

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055856.D
 Acq On : 28 May 2019 16:37
 Operator : JC/SP
 Sample : VN0528MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:53:31 AM

Quant Time: May 29 05:58:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	364235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	523767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	186643	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	167263	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	627120	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	203539	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44681	18.227	ug/l	99
3) Chloromethane	2.06	50	61546	17.920	ug/l	99
4) Vinyl Chloride	2.18	62	68611	18.729	ug/l	98
5) Bromomethane	2.54	94	48360m	21.101	ug/l	
6) Chloroethane	2.69	64	42943	19.470	ug/l	100
7) Trichlorofluoromethane	3.01	101	93436	19.455	ug/l	99
8) Diethyl Ether	3.40	74	41446	19.254	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58170	19.403	ug/l	99
10) Methyl Iodide	3.94	142	90826	20.722	ug/l	99
11) Tert butyl alcohol	4.81	59	76683	106.696	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	59252	19.128	ug/l	98
13) Acrolein	3.60	56	42087	81.782	ug/l	97
14) Allyl chloride	4.31	41	99469	18.731	ug/l	98
15) Acrylonitrile	4.99	53	165946	100.553	ug/l	99
16) Acetone	3.82	43	138610	83.829	ug/l	97
17) Carbon Disulfide	4.04	76	147570	16.767	ug/l	99
18) Methyl Acetate	4.33	43	74346	21.394	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	202350	19.586	ug/l	99
20) Methylene Chloride	4.54	84	69727	19.472	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	62960	18.918	ug/l	99
22) Diisopropyl ether	5.96	45	200384	19.401	ug/l	98
23) Vinyl Acetate	5.90	43	851178	96.118	ug/l	100
24) 1,1-Dichloroethane	5.84	63	117173	19.485	ug/l	98
25) 2-Butanone	6.84	43	219117	94.888	ug/l	100
26) 2,2-Dichloropropane	6.82	77	84737	16.282	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76730	19.762	ug/l	97
28) Bromochloromethane	7.19	49	57821	20.195	ug/l	96
29) Tetrahydrofuran	7.22	42	148801	101.754	ug/l	99
30) Chloroform	7.37	83	119456	19.918	ug/l	98
31) Cyclohexane	7.65	56	106427	18.850	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	104288	19.487	ug/l	99
36) 1,1-Dichloropropene	7.79	75	85490	18.730	ug/l	99
37) Ethyl Acetate	6.93	43	90322	20.474	ug/l	97
38) Carbon Tetrachloride	7.77	117	90053	18.941	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105493	18.664	ug/l	99
40) Benzene	8.04	78	274538	19.957	ug/l	99
41) Methacrylonitrile	7.17	41	45053	20.215	ug/l	96
42) 1,2-Dichloroethane	8.12	62	90974	20.239	ug/l	99
43) Isopropyl Acetate	8.17	43	141500	19.090	ug/l #	93
44) Trichloroethene	8.84	130	78023	20.345	ug/l	95
45) 1,2-Dichloropropane	9.12	63	71051	19.824	ug/l	99
46) Dibromomethane	9.21	93	48198	20.505	ug/l	97
47) Bromodichloromethane	9.40	83	91395	18.963	ug/l	100
48) Methyl methacrylate	9.20	41	69750	20.418	ug/l	99
49) 1,4-Dioxane	9.20	88	28980	408.235	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	443308	101.268	ug/l	100
52) Toluene	10.16	92	173930	20.104	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	93165	18.109	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	105922	18.585	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70976	20.478	ug/l	98
56) Ethyl methacrylate	10.43	69	104744	19.554	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113997	20.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	185260	90.501	ug/l	100
59) 2-Hexanone	10.75	43	299710	96.509	ug/l	100
60) Dibromochloromethane	10.90	129	76523	18.952	ug/l	99
61) 1,2-Dibromoethane	11.01	107	72216	20.088	ug/l	99
64) Tetrachloroethene	10.63	164	79715	20.849	ug/l	97
65) Chlorobenzene	11.43	112	187524	20.664	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71756	19.825	ug/l	100
67) Ethyl Benzene	11.51	91	323939	19.905	ug/l	98
68) m/p-Xylenes	11.62	106	248045	40.317	ug/l	98
69) o-Xylene	11.95	106	122807	20.119	ug/l	98
70) Styrene	11.96	104	196900	19.920	ug/l	99
71) Bromoform	12.13	173	56861	18.418	ug/l #	99
73) Isopropylbenzene	12.25	105	323162	22.657	ug/l	100
74) N-amyl acetate	12.07	43	112957	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	95763	22.293	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	79331m	22.739	ug/l	
77) Bromobenzene	12.53	156	85298	21.219	ug/l	97
78) n-propylbenzene	12.59	91	330796	20.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	205111	21.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	260095	21.605	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24492	17.493	ug/l	93
82) 4-Chlorotoluene	12.77	91	191678	19.915	ug/l	100
83) tert-Butylbenzene	12.99	119	234147	22.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256071	21.400	ug/l	99
85) sec-Butylbenzene	13.17	105	292257	21.709	ug/l	99
86) p-Isopropyltoluene	13.29	119	263073	20.108	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	128646	20.210	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	121079	20.007	ug/l	100
89) n-Butylbenzene	13.61	91	184867	18.442	ug/l	99
90) Hexachloroethane	13.87	117	47258	18.978	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	130081	20.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15626	18.720	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56885	18.073	ug/l	99
94) Hexachlorobutadiene	15.01	225	48769	20.752	ug/l	98
95) Naphthalene	15.13	128	158757	18.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	64281	19.148	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

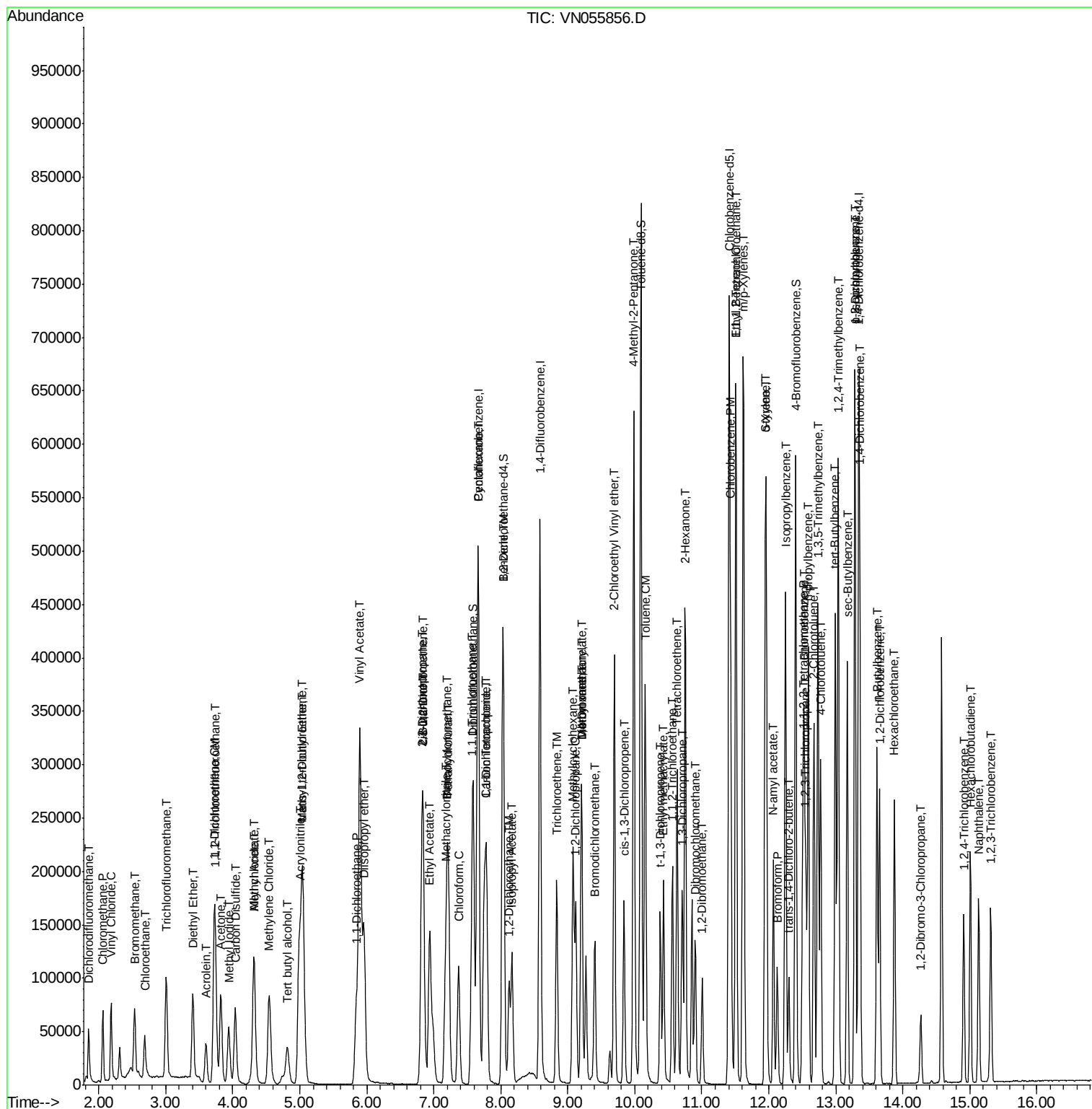
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Data File : VN055856.D
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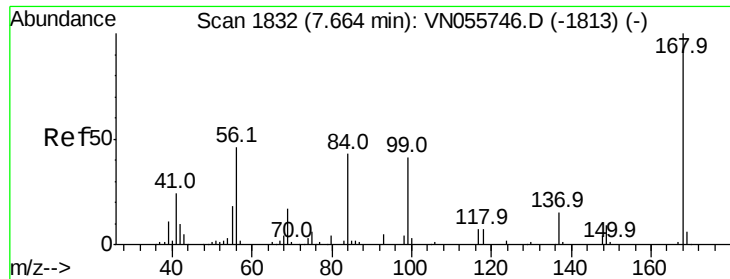
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion:168 Resp: 364235

Ion Ratio Lower Upper

168 100

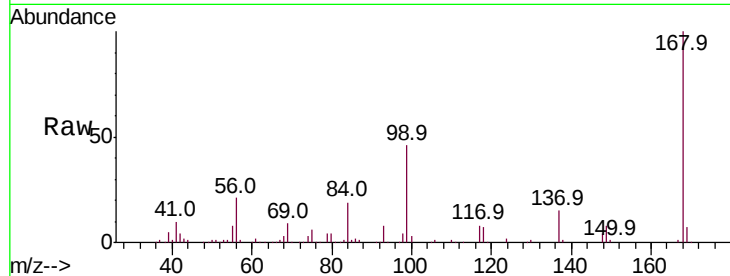
99 45.6 37.2 55.8

Manual Integrations

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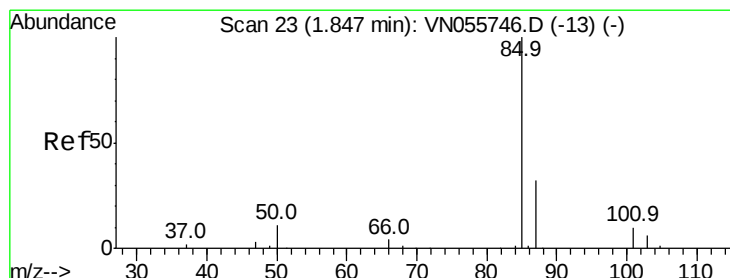
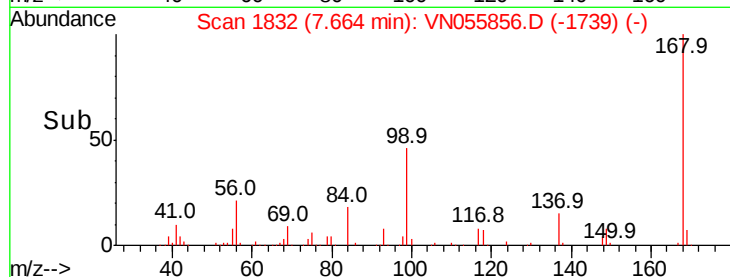
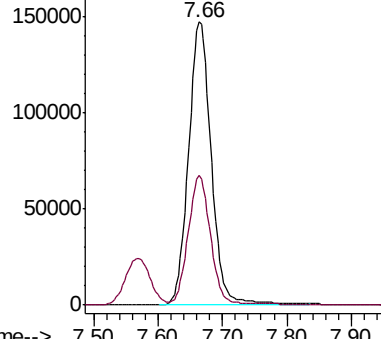
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5/29/2019 9:53:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.227 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055856.D

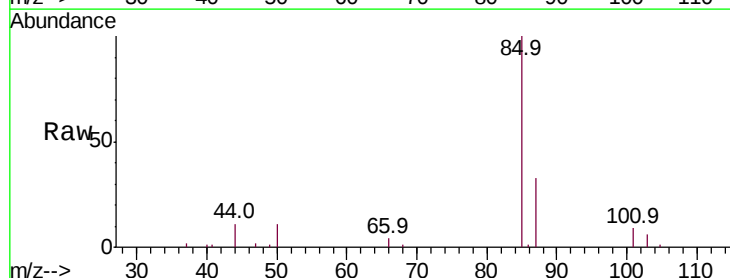
Acq: 28 May 2019 16:37

Tgt Ion: 85 Resp: 44681

Ion Ratio Lower Upper

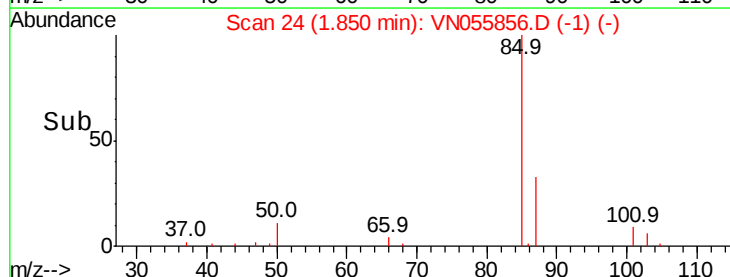
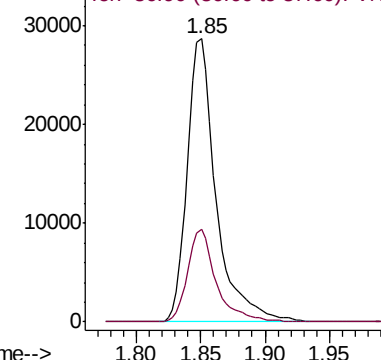
85 100

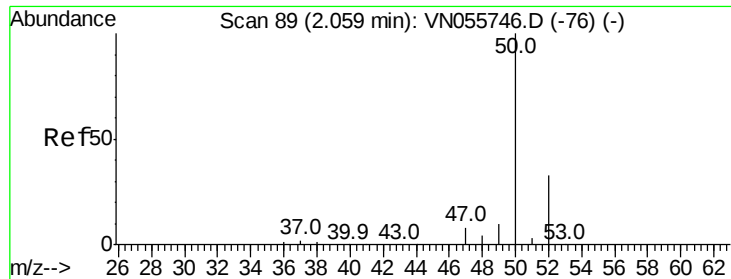
87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





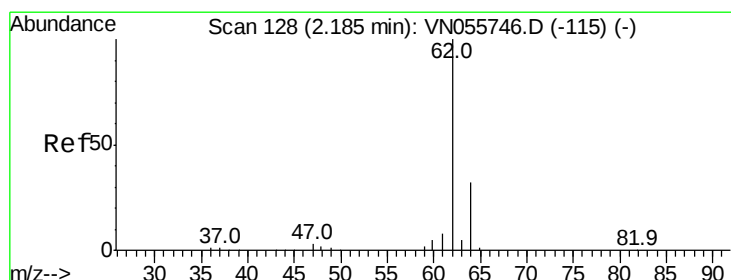
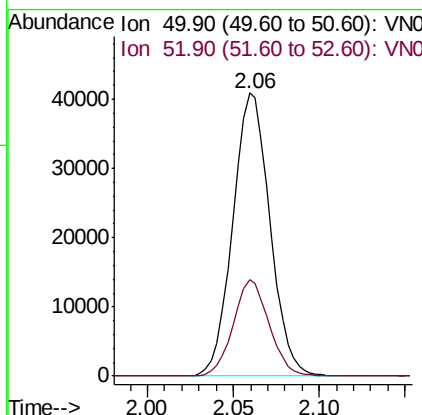
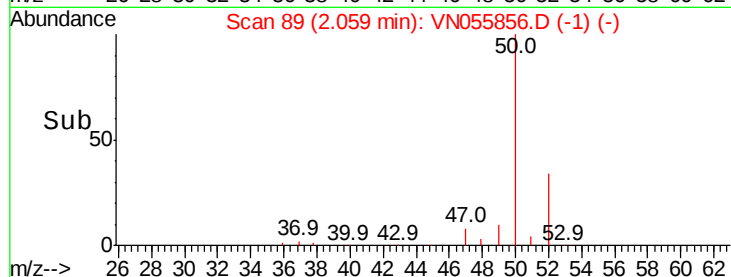
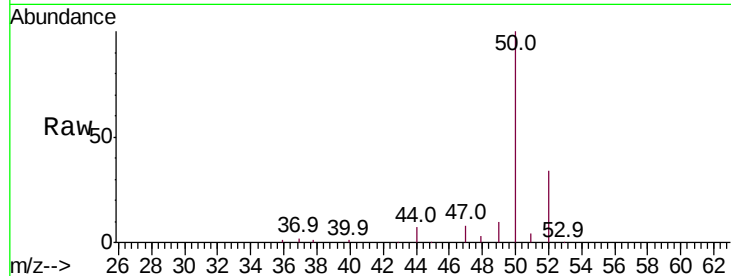
#3
Chloromethane
Concen: 17.920 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 50 Resp: 61546
Ion Ratio Lower Upper
50 100
52 34.0 26.6 40.0

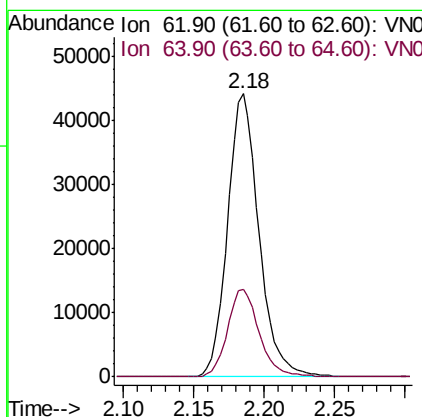
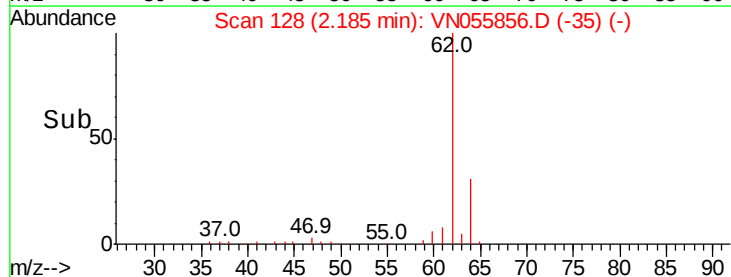
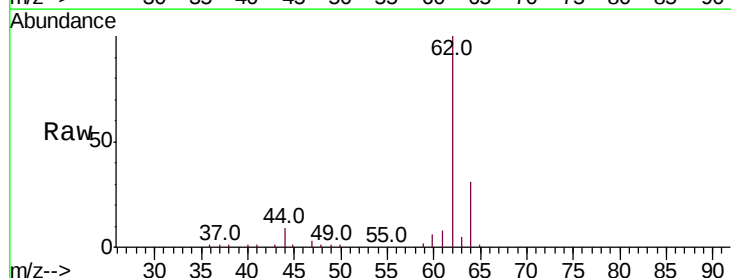
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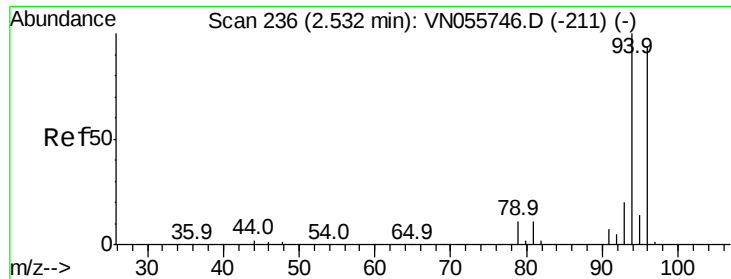
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#4
Vinyl Chloride
Concen: 18.729 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 62 Resp: 68611
Ion Ratio Lower Upper
62 100
64 31.0 25.6 38.4





#5

Bromomethane

Concen: 21.101 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 94 Resp: 48360

Ion Ratio Lower Upper

94 100

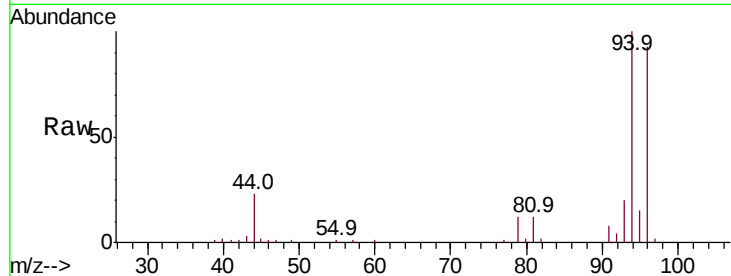
96 93.0 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

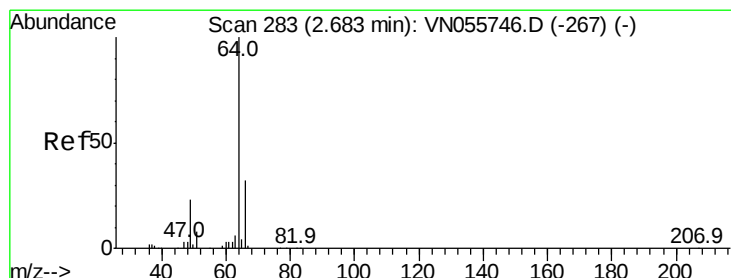
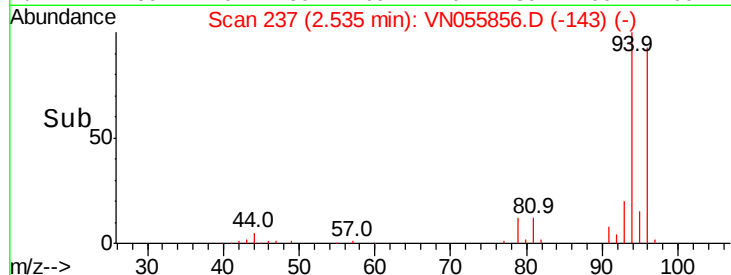
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5000

0

Time-->

2.54



#6

Chloroethane

Concen: 19.470 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055856.D

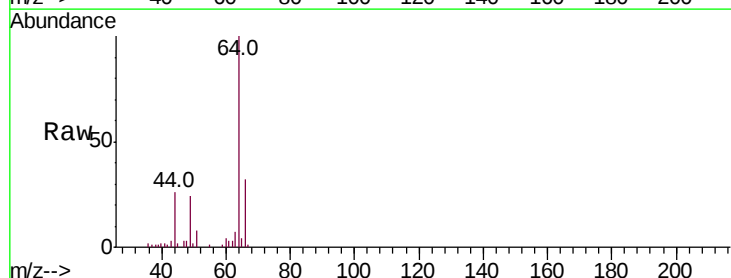
Acq: 28 May 2019 16:37

Tgt Ion: 64 Resp: 42943

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

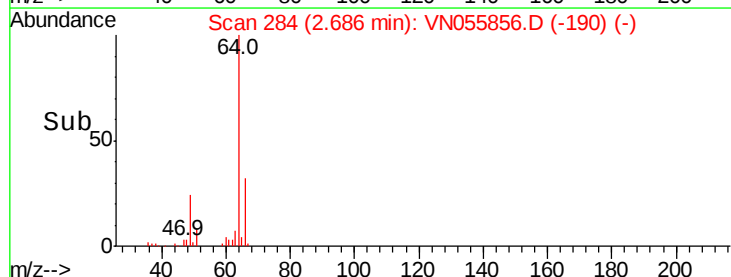
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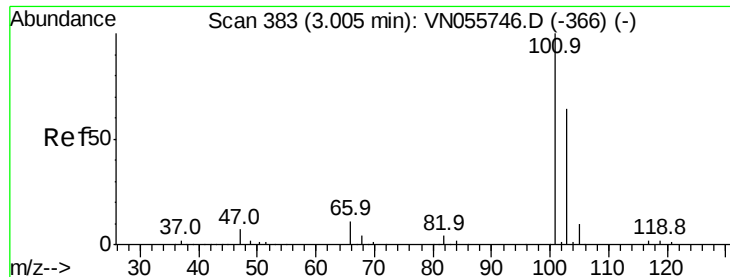
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0

Time-->

2.69





#7

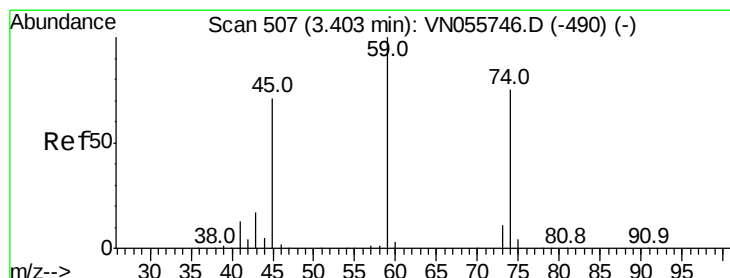
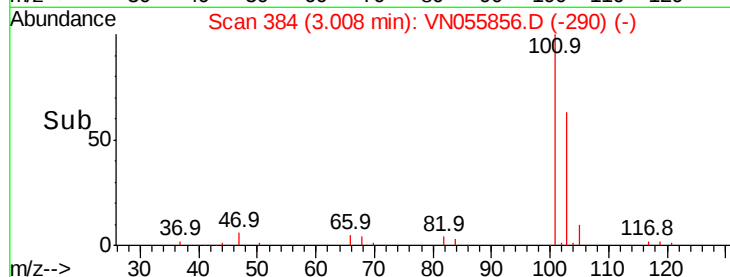
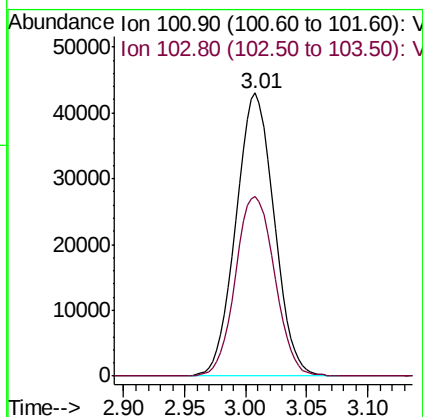
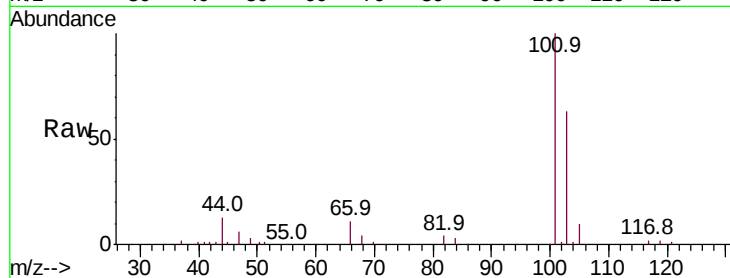
Trichlorofluoromethane
 Concen: 19.455 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

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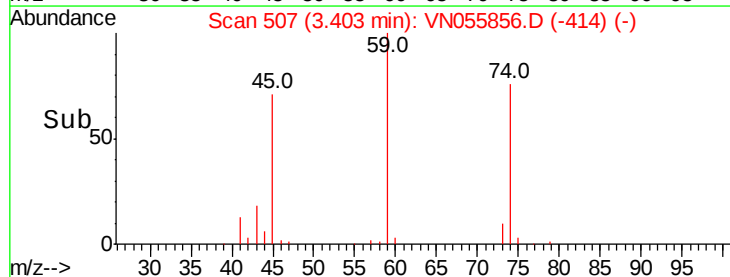
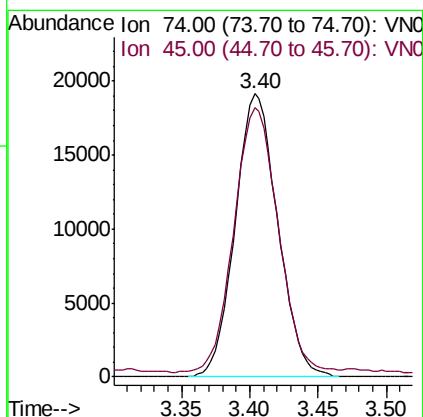
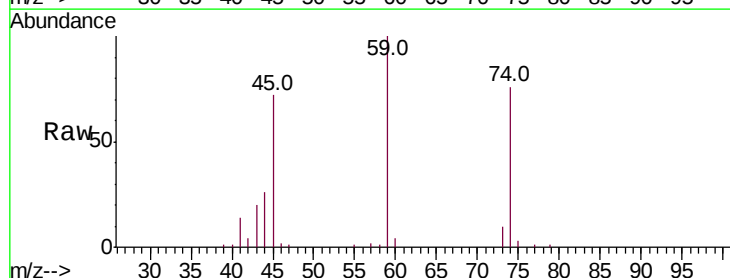
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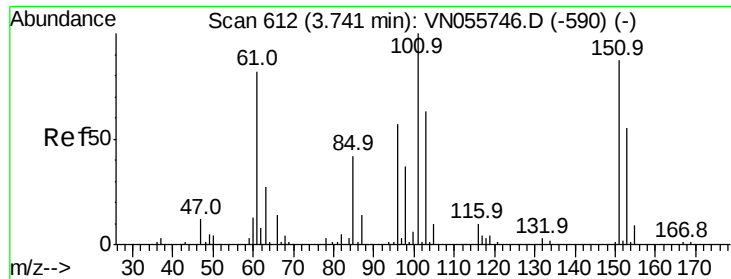


#8

Diethyl Ether
 Concen: 19.254 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.403 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

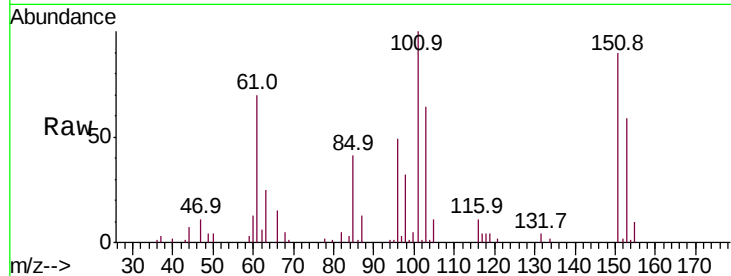
ClientSampleId :

VN0528MBS01

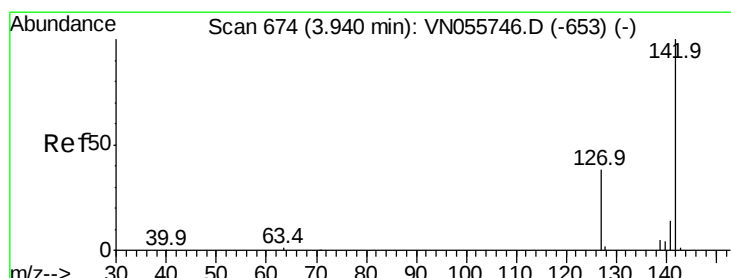
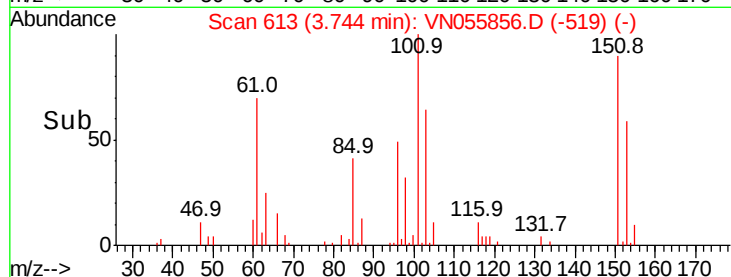
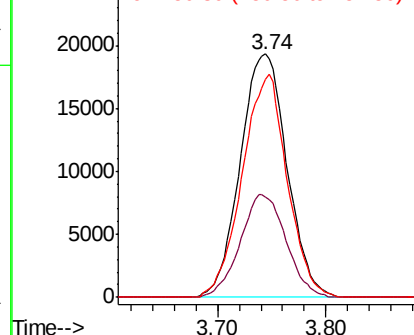
Tot Ion:	101	Resp:	58170
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.2
151	88.0	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.722 ug/l

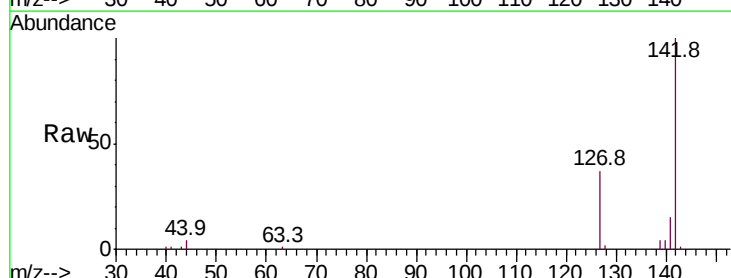
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

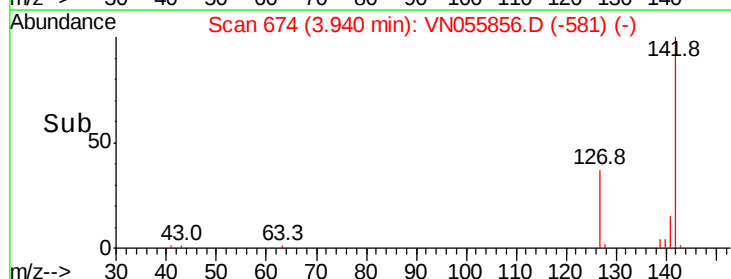
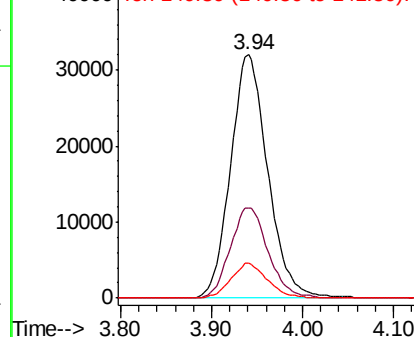
Lab File: VN055856.D

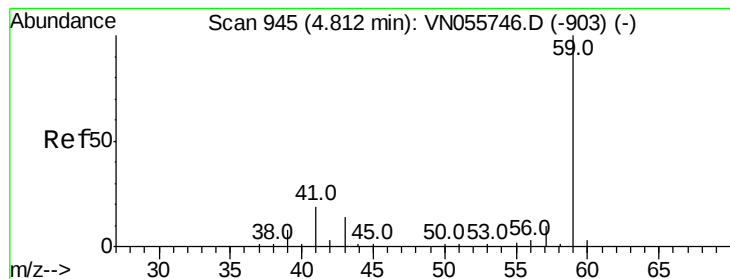
Acq: 28 May 2019 16:37

Tgt Ion:	142	Resp:	90826
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.4
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

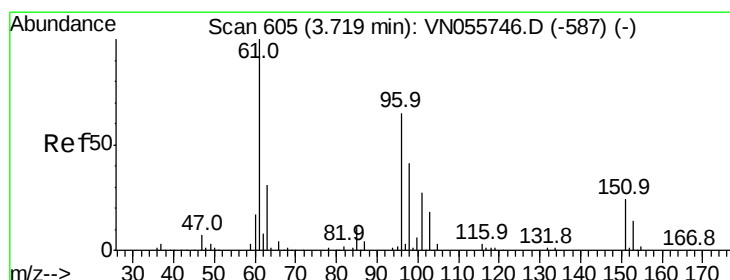
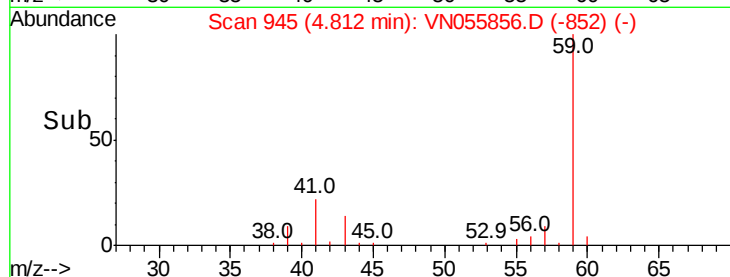
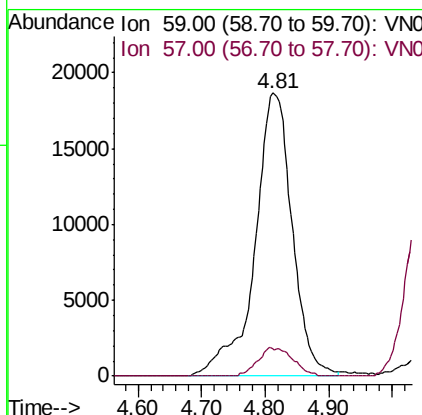
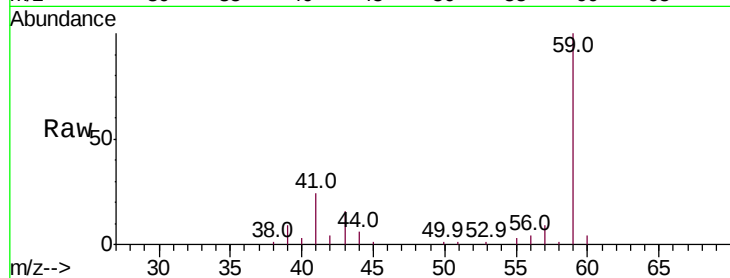
Tert butyl alcohol
 Concen: 106.696 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	7.8	11.6#

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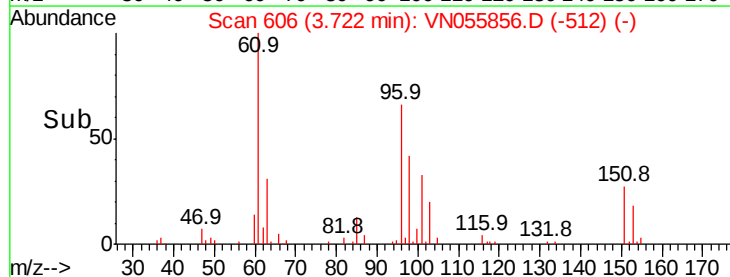
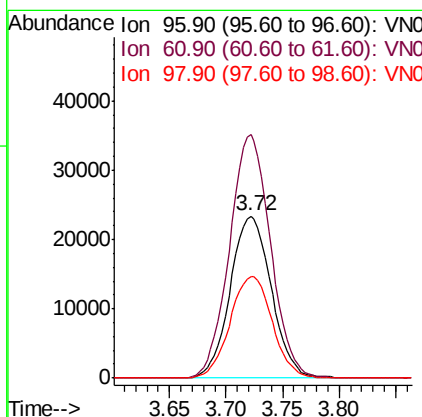
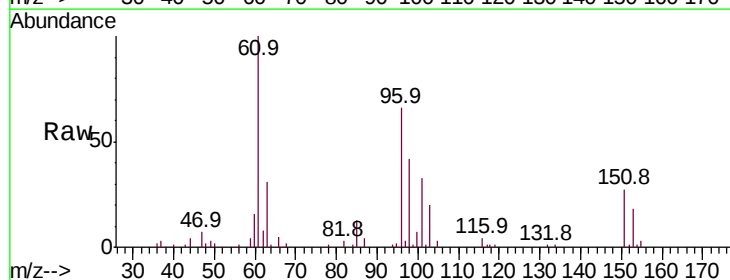
MMDadoda
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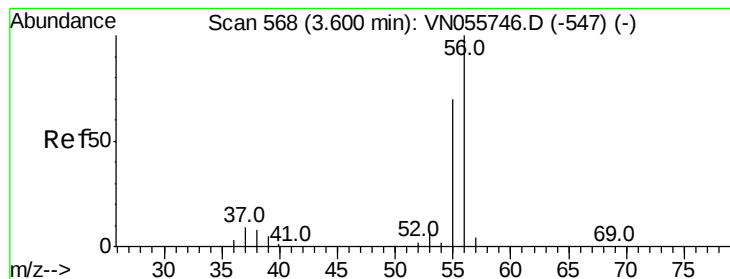


#12

1,1-Dichloroethene
 Concen: 19.128 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	123.2	184.8
98	62.8	50.4	75.6





#13

Acrolein

Concen: 81.782 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 56 Resp: 42087

Ion Ratio Lower Upper

56 100

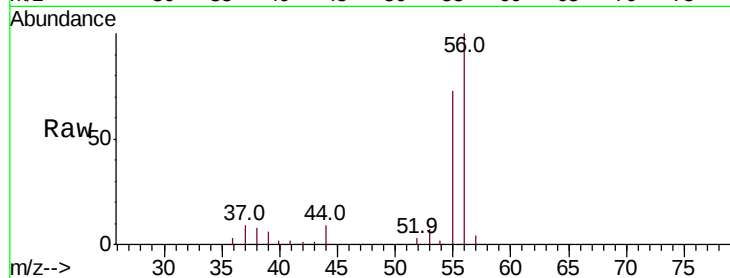
55 71.6 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

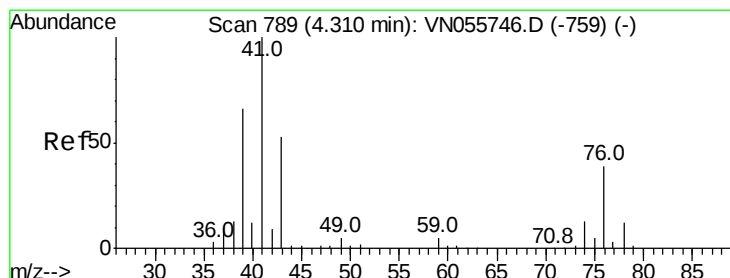
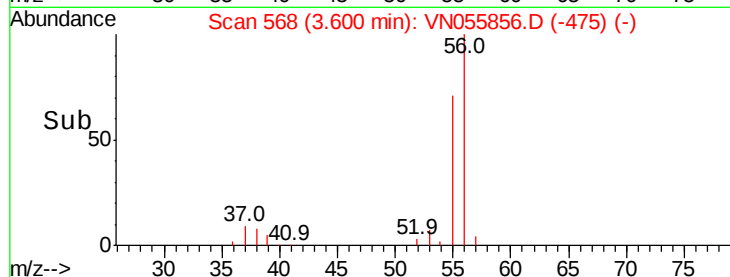
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.731 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

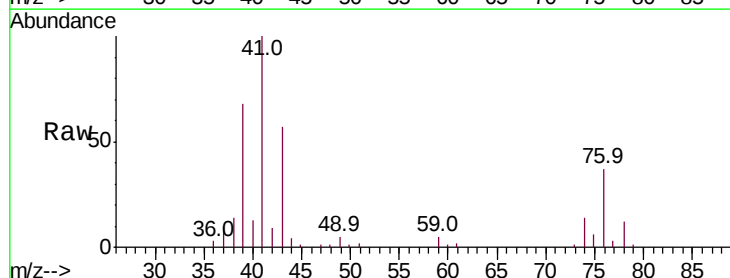
Tgt Ion: 41 Resp: 99469

Ion Ratio Lower Upper

41 100

39 64.0 50.0 75.0

76 33.4 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

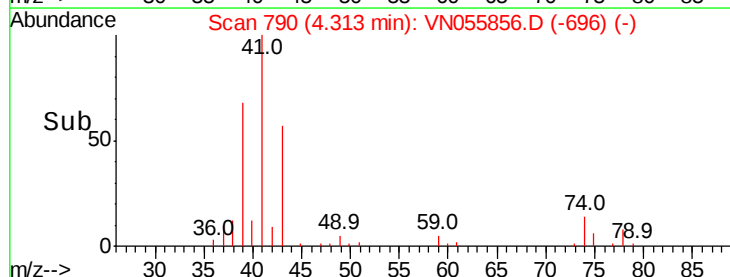
0

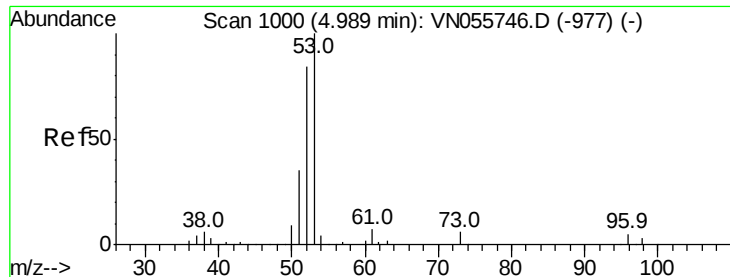
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 100.553 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

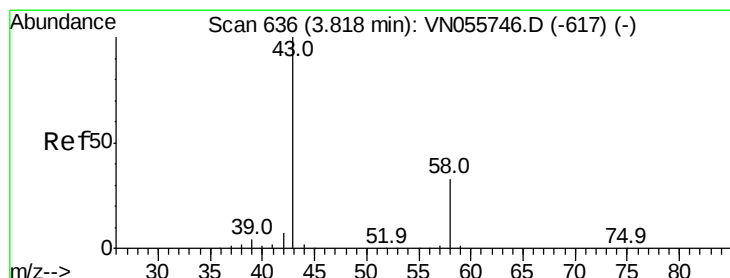
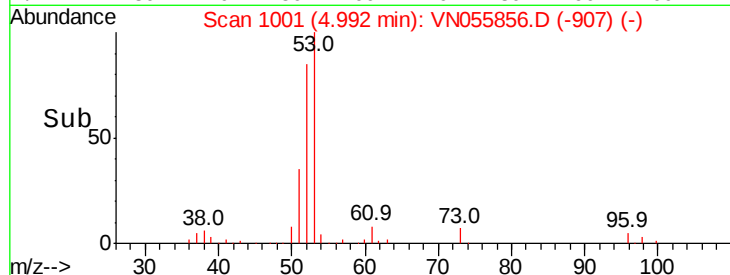
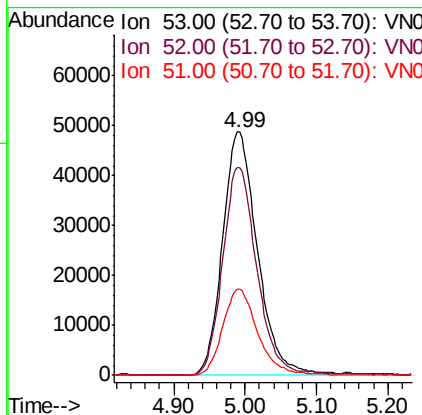
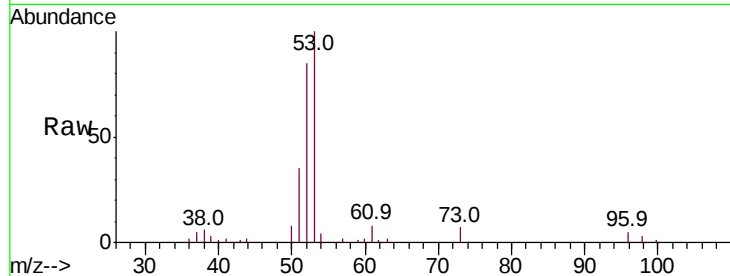
ClientSampleId :

VN0528MBS01

Tot Ion:	53	Resp:	165946
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.8	98.8
51	35.5	28.2	42.4

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#16

Acetone

Concen: 83.829 ug/l

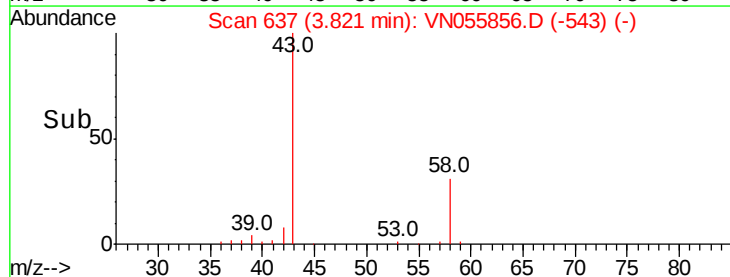
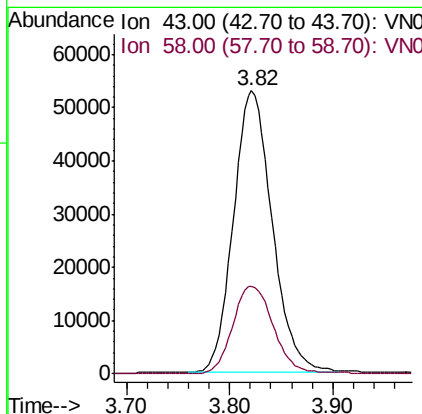
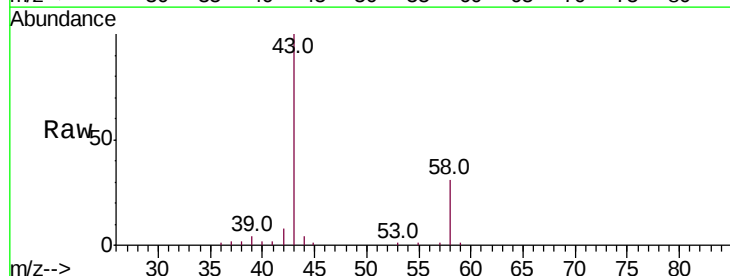
RT: 3.82 min Scan# 637

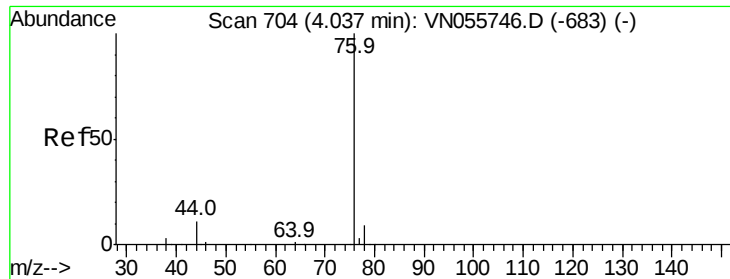
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	43	Resp:	138610
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.6	39.8





#17

Carbon Disulfide

Concen: 16.767 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 76 Resp: 147570

Ion Ratio Lower Upper

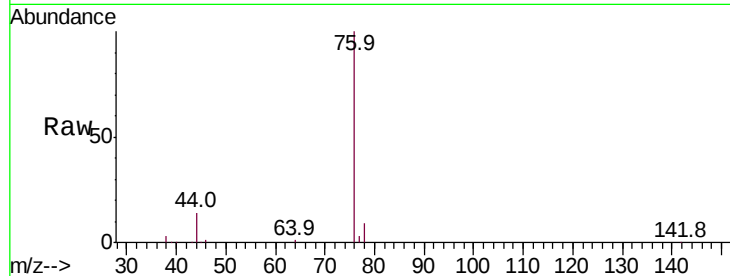
76 100

78 9.0 7.4 11.2

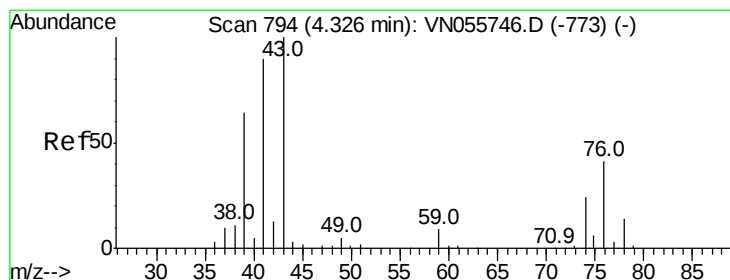
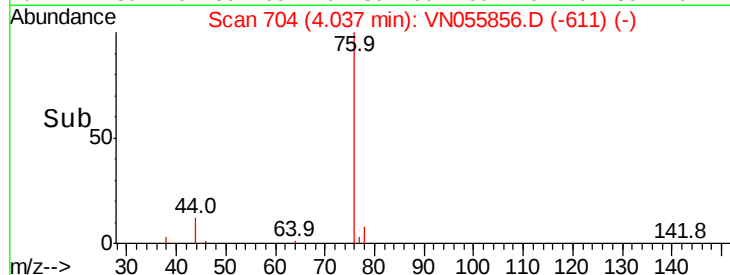
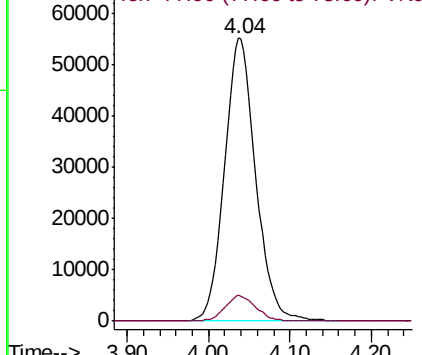
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN055856.D (-611) (-)



#18

Methyl Acetate

Concen: 21.394 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055856.D

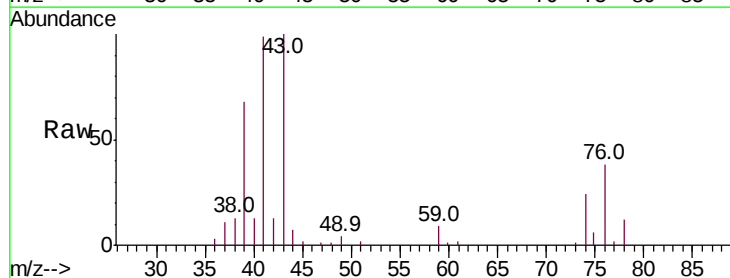
Acq: 28 May 2019 16:37

Tgt Ion: 43 Resp: 74346

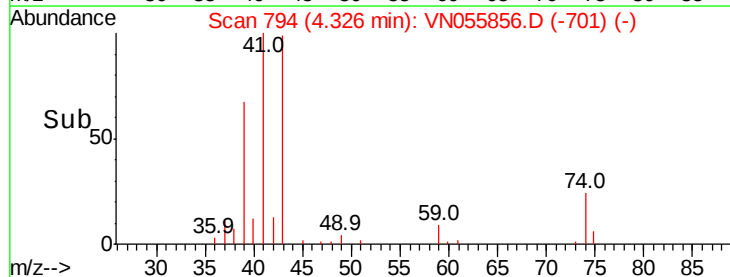
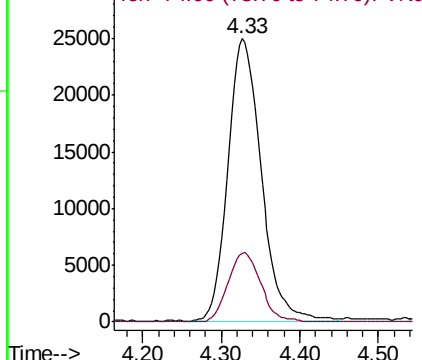
Ion Ratio Lower Upper

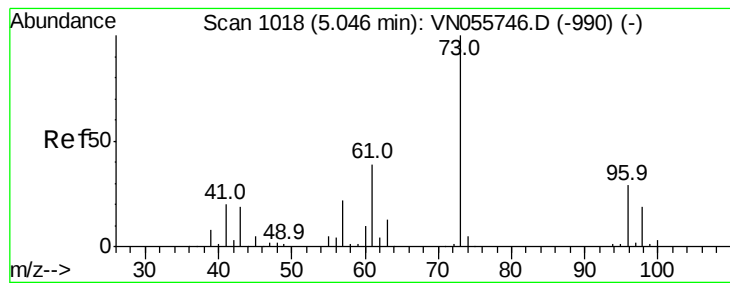
43 100

74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN055856.D (-701) (-)





#19

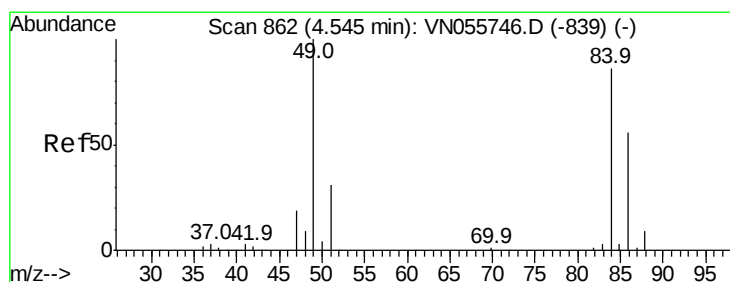
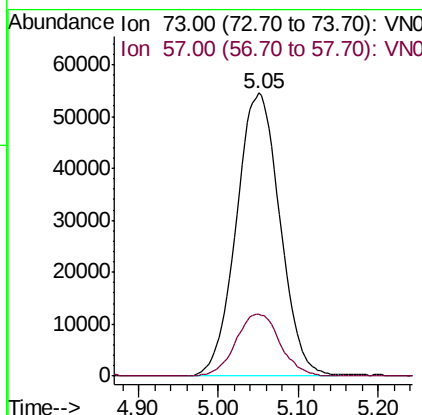
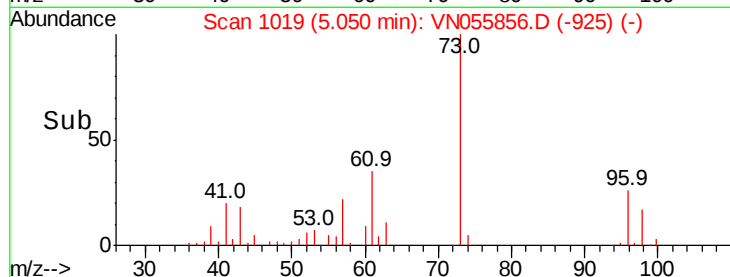
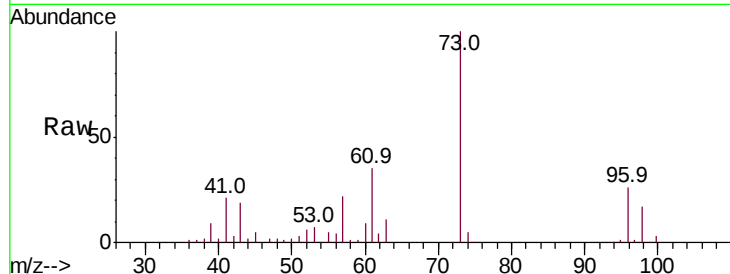
Methyl tert-butyl Ether
 Concen: 19.586 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion: 73 Resp: 202350
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.8 26.8

Manual Integrations
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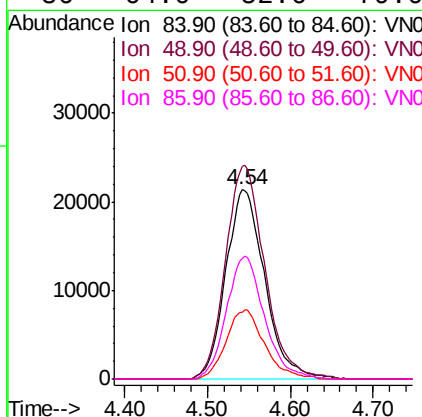
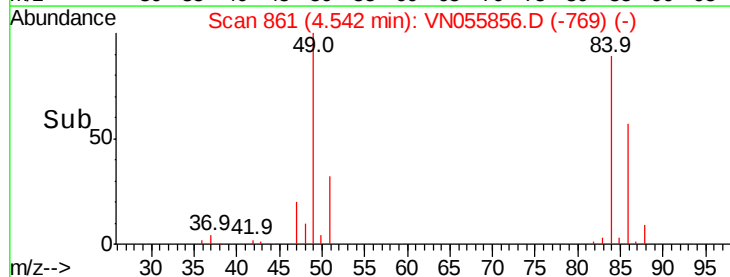
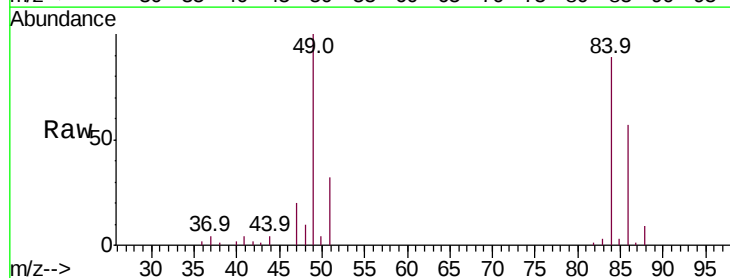
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 5/29/2019 9:53:31 AM

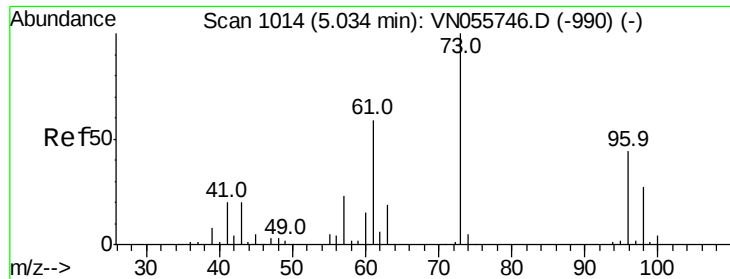


#20

Methylene Chloride
 Concen: 19.472 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 84 Resp: 69727
 Ion Ratio Lower Upper
 84 100
 49 112.2 93.5 140.3
 51 35.4 28.6 43.0
 86 64.0 52.6 79.0





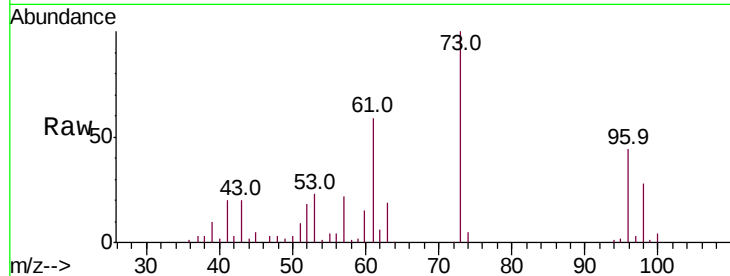
#21
trans-1,2-Dichloroethene
Concen: 18.918 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

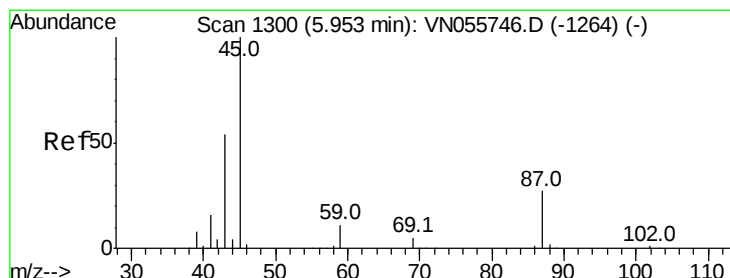
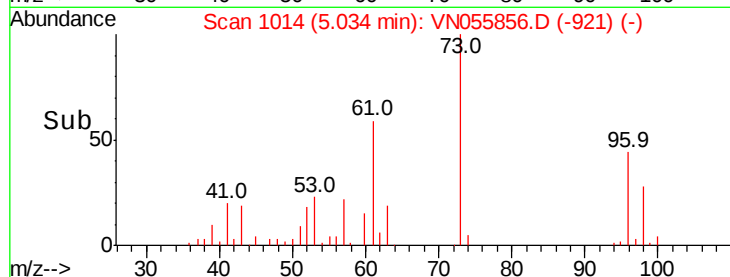
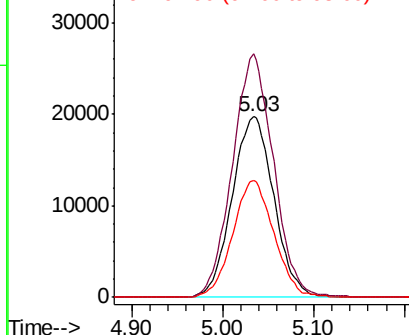
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	107.8	161.8
98	64.9	49.8	74.8

Manual Integrations
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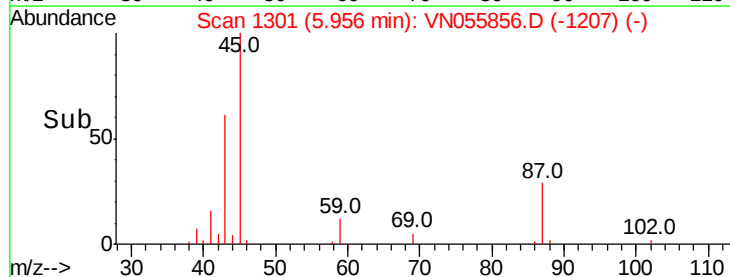
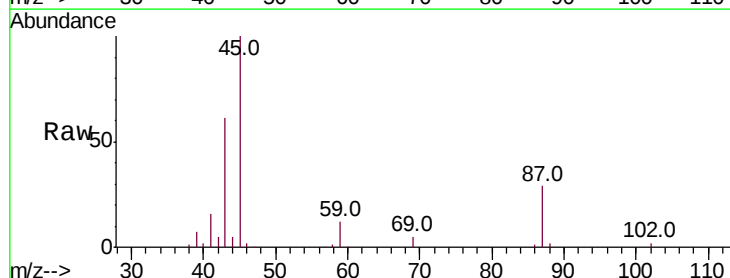
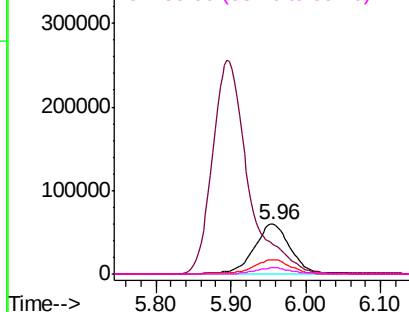
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

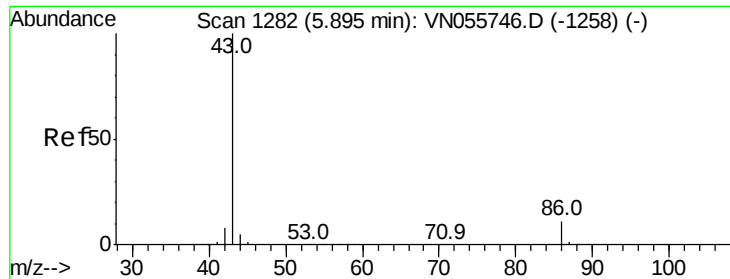


#22
Diisopropyl ether
Concen: 19.401 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.0	67.6
87	29.0	22.2	33.4
59	11.9	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 96.118 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 43 Resp: 851178

Ion Ratio Lower Upper

43 100

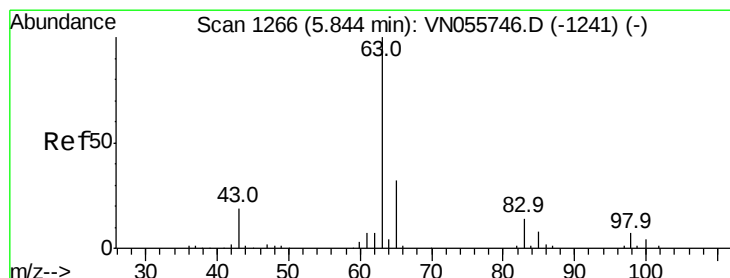
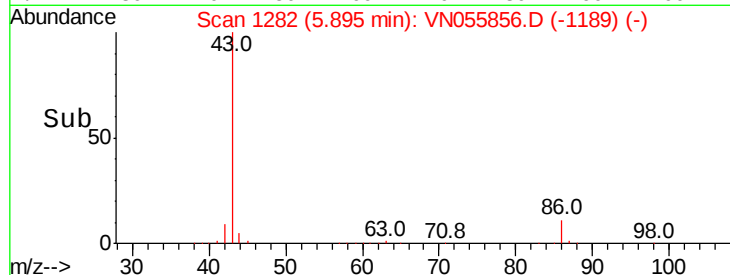
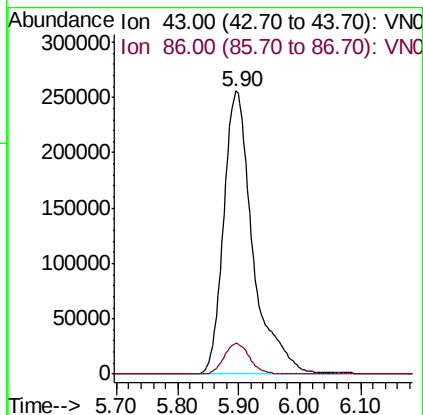
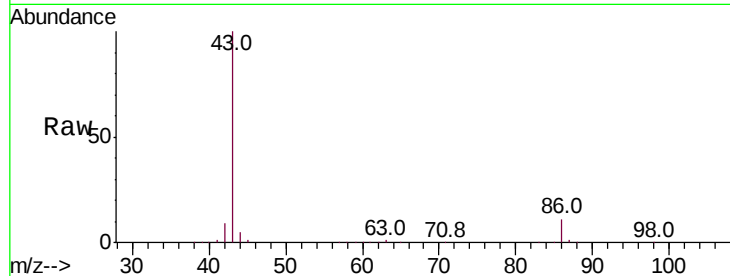
86 10.8 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

5/29/2019 9:53:31 AM



#24

1,1-Dichloroethane

Concen: 19.485 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

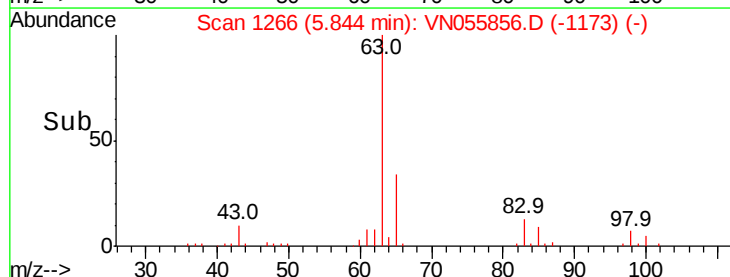
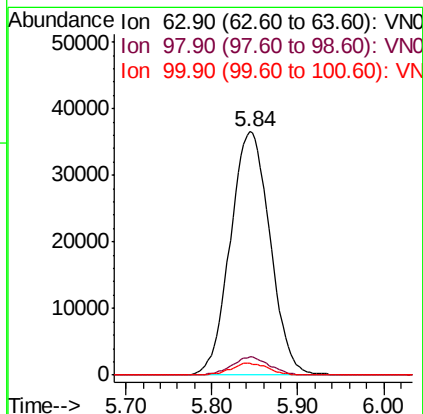
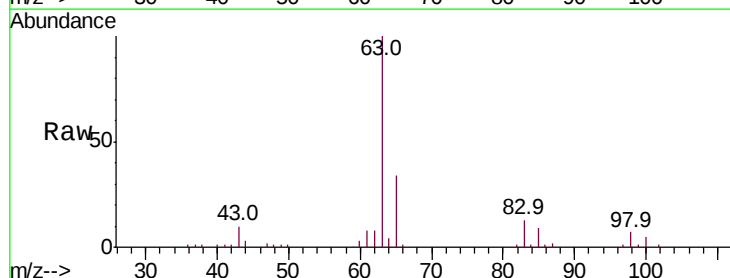
Tgt Ion: 63 Resp: 117173

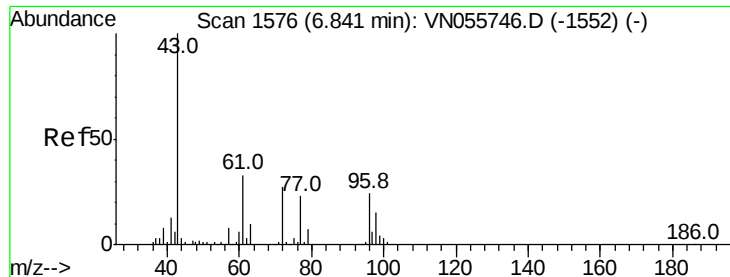
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.8 2.2 6.6





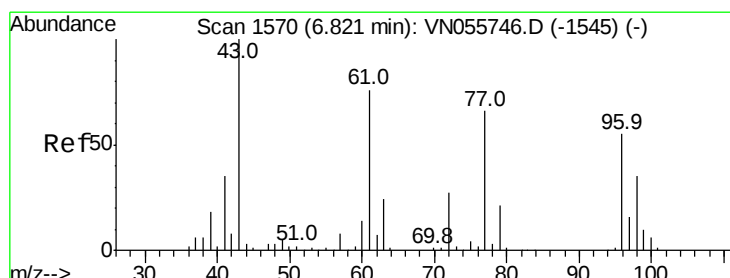
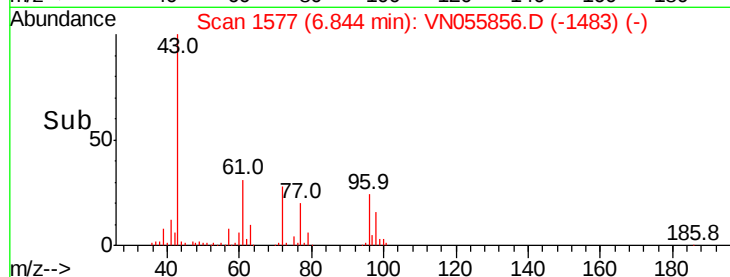
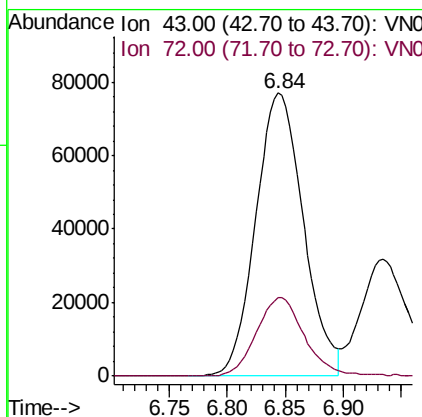
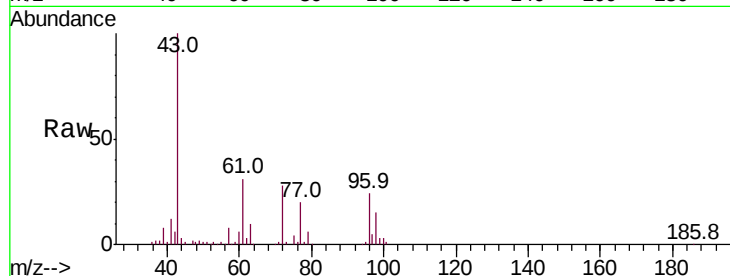
#25
2-Butanone
Concen: 94.888 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 43 Resp: 219117
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9

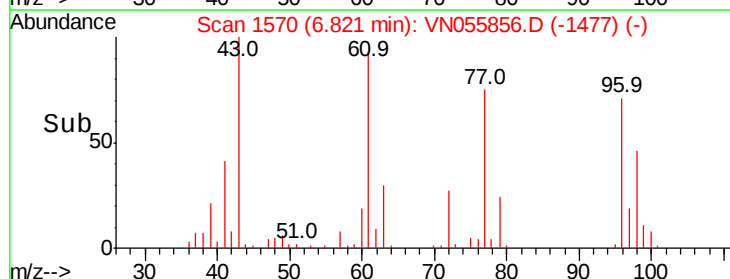
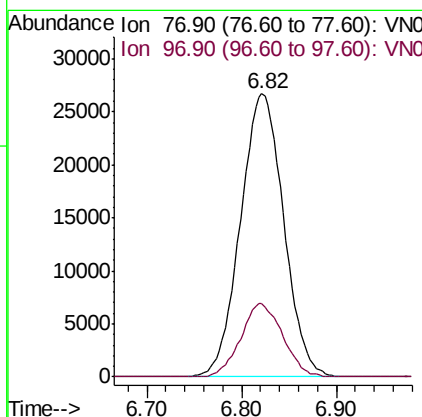
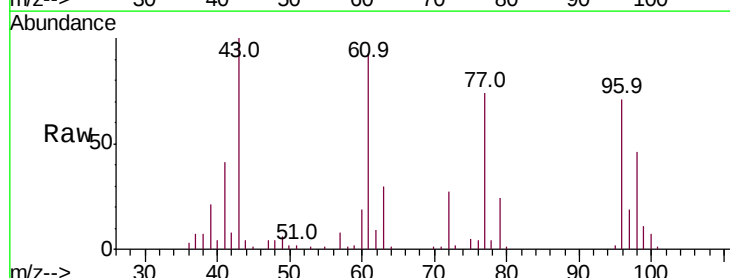
Manual Integrations
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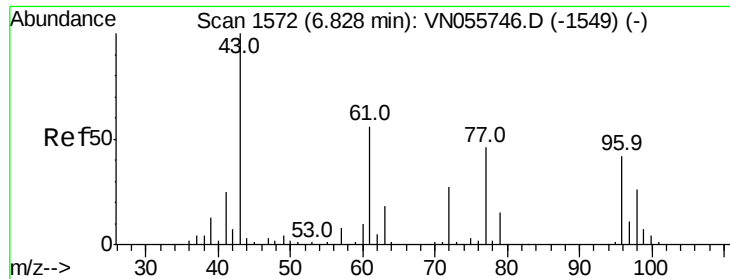
MMDadoda
5/29/2019 9:53:31 AM



#26
2,2-Dichloropropane
Concen: 16.282 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 77 Resp: 84737
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





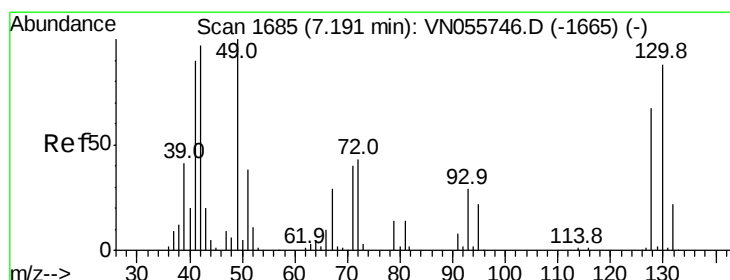
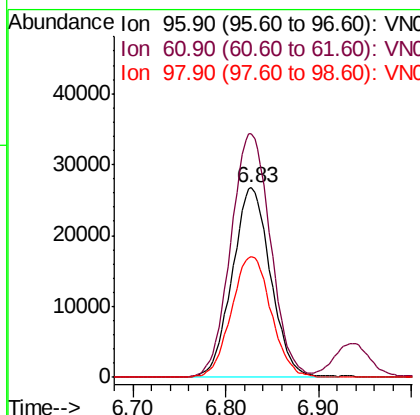
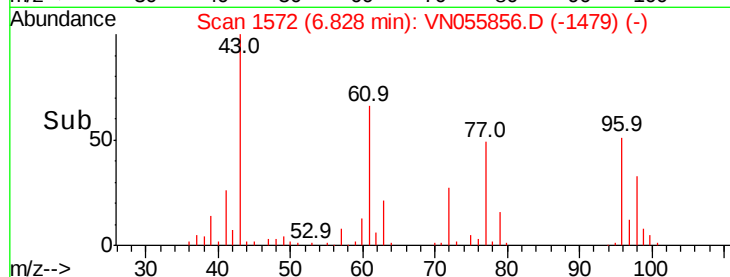
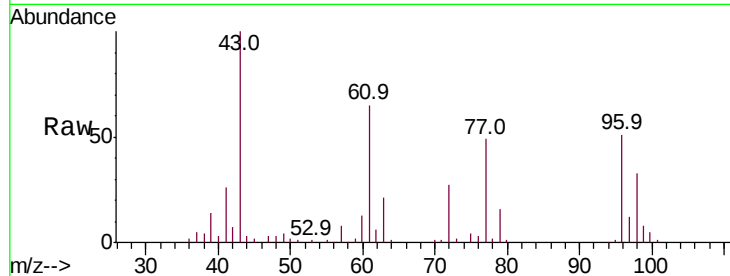
#27
 cis-1,2-Dichloroethene
 Concen: 19.762 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	275.8
98	65.9	0.0	128.4

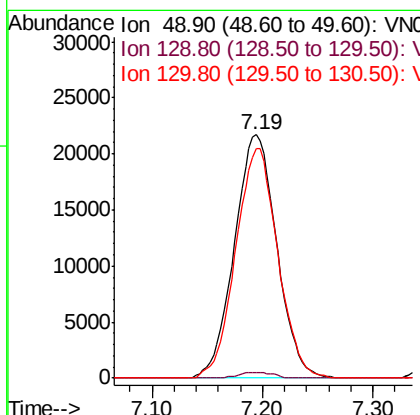
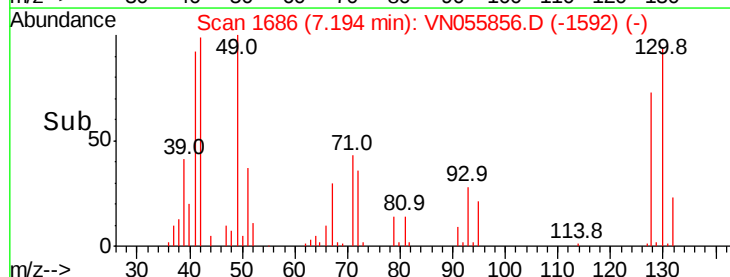
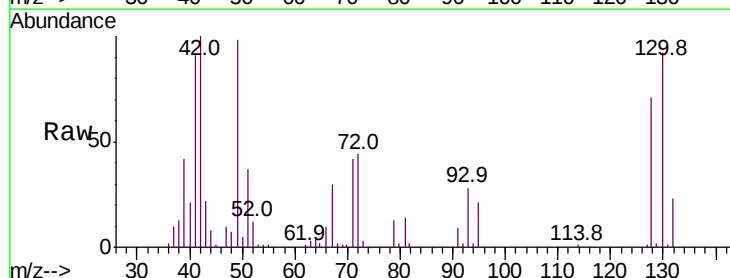
Manual Integrations
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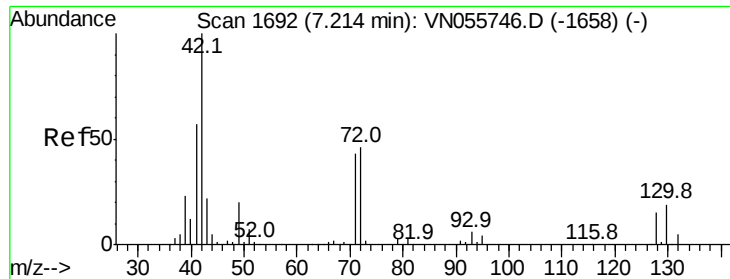
MMDadoda
 5/29/2019 9:53:31 AM



#28
 Bromochloromethane
 Concen: 20.195 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	93.2	71.2	106.8





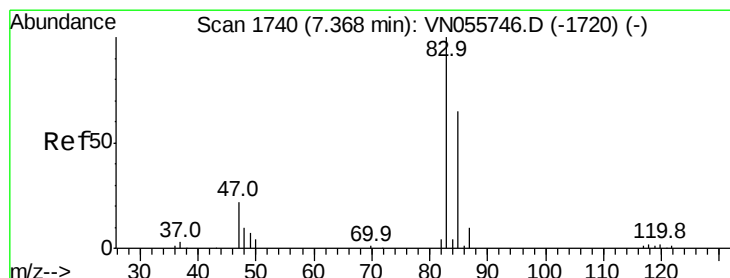
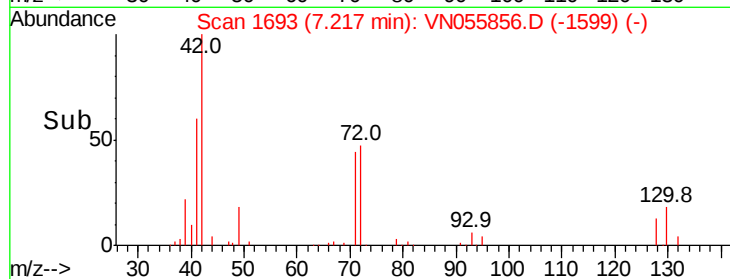
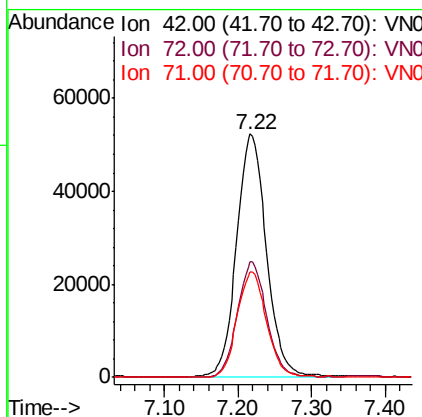
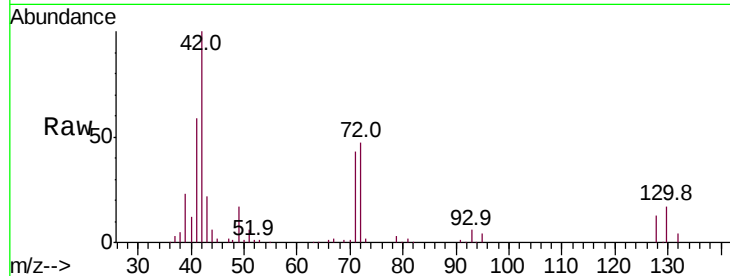
#29
Tetrahydrofuran
Concen: 101.754 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	42.1	34.0	51.0

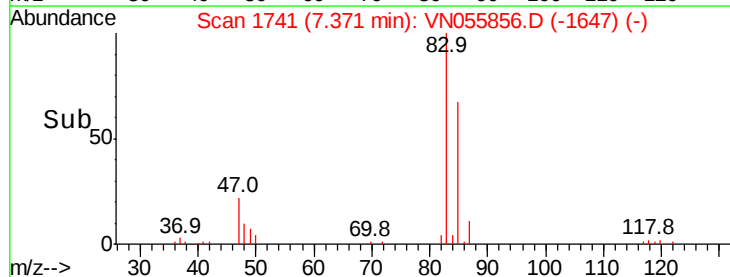
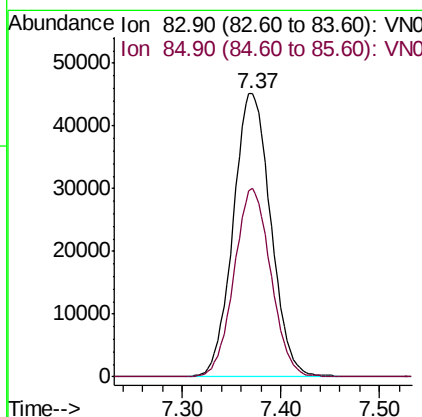
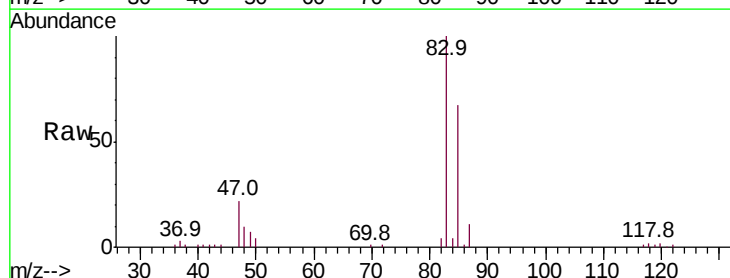
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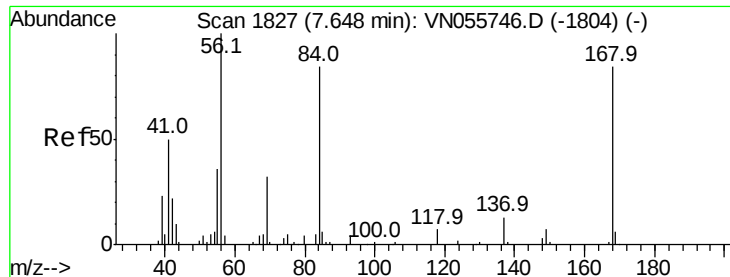
MMDadoda
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#30
Chloroform
Concen: 19.918 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.8





#31

Cyclohexane

Concen: 18.850 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

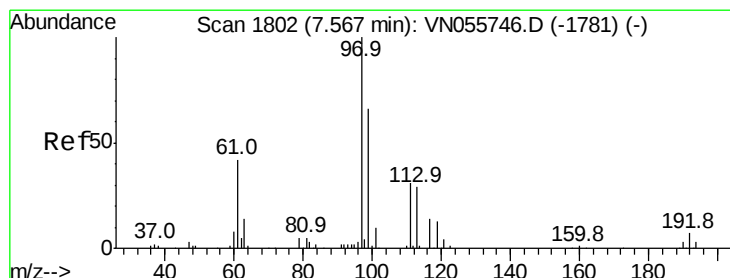
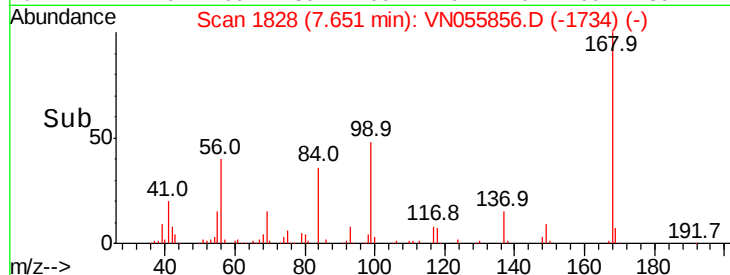
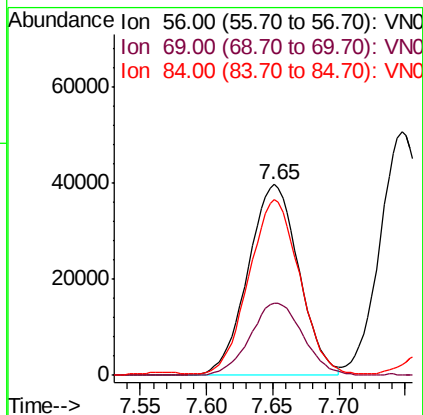
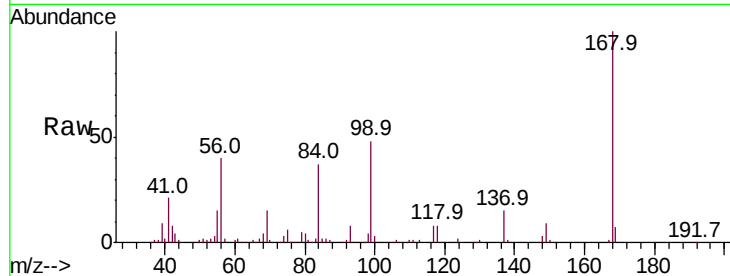
ClientSampleId :

VN0528MBS01

Tot Ion:	56	Resp:	106427
Ion Ratio	Lower	Upper	
56	100		
69	37.9	25.6	38.4
84	91.2	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.487 ug/l

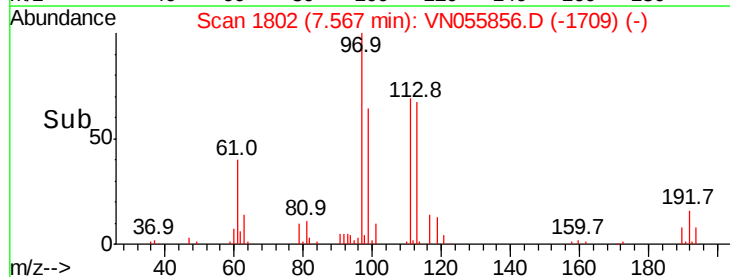
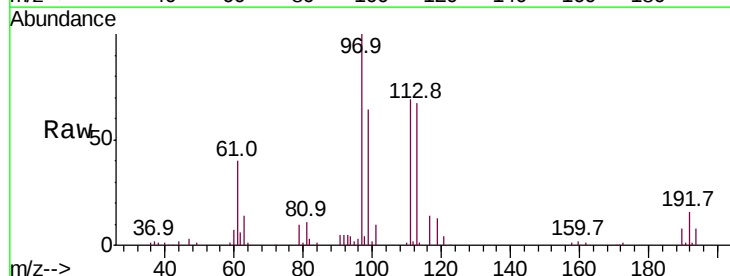
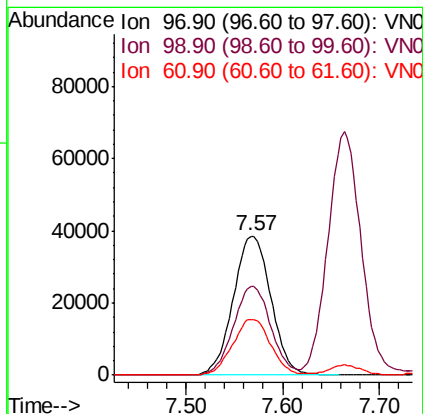
RT: 7.57 min Scan# 1802

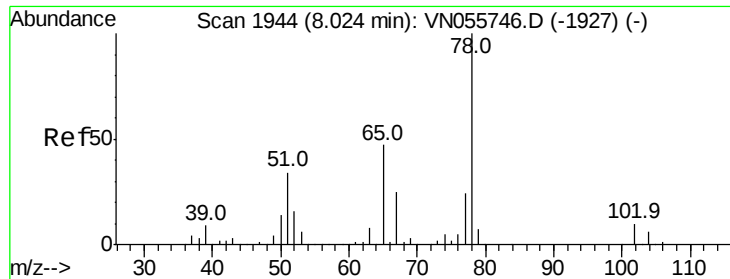
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	97	Resp:	104288
Ion Ratio	Lower	Upper	
97	100		
99	63.6	52.0	78.0
61	40.7	32.9	49.3





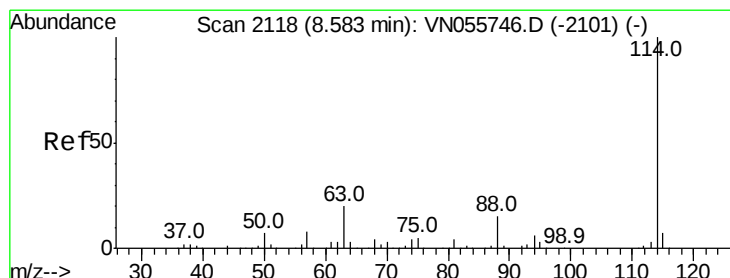
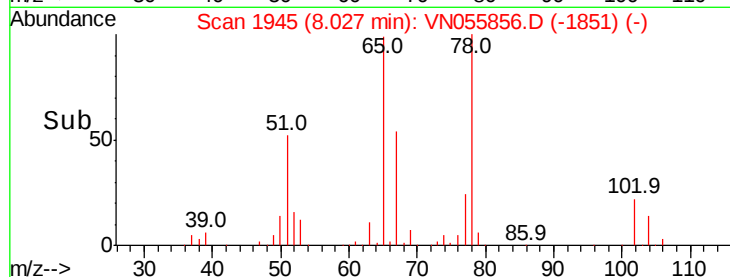
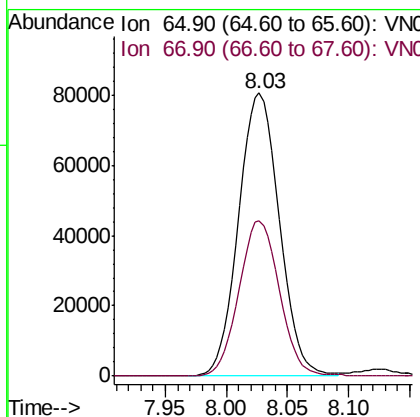
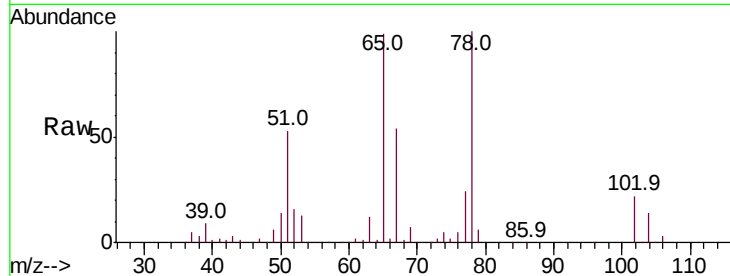
#33
 1,2-Dichloroethane-d4
 Concen: 49.619 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.2	

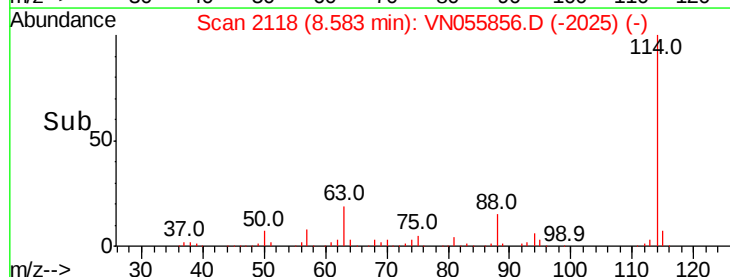
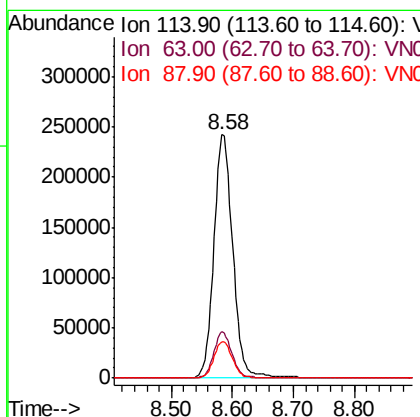
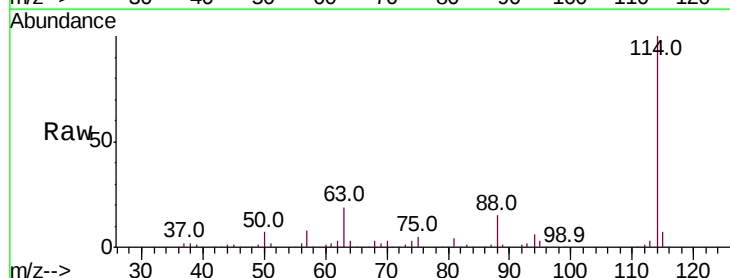
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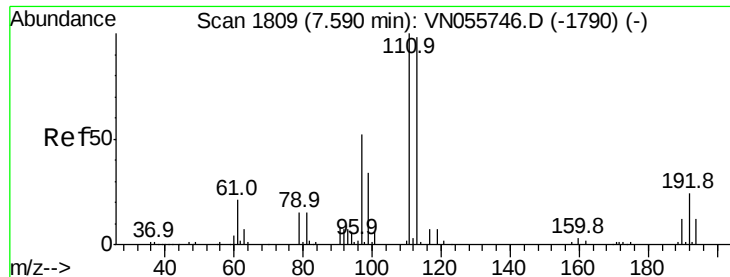
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 5/29/2019 9:53:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.2	
88	15.0	0.0	31.0	





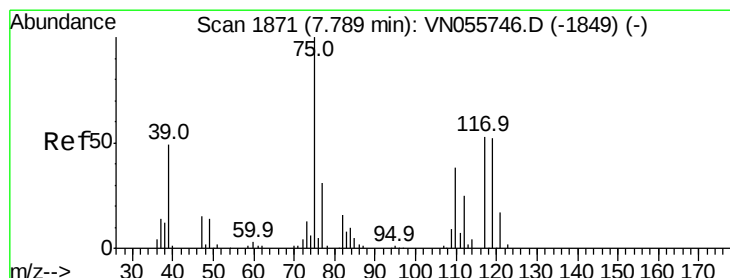
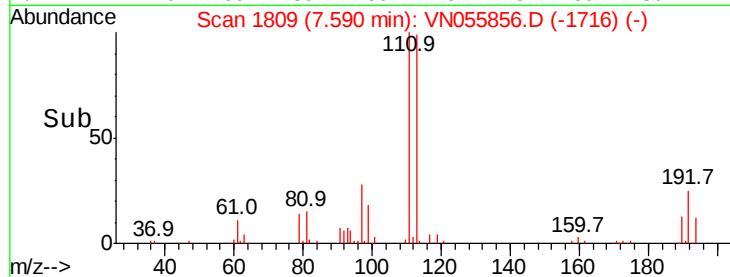
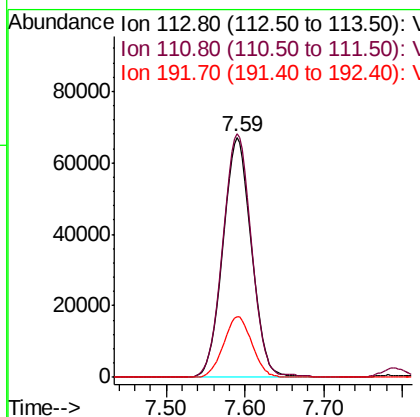
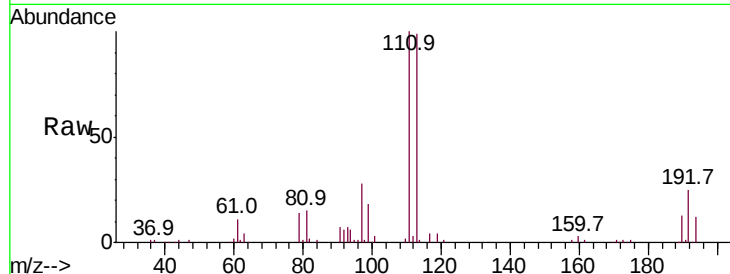
#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.9	122.9	
192	25.2	19.5	29.3	

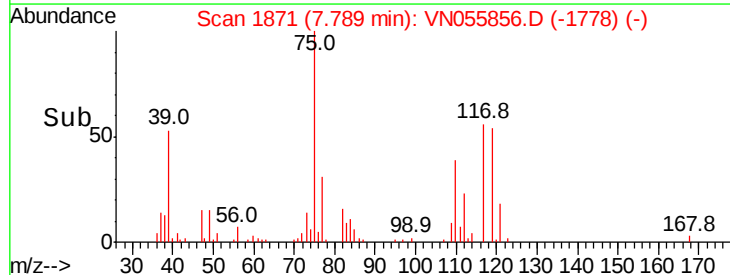
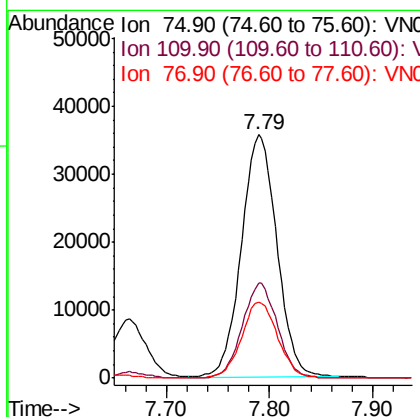
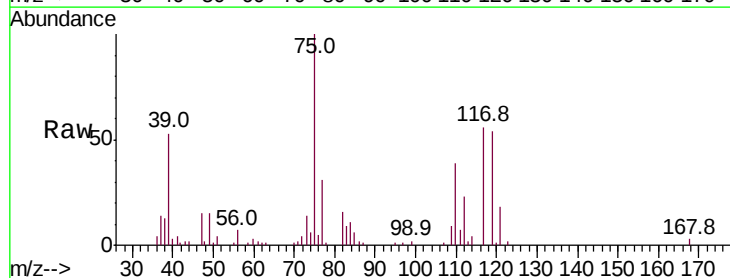
Manual Integrations
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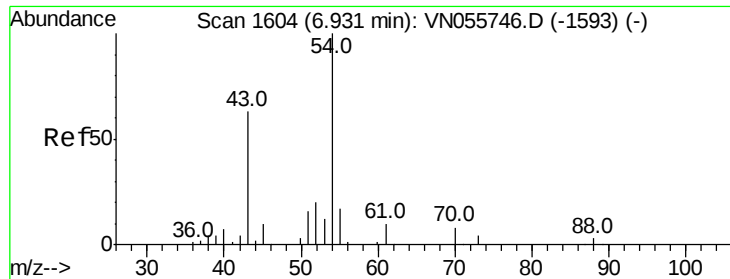
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 5/29/2019 9:53:31 AM



#36
 1,1-Dichloropropene
 Concen: 18.730 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.5	19.0	57.0	
77	31.9	25.1	37.7	





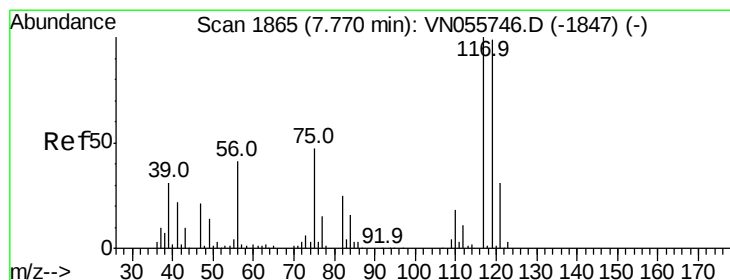
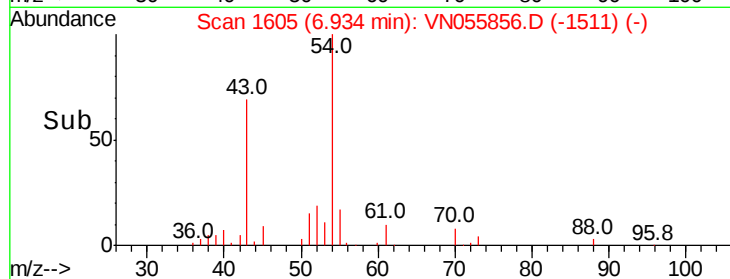
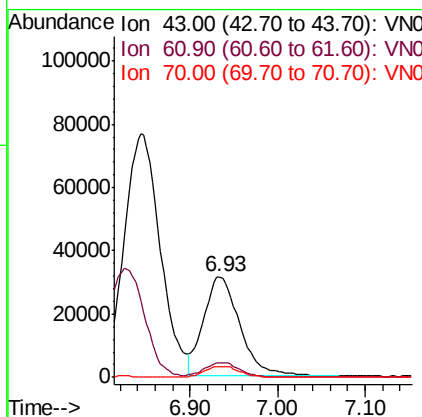
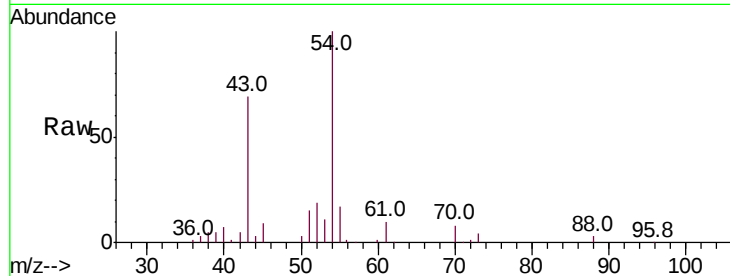
#37
Ethyl Acetate
Concen: 20.474 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	43	61	70
Ion Ratio	100	13.5	10.7
Lower		12.2	8.9
Upper		18.2	13.3

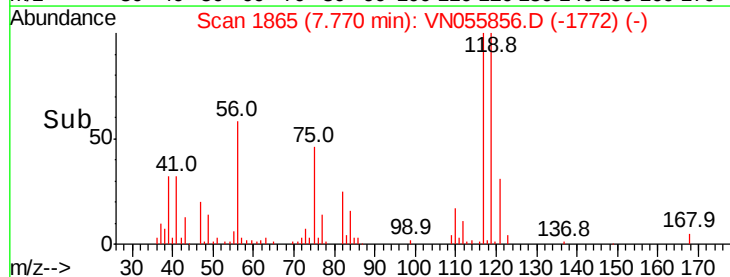
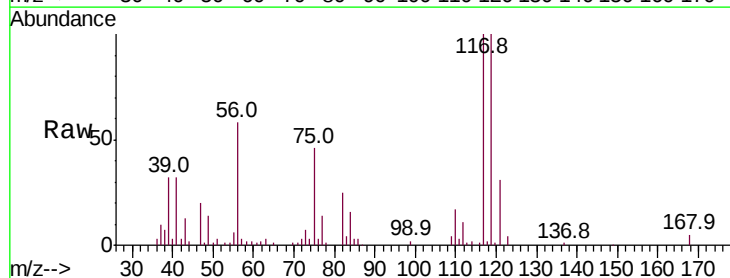
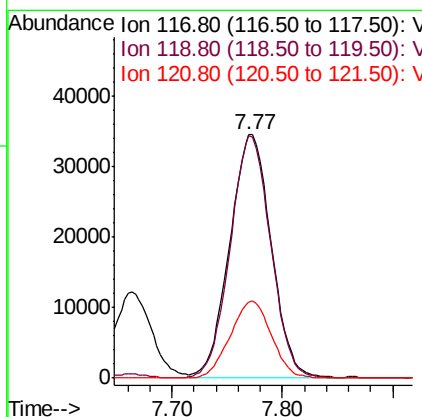
Manual Integrations
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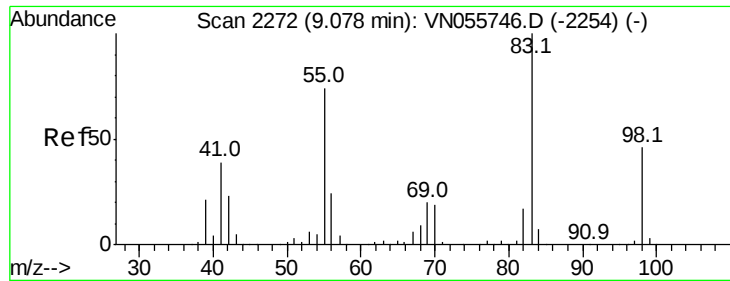
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#38
Carbon Tetrachloride
Concen: 18.941 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	117	119	121
Ion Ratio	100	99.7	31.3
Lower		79.0	24.7
Upper		118.6	37.1





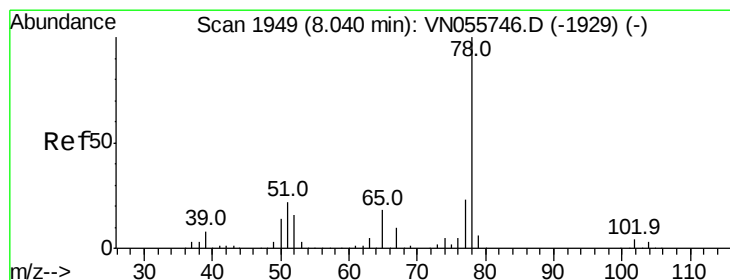
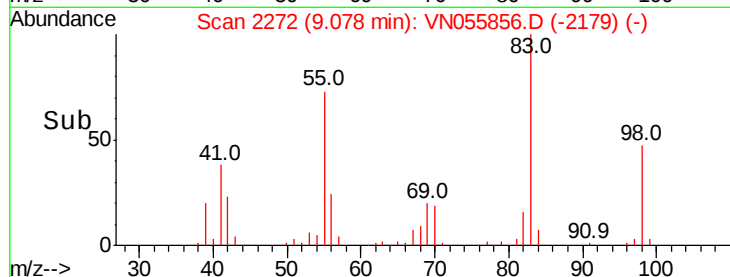
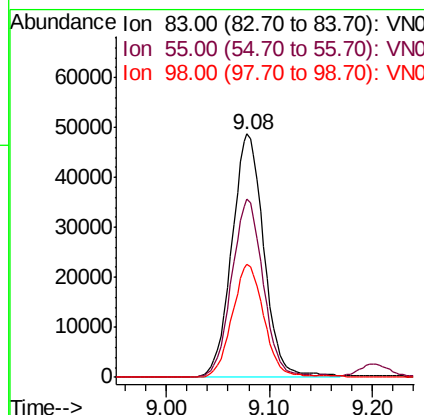
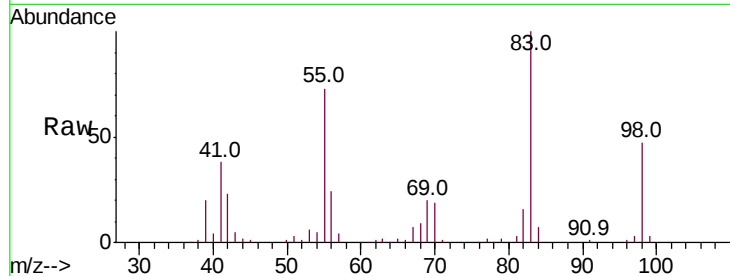
#39
Methvlcvclohexane
Concen: 18.664 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	59.3	88.9
98	46.6	36.6	54.8

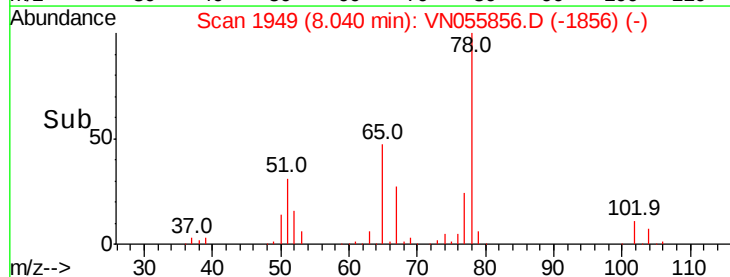
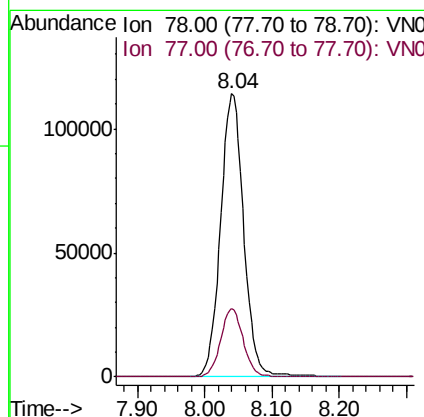
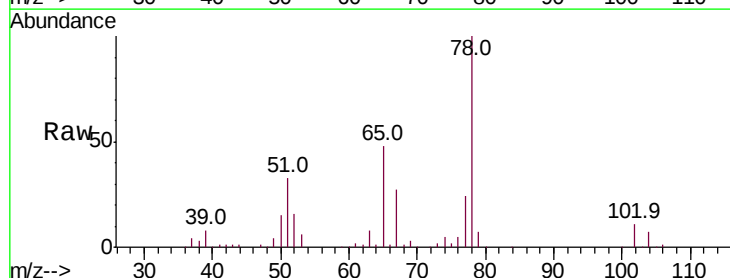
Manual Integrations
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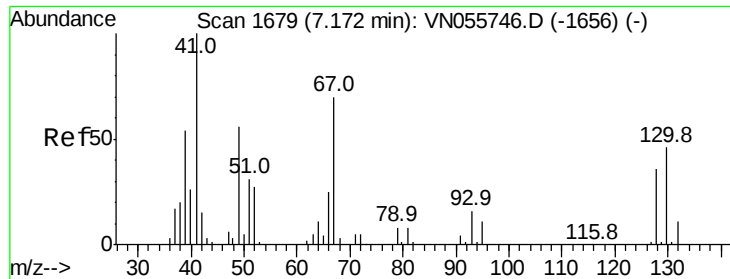
MMDadoda
5/29/2019 9:53:31 AM



#40
Benzene
Concen: 19.957 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





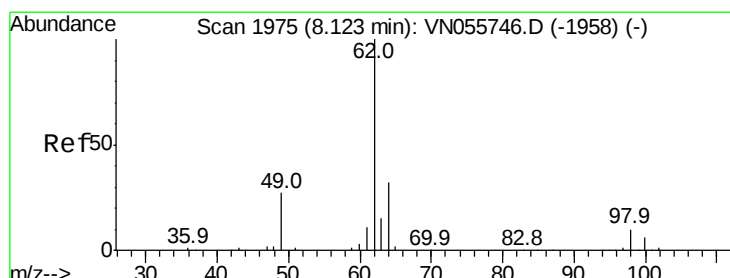
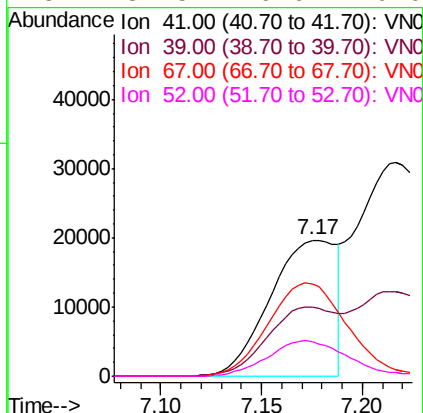
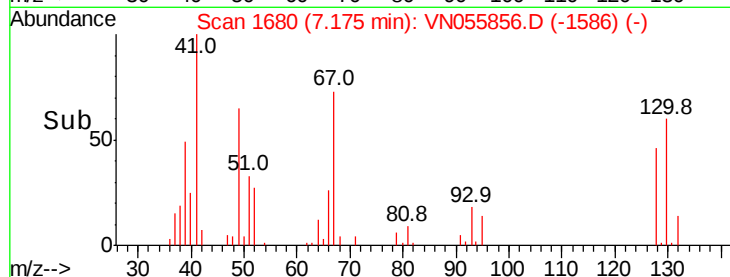
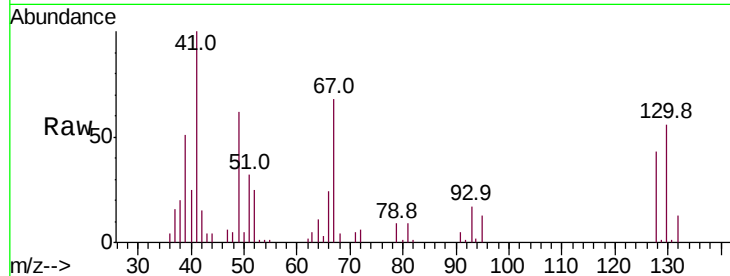
#41
Methacrylonitrile
Concen: 20.215 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	45.6	68.4	
67	82.7	67.7	101.5	
52	31.5	26.6	40.0	

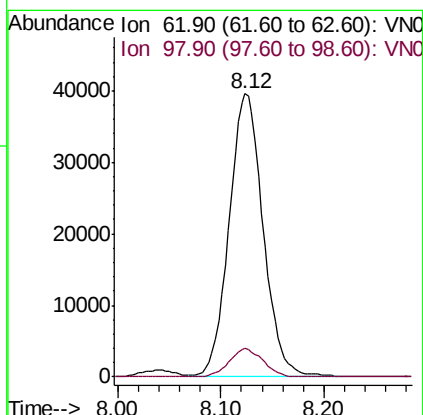
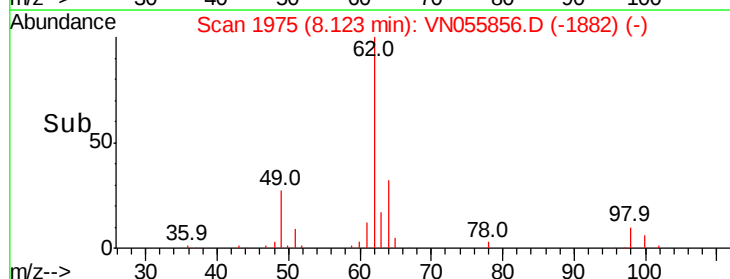
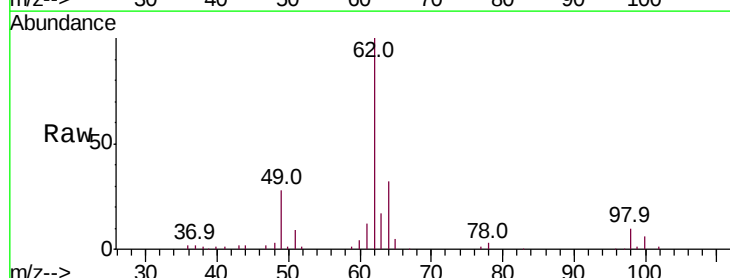
Manual Integrations
APPROVED

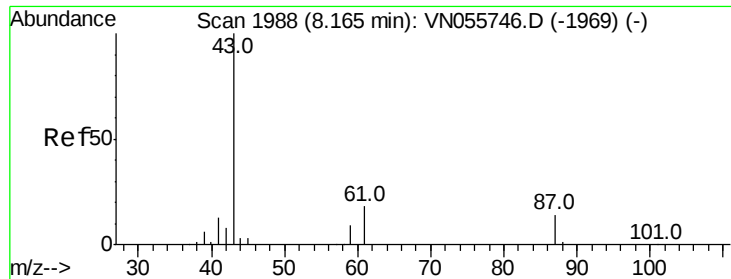
MMDadoda
5/29/2019 9:53:31 AM



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.090 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

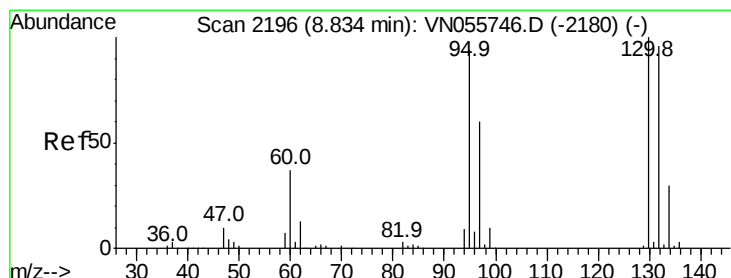
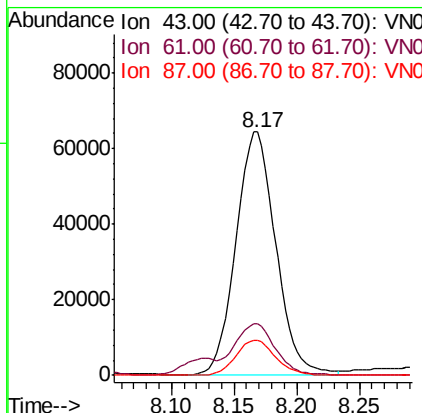
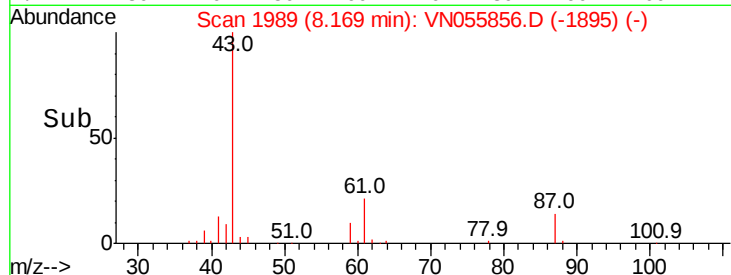
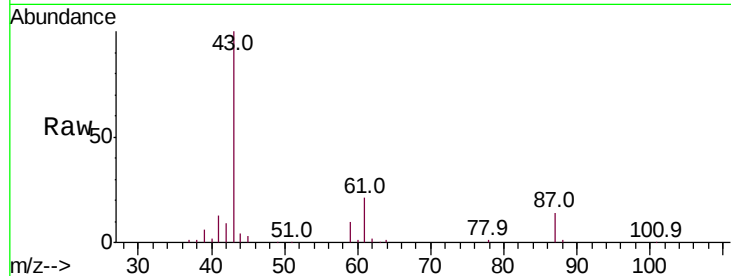
ClientSampleId :

VN0528MBS01

Tot Ion:	43	Resp:	141500
Ion	Ratio	Lower	Upper
43	100		
61	22.2	22.2	33.4#
87	14.3	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:53:31 AM



#44

Trichloroethene

Concen: 20.345 ug/l

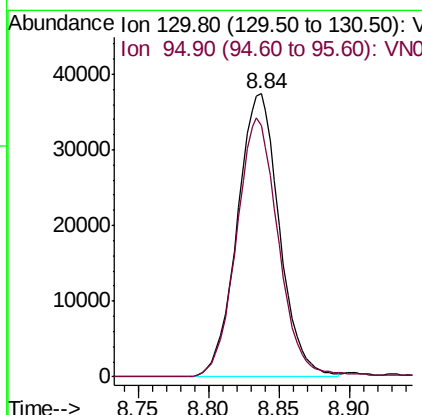
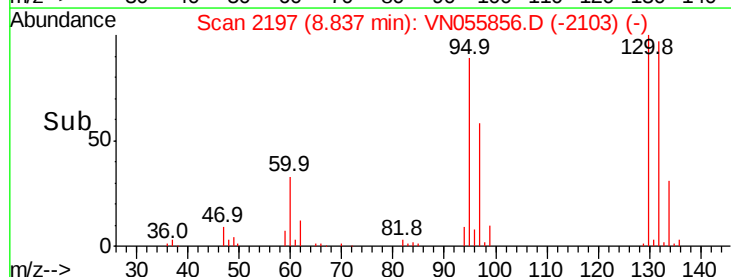
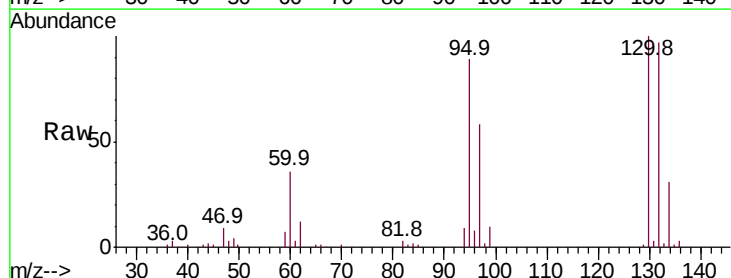
RT: 8.84 min Scan# 2197

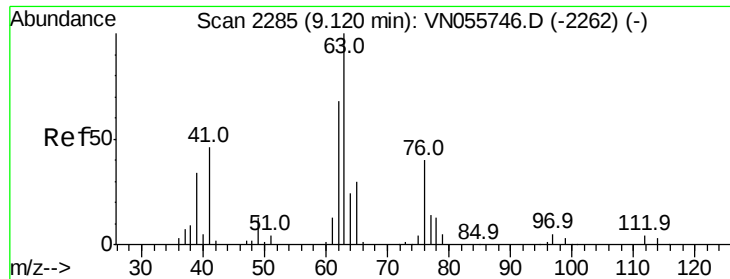
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	130	Resp:	78023
Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.824 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 63 Resp: 71051

Ion Ratio Lower Upper

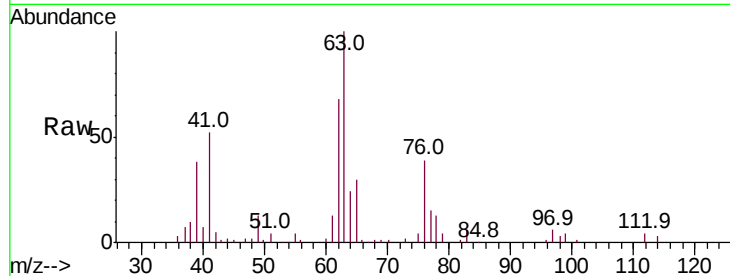
63 100

65 30.3 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

40000

30000

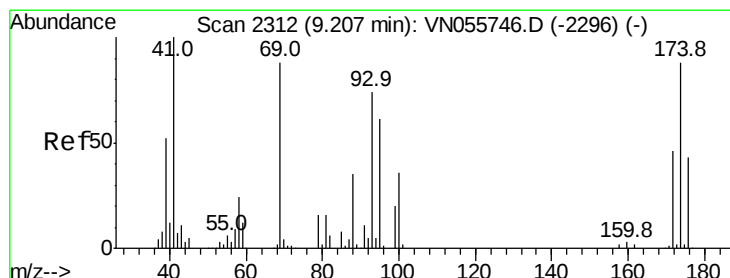
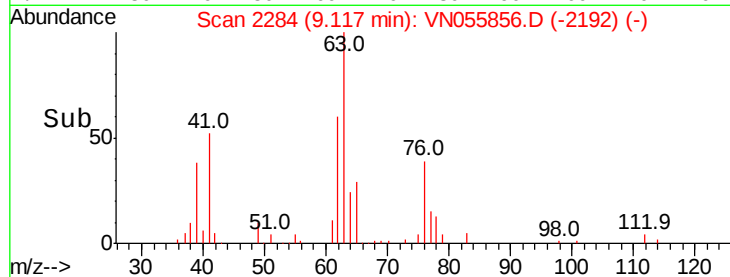
20000

10000

0

Time--> 9.00 9.10 9.20

9.12



#46

Dibromomethane

Concen: 20.505 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

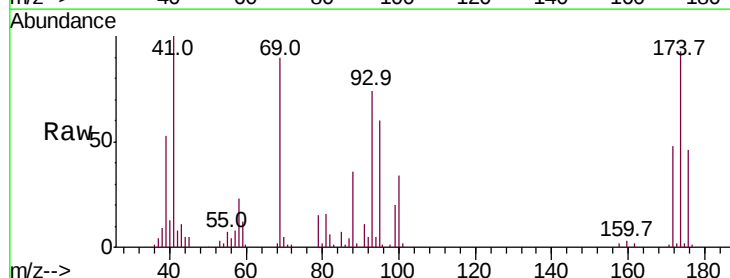
Tgt Ion: 93 Resp: 48198

Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 124.5 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

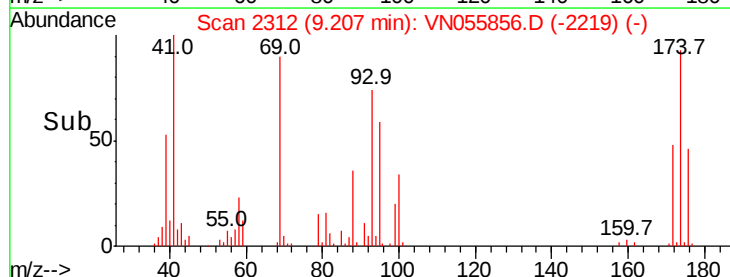
20000

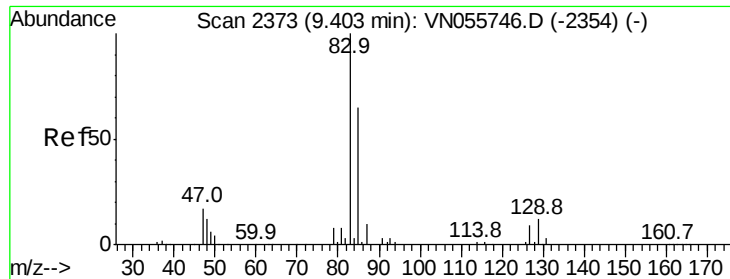
10000

0

Time--> 9.15 9.20 9.25 9.30

9.21





#47

Bromodichloromethane

Concen: 18.963 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

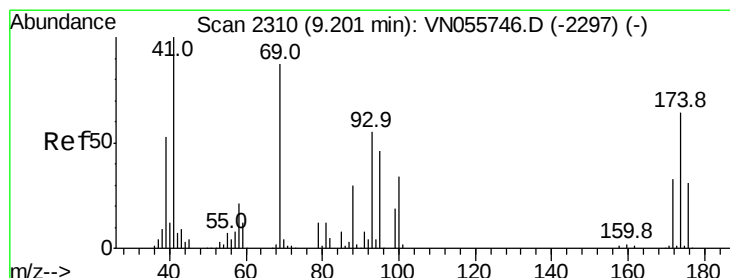
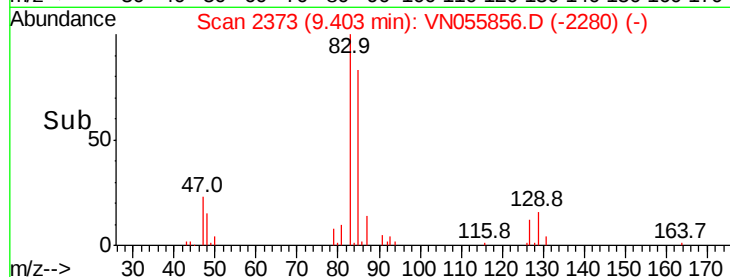
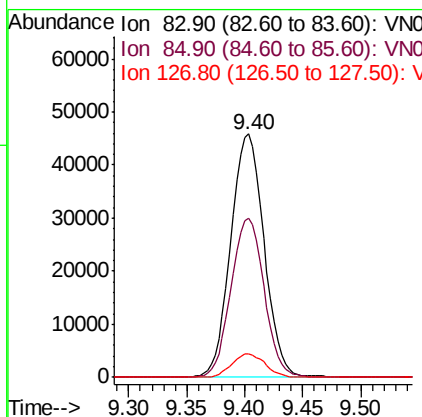
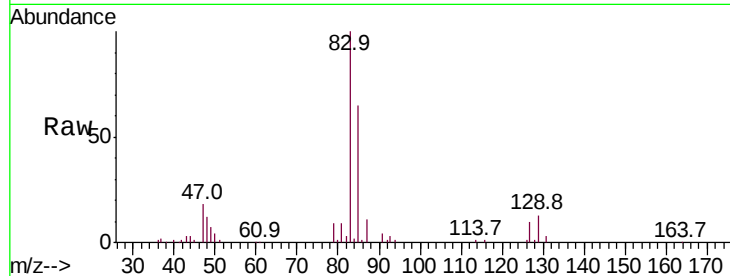
ClientSampleId :

VN0528MBS01

Tot Ion:	83	Resp:	91395
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2
127	9.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.418 ug/l

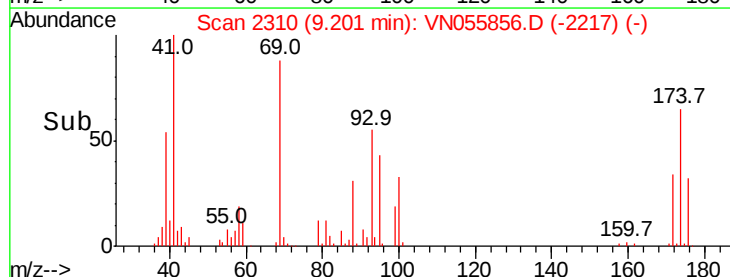
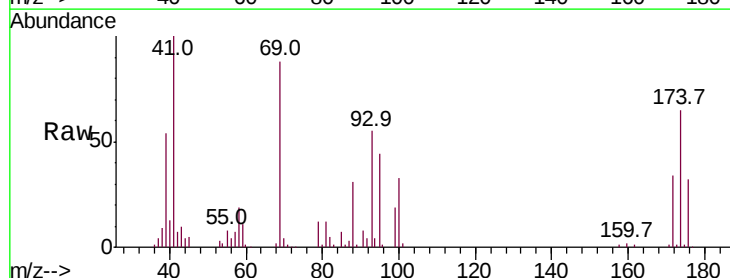
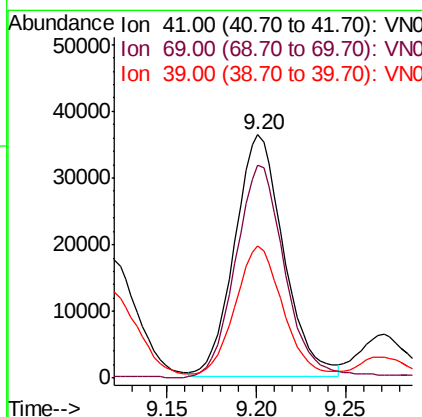
RT: 9.20 min Scan# 2310

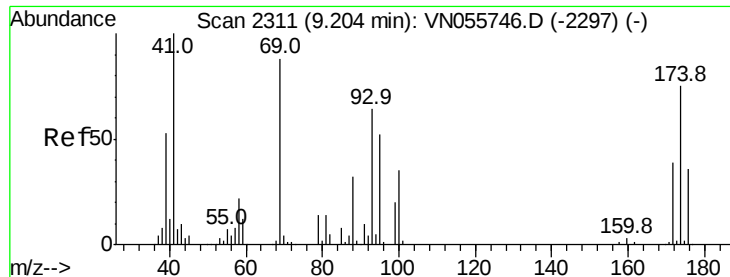
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	41	Resp:	69750
Ion	Ratio	Lower	Upper
41	100		
69	88.7	71.0	106.6
39	53.0	44.2	66.2





#49

1,4-Dioxane

Concen: 408.235 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 88 Resp: 28980

Ion Ratio Lower Upper

88 100

43 25.2 20.5 30.7

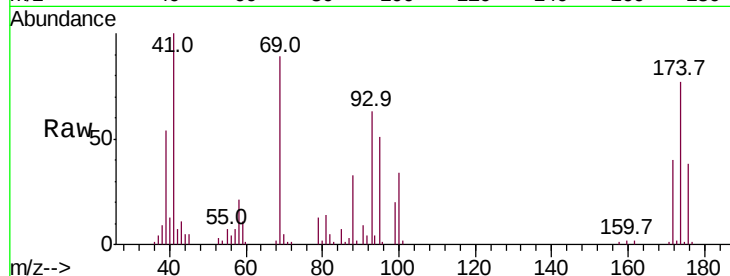
58 65.0 55.8 83.6

Manual Integrations

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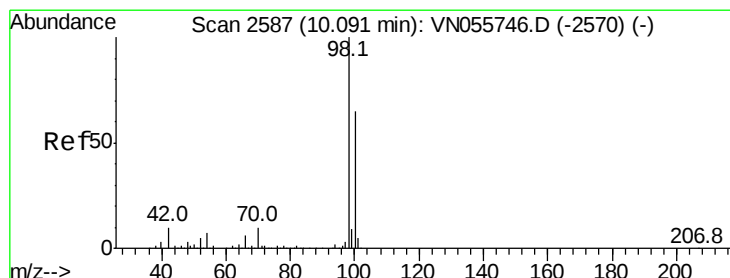
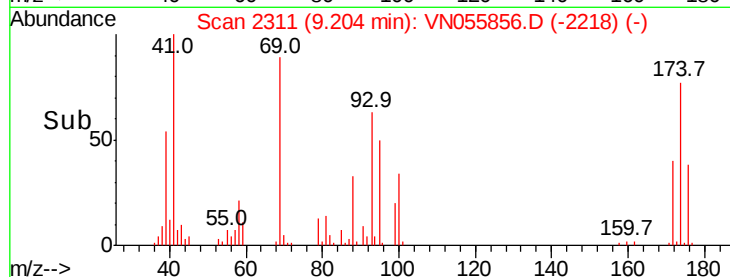
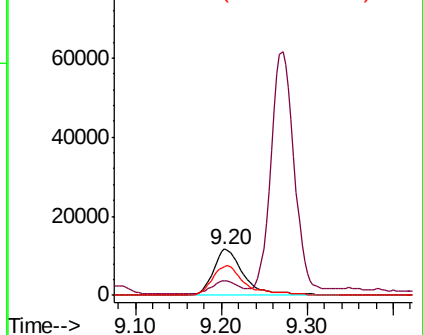
5/29/2019 9:53:31 AM



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.370 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055856.D

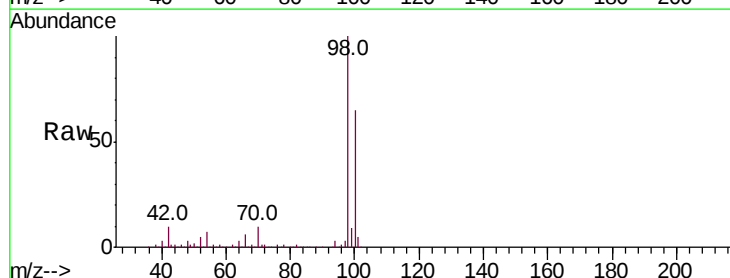
Acq: 28 May 2019 16:37

Tgt Ion: 98 Resp: 627120

Ion Ratio Lower Upper

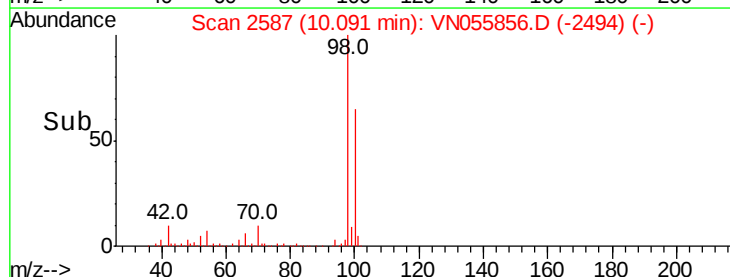
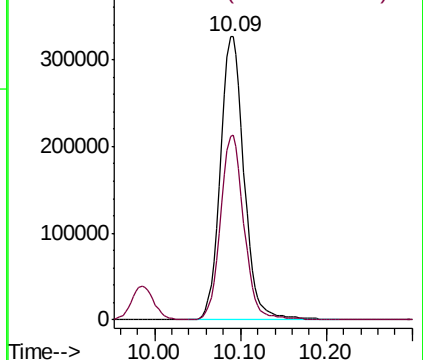
98 100

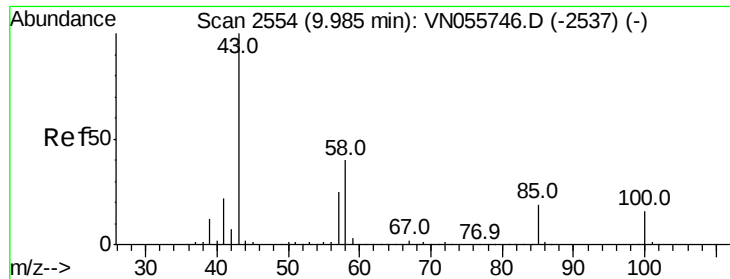
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.268 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

VN0528MBS01

Tot Ion: 43 Resp: 443308

Ion Ratio Lower Upper

43 100

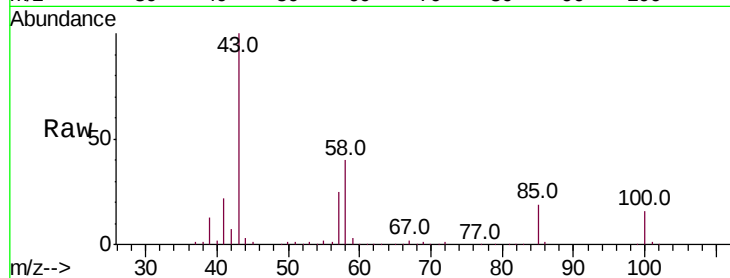
58 40.0 32.1 48.1

Manual Integrations

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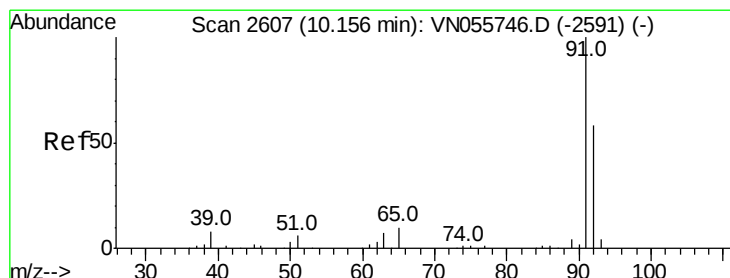
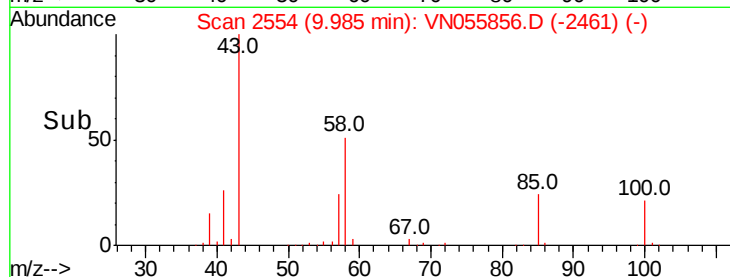
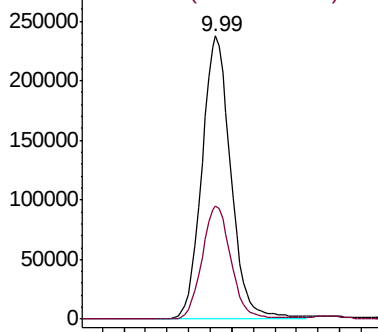
MMDadoda

5/29/2019 9:53:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.104 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055856.D

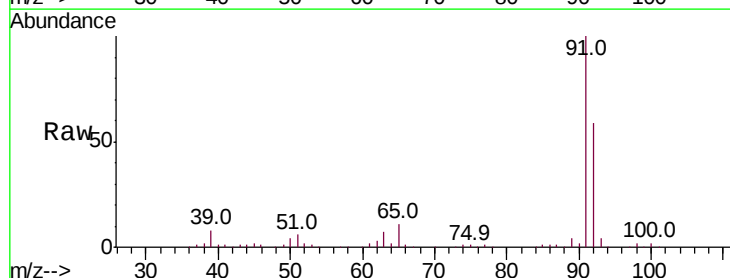
Acq: 28 May 2019 16:37

Tgt Ion: 92 Resp: 173930

Ion Ratio Lower Upper

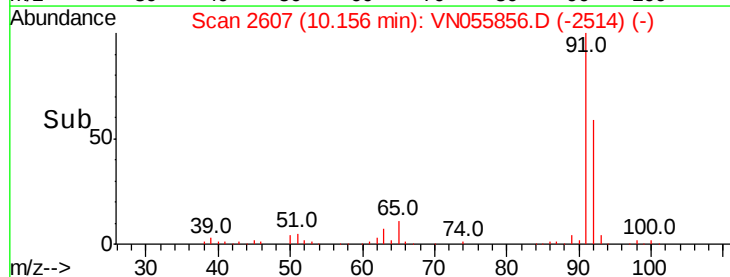
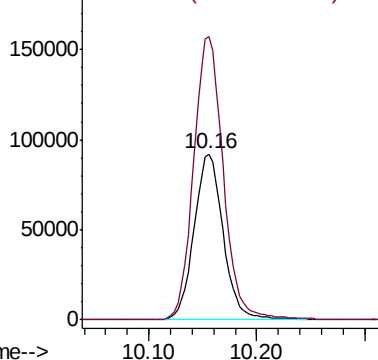
92 100

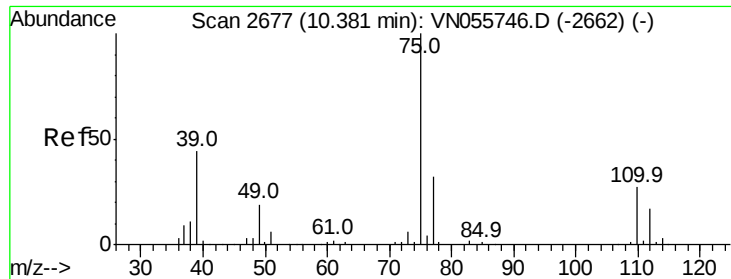
91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





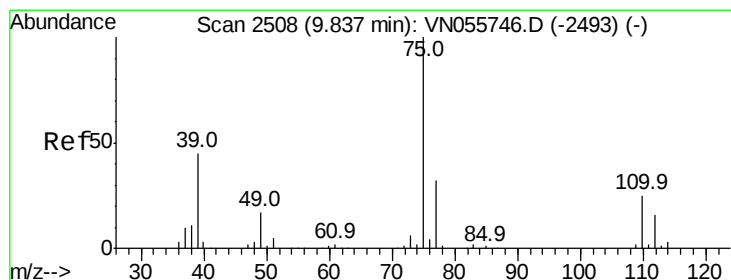
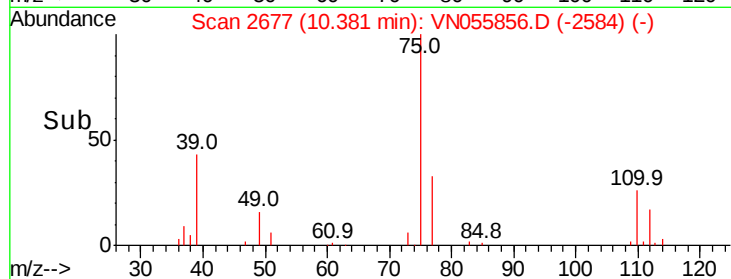
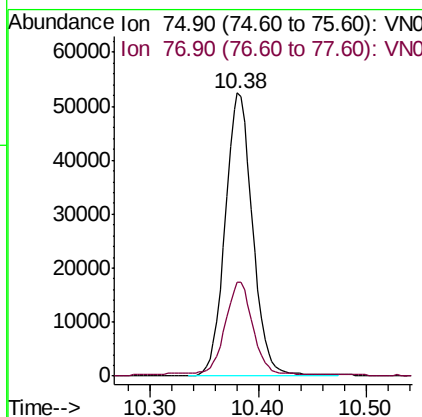
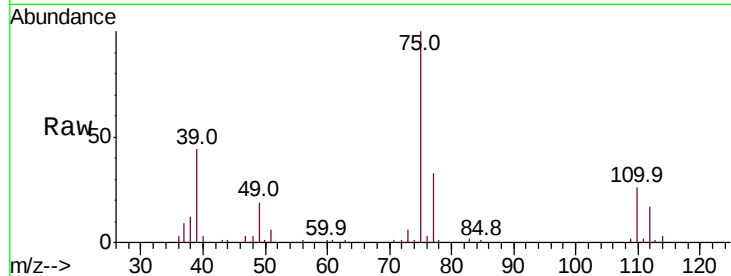
#53
t-1,3-Dichloropropene
Concen: 18.109 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 75 Resp: 93165
Ion Ratio Lower Upper
75 100
77 32.8 25.8 38.6

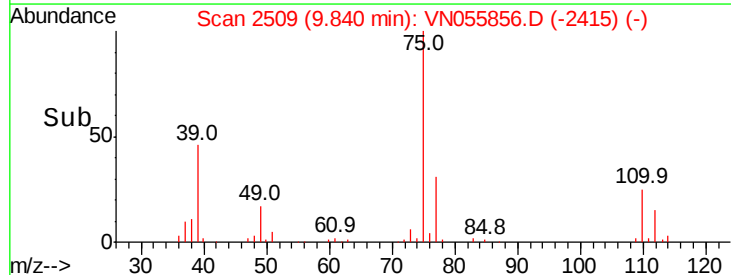
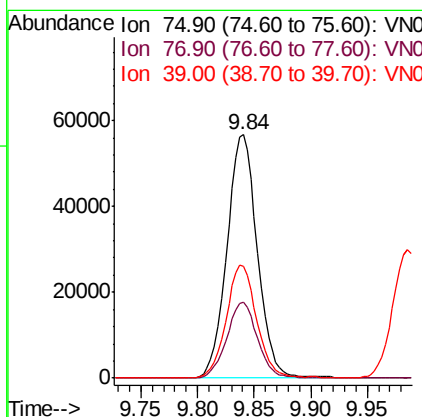
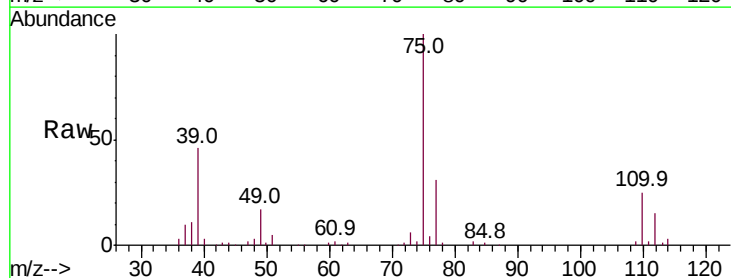
Manual Integrations
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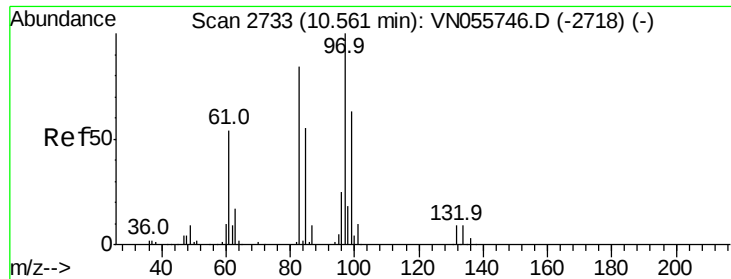
MMDadoda
5/29/2019 9:53:31 AM



#54
cis-1,3-Dichloropropene
Concen: 18.585 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 75 Resp: 105922
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 46.0 36.3 54.5





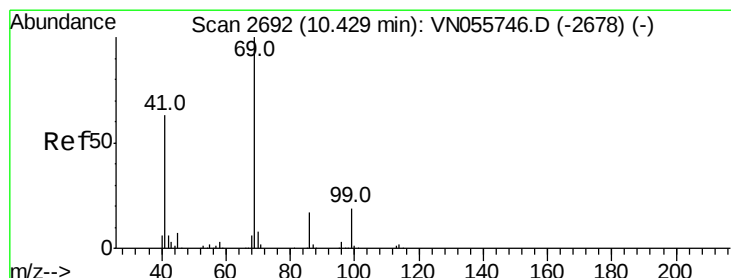
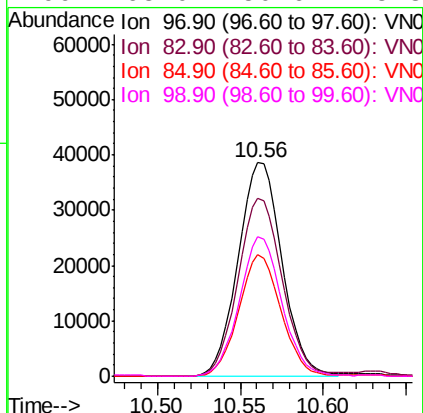
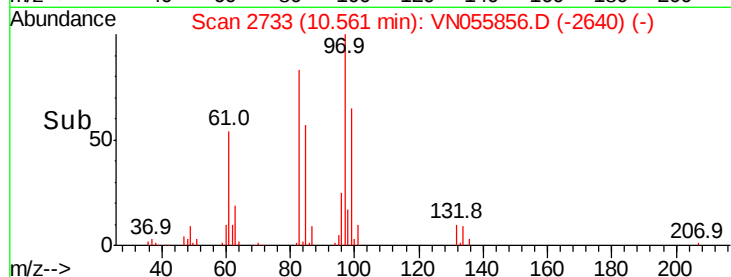
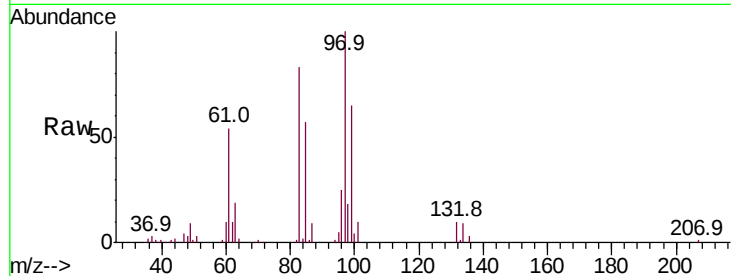
#55
 1,1,2-Trichloroethane
 Concen: 20.478 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.4	67.0	100.6	
85	56.7	44.0	66.0	
99	65.0	50.6	75.8	

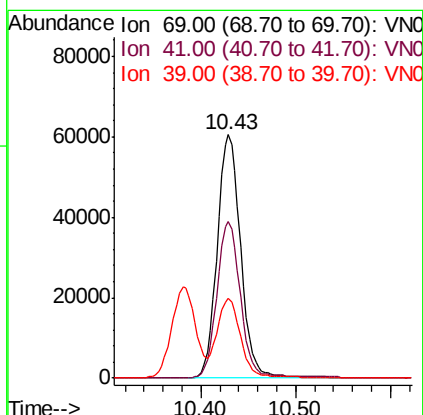
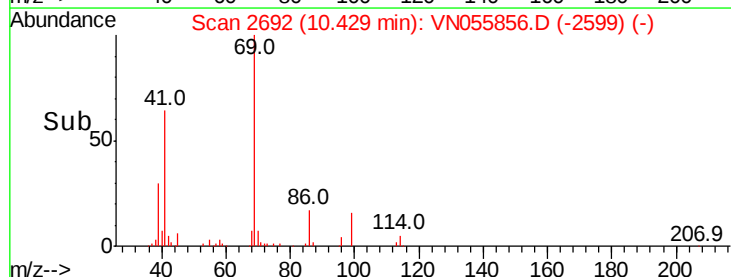
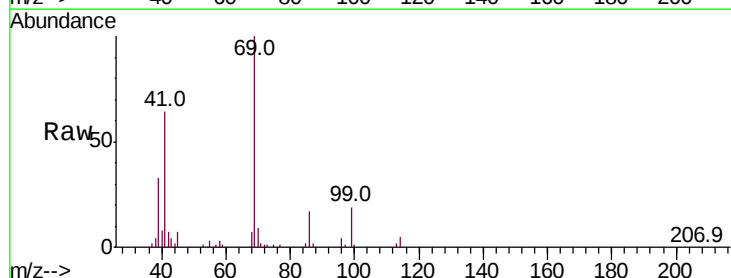
Manual Integrations
 APPROVED

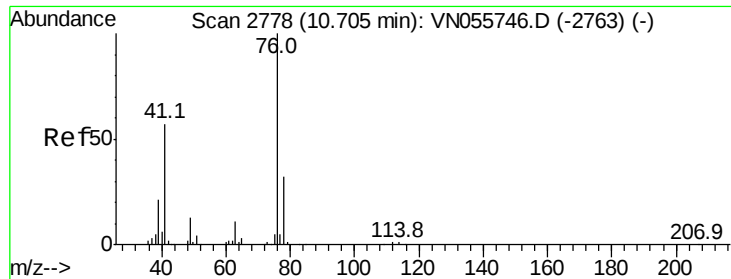
MMDadoda
 5/29/2019 9:53:31 AM



#56
 Ethyl methacrylate
 Concen: 19.554 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.3	49.7	74.5	
39	32.5	24.7	37.1	





#57

1,3-Dichloropropane

Concen: 20.234 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 76 Resp: 113997

Ion Ratio Lower Upper

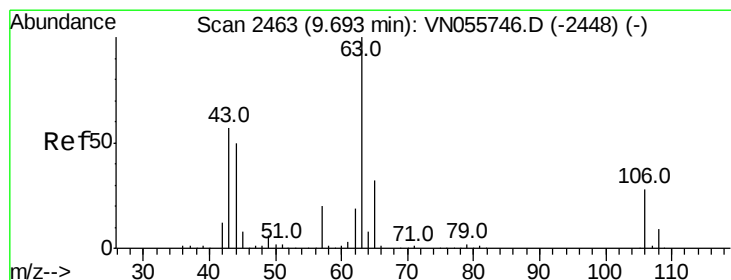
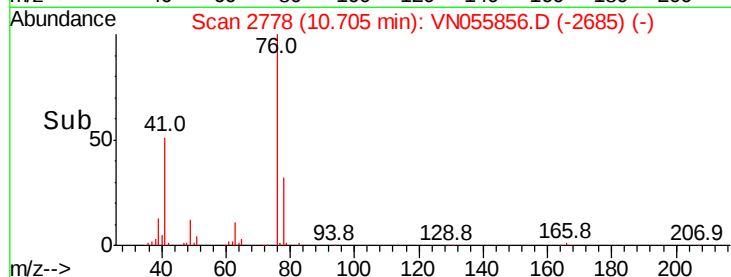
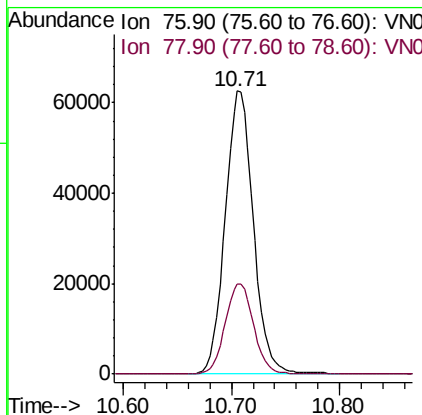
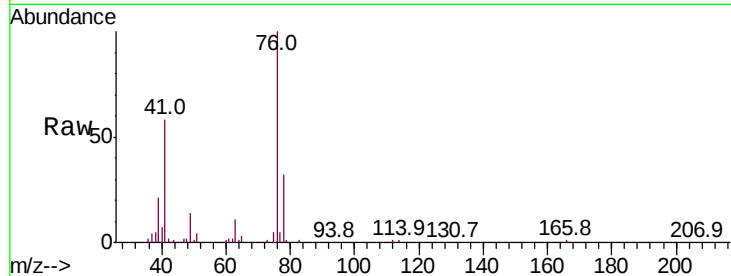
76 100

78 32.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 90.501 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055856.D

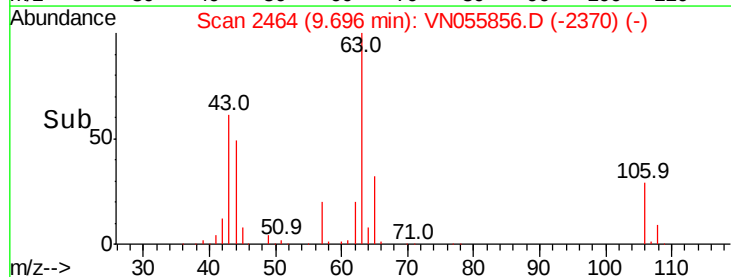
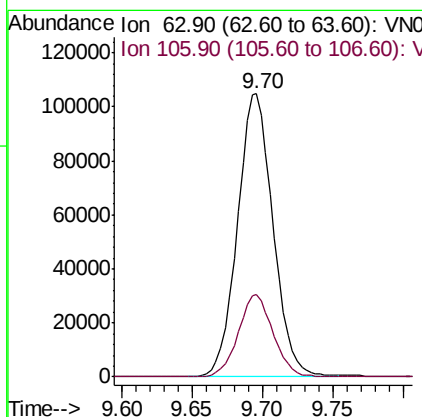
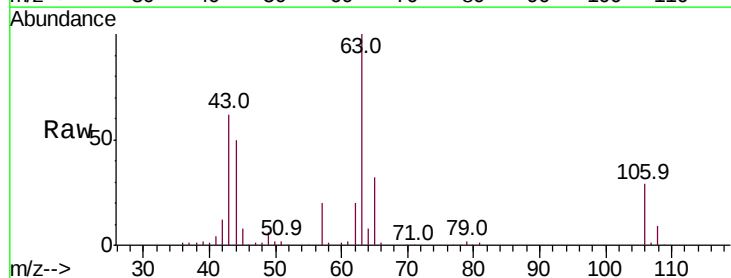
Acq: 28 May 2019 16:37

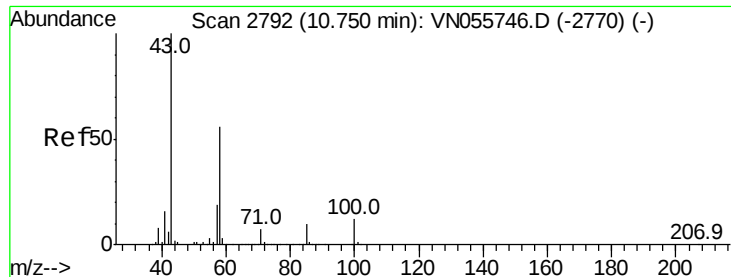
Tgt Ion: 63 Resp: 185260

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1





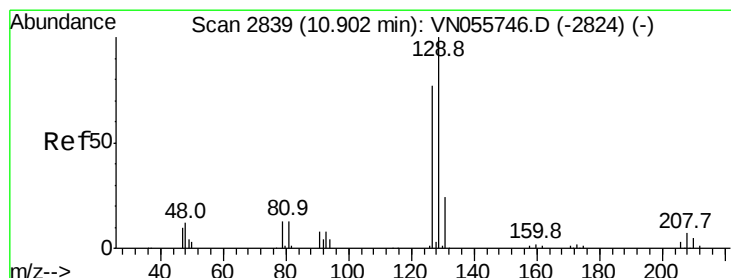
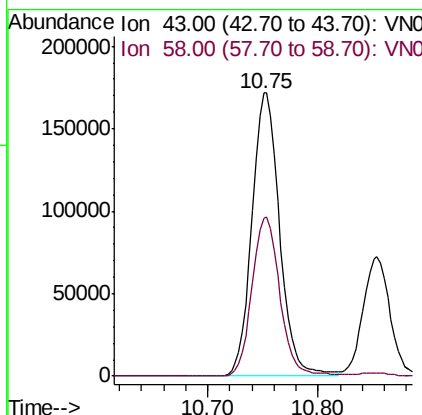
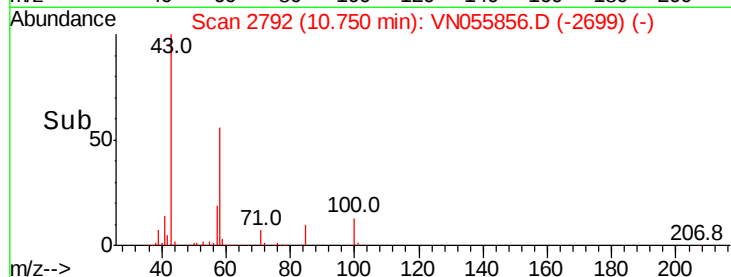
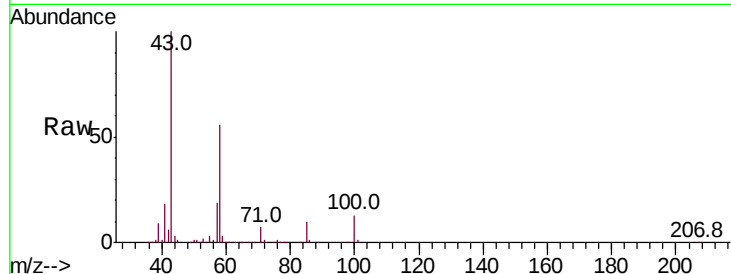
#59
2-Hexanone
Concen: 96.509 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 43 Resp: 299710
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.7

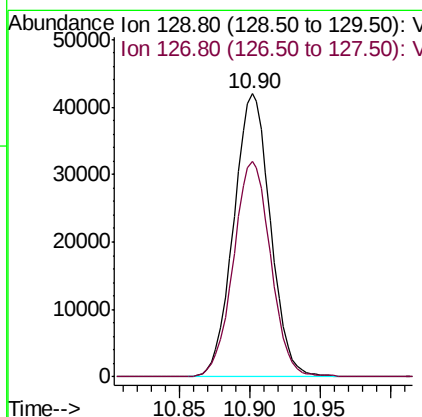
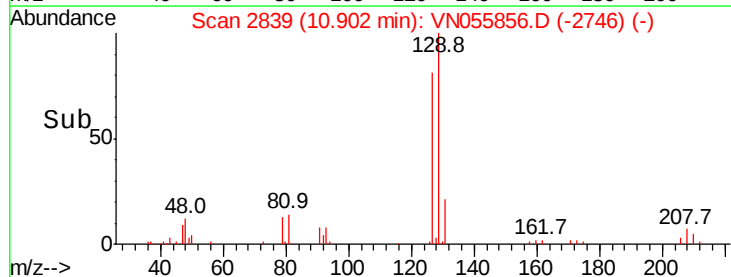
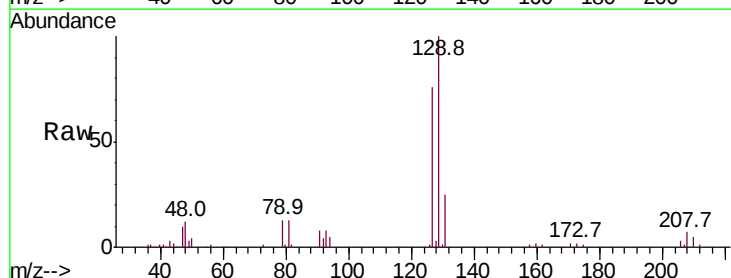
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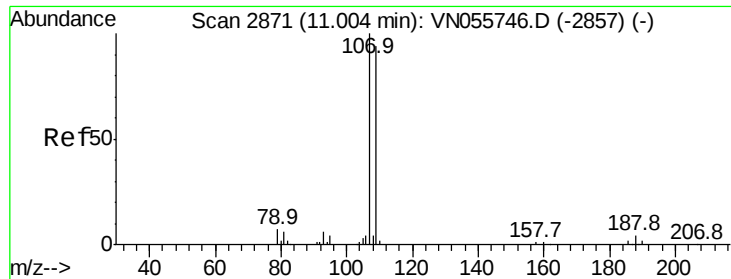
MMDadoda
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#60
Dibromochloromethane
Concen: 18.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 129 Resp: 76523
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





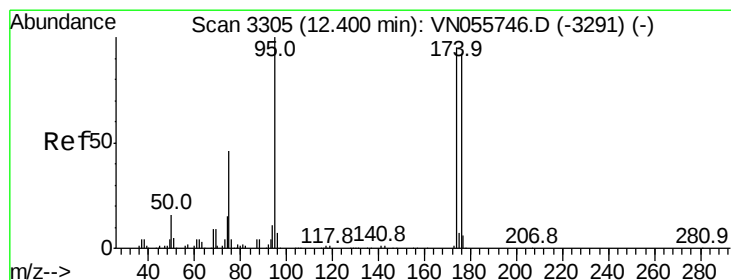
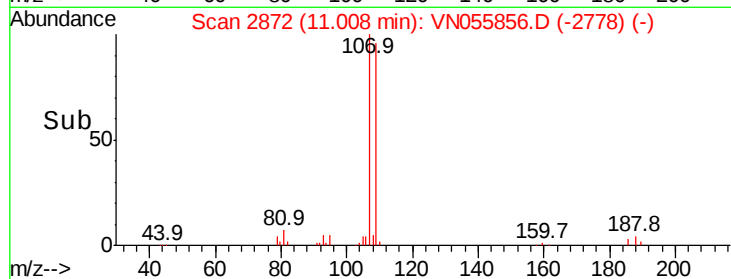
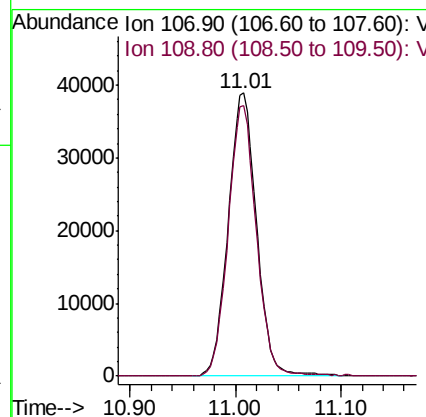
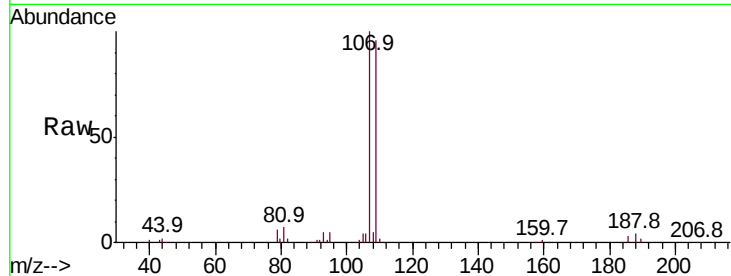
#61
 1,2-Dibromoethane
 Concen: 20.088 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.8	112.2

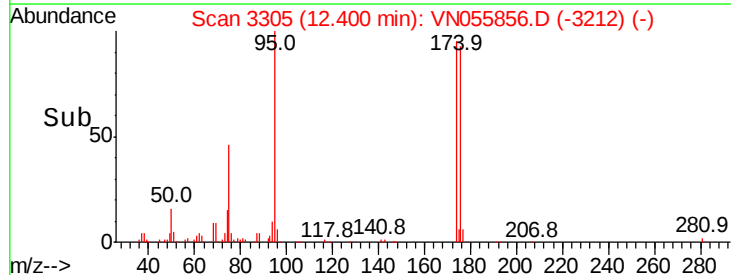
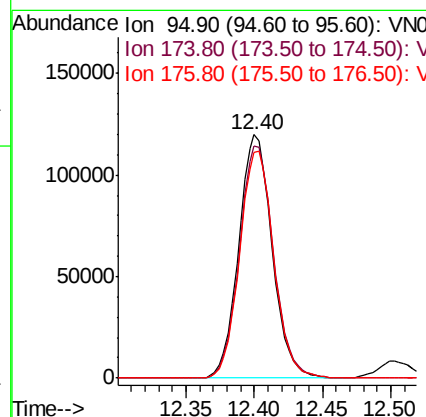
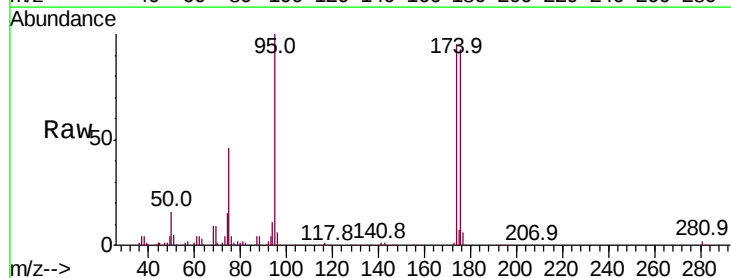
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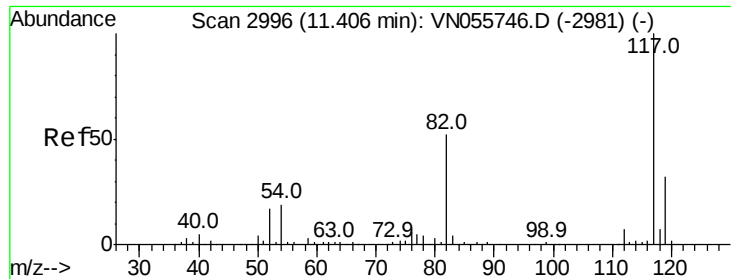
MMDadoda
 5/29/2019 9:53:31 AM



#62
 4-Bromofluorobenzene
 Concen: 46.732 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	191.0
176	95.2	0.0	185.2





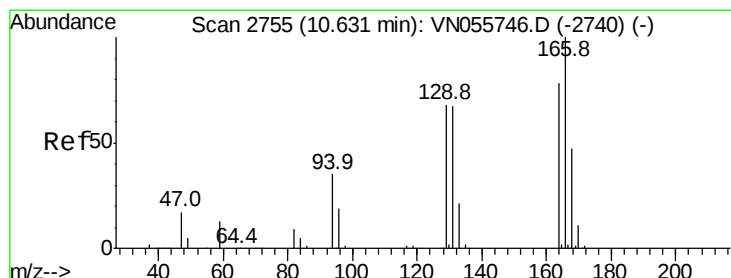
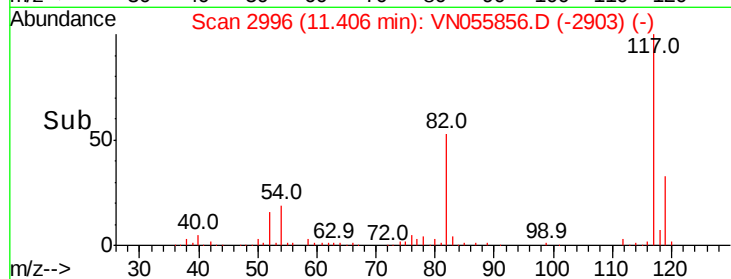
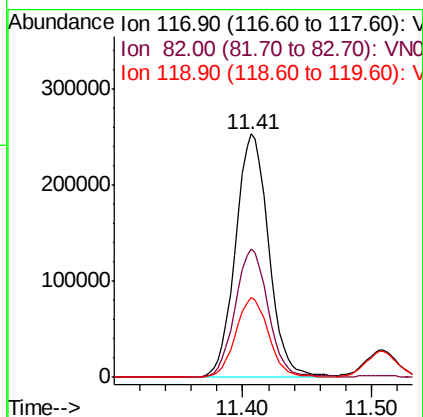
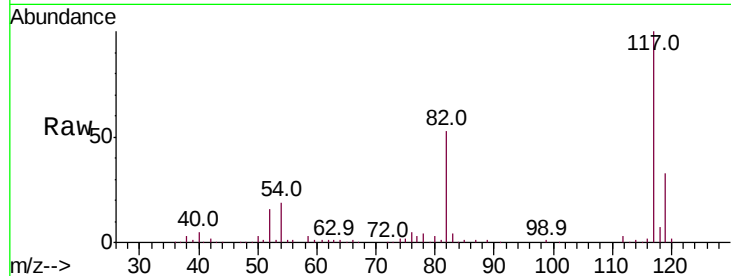
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	32.5	25.4	38.0

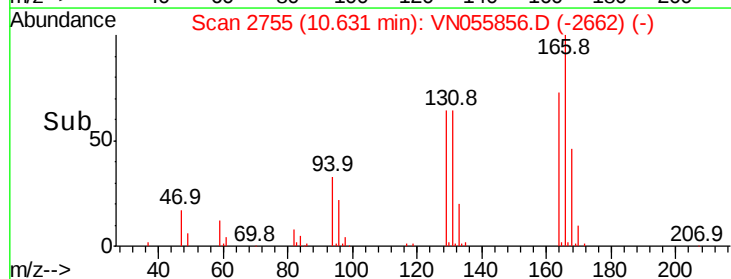
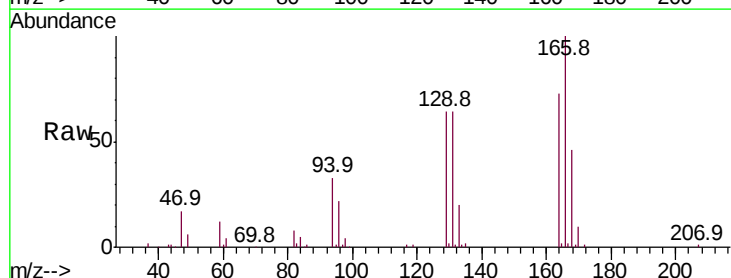
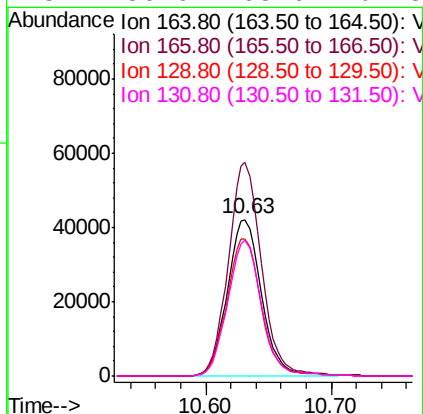
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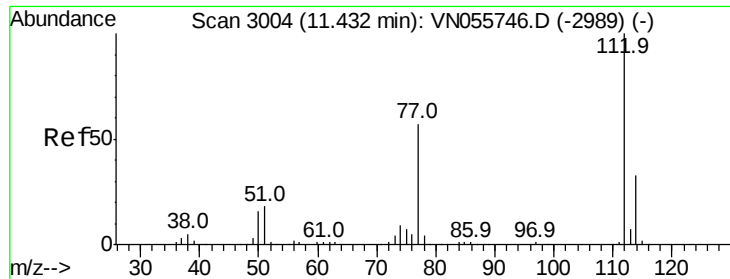
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#64
Tetrachloroethene
Concen: 20.849 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.4	103.0	154.6
129	87.8	70.6	105.8
131	86.6	68.6	102.8





#65

Chlorobenzene

Concen: 20.664 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

VN0528MBS01

Tot Ion:112 Resp: 187524

Ion Ratio Lower Upper

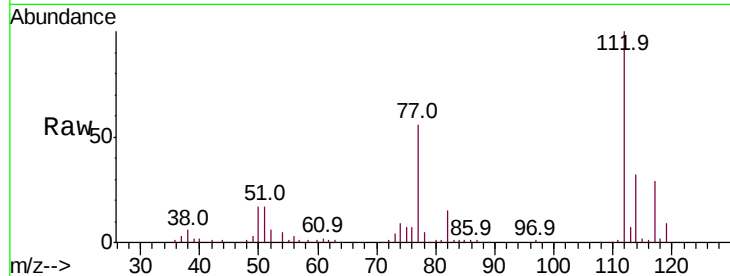
112 100

114 31.6 26.2 39.4

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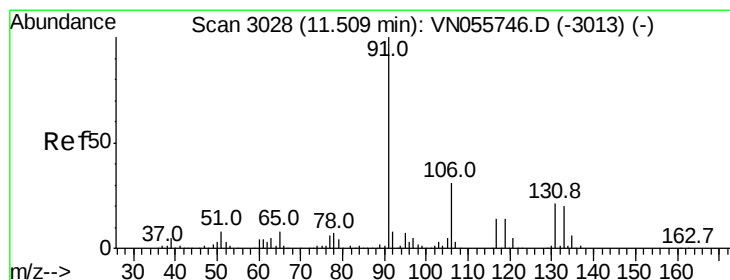
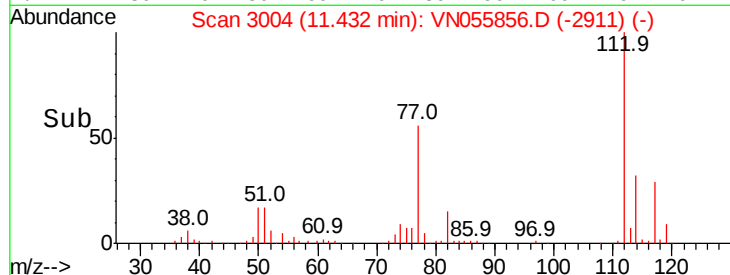
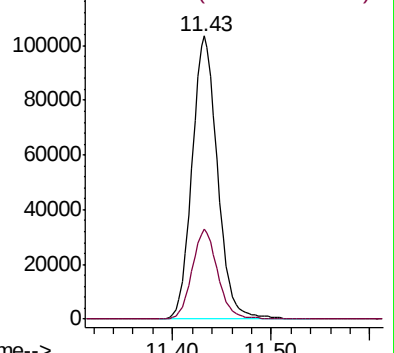
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.825 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

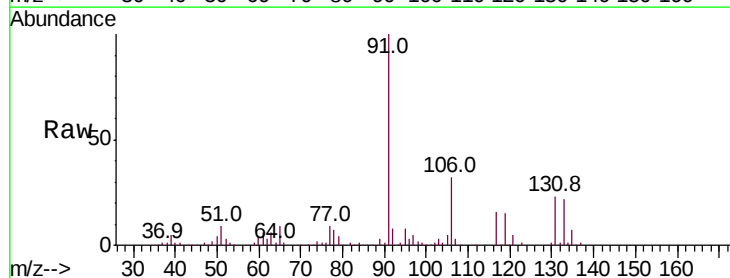
Tgt Ion:131 Resp: 71756

Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.0

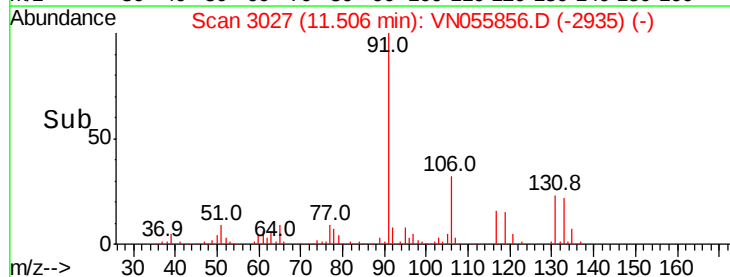
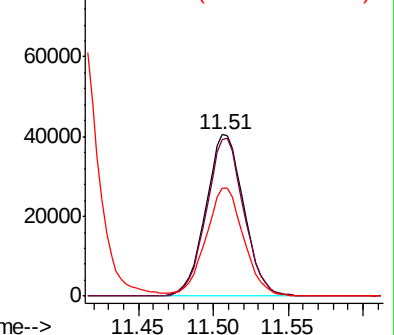
119 66.7 33.1 99.5

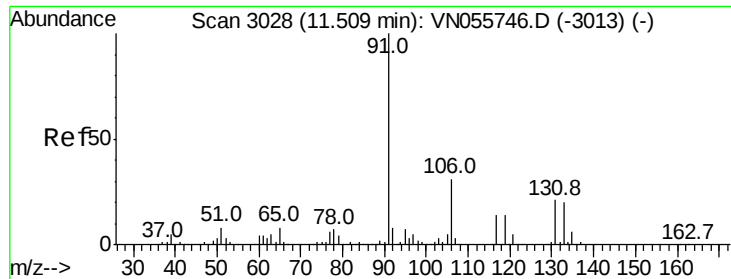


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





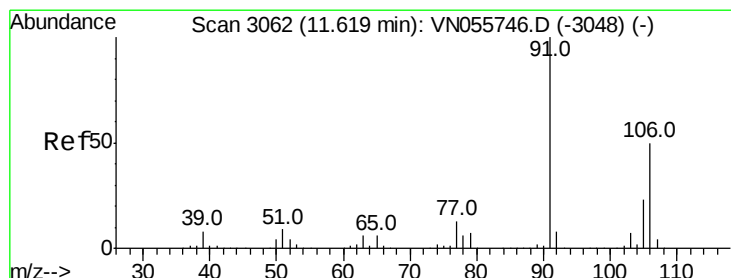
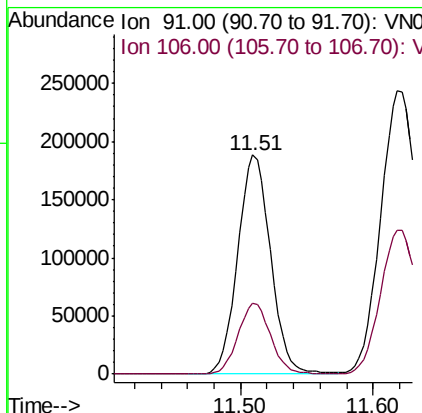
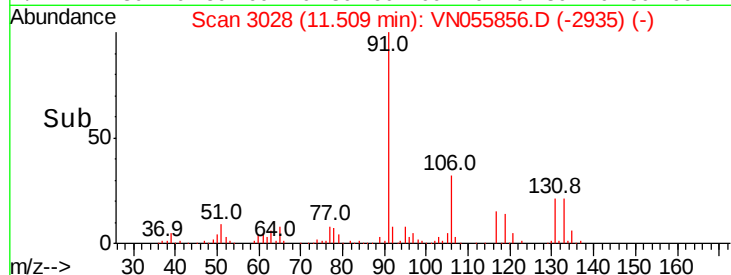
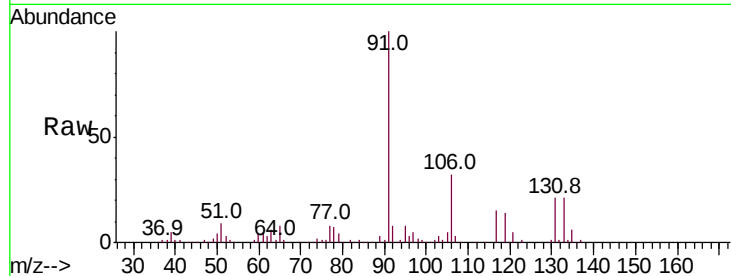
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampled :
VN0528MBS01

Tot Ion: 91 Resp: 323939
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

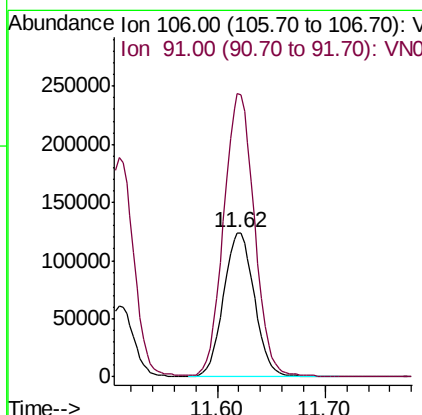
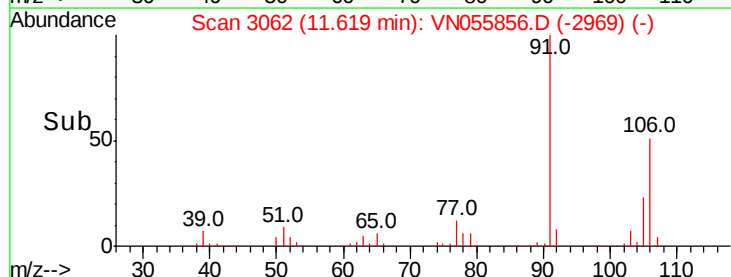
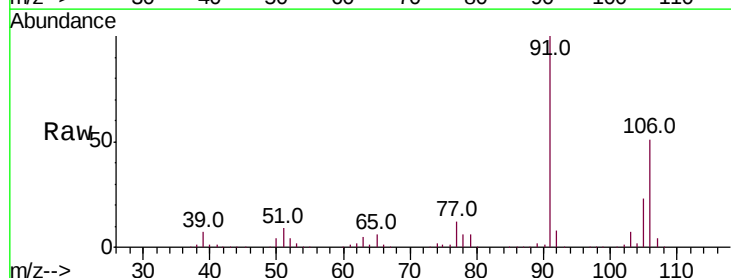
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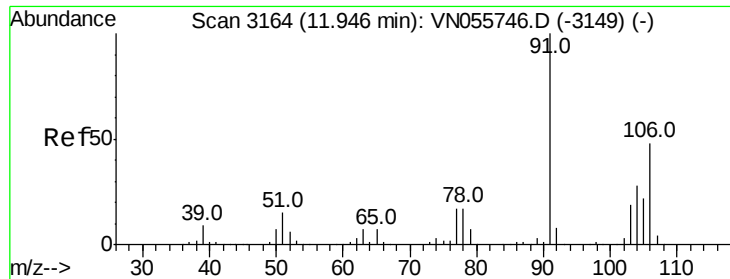
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#68
m/p-Xylenes
Concen: 40.317 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 106 Resp: 248045
Ion Ratio Lower Upper
106 100
91 195.4 159.3 238.9





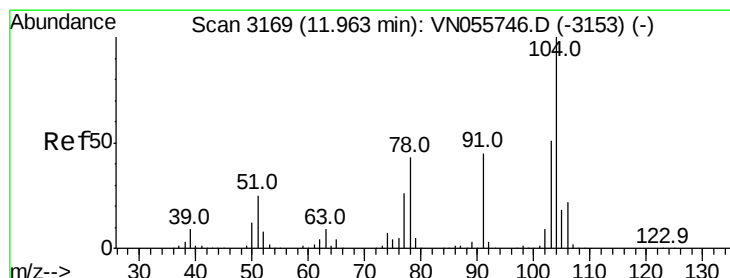
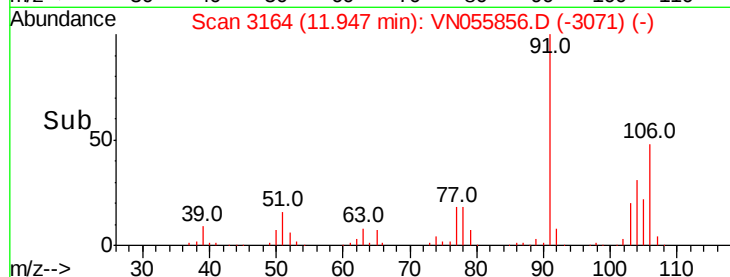
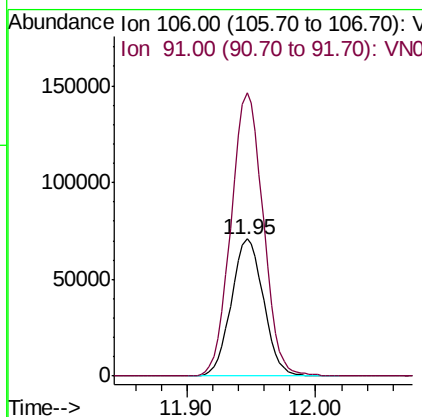
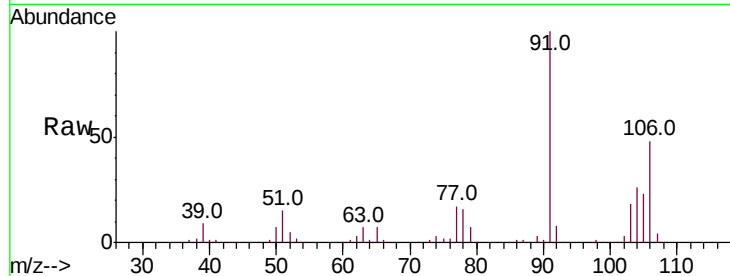
#69
o-Xylene
Concen: 20.119 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion:106 Resp: 122807
Ion Ratio Lower Upper
106 100
91 206.7 104.7 314.1

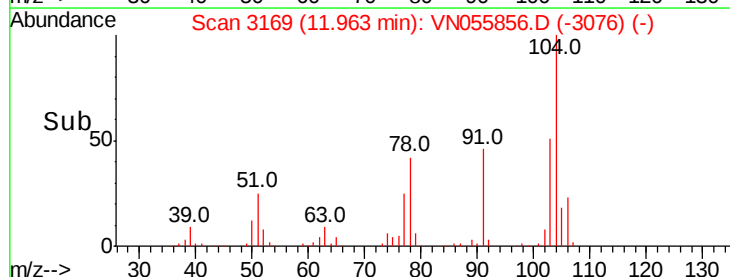
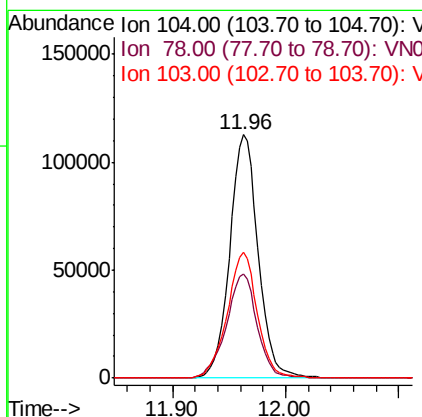
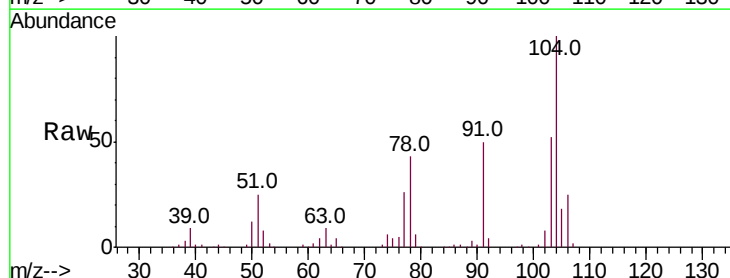
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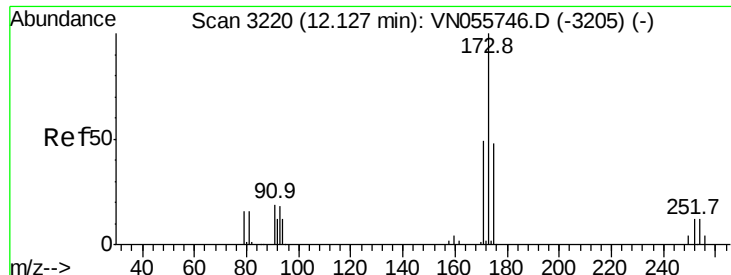
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#70
Styrene
Concen: 19.920 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion:104 Resp: 196900
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.8 44.2 66.2





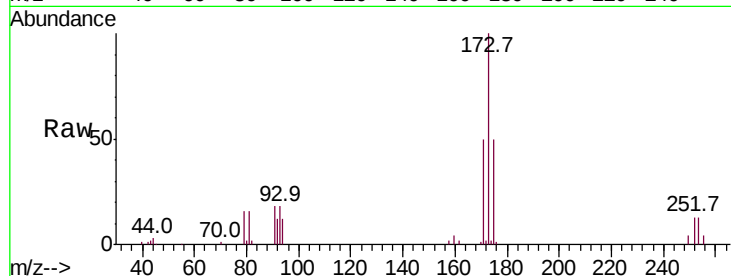
#71
Bromoform
Concen: 18.418 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

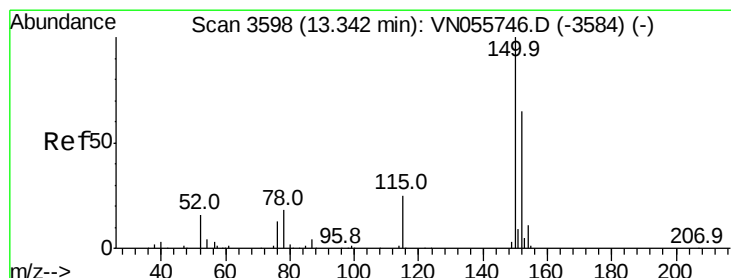
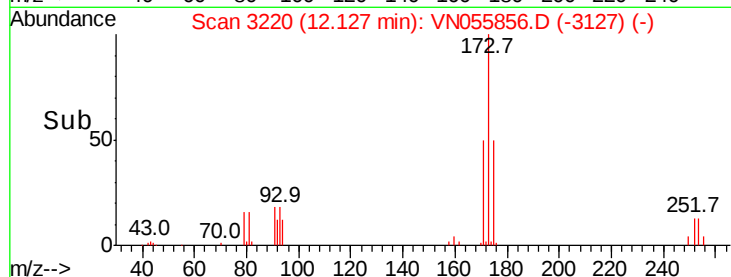
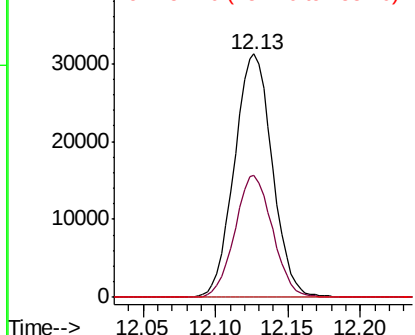
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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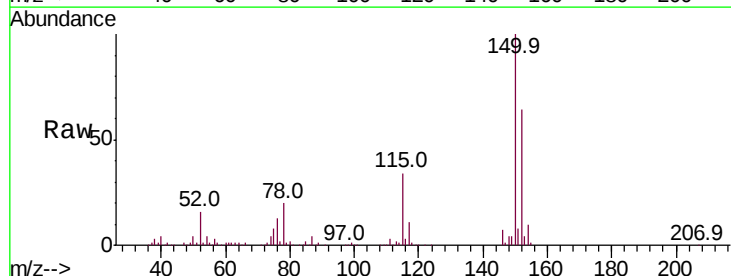


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

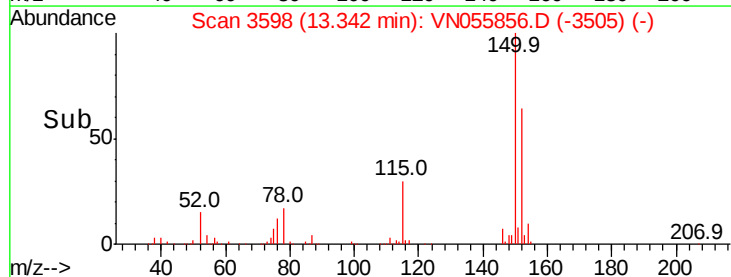
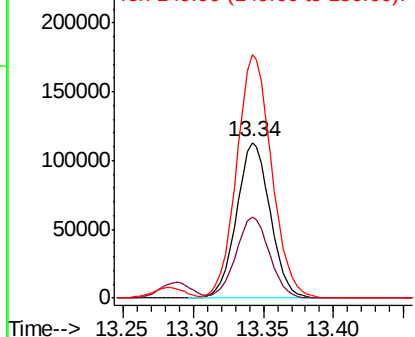


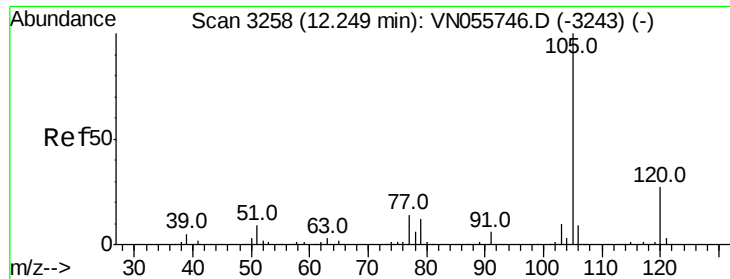
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	163.2	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.657 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

VN0528MBS01

Tot Ion:105 Resp: 323162

Ion Ratio Lower Upper

105 100

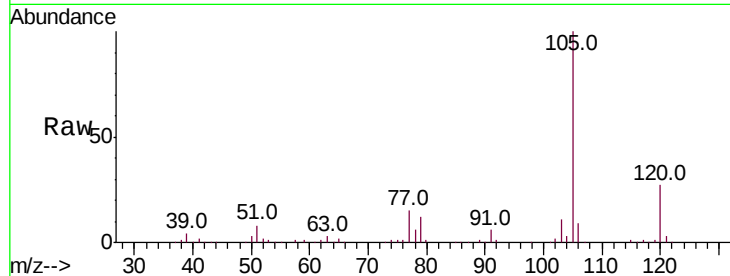
120 27.3 13.6 40.7

Manual Integrations

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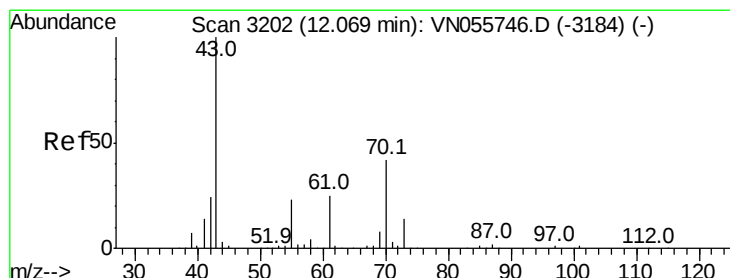
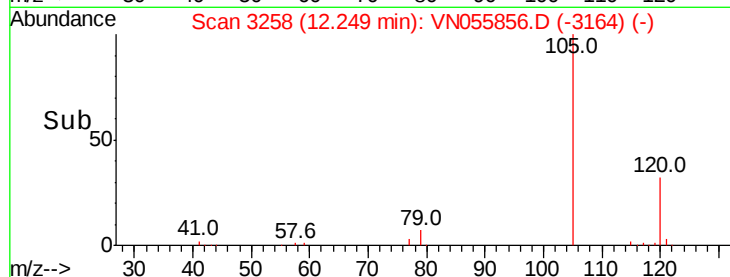
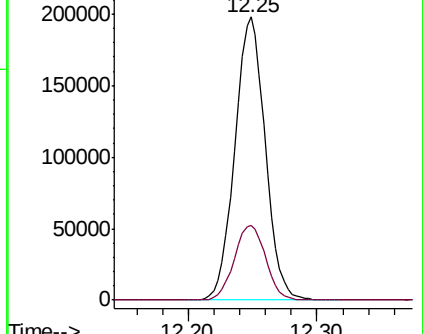
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.813 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion: 43 Resp: 112957

Ion Ratio Lower Upper

43 100

70 42.7 34.0 51.0

55 24.2 18.6 28.0

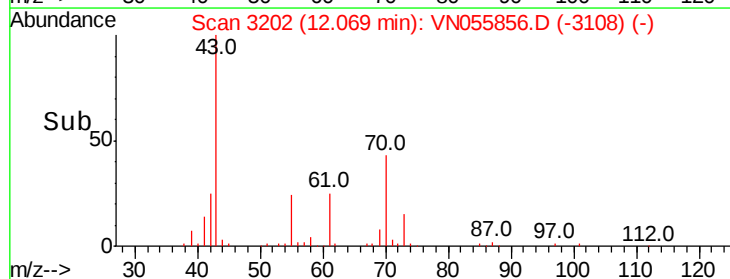
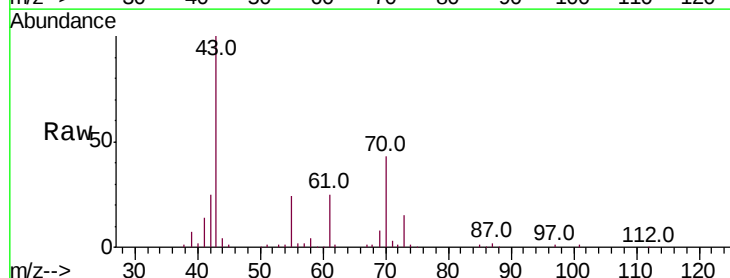
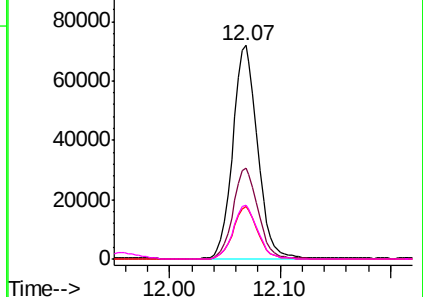
61 24.7 20.0 30.0

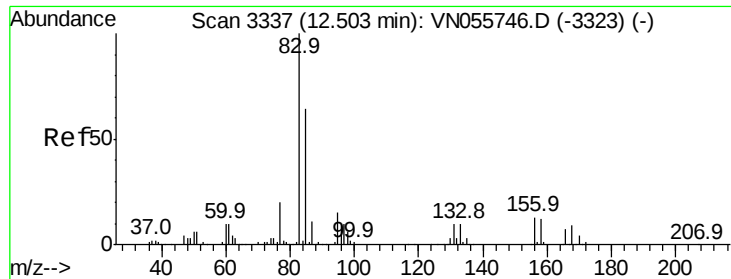
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.293 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

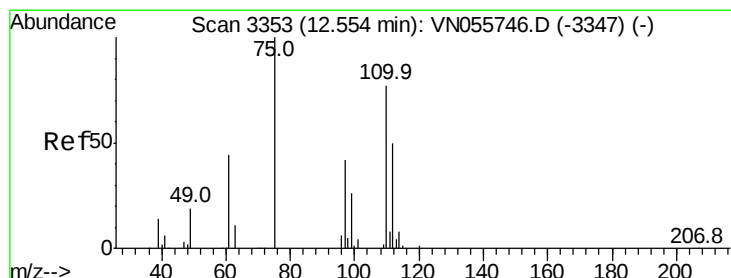
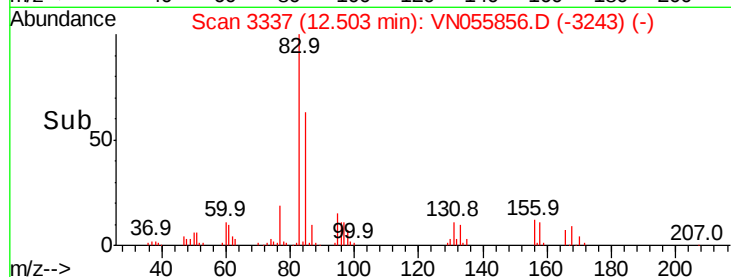
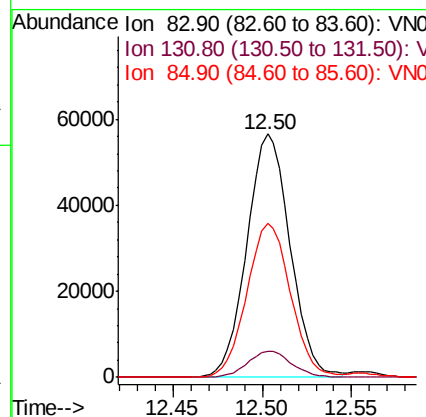
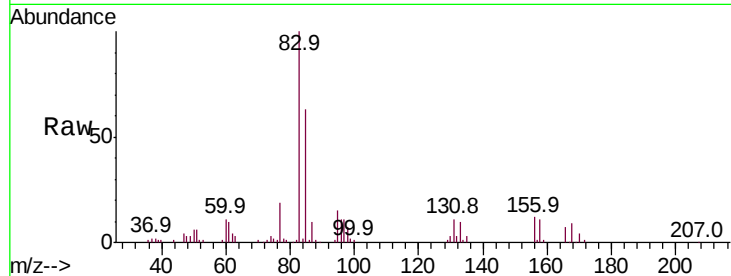
ClientSampleId :

VN0528MBS01

Tot Ion:	83	Resp:	95763
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.0	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.739 ug/l m

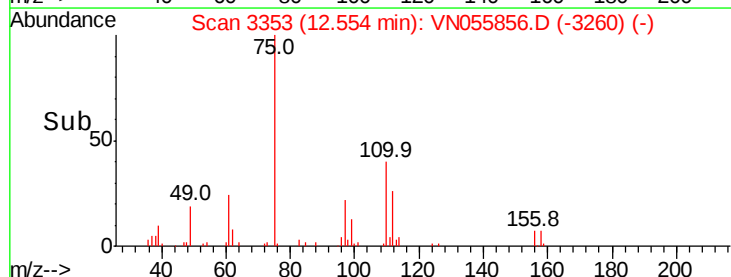
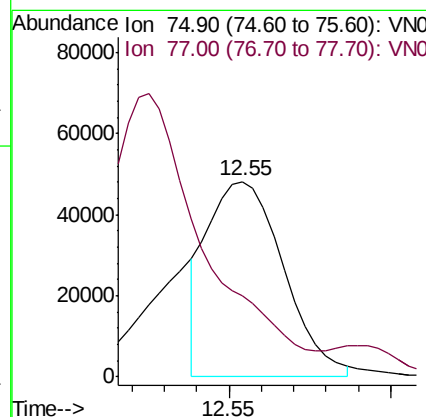
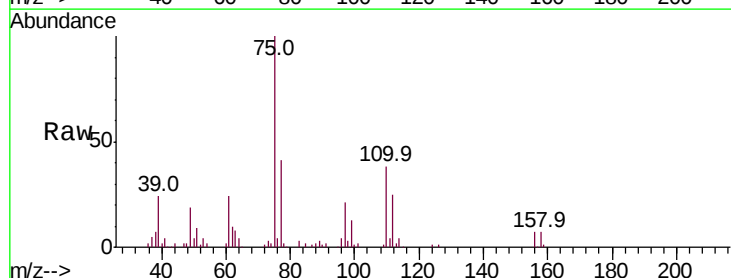
RT: 12.55 min Scan# 3353

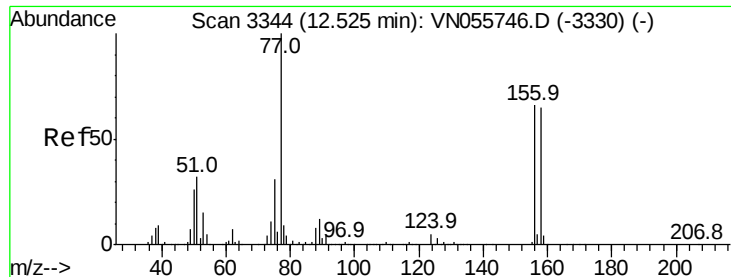
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	75	Resp:	79331
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.219 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion:156 Resp: 85298

Ion Ratio Lower Upper

156 100

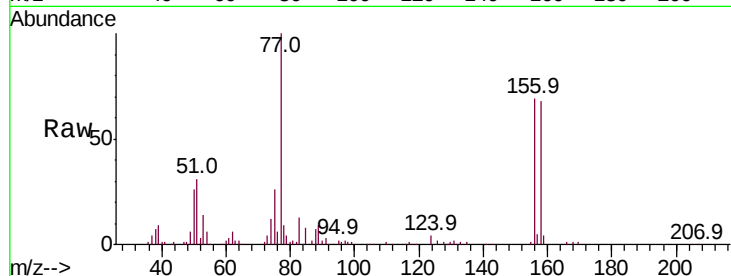
77 174.9 90.8 272.5

158 97.5 49.3 147.8

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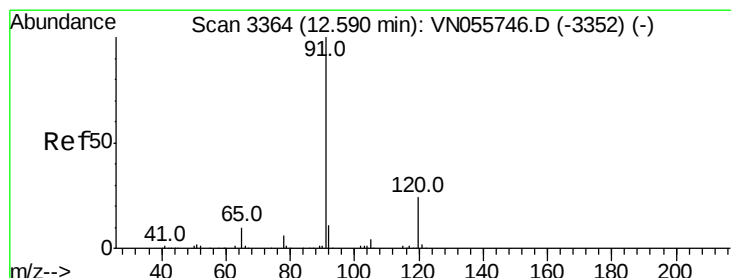
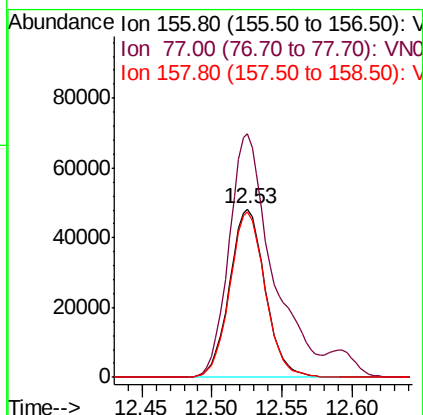
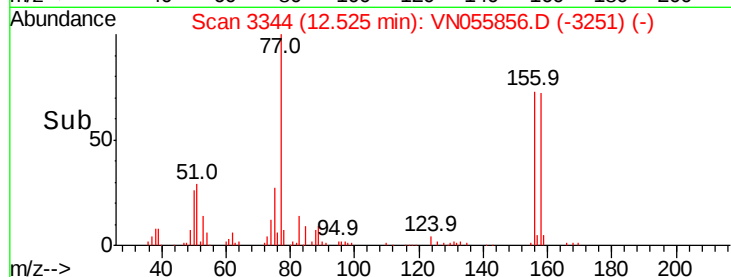
5/29/2019 9:53:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.203 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055856.D

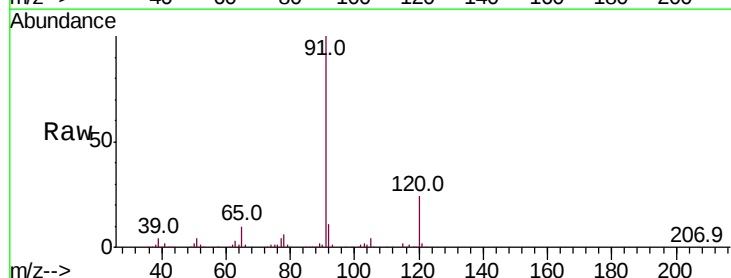
Acq: 28 May 2019 16:37

Tgt Ion: 91 Resp: 330796

Ion Ratio Lower Upper

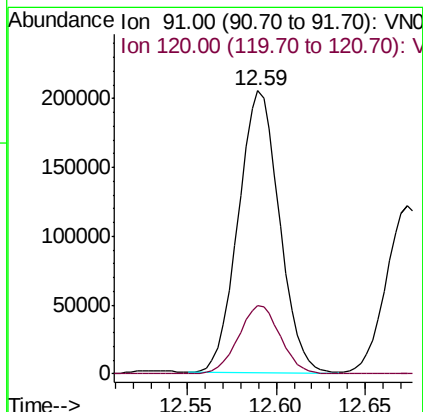
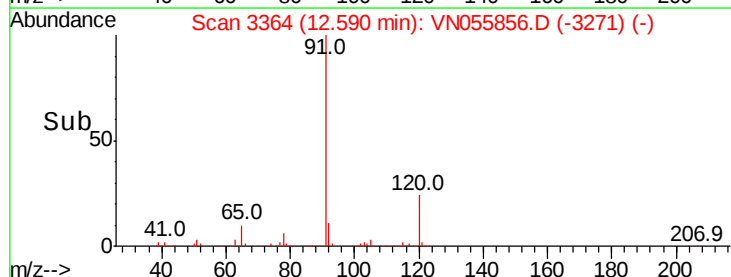
91 100

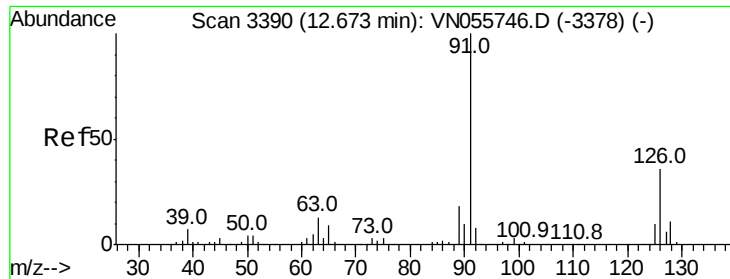
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.820 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 91 Resp: 205111

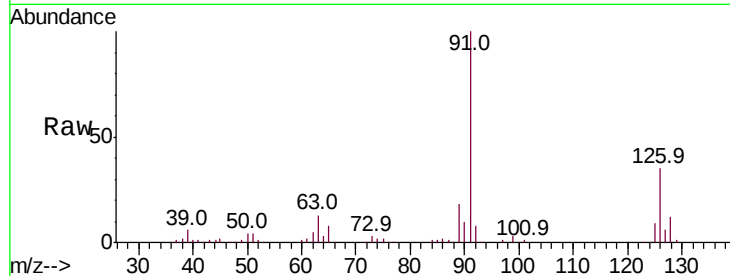
Ion Ratio Lower Upper

91 100

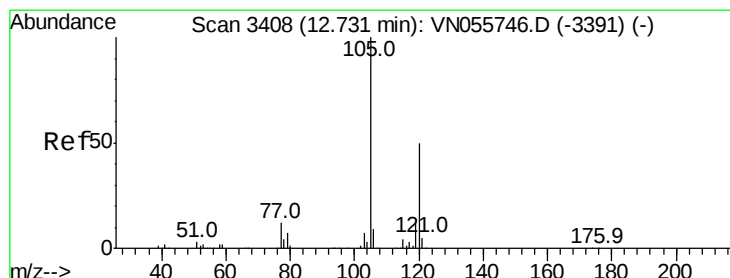
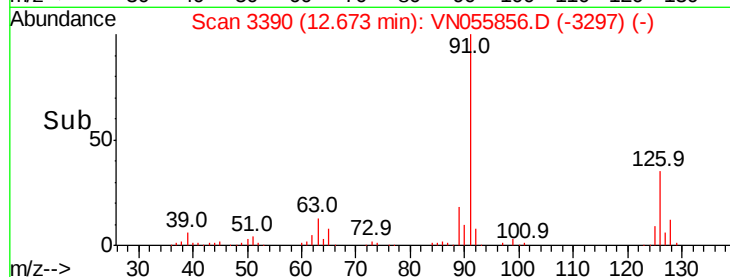
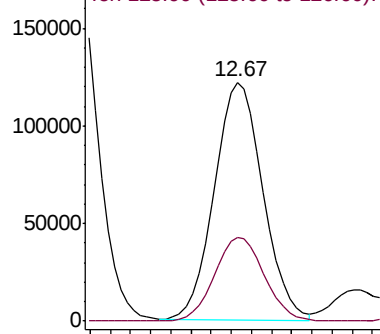
126 36.1 18.1 54.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.605 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055856.D

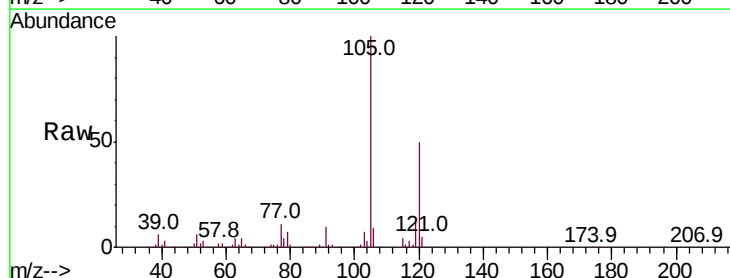
Acq: 28 May 2019 16:37

Tgt Ion: 105 Resp: 260095

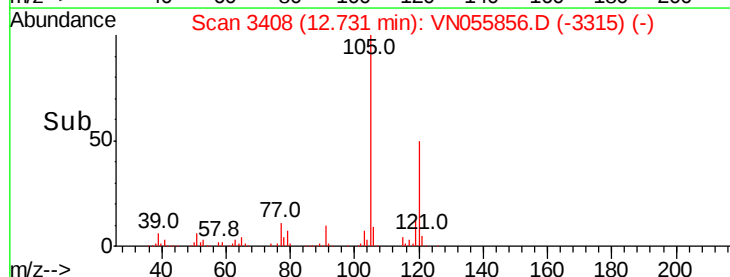
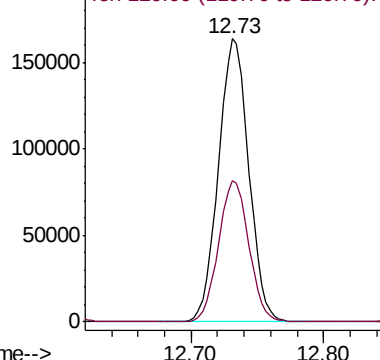
Ion Ratio Lower Upper

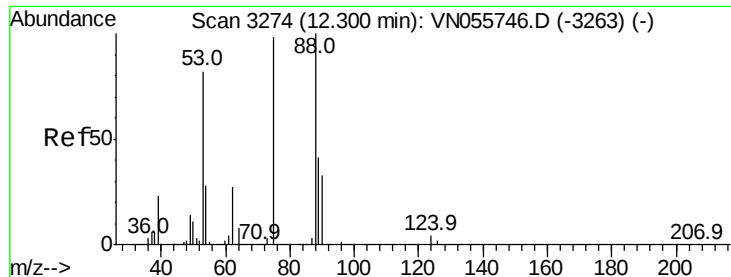
105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.493 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 75 Resp: 24492

Ion Ratio Lower Upper

75 100

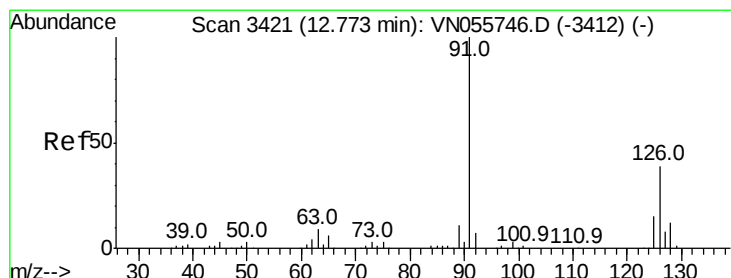
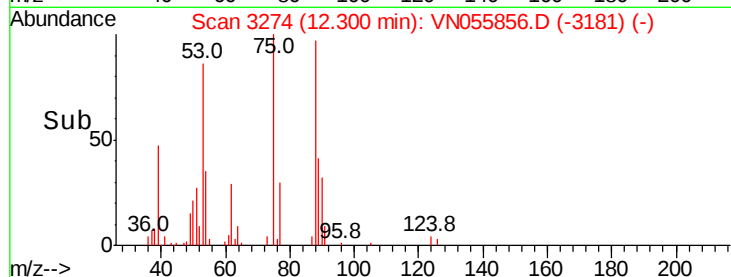
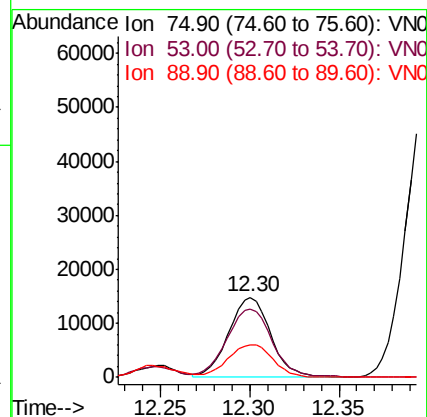
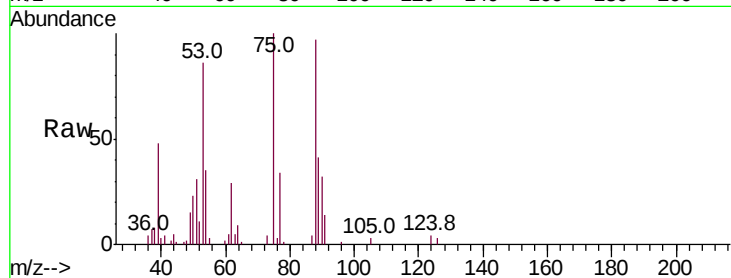
53 92.5 68.1 102.1

89 43.5 36.9 55.3

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#82

4-Chlorotoluene

Concen: 19.915 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055856.D

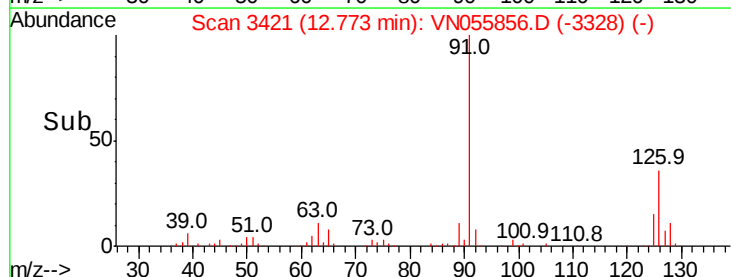
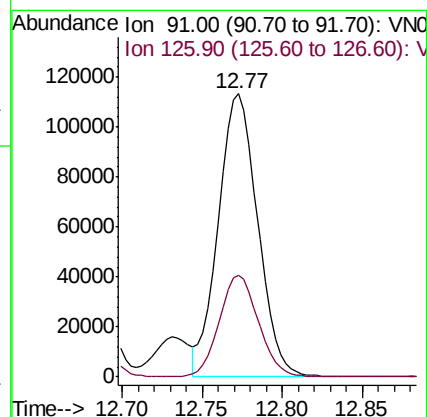
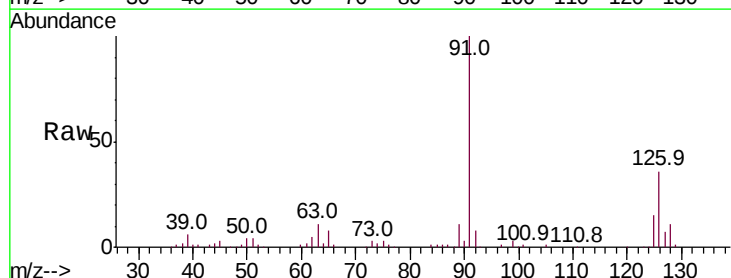
Acq: 28 May 2019 16:37

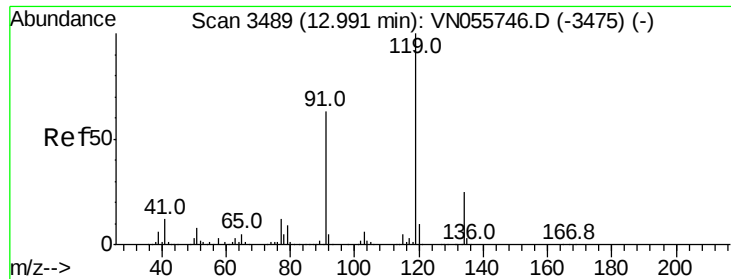
Tgt Ion: 91 Resp: 191678

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3





#83

tert-Butylbenzene

Concen: 22.341 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

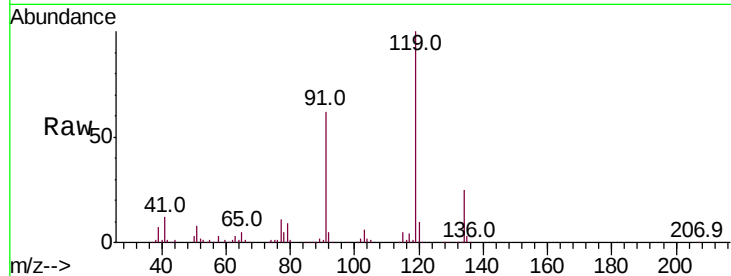
ClientSampleId :

VN0528MBS01

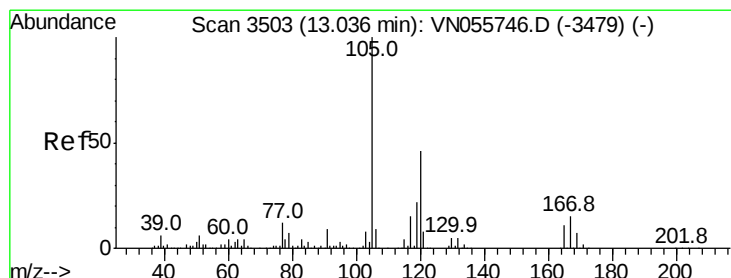
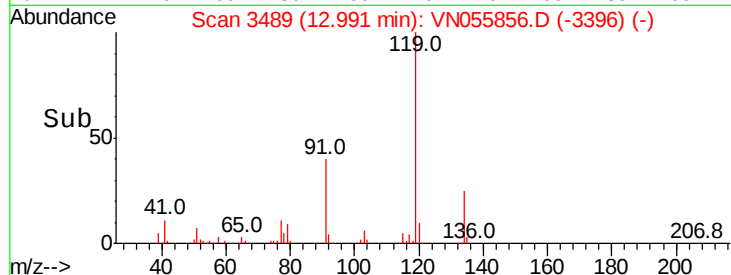
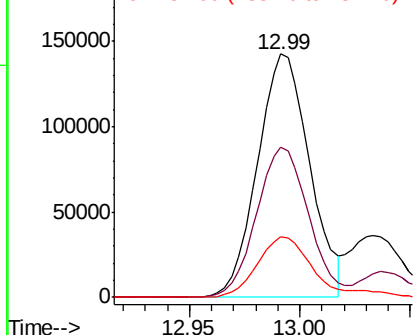
Tot Ion:	119	Resp:	234147
Ion Ratio	Lower	Upper	
119	100		
91	61.5	30.9	92.8
134	27.0	13.3	39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.400 ug/l

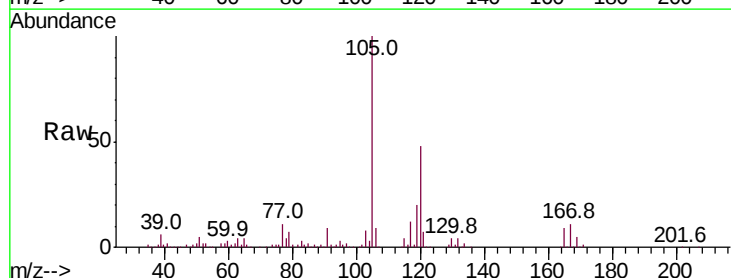
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

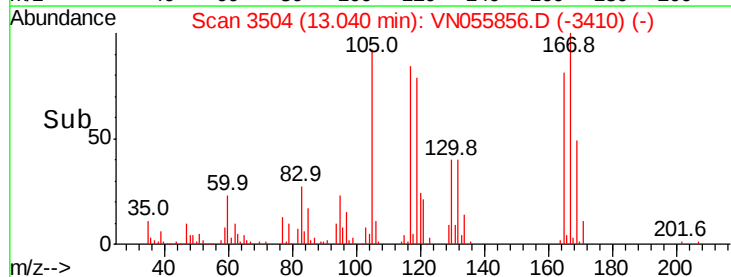
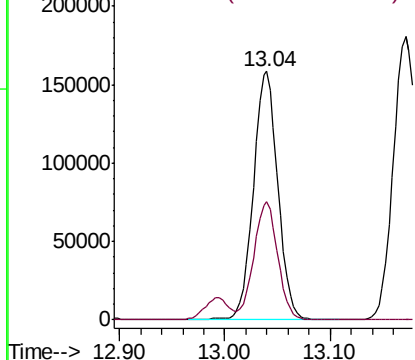
Lab File: VN055856.D

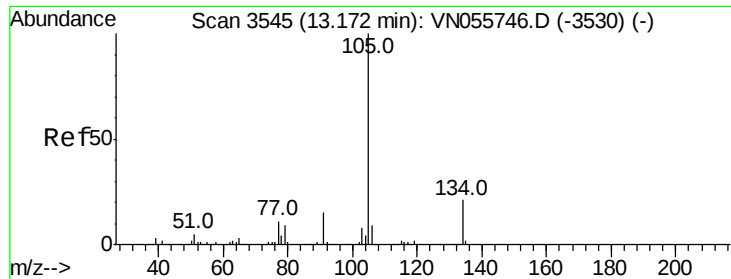
Acq: 28 May 2019 16:37

Tgt Ion:	105	Resp:	256071
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.709 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion:105 Resp: 292257

Ion Ratio Lower Upper

105 100

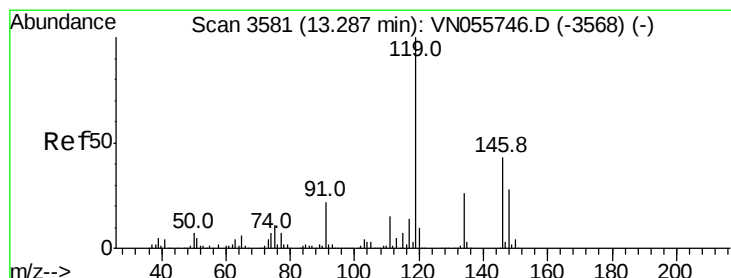
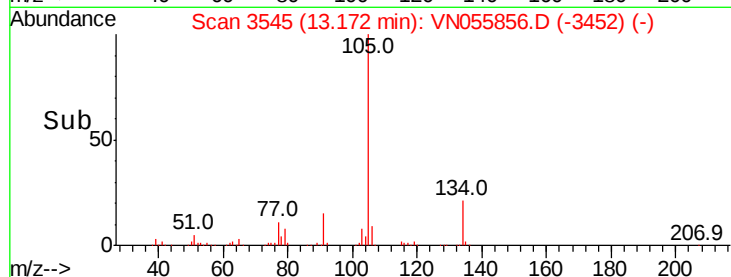
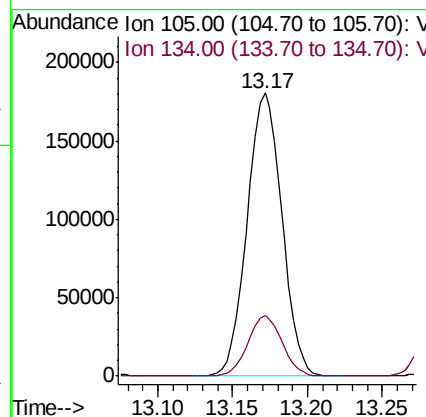
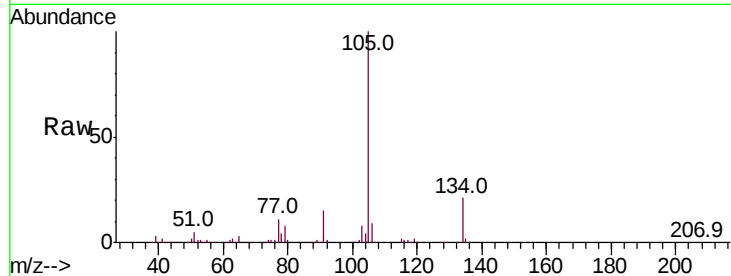
134 21.1 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.108 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

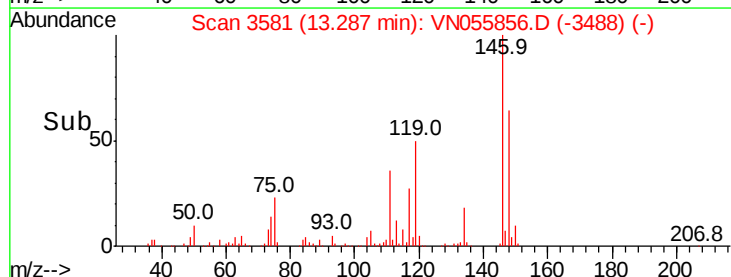
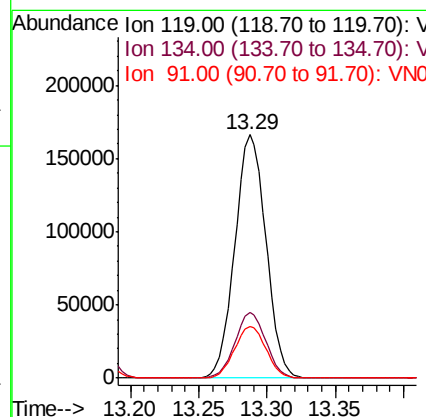
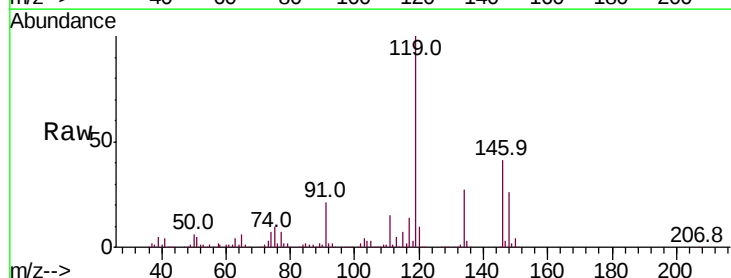
Tgt Ion:119 Resp: 263073

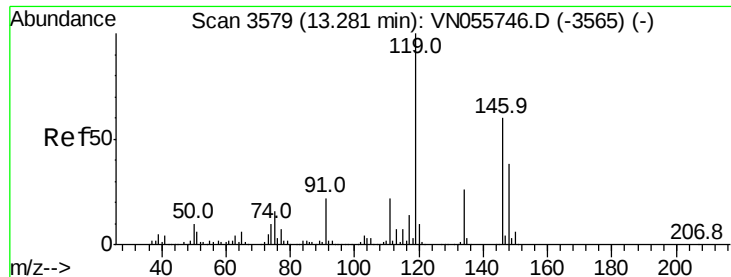
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.7 10.9 32.9





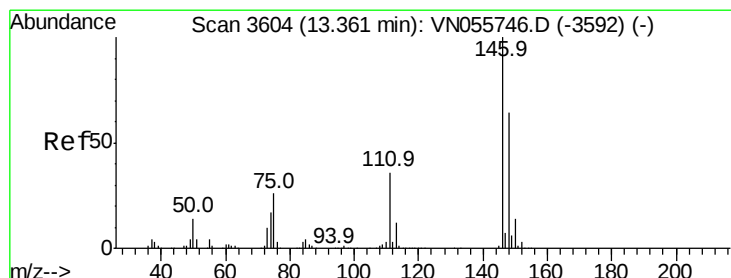
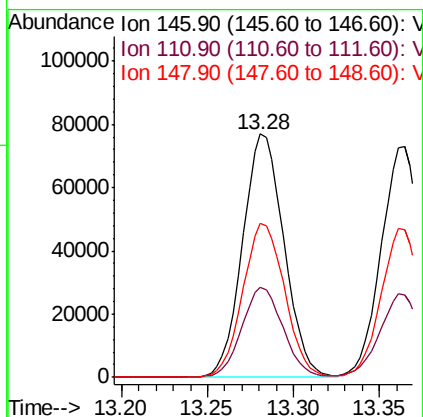
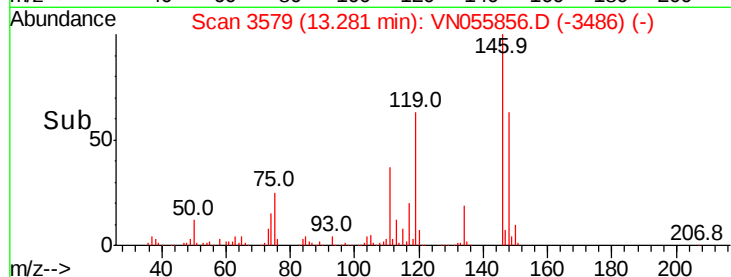
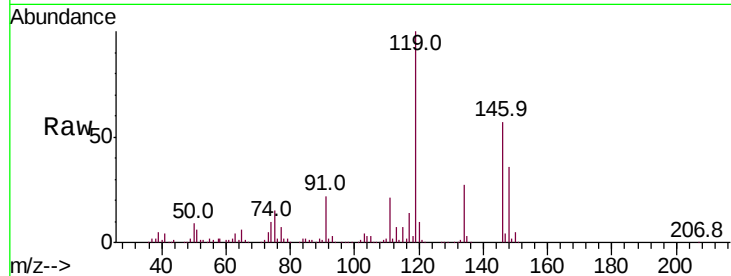
#87
 1,3-Dichlorobenzene
 Concen: 20.210 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.5	55.5
148	63.9	32.0	96.2

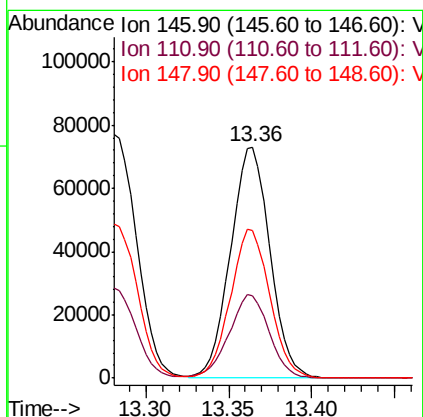
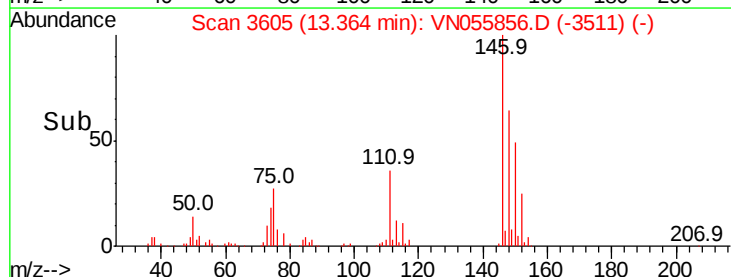
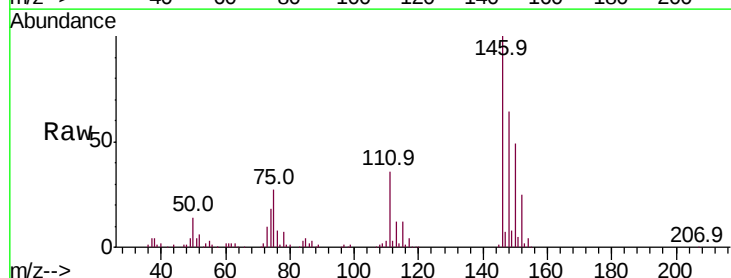
Manual Integrations
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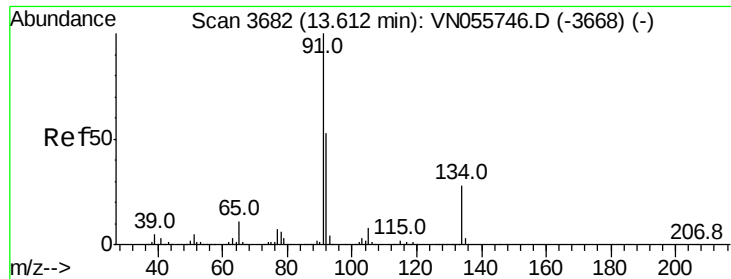
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 5/29/2019 9:53:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.007 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	64.5	32.1	96.5





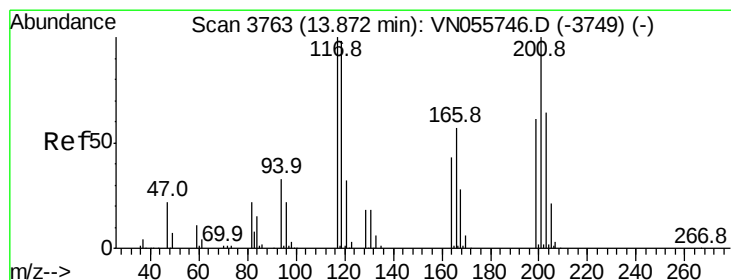
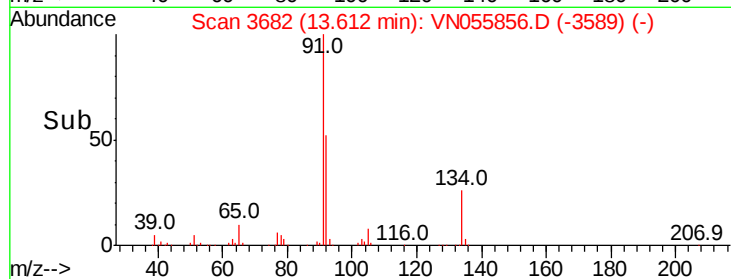
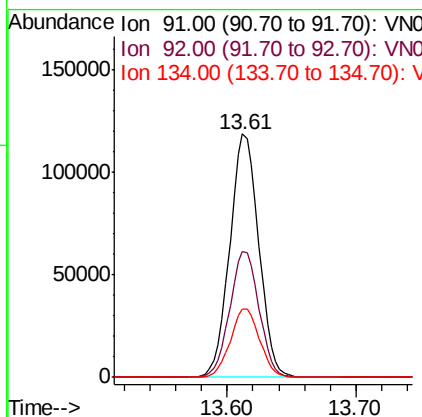
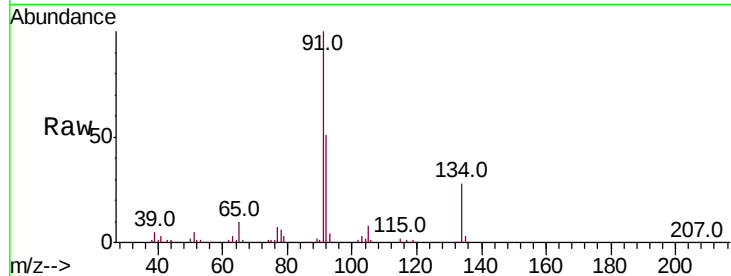
#89
n-Butylbenzene
Concen: 18.442 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.0
134	28.3	13.9	41.7

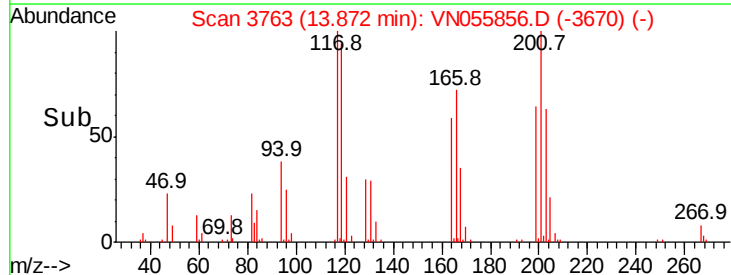
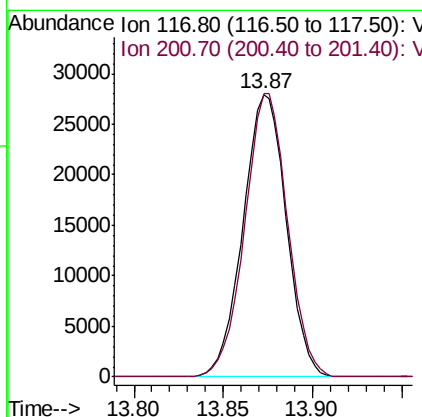
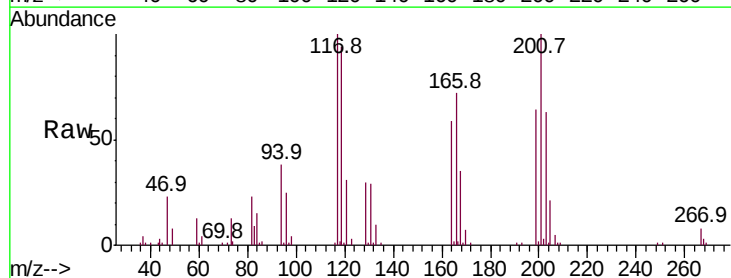
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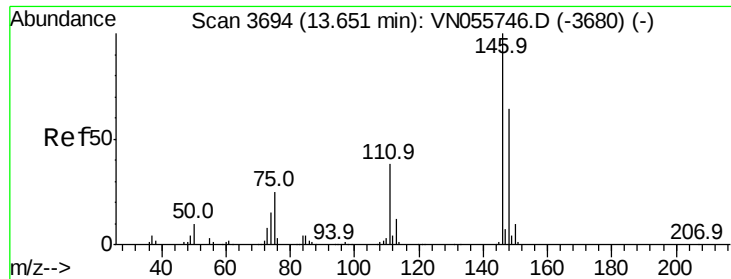
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5/29/2019 9:53:31 AM



#90
Hexachloroethane
Concen: 18.978 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.6	50.0	150.0





#91

1,2-Dichlorobenzene

Concen: 20.483 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

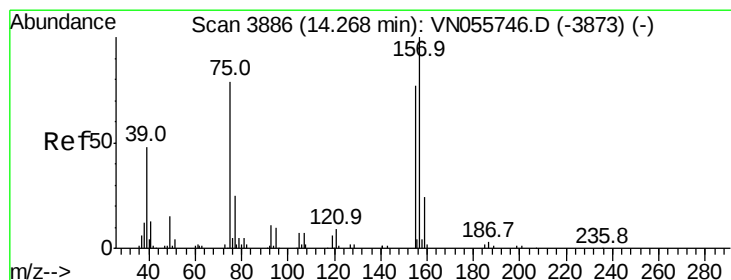
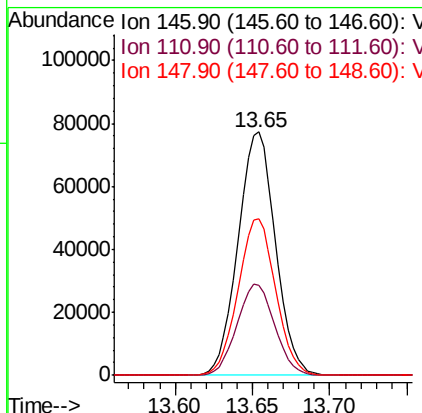
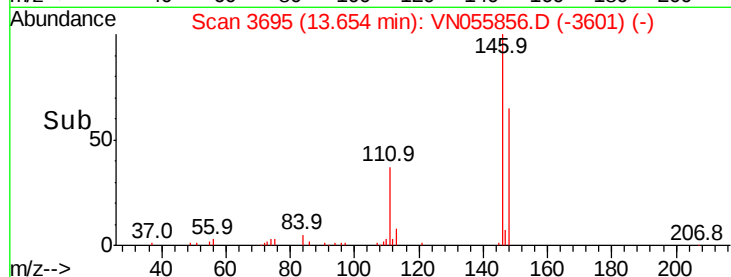
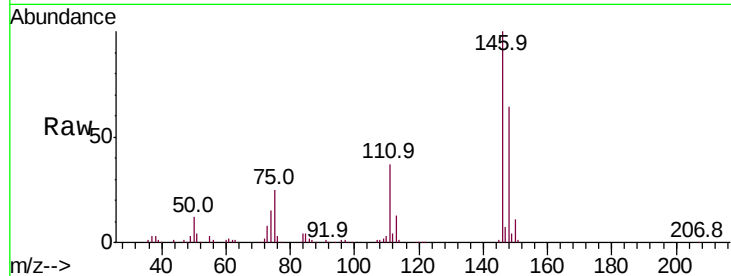
ClientSampled :

VN0528MBS01

Tot Ion:	146	Resp:	130081
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.1	57.5
148	64.4	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.720 ug/l

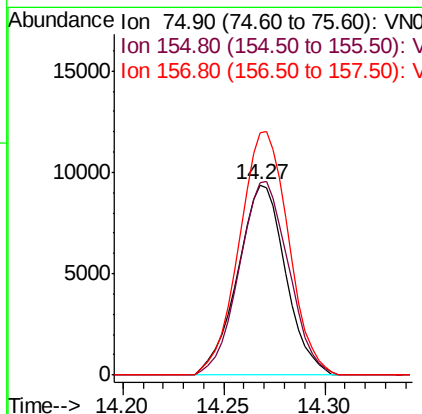
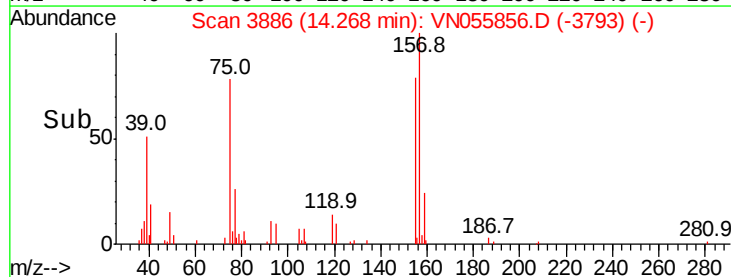
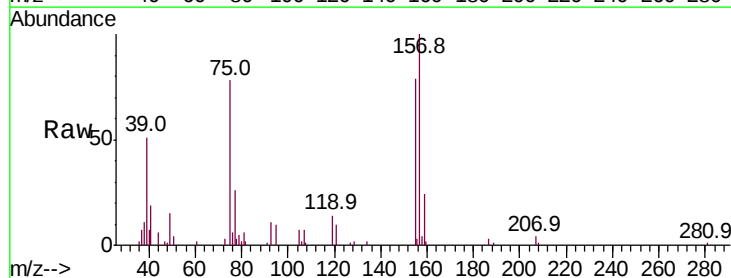
RT: 14.27 min Scan# 3886

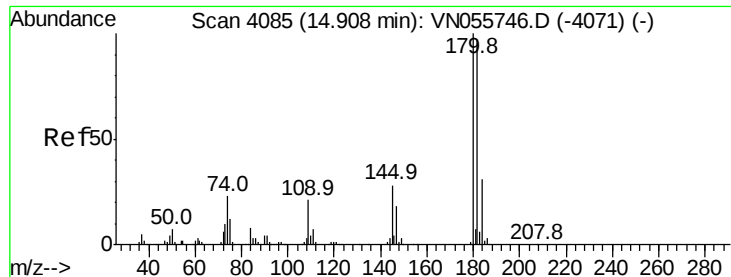
Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	75	Resp:	15626
Ion Ratio	Lower	Upper	
75	100		
155	104.5	50.0	150.1
157	131.5	64.8	194.3





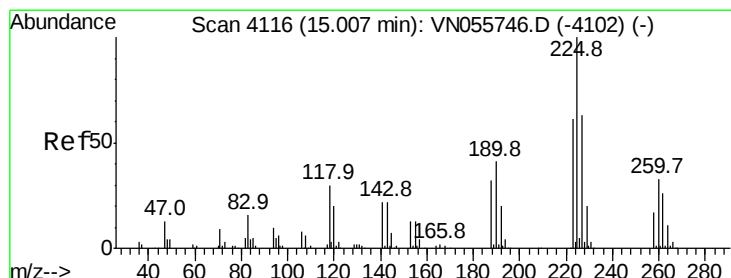
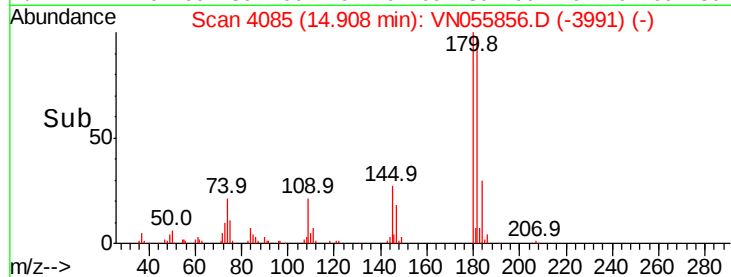
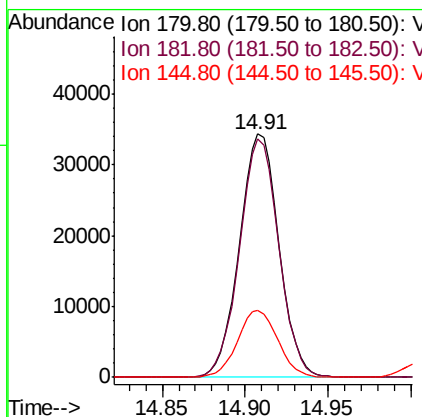
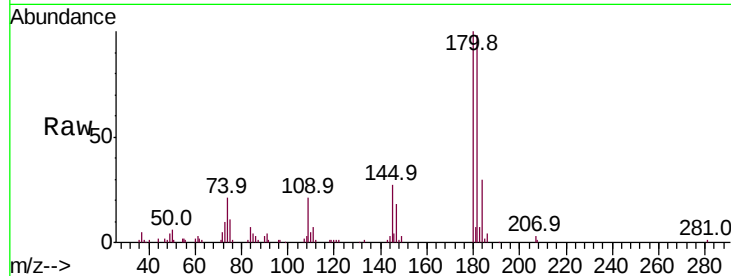
#93
 1,2,4-Trichlorobenzene
 Concen: 18.073 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.5	48.3	144.9	
145	27.9	14.0	41.9	

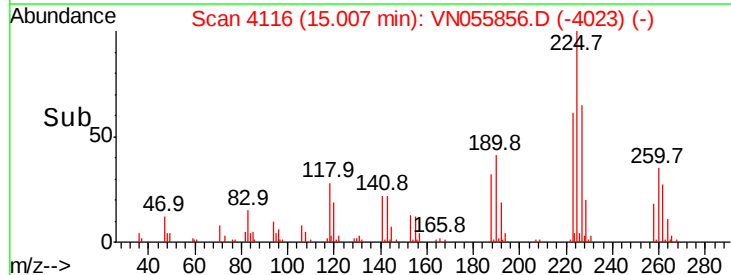
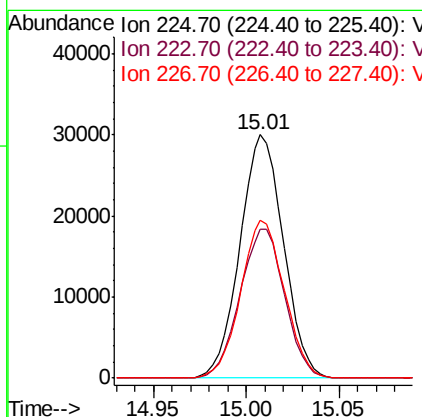
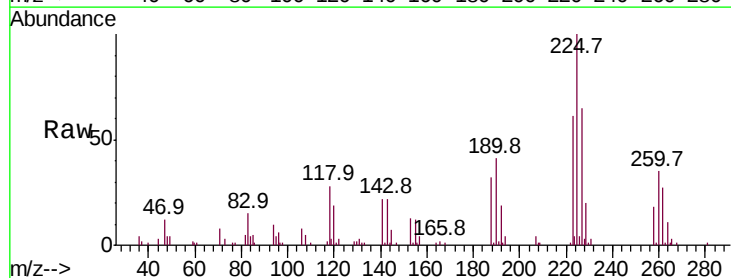
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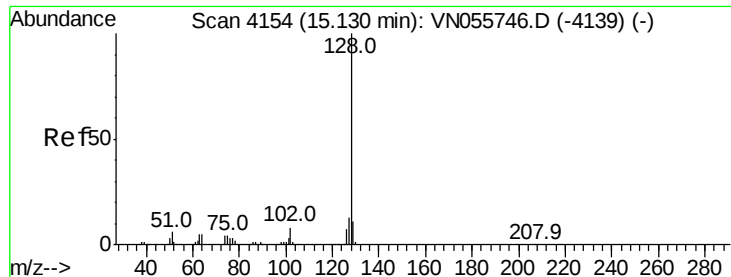
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 5/29/2019 9:53:31 AM



#94
 Hexachlorobutadiene
 Concen: 20.752 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	30.9	92.7	
227	64.9	31.6	94.7	





#95

Naphthalene

Concen: 18.217 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

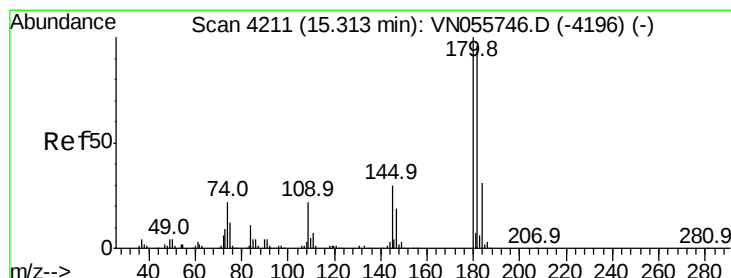
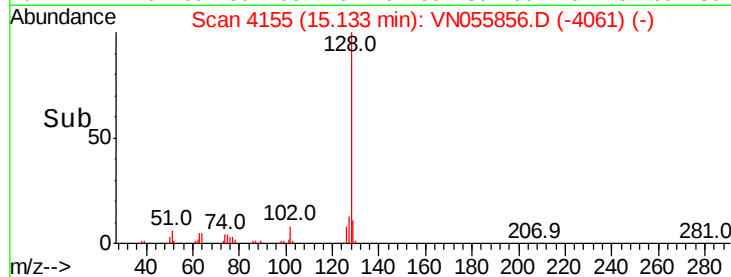
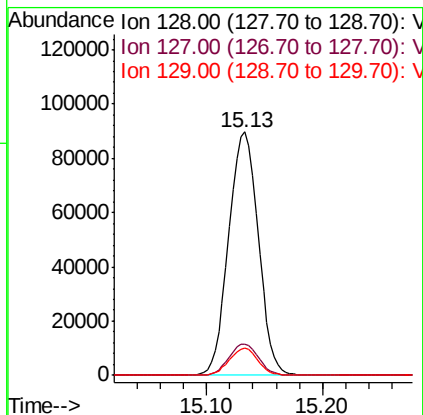
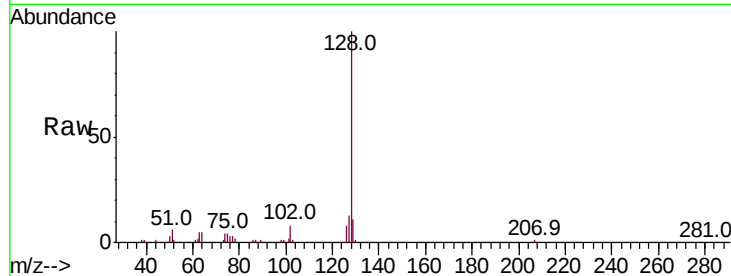
ClientSampleId :

VN0528MBS01

Tot Ion:	128	Resp:	158757
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.148 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:	180	Resp:	64281
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.7
145	29.0	14.9	44.7

