

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055847.D
 Acq On : 28 May 2019 12:51
 Operator : JC/SP
 Sample : VN0528WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:09:48 AM

Quant Time: May 29 10:20:24 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	361043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190300	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	168323	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	641774	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	209452	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	45066	18.547	ug/l	100
3) Chloromethane	2.06	50	62619	18.393	ug/l	100
4) Vinyl Chloride	2.18	62	69086	19.026	ug/l	100
5) Bromomethane	2.54	94	49593	21.831	ug/l	99
6) Chloroethane	2.69	64	44441	20.328	ug/l	96
7) Trichlorofluoromethane	3.01	101	92797	19.493	ug/l	100
8) Diethyl Ether	3.40	74	42183	19.770	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58953	19.838	ug/l	99
10) Methyl Iodide	3.94	142	89353	20.566	ug/l	98
11) Tert butyl alcohol	4.81	59	68862	96.661	ug/l	98
12) 1,1-Dichloroethene	3.72	96	60257	19.624	ug/l	96
13) Acrolein	3.60	56	45794	89.773	ug/l	96
14) Allyl chloride	4.31	41	98157	18.647	ug/l	99
15) Acrylonitrile	4.99	53	167697	102.513	ug/l	99
16) Acetone	3.82	43	143253	87.403	ug/l	99
17) Carbon Disulfide	4.04	76	150589	17.262	ug/l	98
18) Methyl Acetate	4.33	43	72903	21.150	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	203021	19.825	ug/l	100
20) Methylene Chloride	4.54	84	70524	19.869	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64539	19.564	ug/l	97
22) Diisopropyl ether	5.95	45	202187	19.749	ug/l	95
23) Vinyl Acetate	5.90	43	853399	97.221	ug/l	100
24) 1,1-Dichloroethane	5.84	63	115058	19.302	ug/l	98
25) 2-Butanone	6.84	43	221969	96.973	ug/l	100
26) 2,2-Dichloropropane	6.82	77	88898	17.232	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76645	19.915	ug/l	98
28) Bromochloromethane	7.19	49	57678	20.323	ug/l	97
29) Tetrahydrofuran	7.22	42	144844	99.923	ug/l	99
30) Chloroform	7.37	83	119122	20.038	ug/l	98
31) Cyclohexane	7.65	56	107799	19.262	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	103528	19.516	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84298	18.584	ug/l	98
37) Ethyl Acetate	6.93	43	91123	20.785	ug/l	98
38) Carbon Tetrachloride	7.77	117	93311	19.749	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106927	19.036	ug/l	99
40) Benzene	8.04	78	274604	20.087	ug/l	100
41) Methacrylonitrile	7.18	41	41191	18.598	ug/l	97
42) 1,2-Dichloroethane	8.12	62	90237	20.201	ug/l	99
43) Isopropyl Acetate	8.17	43	143192	19.440	ug/l #	91
44) Trichloroethene	8.83	130	76882	20.173	ug/l	98
45) 1,2-Dichloropropane	9.12	63	70992	19.932	ug/l	98
46) Dibromomethane	9.21	93	47585	20.372	ug/l	96
47) Bromodichloromethane	9.40	83	92315	19.274	ug/l	100
48) Methyl methacrylate	9.20	41	68199	20.089	ug/l	98
49) 1,4-Dioxane	9.21	88	29031	411.517	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	443302	101.901	ug/l	100
52) Toluene	10.16	92	174372	20.281	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95103	18.601	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	107664	19.009	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70026	20.330	ug/l	99
56) Ethyl methacrylate	10.43	69	105077	19.739	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113204	20.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	186395	91.626	ug/l	100
59) 2-Hexanone	10.75	43	300583	97.397	ug/l	100
60) Dibromochloromethane	10.90	129	77382	19.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74497	20.852	ug/l	99
64) Tetrachloroethene	10.63	164	80821	20.652	ug/l	98
65) Chlorobenzene	11.43	112	187366	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72387	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	326409	19.595	ug/l	98
68) m/p-Xylenes	11.62	106	248361	39.439	ug/l	99
69) o-Xylene	11.95	106	125241	20.046	ug/l	99
70) Styrene	11.96	104	198798	19.648	ug/l	100
71) Bromoform	12.13	173	58043	18.368	ug/l #	98
73) Isopropylbenzene	12.25	105	326748	22.369	ug/l	100
74) N-amyl acetate	12.07	43	111494	20.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96991	22.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79473m	22.207	ug/l	
77) Bromobenzene	12.53	156	86078	20.938	ug/l	96
78) n-propylbenzene	12.59	91	331448	19.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	207569	21.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	263150	21.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25779	18.004	ug/l	96
82) 4-Chlorotoluene	12.77	91	194378	19.748	ug/l	100
83) tert-Butylbenzene	12.99	119	238148	22.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261492	21.365	ug/l	99
85) sec-Butylbenzene	13.17	105	296655	21.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	266292	19.904	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129899	19.955	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	122036	19.718	ug/l	99
89) n-Butylbenzene	13.61	91	189609	18.496	ug/l	99
90) Hexachloroethane	13.87	117	48683	19.117	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	133150	20.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16053	18.806	ug/l	97

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	57959	18.020	ug/l	99
94) Hexachlorobutadiene	15.01	225	49670	20.660	ug/l	98
95) Naphthalene	15.13	128	156969	17.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	64629	18.825	ug/l	99

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

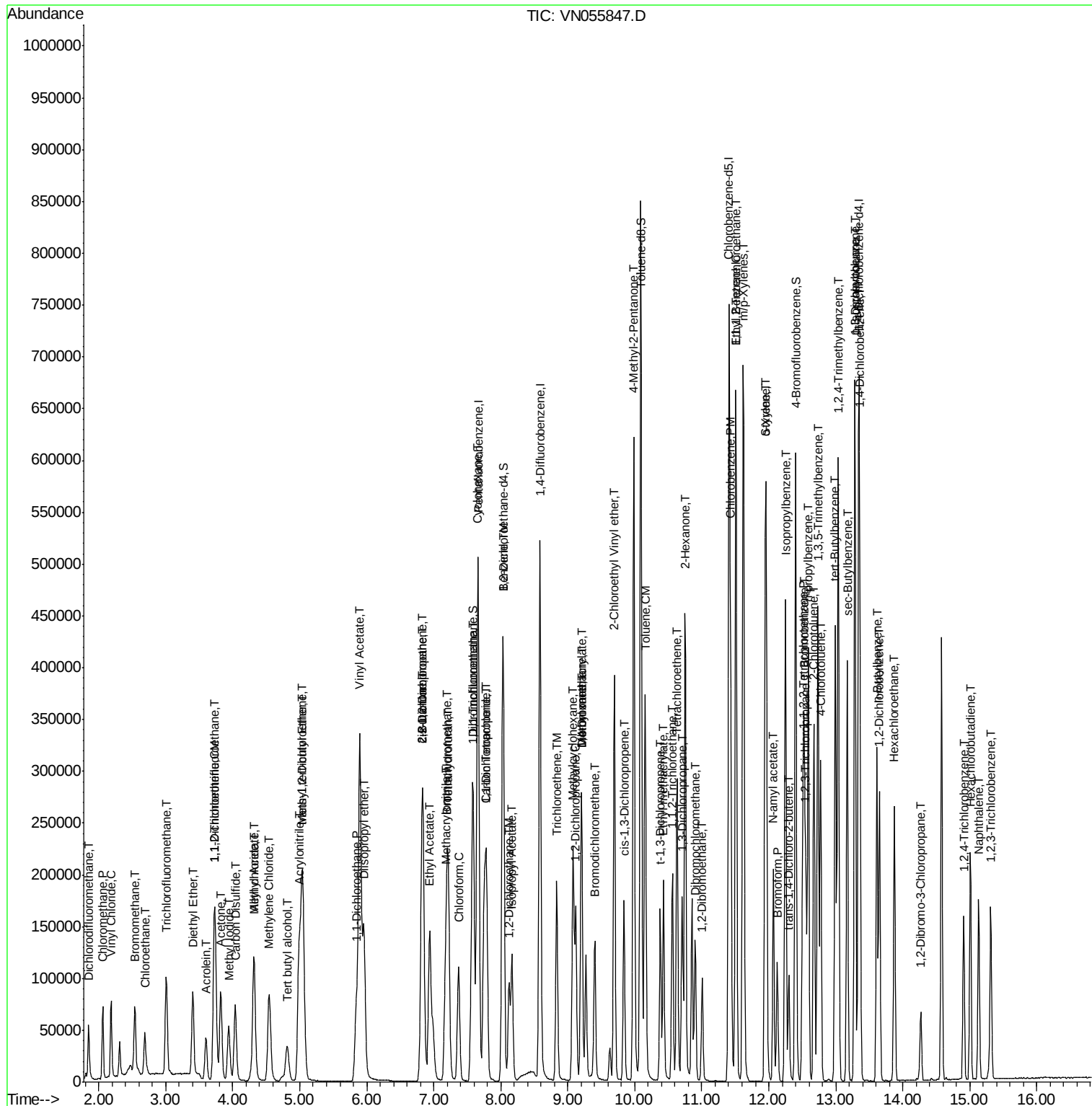
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Data File : VN055847.D
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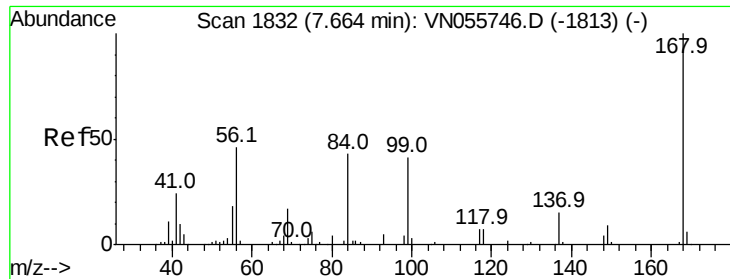
Instrument :
MSVOA_N
Client Sample Id :
VN0528WBS01

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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: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion:168 Resp: 361043

Ion Ratio Lower Upper

168 100

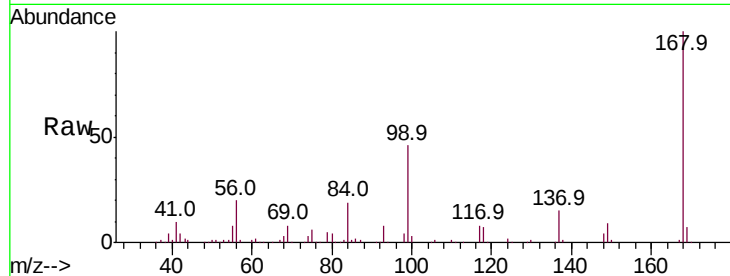
99 45.0 37.2 55.8

Manual Integrations

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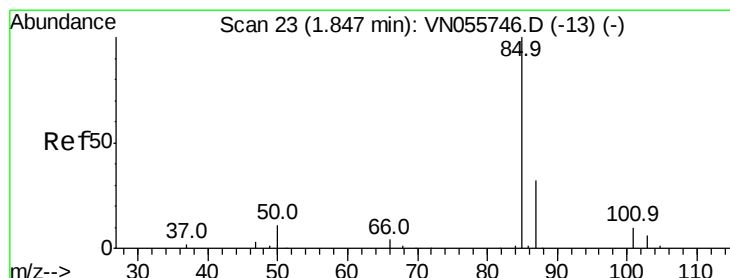
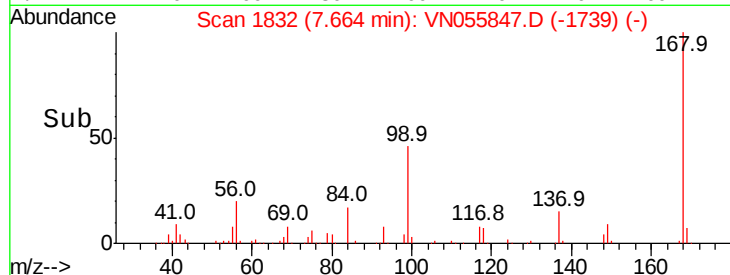
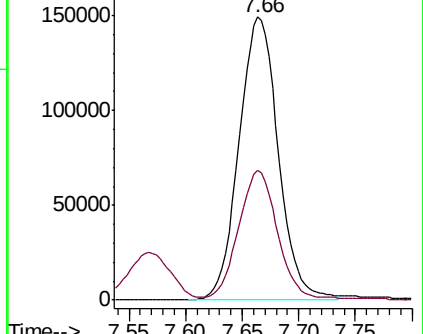
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.547 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055847.D

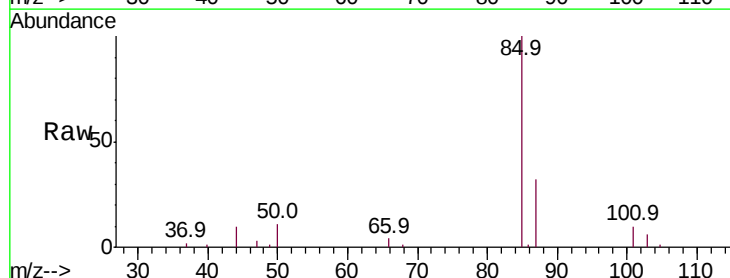
Acq: 28 May 2019 12:51

Tgt Ion: 85 Resp: 45066

Ion Ratio Lower Upper

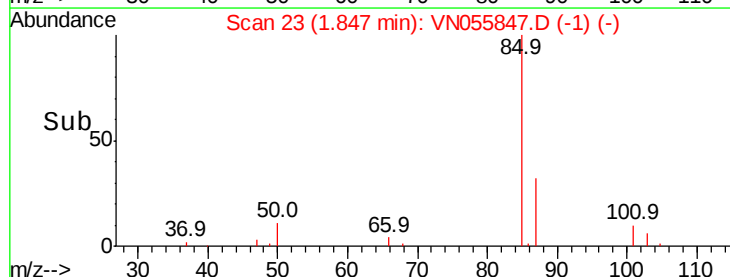
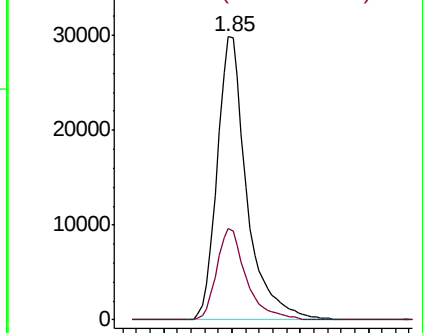
85 100

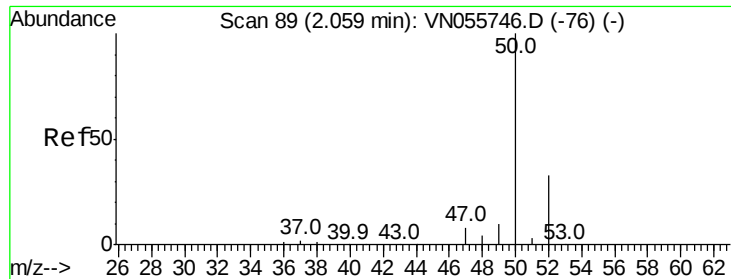
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





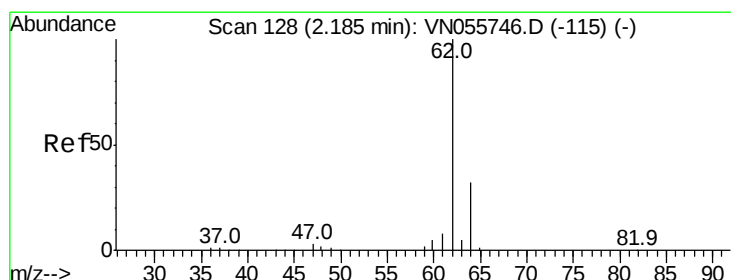
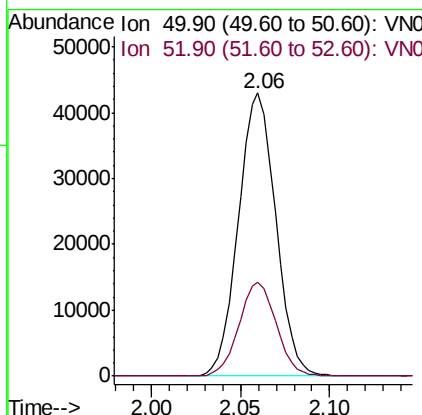
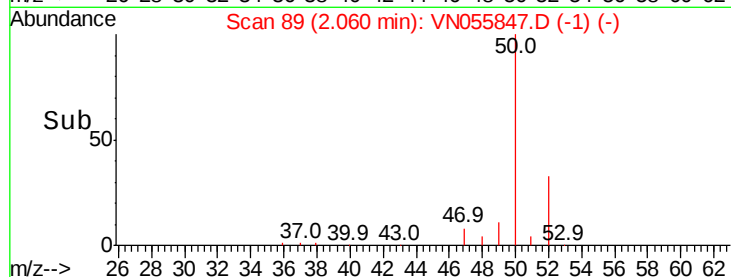
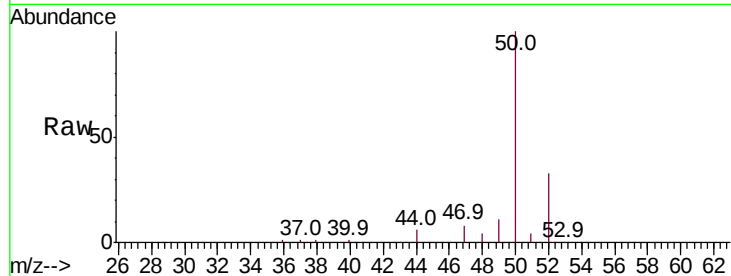
#3
Chloromethane
Concen: 18.393 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

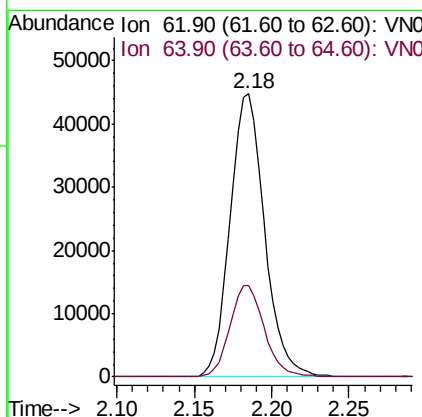
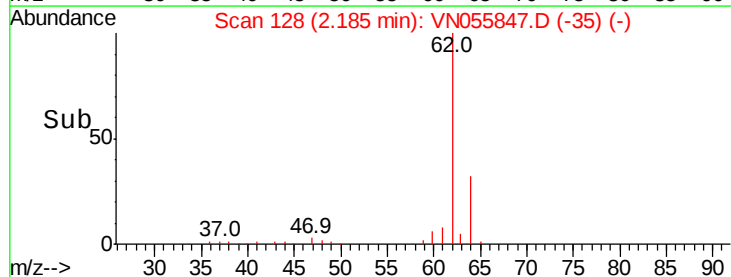
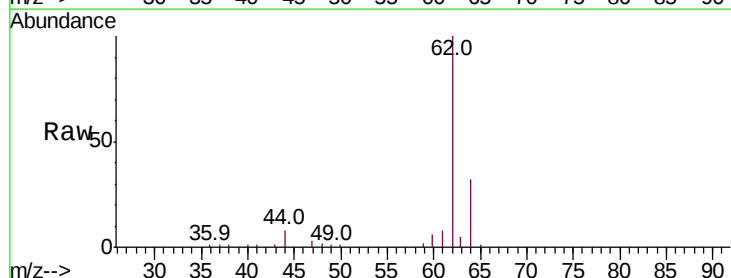
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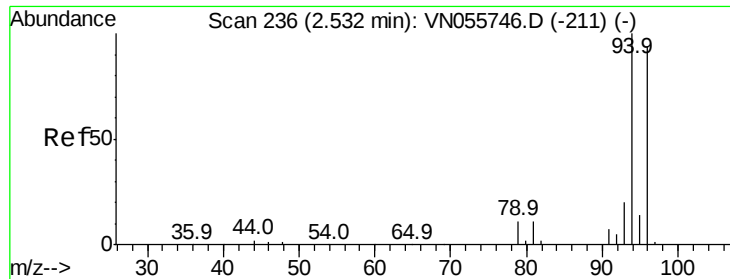
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#4
Vinyl Chloride
Concen: 19.026 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.6	38.4





#5

Bromomethane

Concen: 21.831 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 94 Resp: 49593

Ion Ratio Lower Upper

94 100

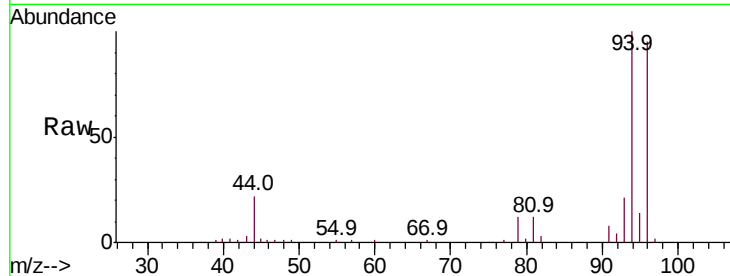
96 95.0 75.5 113.3

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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

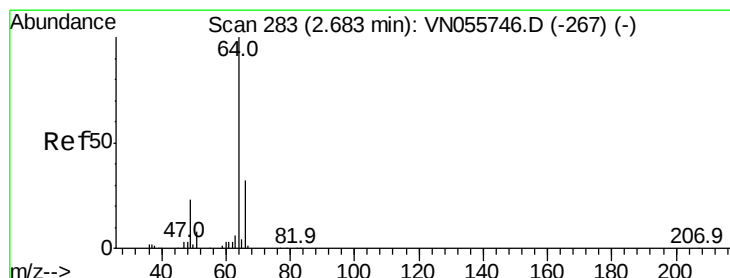
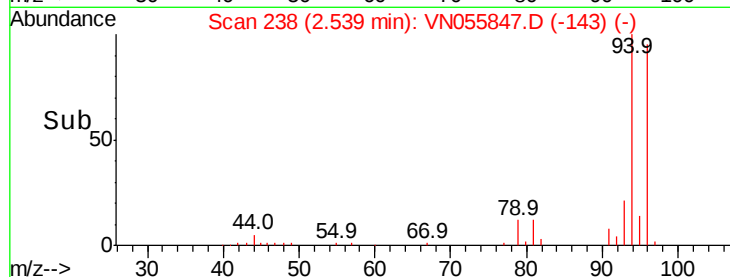
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5000

0

Time-->

2.54



#6

Chloroethane

Concen: 20.328 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055847.D

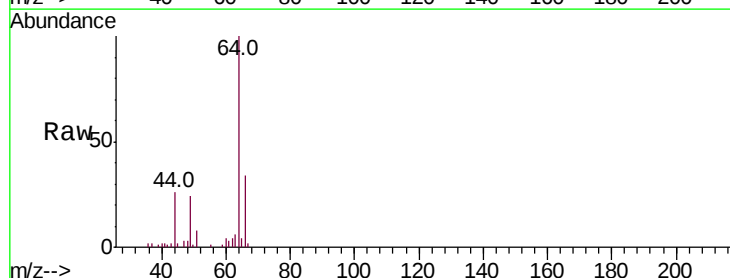
Acq: 28 May 2019 12:51

Tgt Ion: 64 Resp: 44441

Ion Ratio Lower Upper

64 100

66 34.2 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

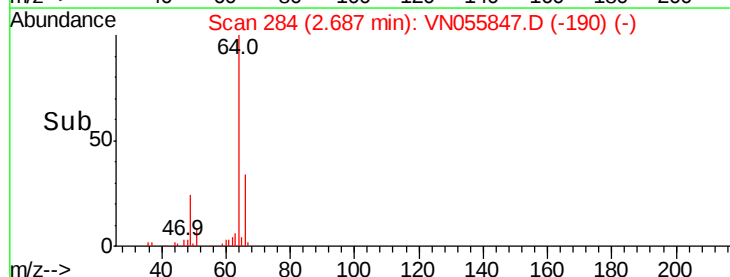
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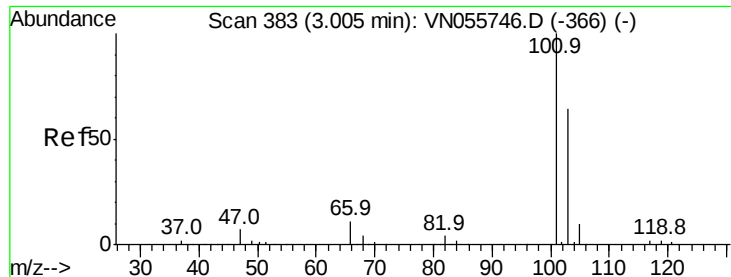
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0

Time-->

2.69





#7

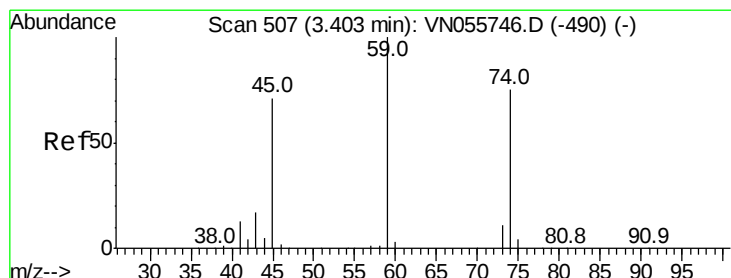
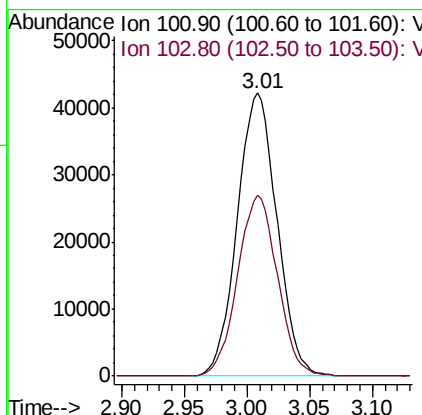
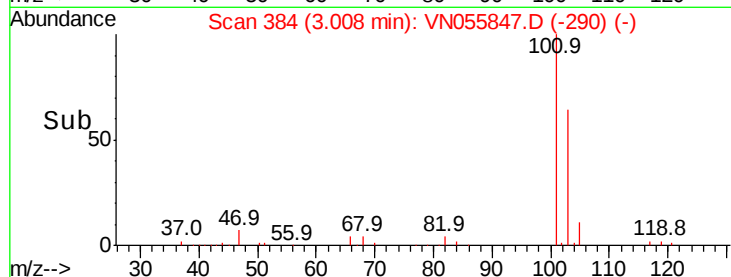
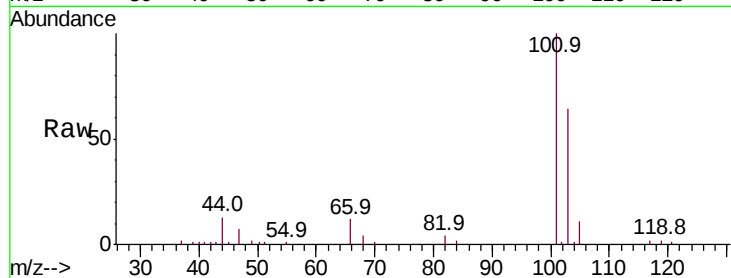
Trichlorofluoromethane
Concen: 19.493 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion:101 Resp: 92797
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

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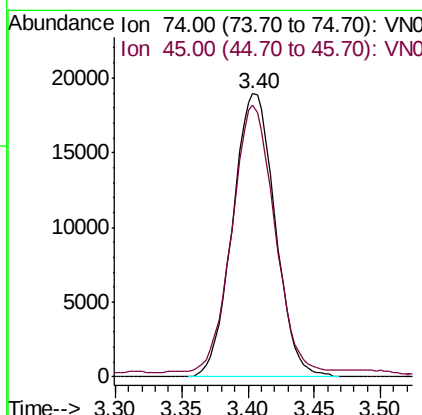
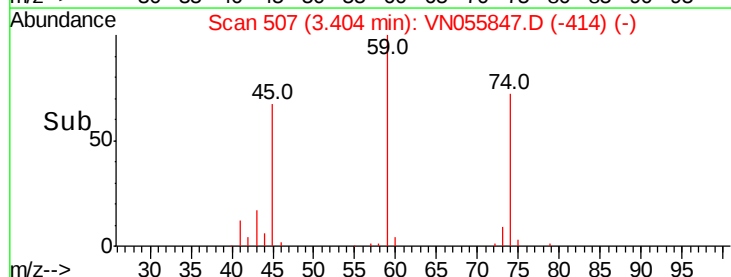
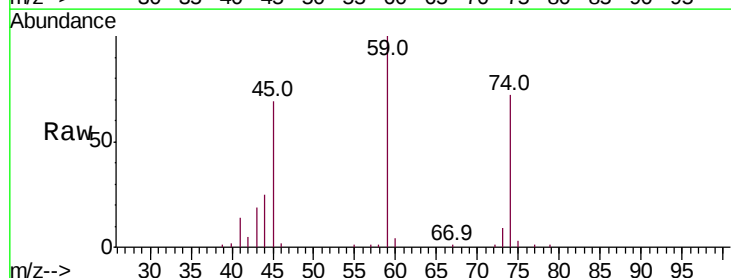
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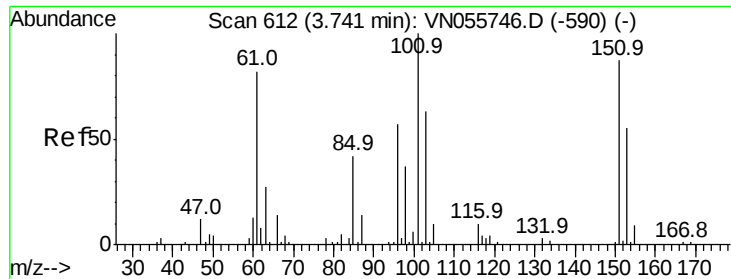


#8

Diethyl Ether
Concen: 19.770 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 74 Resp: 42183
Ion Ratio Lower Upper
74 100
45 93.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.838 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

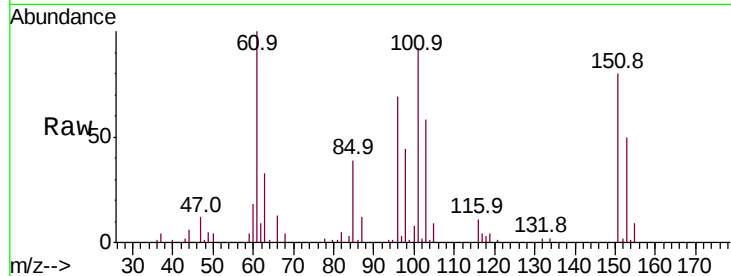
ClientSampleId :

VN0528WBS01

Tot Ion:	101	Resp:	58953
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.2
151	88.1	69.4	104.2

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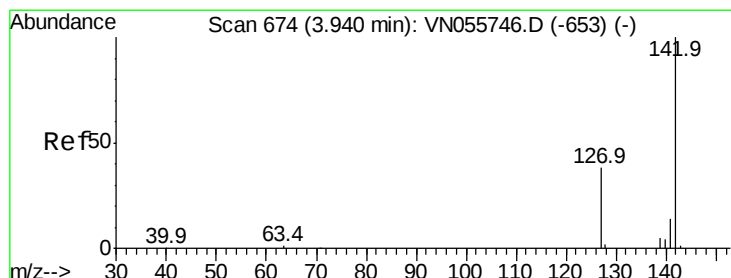
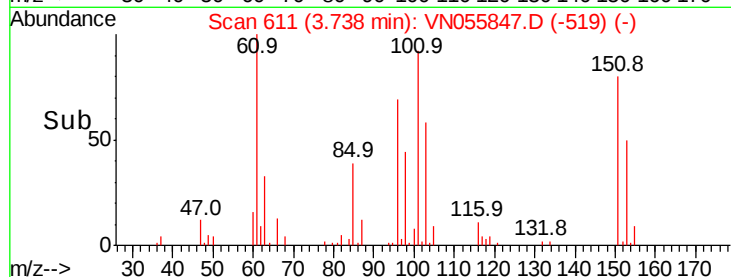
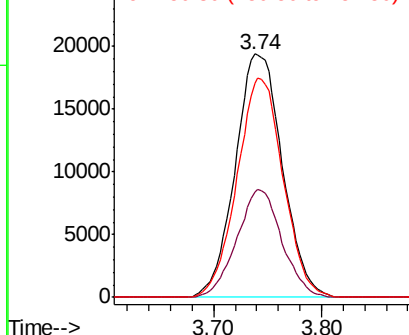


Abundance

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: 20.566 ug/l

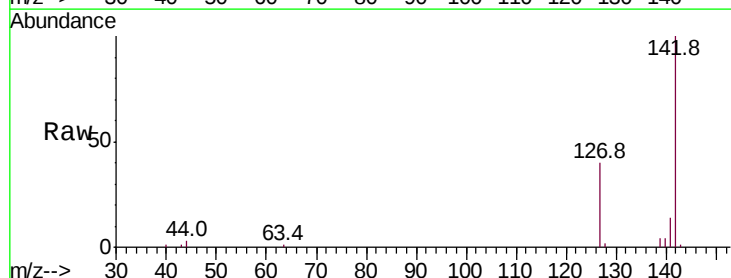
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	142	Resp:	89353
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.0	46.4
141	13.8	11.4	17.0

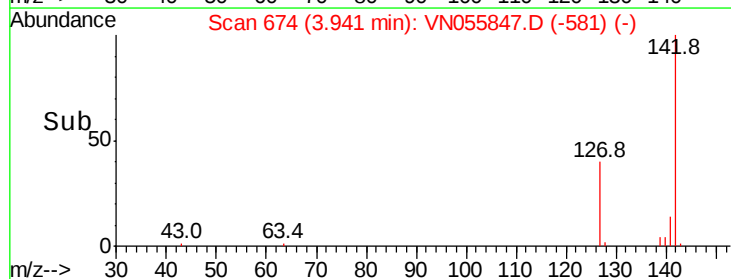
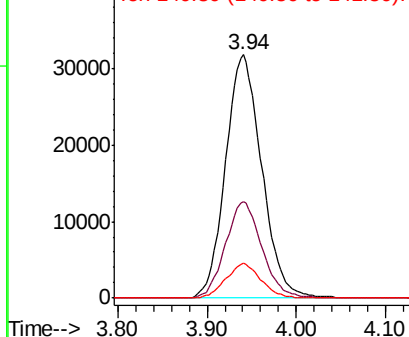


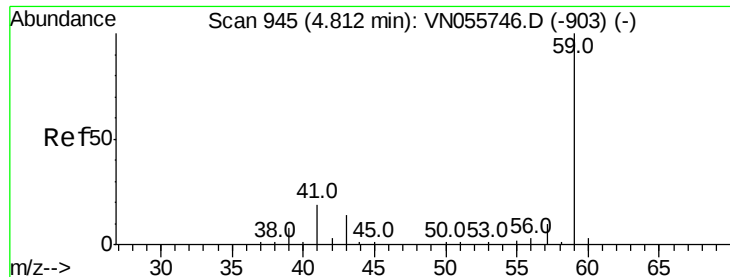
Abundance

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





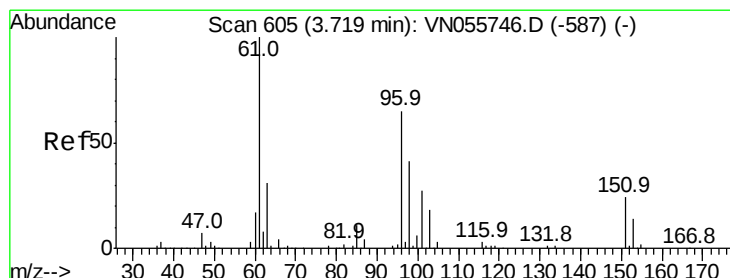
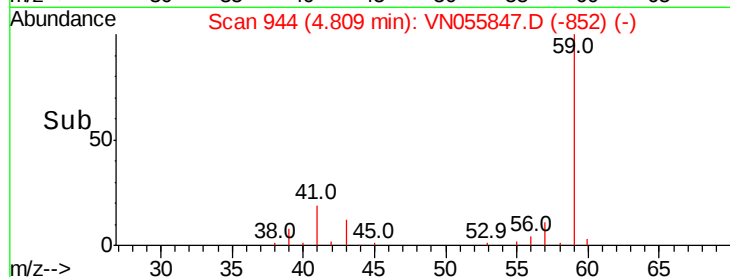
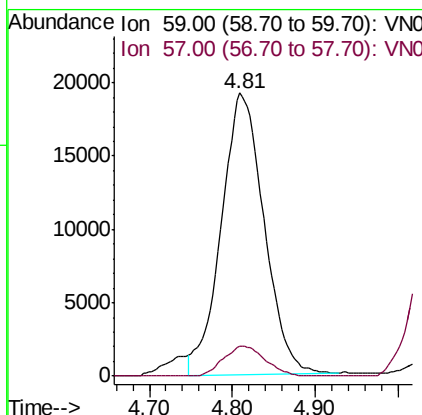
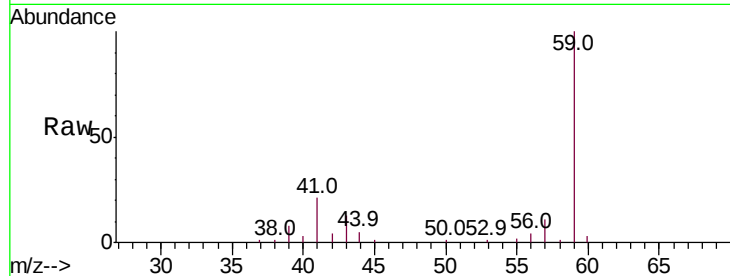
#11
Tert butyl alcohol
Concen: 96.661 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 59 Resp: 68862
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.6

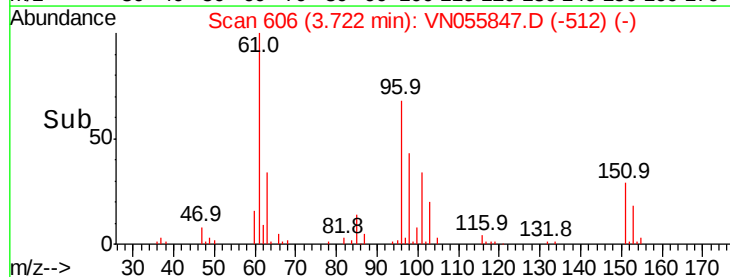
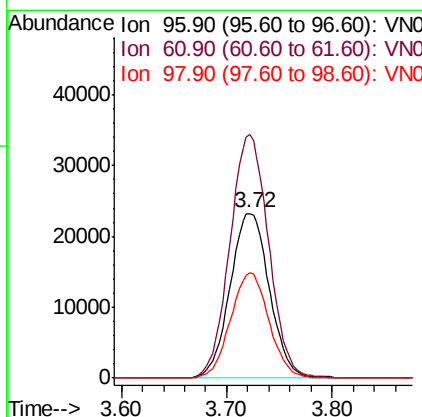
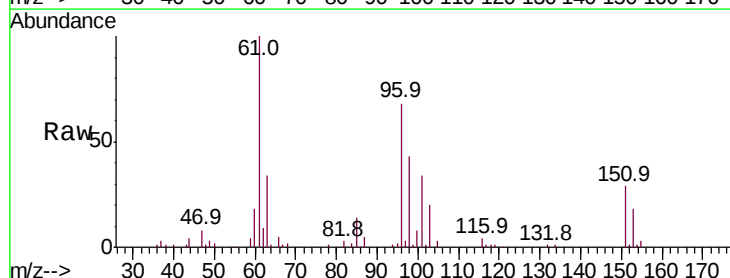
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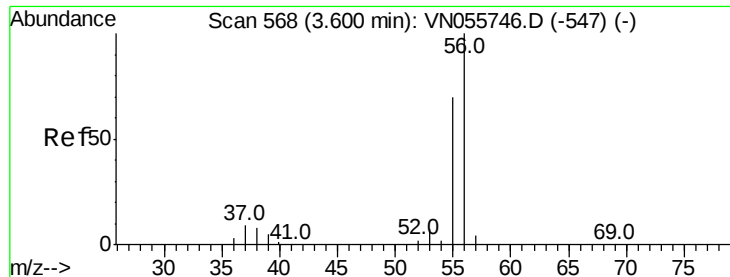
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#12
1,1-Dichloroethene
Concen: 19.624 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 96 Resp: 60257
Ion Ratio Lower Upper
96 100
61 147.9 123.2 184.8
98 64.3 50.4 75.6





#13

Acrolein

Concen: 89.773 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 56 Resp: 45794

Ion Ratio Lower Upper

56 100

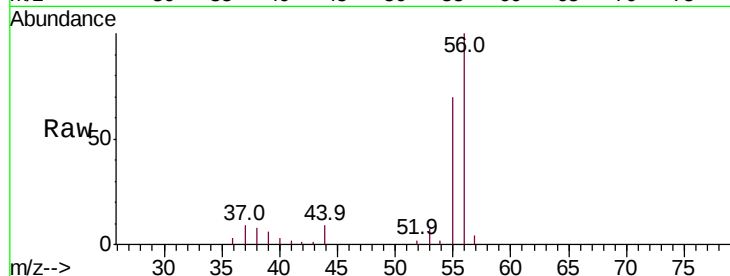
55 72.4 55.4 83.2

Manual Integrations

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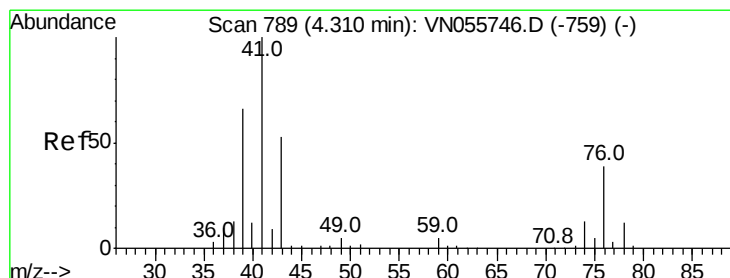
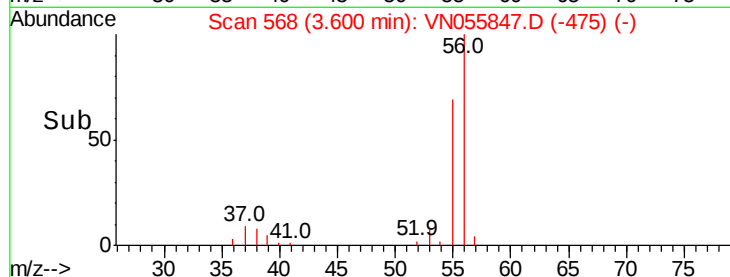
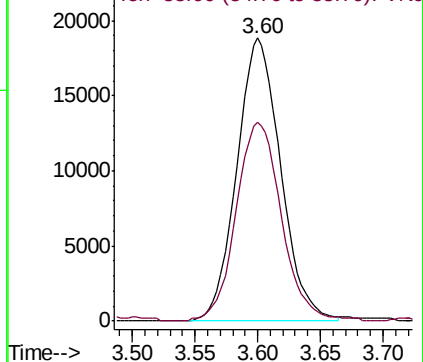
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.647 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

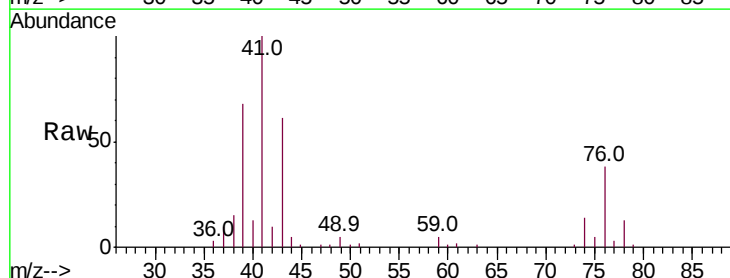
Tgt Ion: 41 Resp: 98157

Ion Ratio Lower Upper

41 100

39 63.4 50.0 75.0

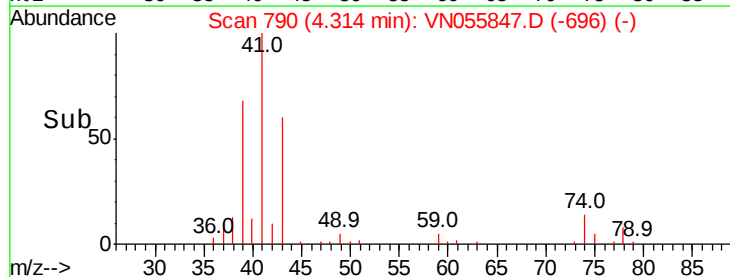
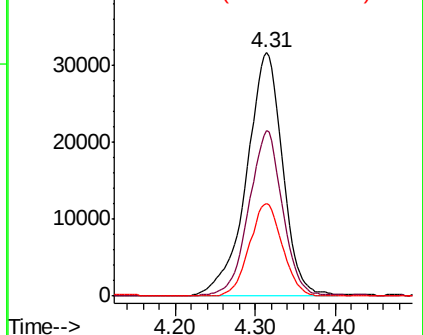
76 34.4 28.2 42.2

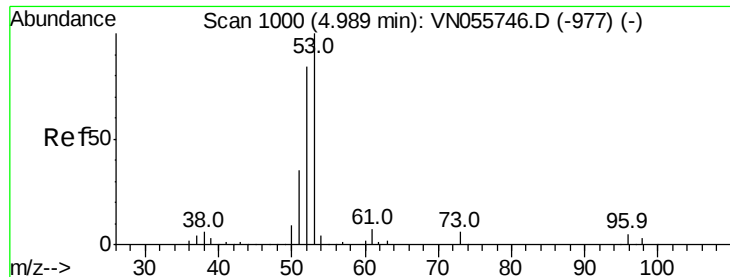


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





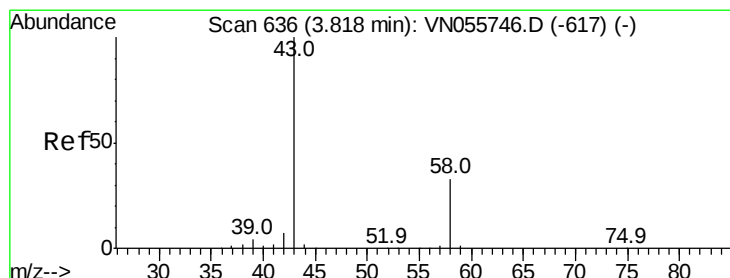
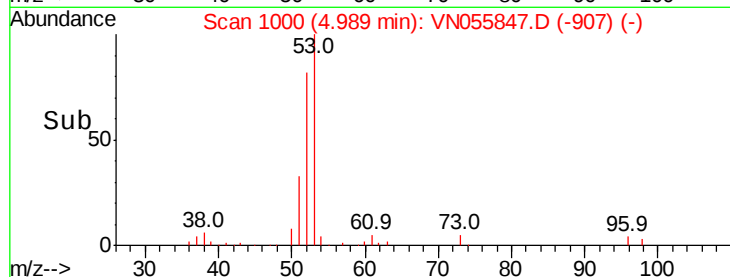
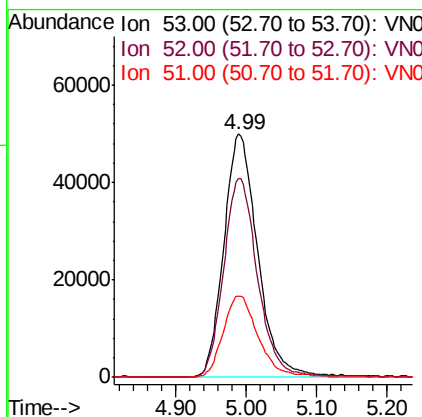
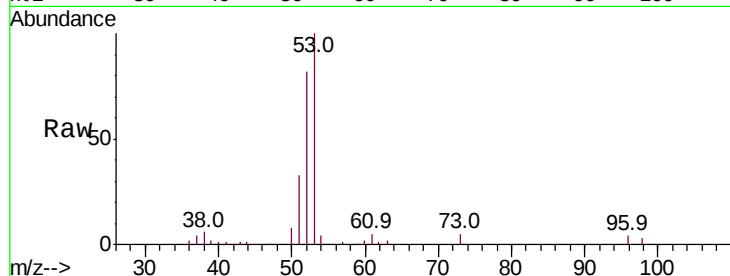
#15
 Acrylonitrile
 Concen: 102.513 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	34.7	28.2	42.4

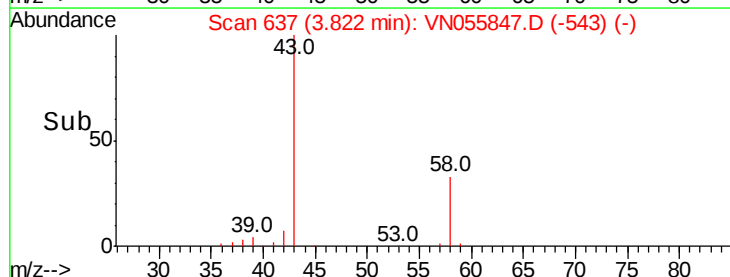
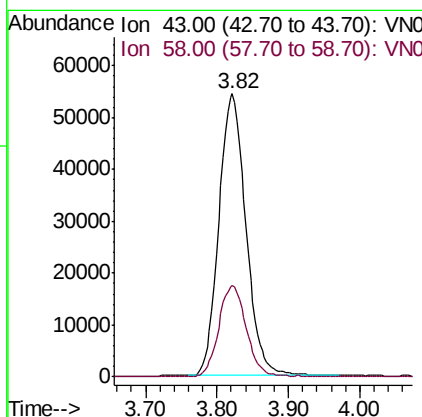
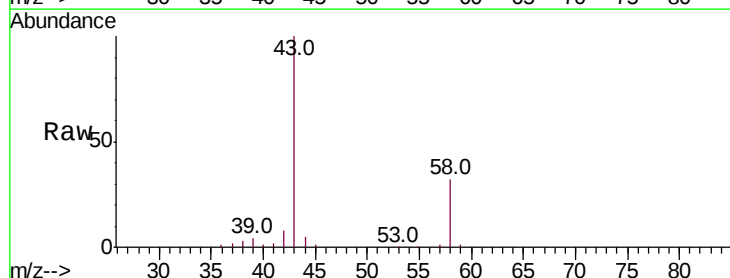
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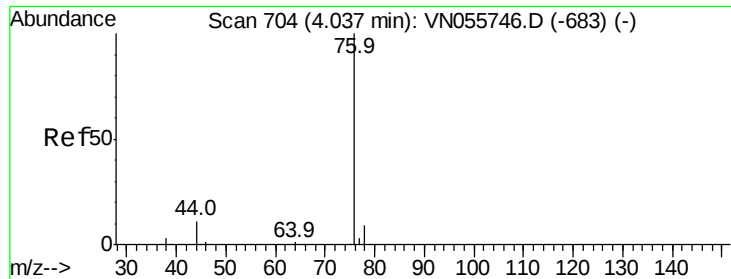
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#16
 Acetone
 Concen: 87.403 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.6	39.8





#17

Carbon Disulfide

Concen: 17.262 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 76 Resp: 150589

Ion Ratio Lower Upper

76 100

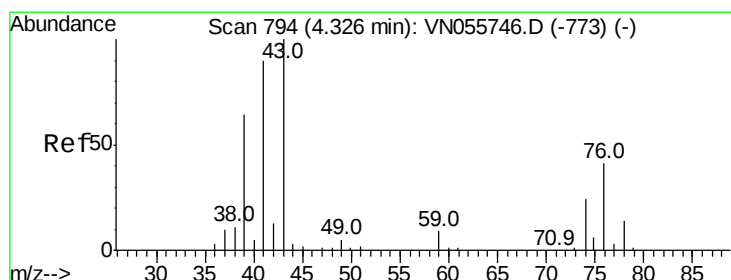
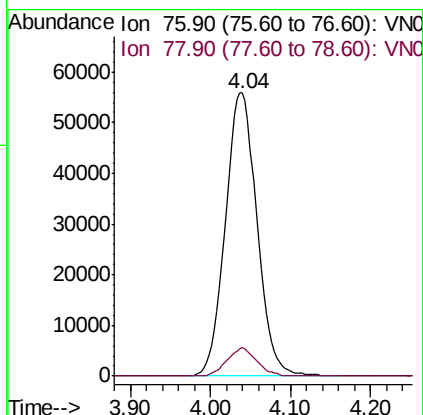
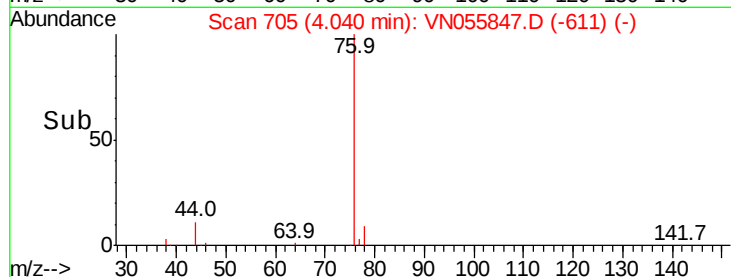
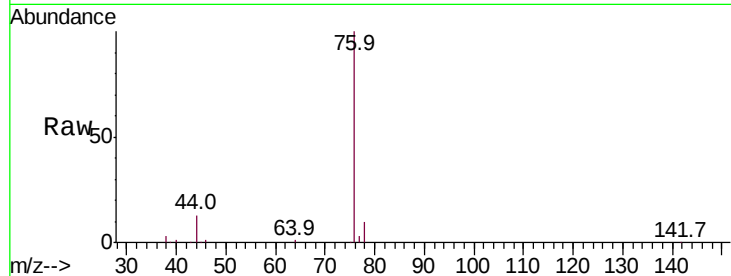
78 10.0 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 21.150 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055847.D

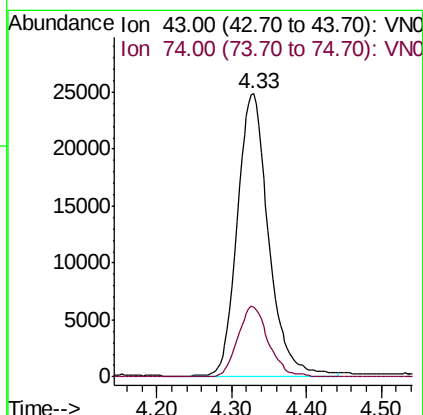
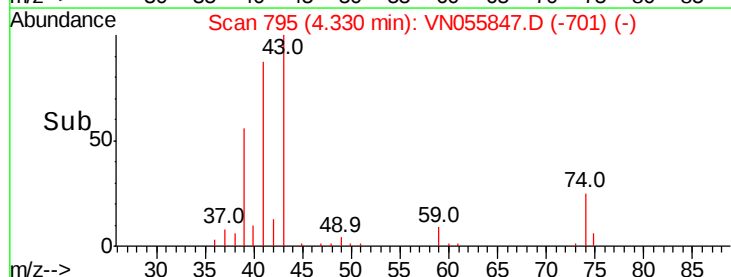
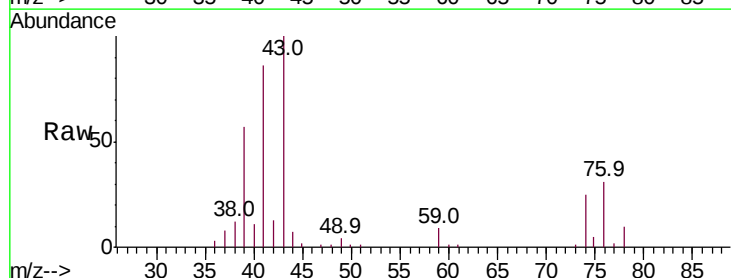
Acq: 28 May 2019 12:51

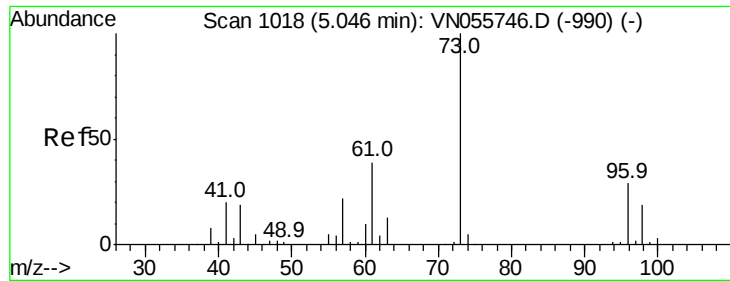
Tgt Ion: 43 Resp: 72903

Ion Ratio Lower Upper

43 100

74 24.2 19.3 28.9





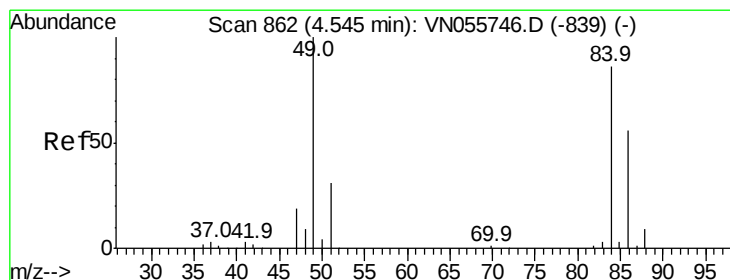
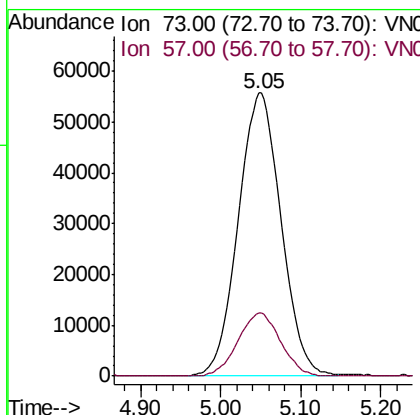
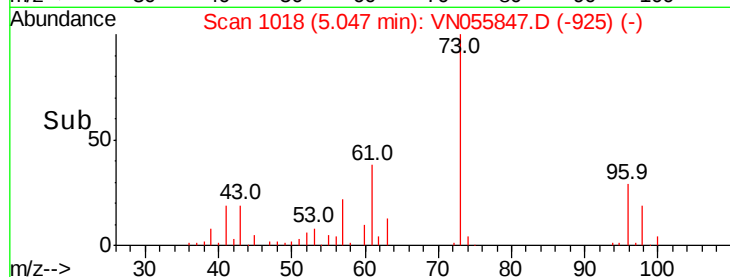
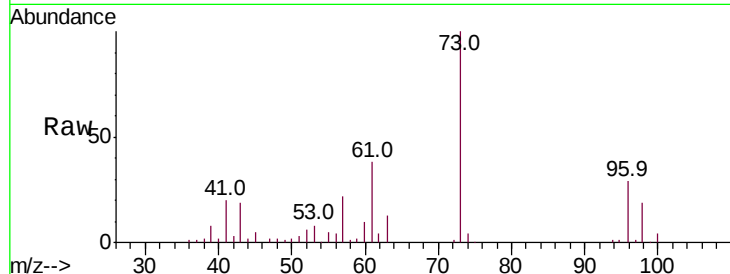
#19
Methyl tert-butyl Ether
Concen: 19.825 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 73 Resp: 203021
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

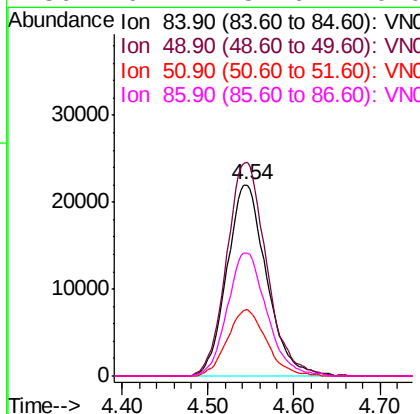
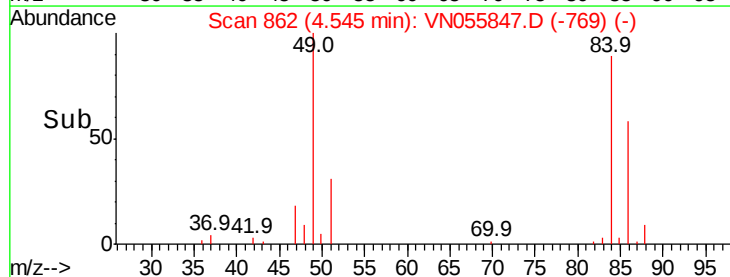
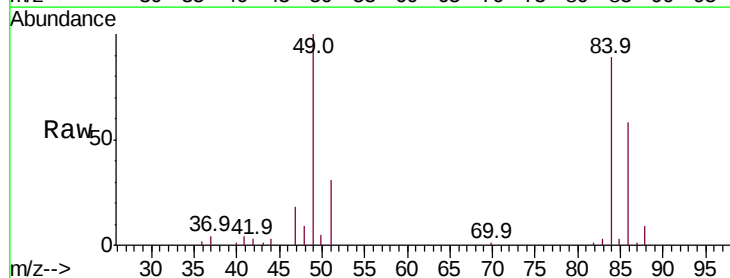
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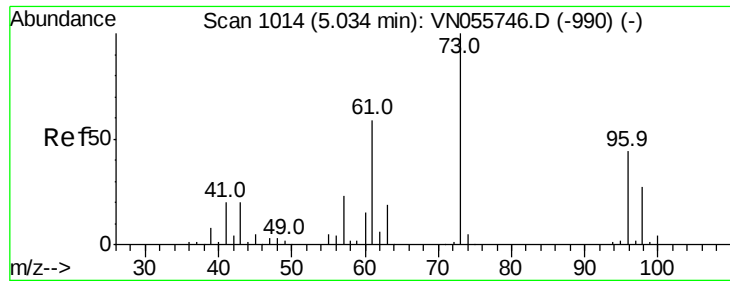
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#20
Methylene Chloride
Concen: 19.869 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 84 Resp: 70524
Ion Ratio Lower Upper
84 100
49 111.9 93.5 140.3
51 34.6 28.6 43.0
86 64.7 52.6 79.0





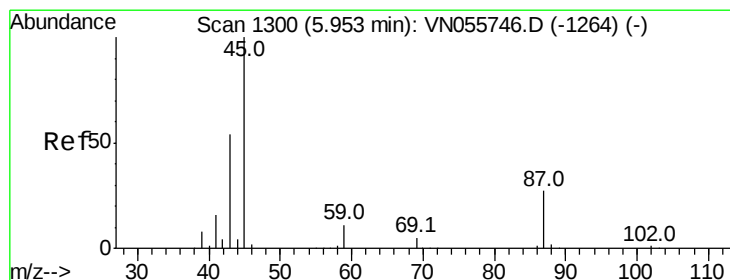
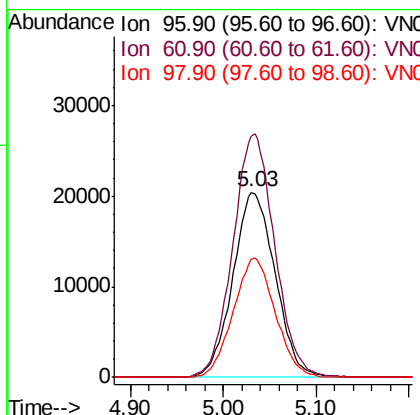
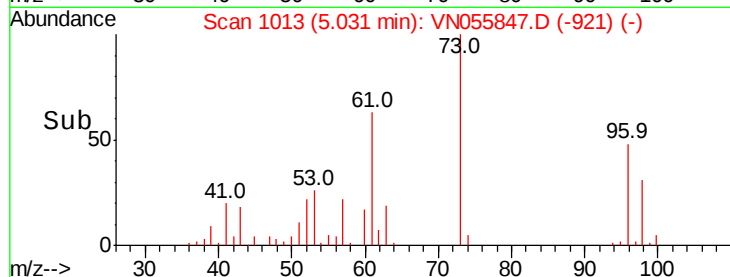
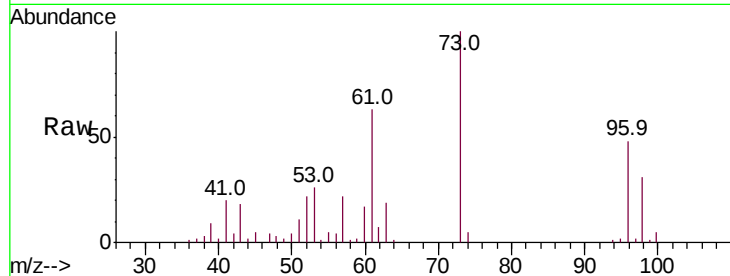
#21
trans-1,2-Dichloroethene
Concen: 19.564 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 96 Resp: 64539
Ion Ratio Lower Upper
96 100
61 130.3 107.8 161.8
98 64.0 49.8 74.8

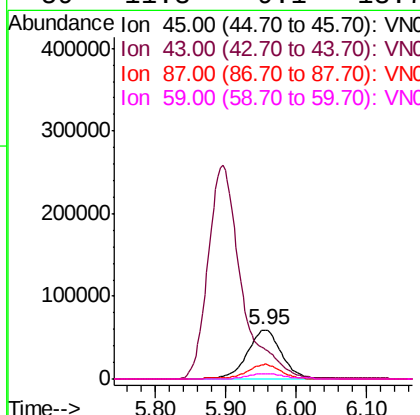
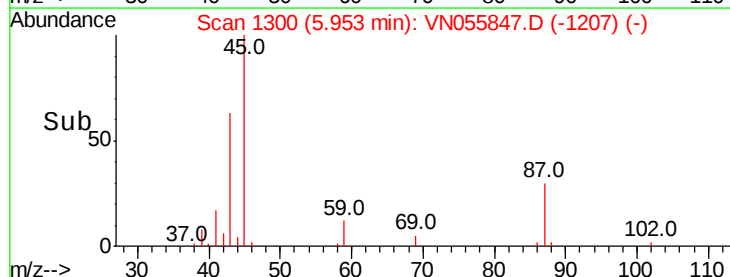
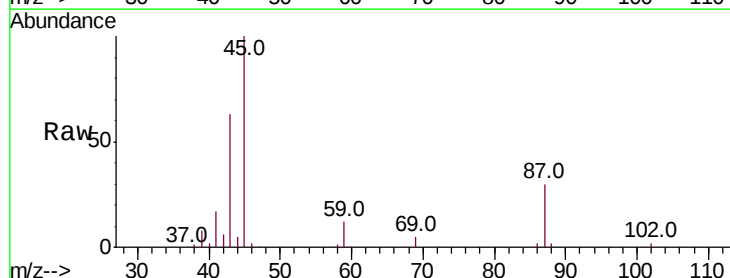
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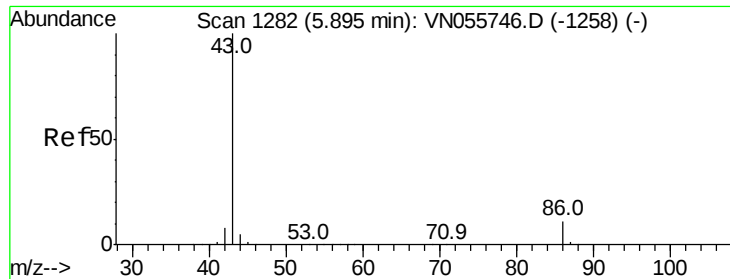
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#22
Diisopropyl ether
Concen: 19.749 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 45 Resp: 202187
Ion Ratio Lower Upper
45 100
43 60.7 45.0 67.6
87 29.5 22.2 33.4
59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 97.221 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 43 Resp: 853399

Ion Ratio Lower Upper

43 100

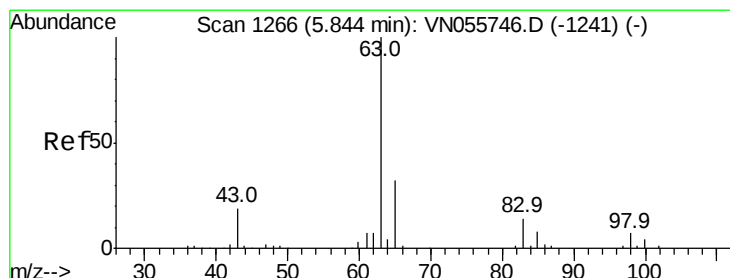
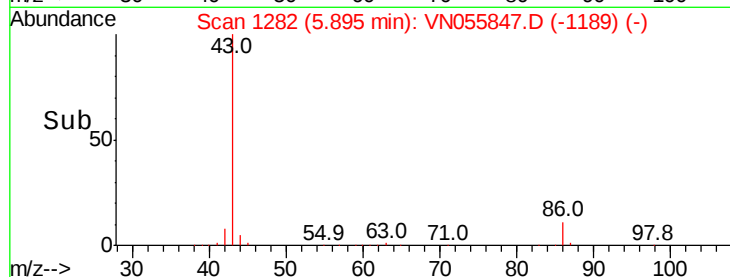
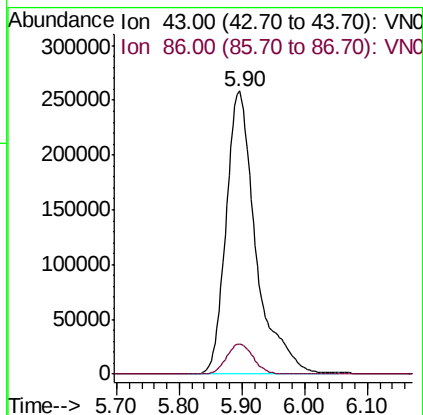
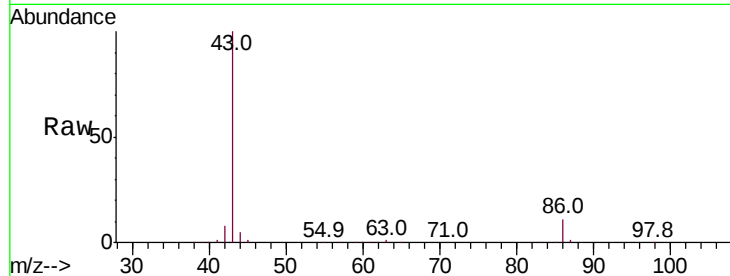
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.302 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

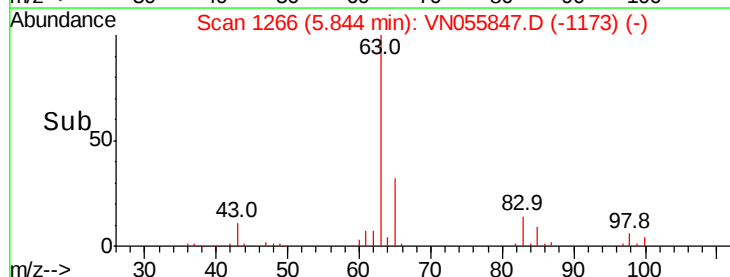
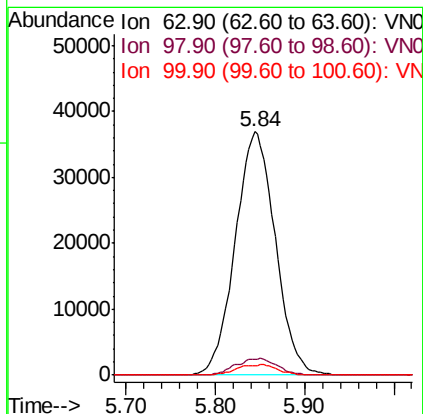
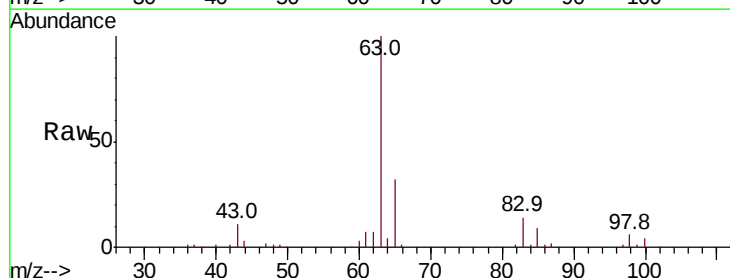
Tgt Ion: 63 Resp: 115058

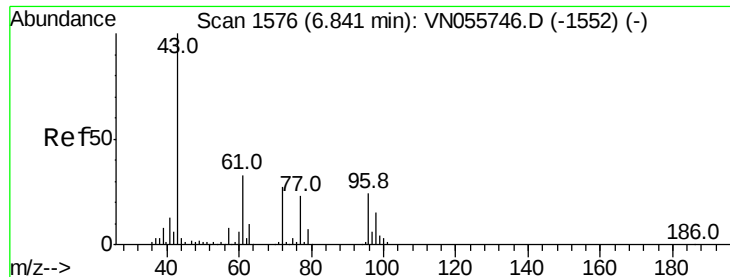
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 3.8 2.2 6.6





#25

2-Butanone

Concen: 96.973 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 43 Resp: 221969

Ion Ratio Lower Upper

43 100

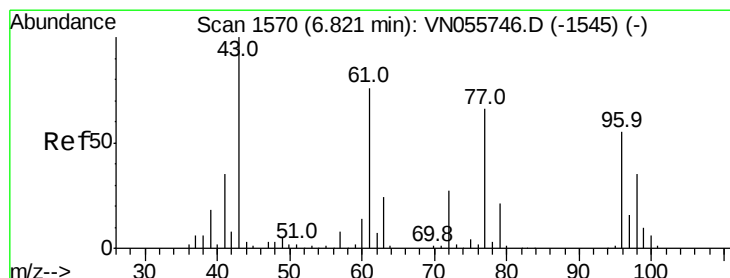
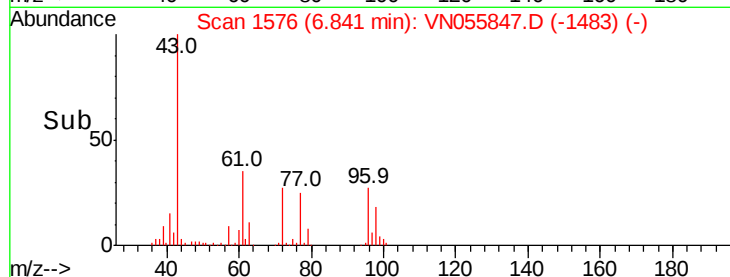
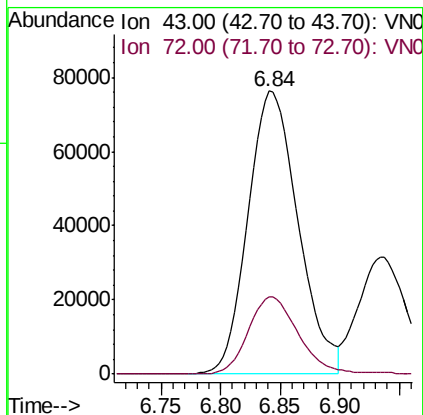
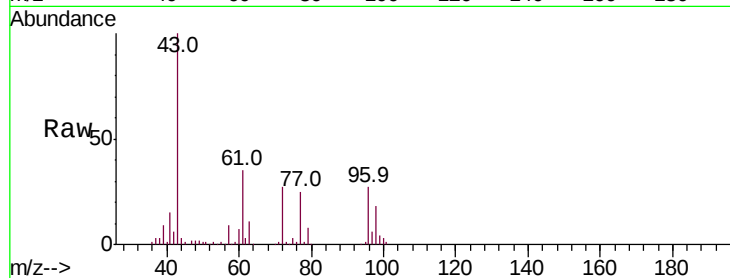
72 27.4 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 17.232 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055847.D

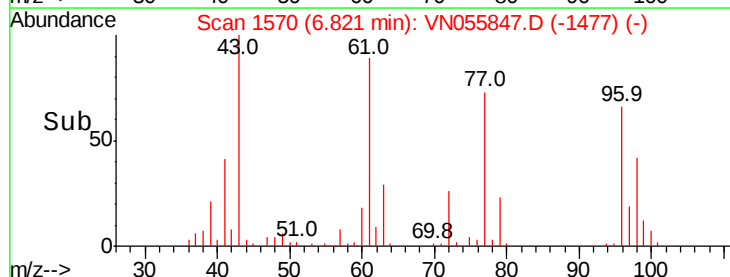
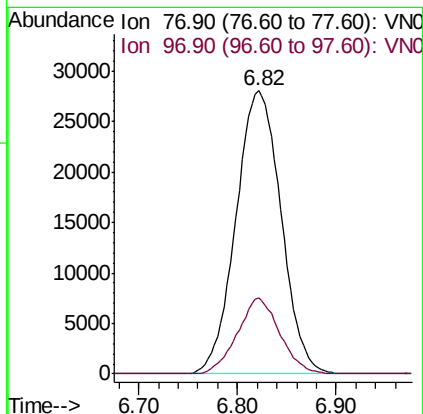
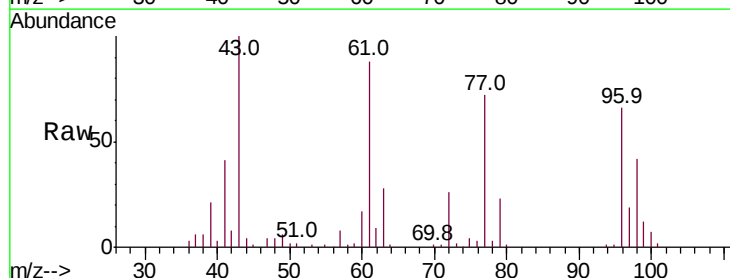
Acq: 28 May 2019 12:51

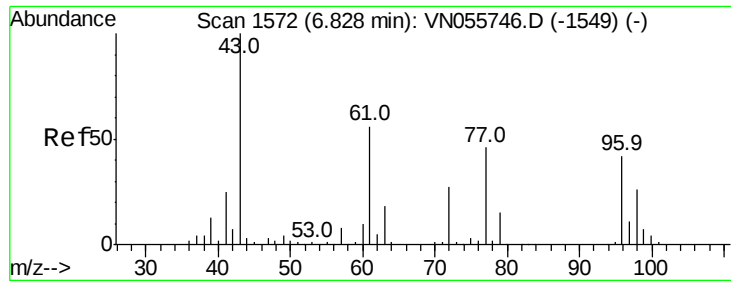
Tgt Ion: 77 Resp: 88898

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.915 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

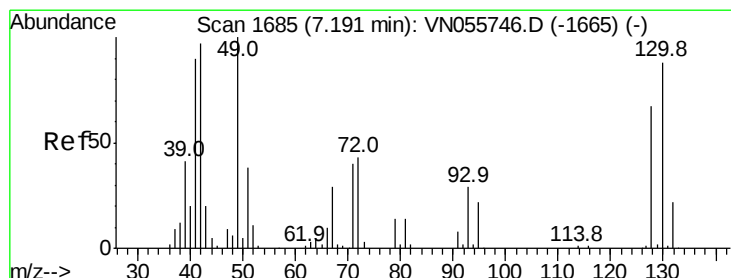
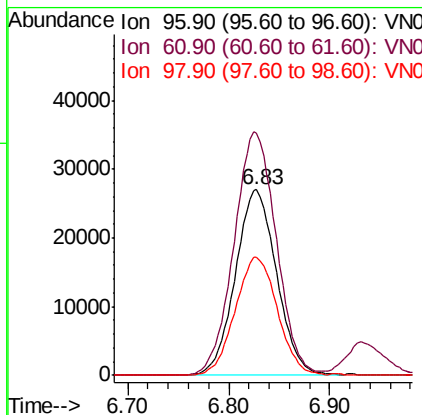
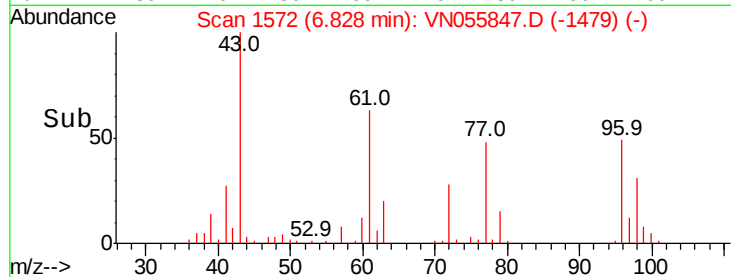
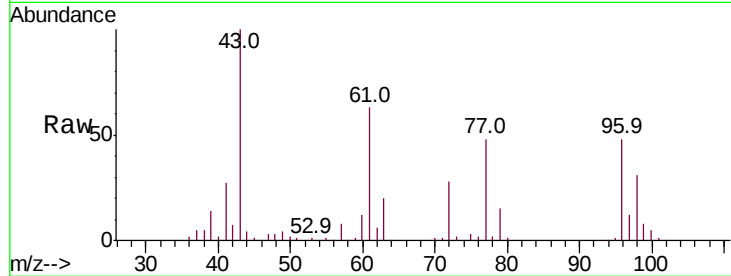
ClientSampleId :

VN0528WBS01

Tot Ion:	96	Resp:	76645
Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	275.8
98	65.2	0.0	128.4

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#28

Bromochloromethane

Concen: 20.323 ug/l

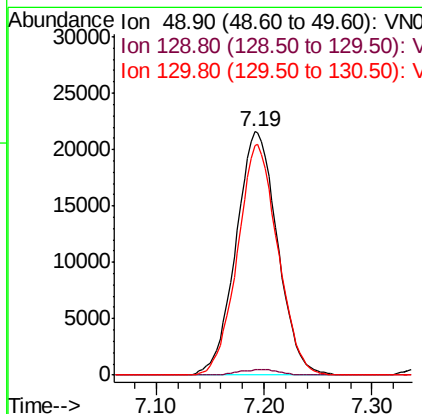
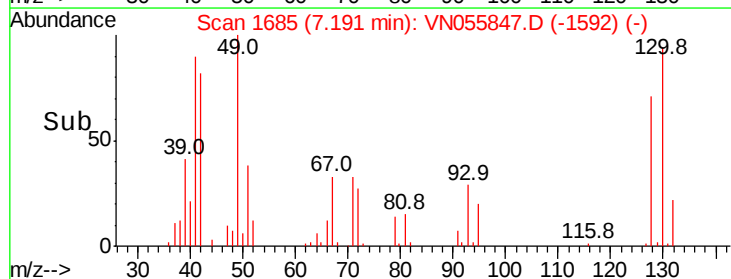
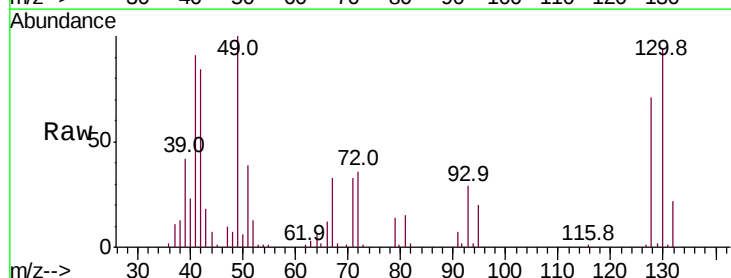
RT: 7.19 min Scan# 1685

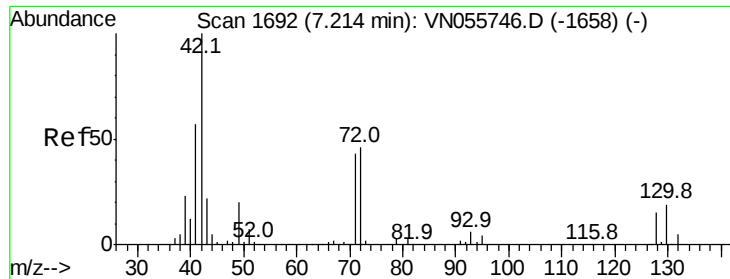
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	49	Resp:	57678
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	92.0	71.2	106.8





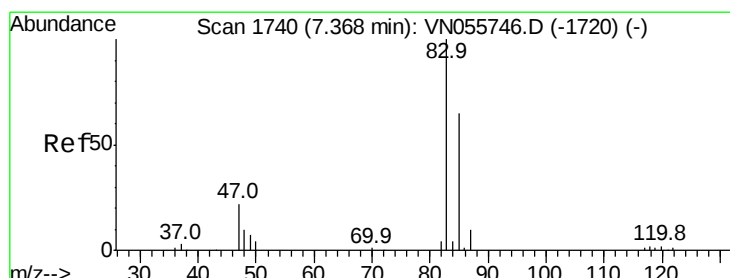
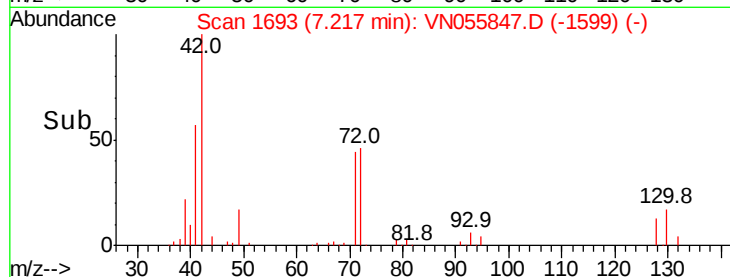
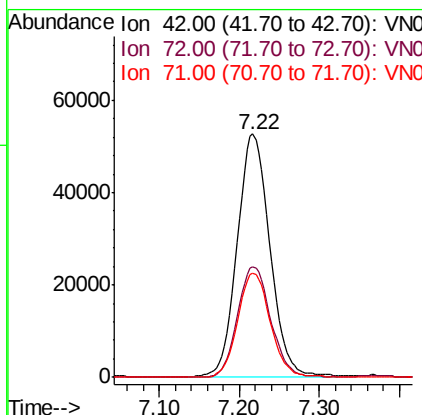
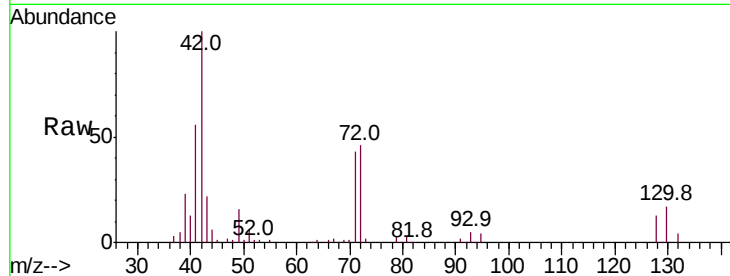
#29
Tetrahydrofuran
Concen: 99.923 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	42.6	34.0	51.0

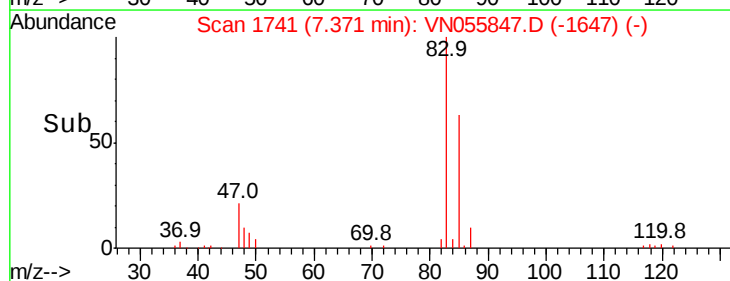
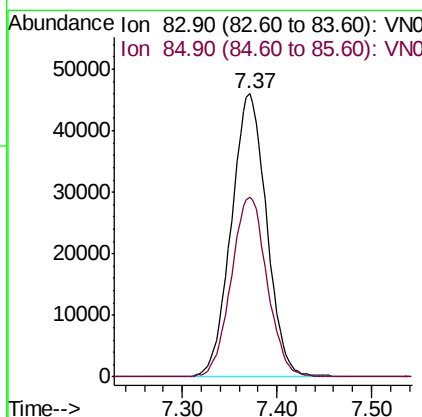
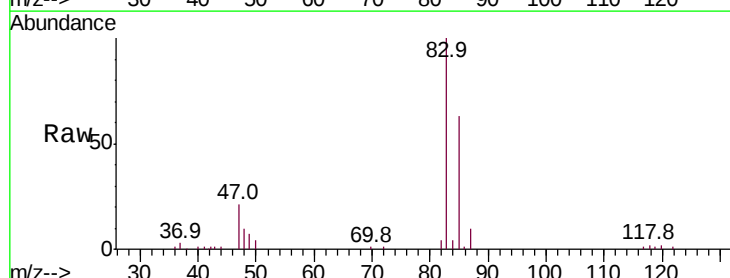
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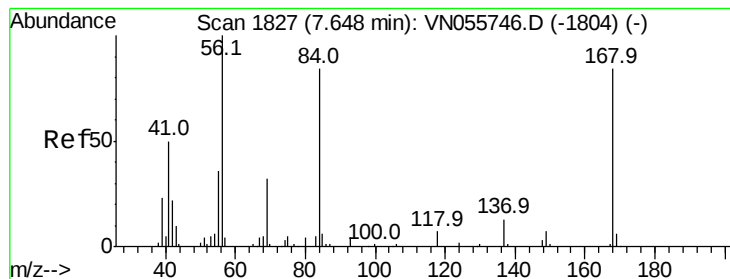
MMDadoda
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#30
Chloroform
Concen: 20.038 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





#31

Cyclohexane

Concen: 19.262 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 56 Resp: 107799

Ion Ratio Lower Upper

56 100

69 36.7 25.6 38.4

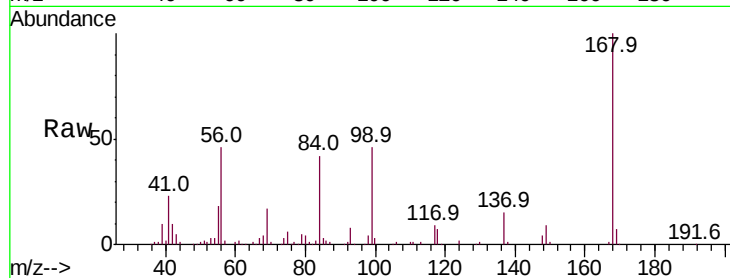
84 90.4 67.4 101.0

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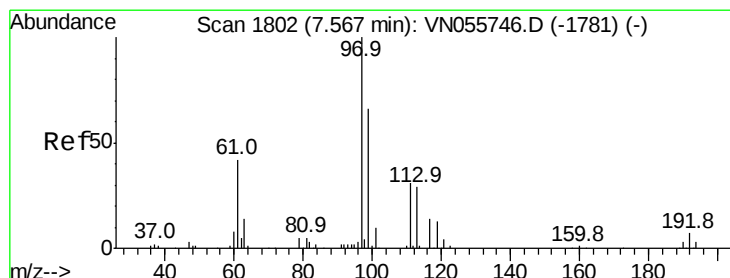
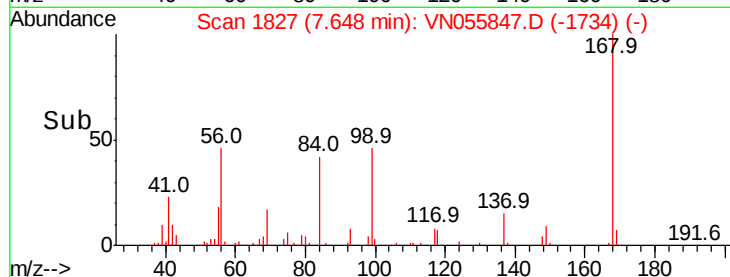
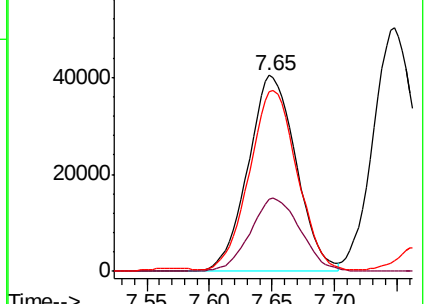
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.516 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

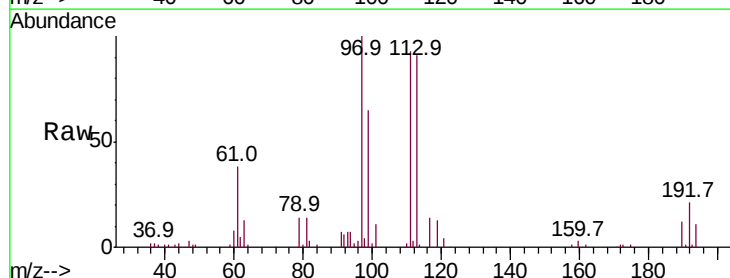
Tgt Ion: 97 Resp: 103528

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

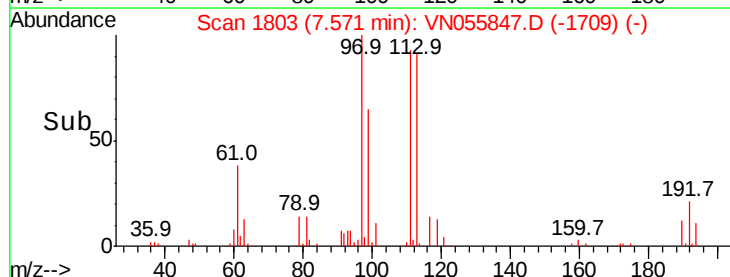
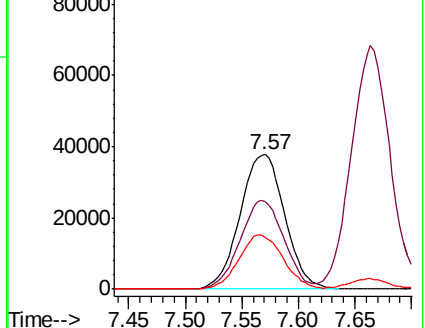
61 40.0 32.9 49.3

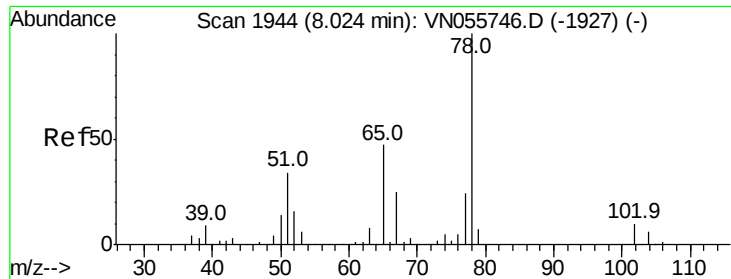


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





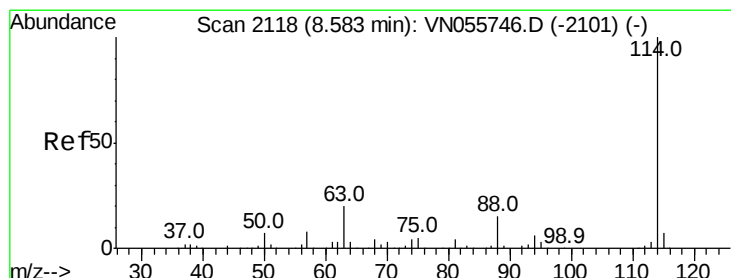
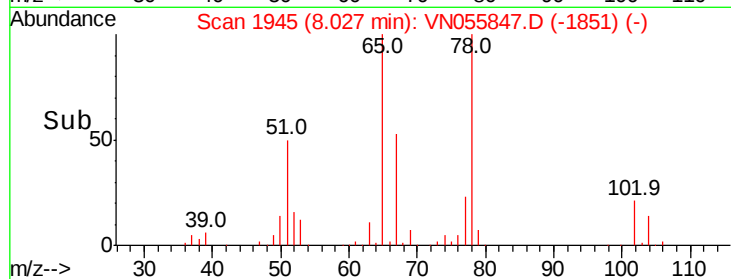
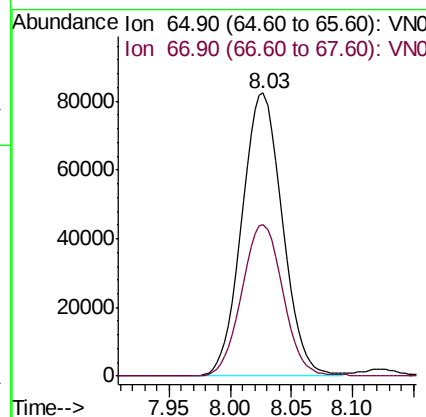
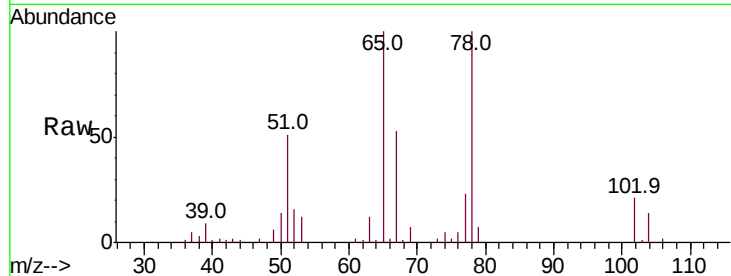
#33
 1,2-Dichloroethane-d4
 Concen: 51.038 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190300		
67	54.3	0.0	109.2	

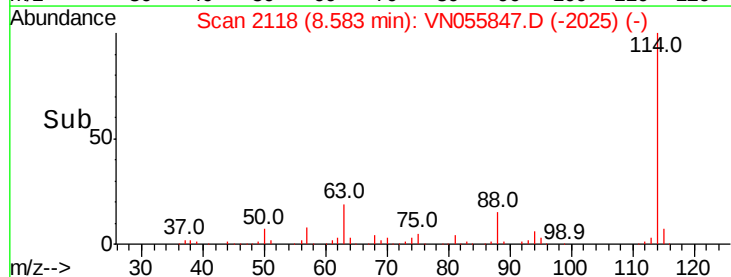
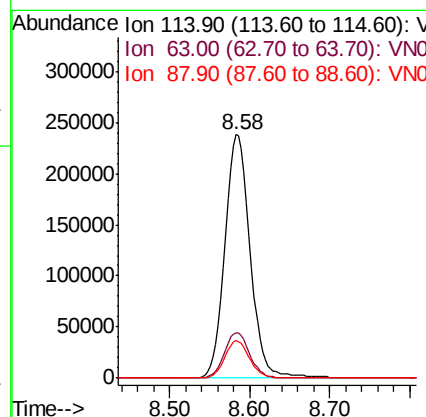
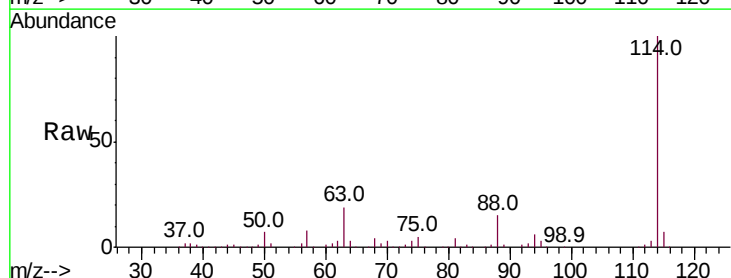
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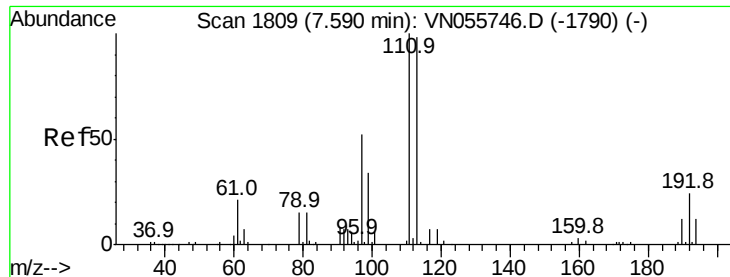
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	520505		
63	18.7	0.0	39.2	
88	15.2	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.149 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

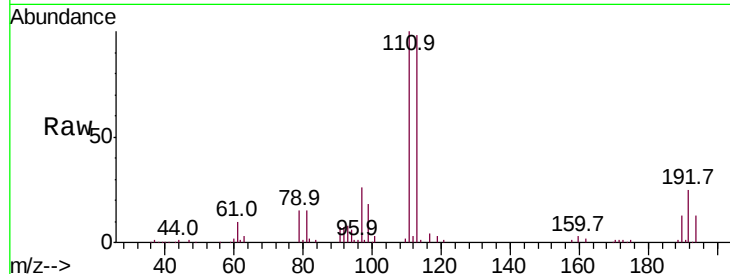
ClientSampleId :

VN0528WBS01

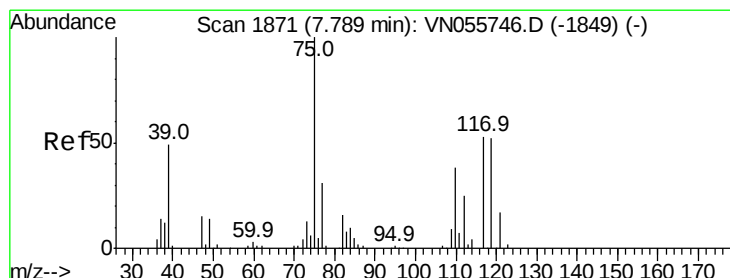
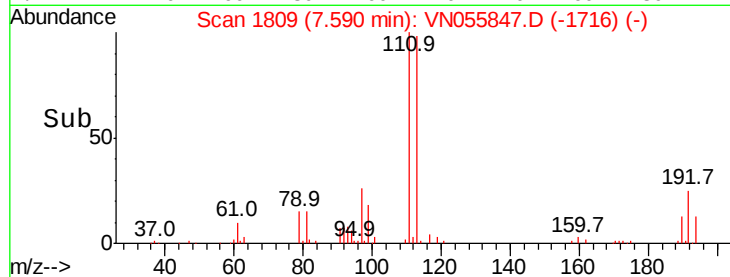
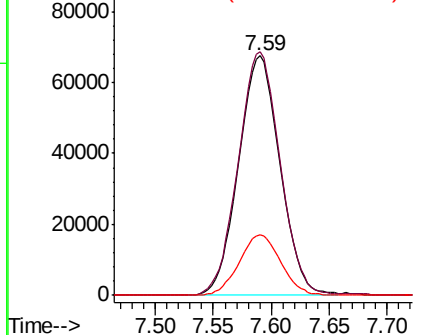
Tot Ion:	113	Resp:	168323
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	25.2	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.584 ug/l

RT: 7.79 min Scan# 1871

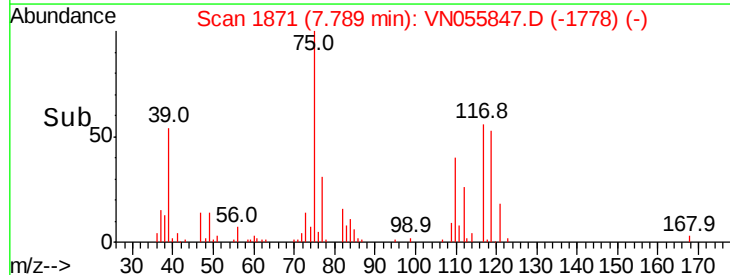
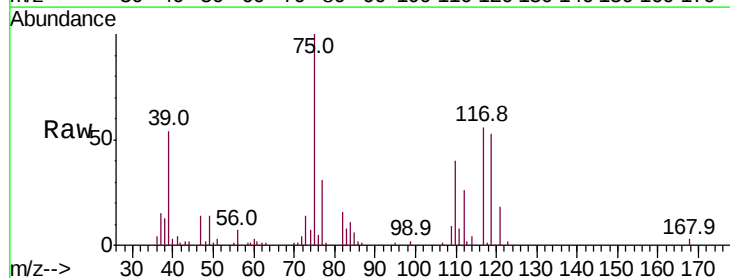
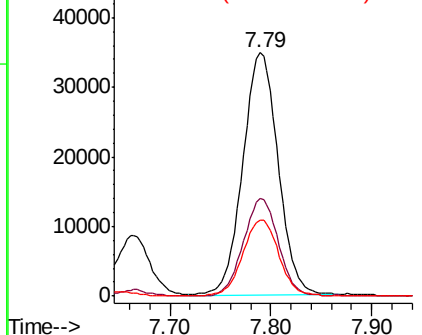
Delta R.T. 0.00 min

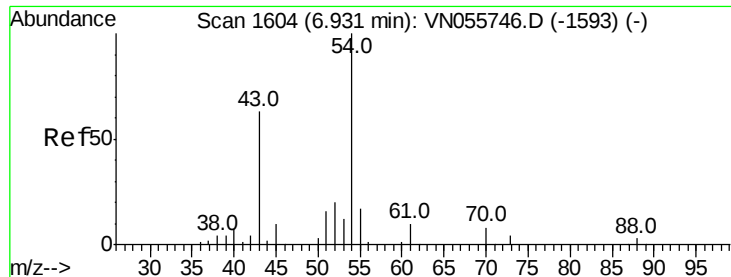
Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	75	Resp:	84298
Ion Ratio	Lower	Upper	
75	100		
110	39.8	19.0	57.0
77	32.2	25.1	37.7

Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 20.785 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055847.D

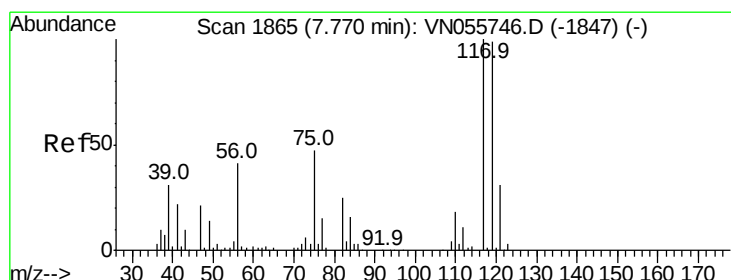
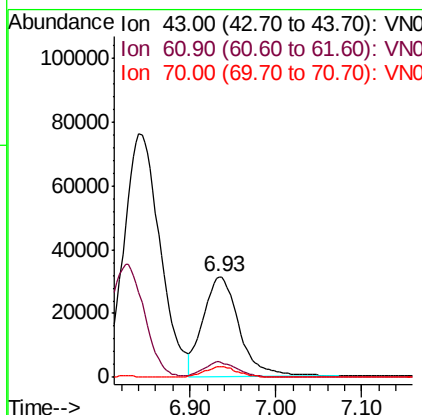
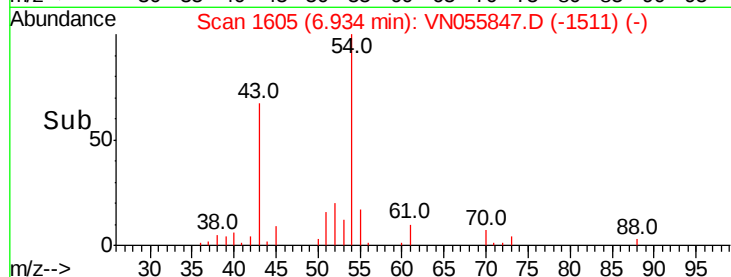
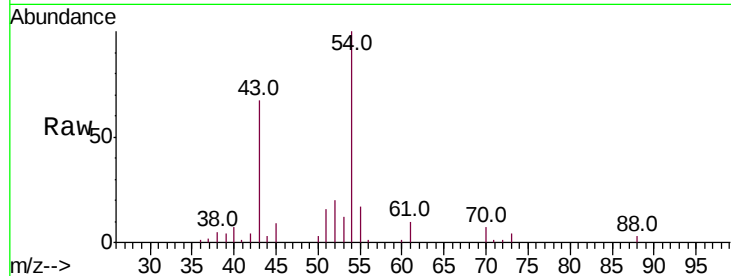
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.2	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 19.749 ug/l

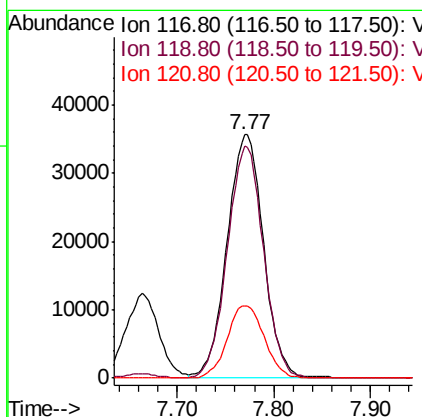
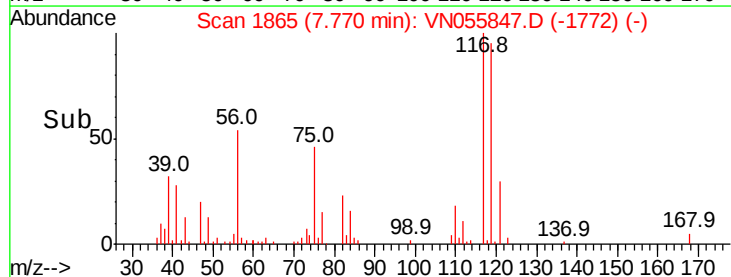
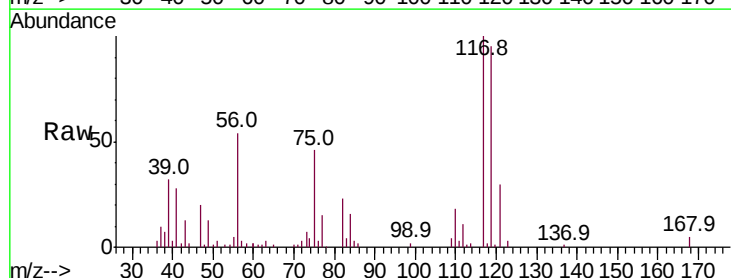
RT: 7.77 min Scan# 1865

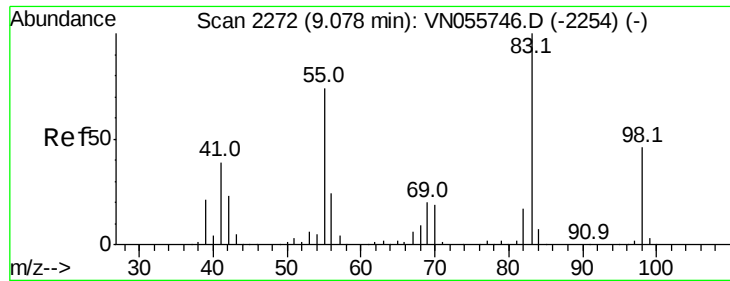
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.0	118.6
121	29.8	24.7	37.1





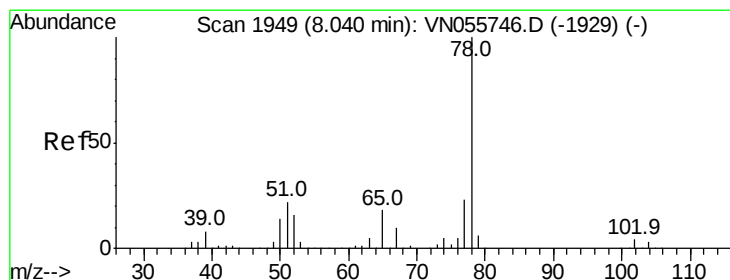
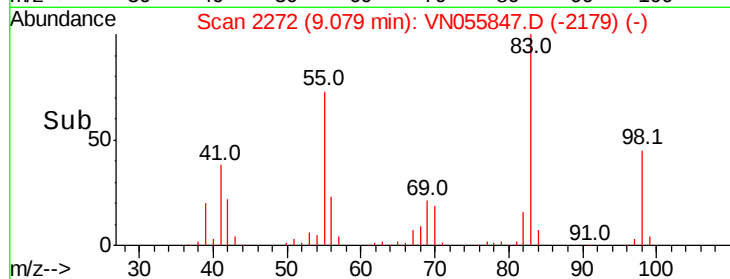
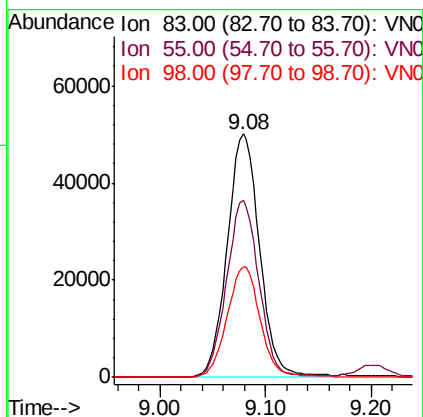
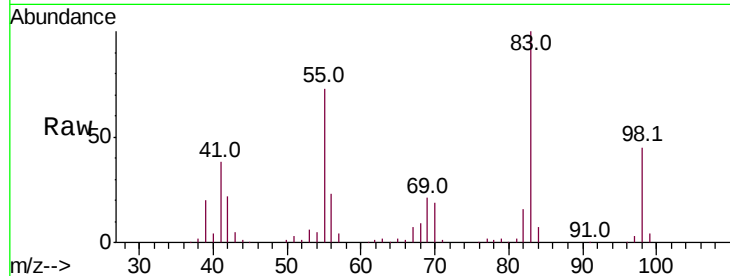
#39
Methvlcvclohexane
Concen: 19.036 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.3	88.9
98	45.4	36.6	54.8

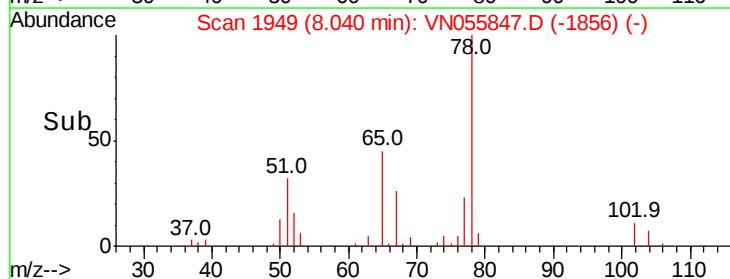
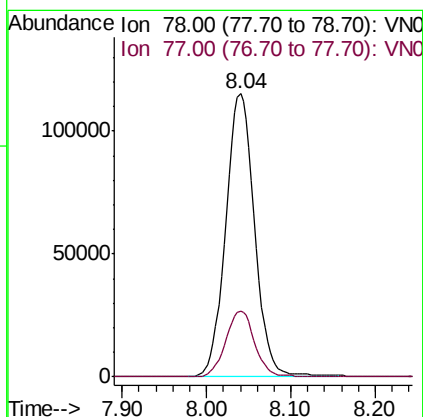
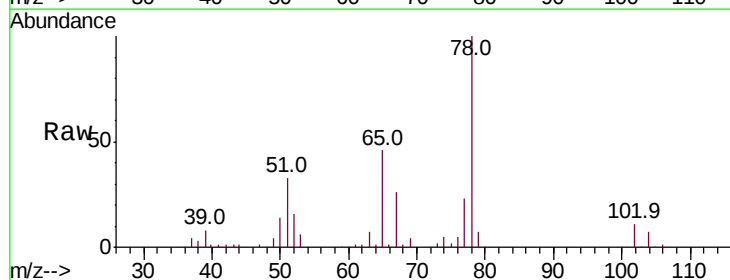
Manual Integrations
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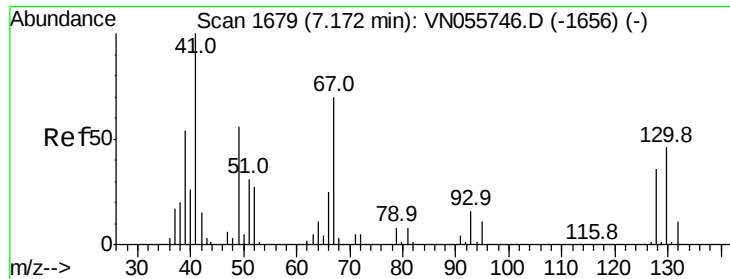
MMDadoda
5/29/2019 11:09:48 AM



#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





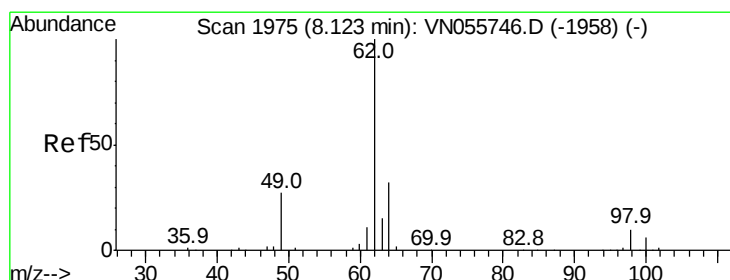
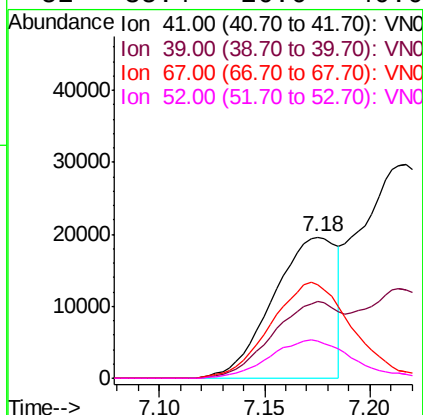
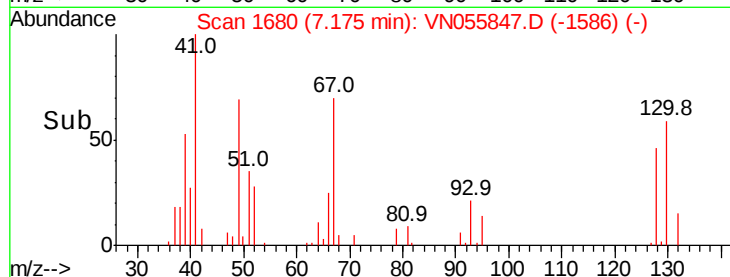
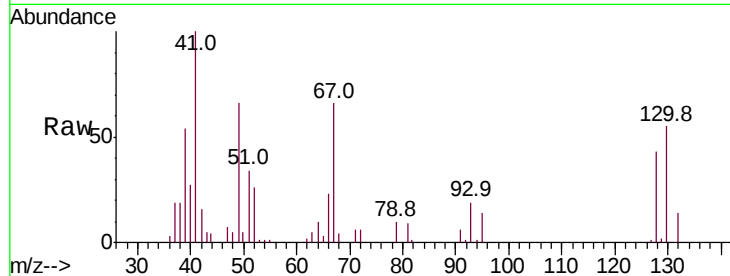
#41
Methacrylonitrile
Concen: 18.598 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion:	41	Resp:	41191
Ion	Ratio	Lower	Upper
41	100		
39	58.3	45.6	68.4
67	88.0	67.7	101.5
52	35.4	26.6	40.0

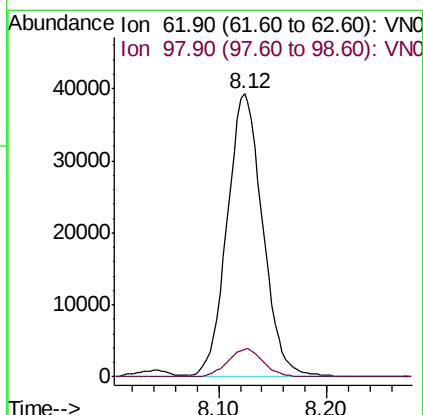
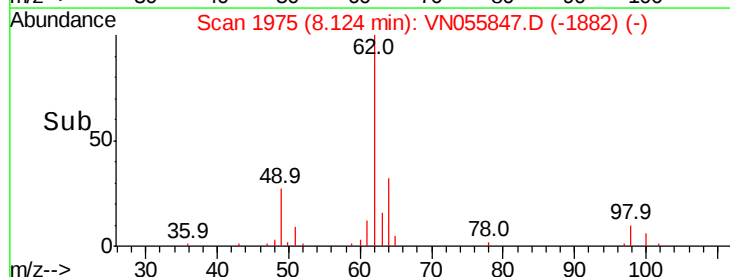
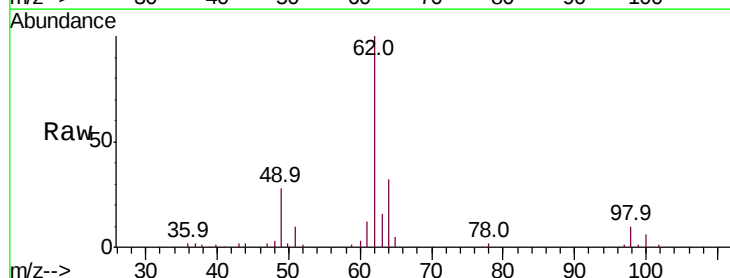
Manual Integrations
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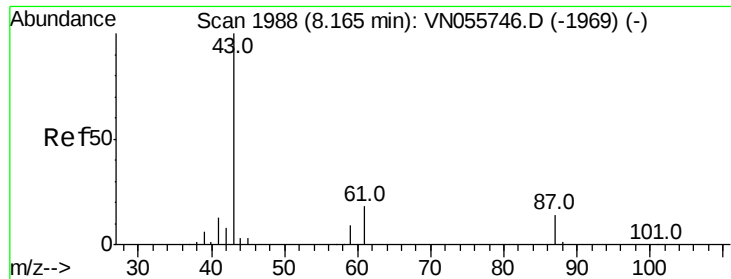
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.201 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:	62	Resp:	90237
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.440 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

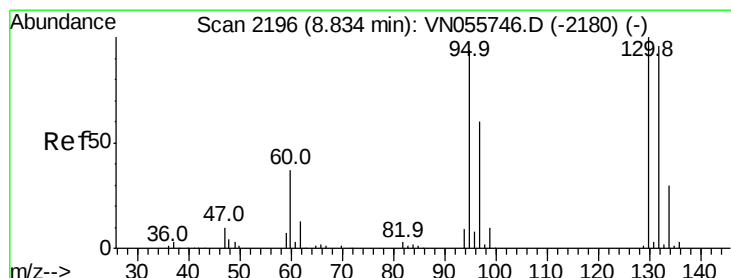
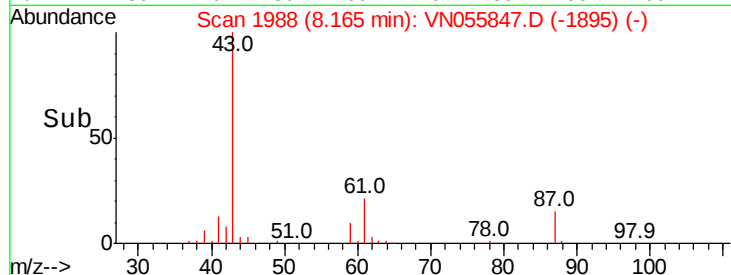
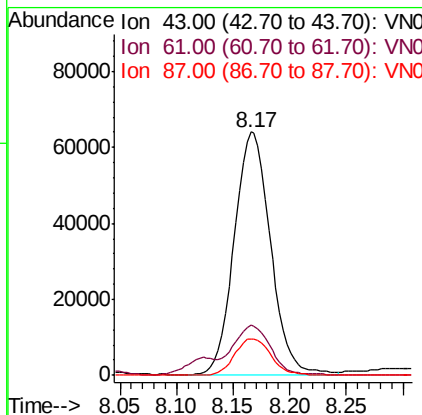
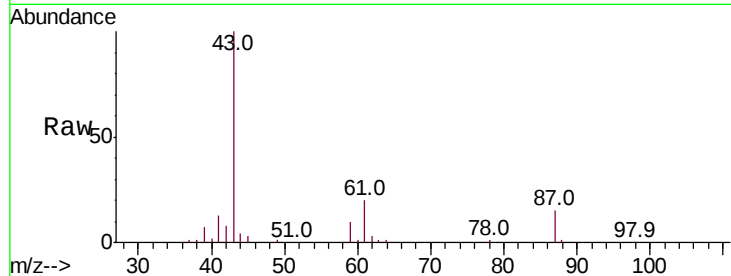
ClientSampleId :

VN0528WBS01

Tot Ion:	43	Resp:	143192
Ion	Ratio	Lower	Upper
43	100		
61	20.7	22.2	33.4#
87	15.0	11.4	17.2

Manual Integrations
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5/29/2019 11:09:48 AM



#44

Trichloroethene

Concen: 20.173 ug/l

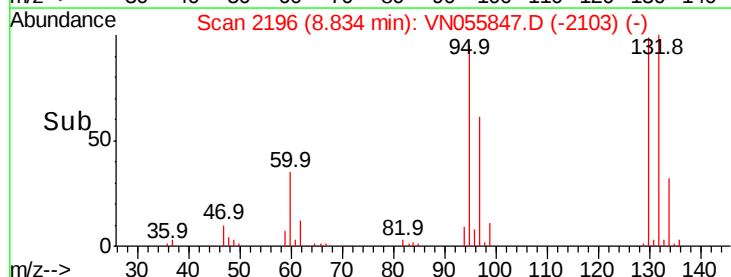
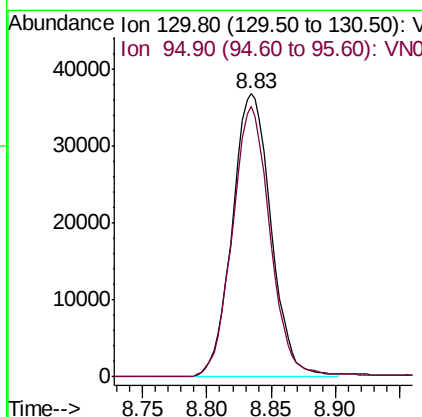
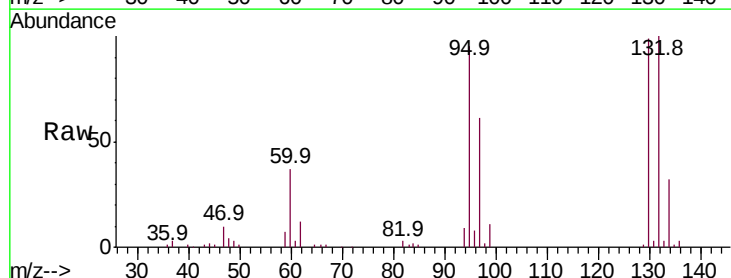
RT: 8.83 min Scan# 2196

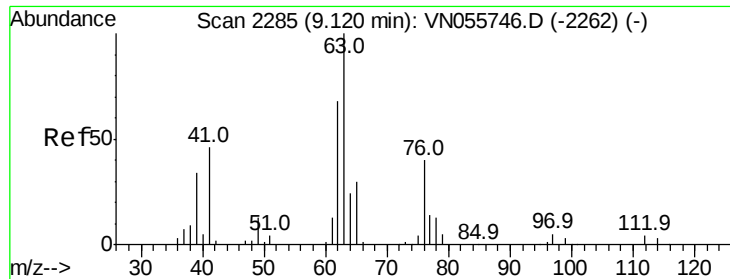
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	130	Resp:	76882
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.932 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 63 Resp: 70992

Ion Ratio Lower Upper

63 100

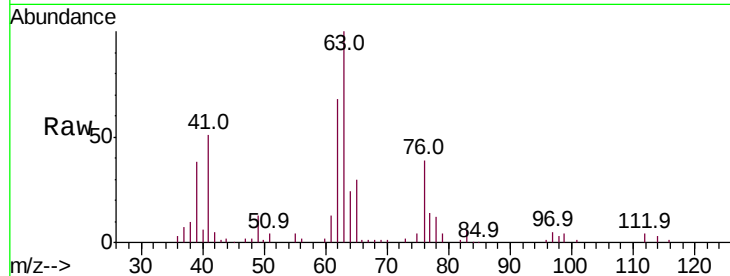
65 29.8 24.6 36.8

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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

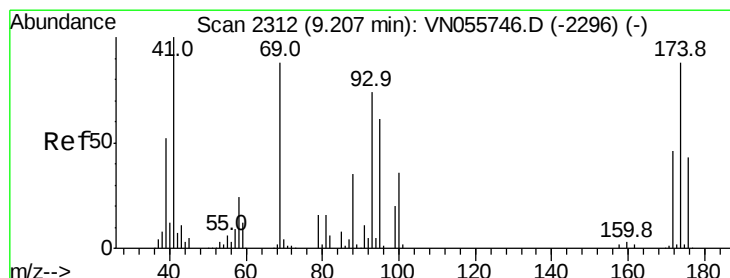
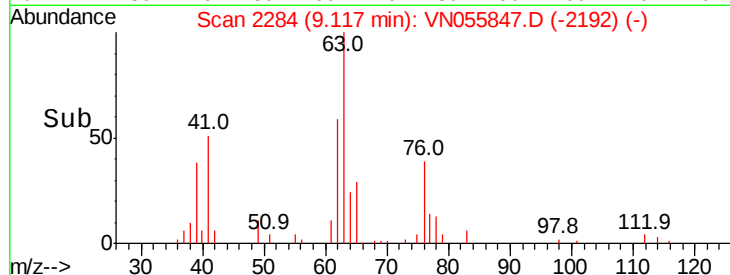
20000

10000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.372 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

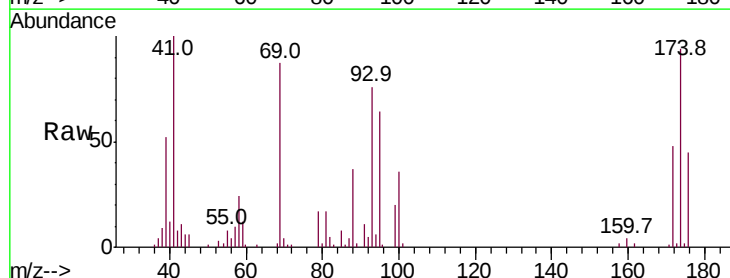
Tgt Ion: 93 Resp: 47585

Ion Ratio Lower Upper

93 100

95 85.4 66.7 100.1

174 126.2 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

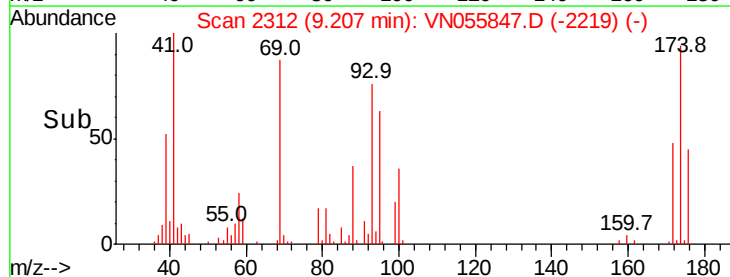
20000

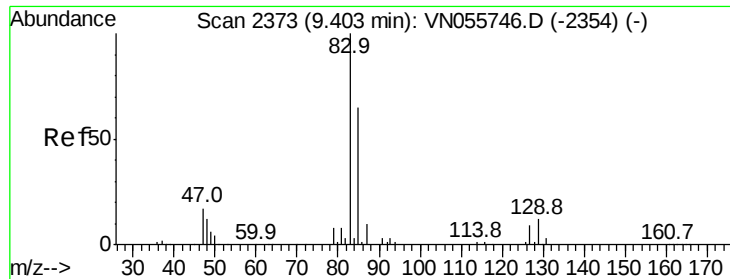
10000

0

9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 19.274 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

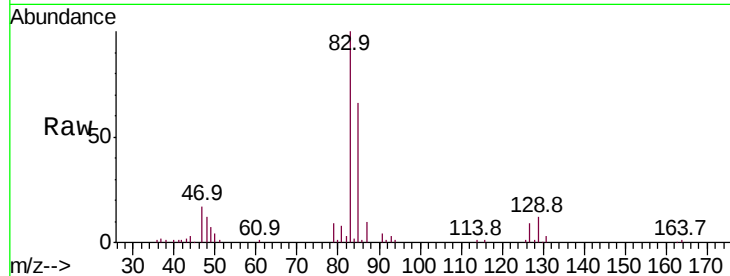
ClientSampleId :

VN0528WBS01

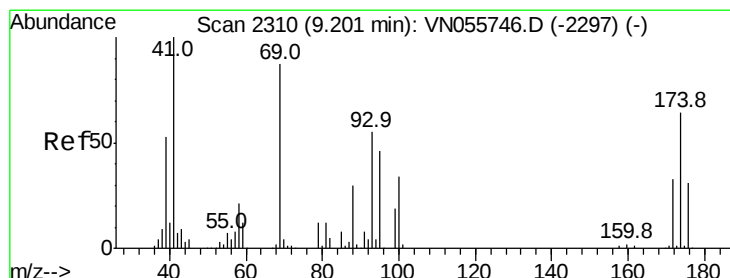
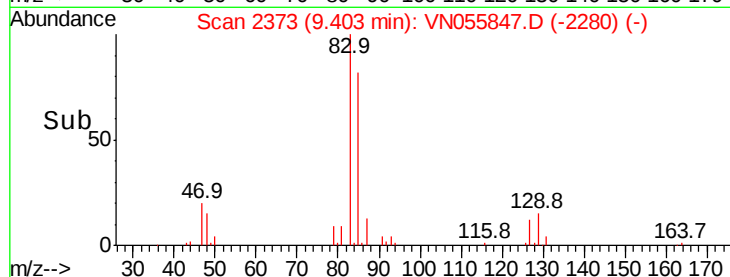
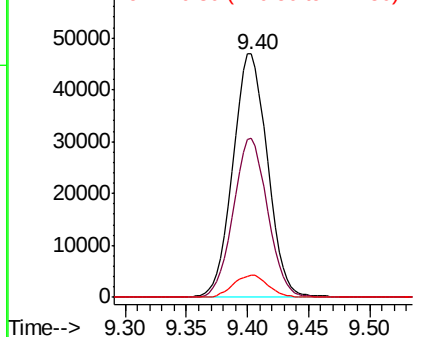
Tot Ion:	83	Resp:	92315
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.2	78.2
127	9.4	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055847.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.089 ug/l

RT: 9.20 min Scan# 2310

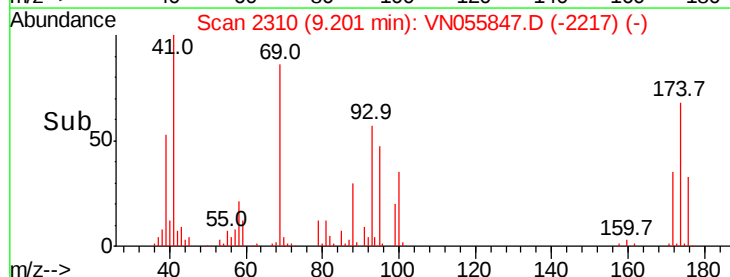
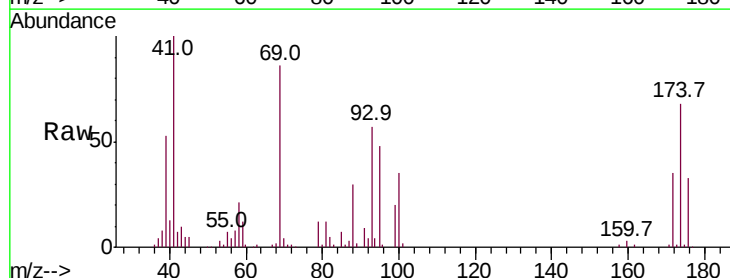
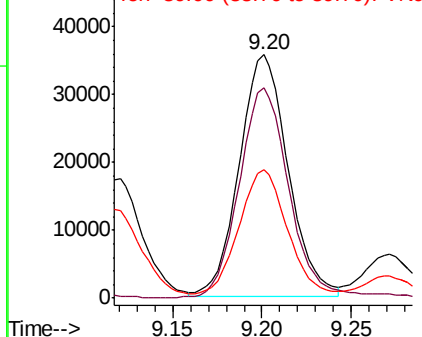
Delta R.T. 0.00 min

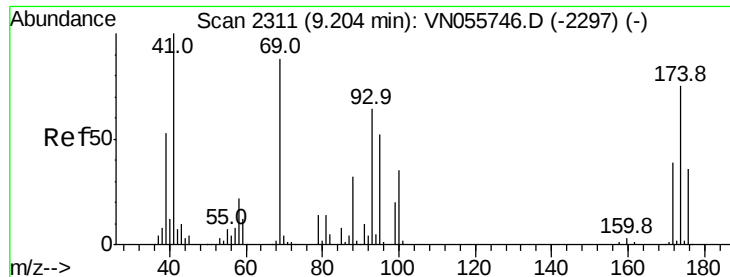
Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	41	Resp:	68199
Ion Ratio	Lower	Upper	
41	100		
69	89.9	71.0	106.6
39	53.6	44.2	66.2

Abundance Ion 41.00 (40.70 to 41.70): VN055847.D (-2217) (-)





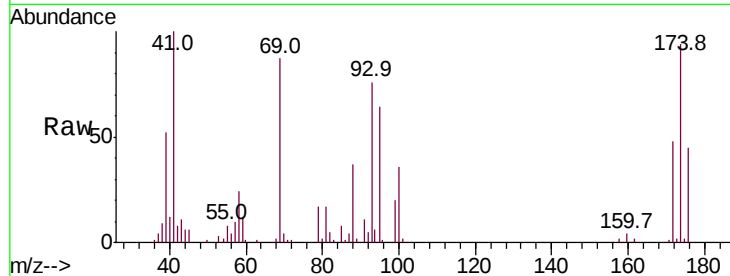
#49
1,4-Dioxane
Concen: 411.517 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	20.5	30.7
58	63.2	55.8	83.6

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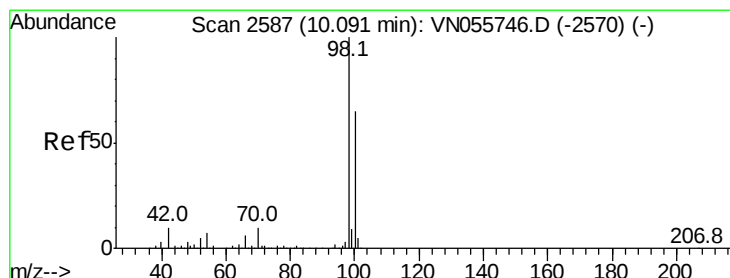
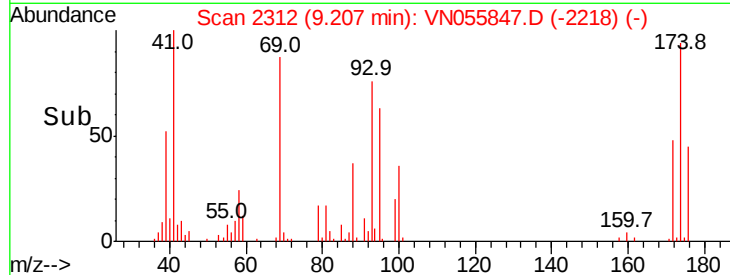
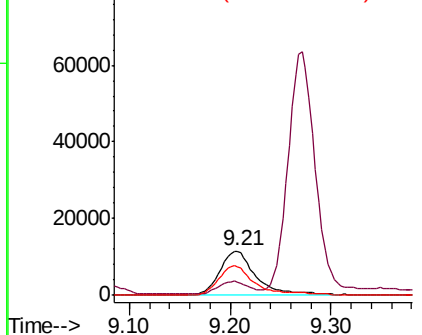


Abundance

Ion 88.00 (87.70 to 88.70): VN055847.D (-2297) (-)

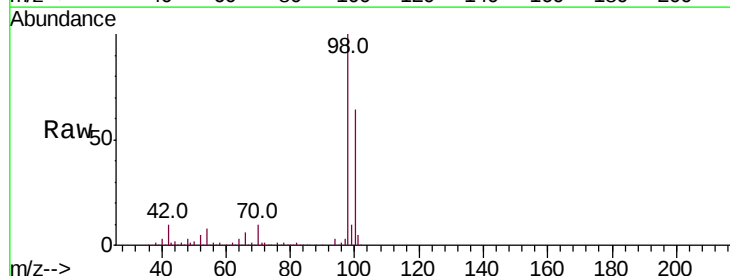
Ion 43.00 (42.70 to 43.70): VN055847.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055847.D (-2297) (-)



#50
Toluene-d8
Concen: 50.841 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

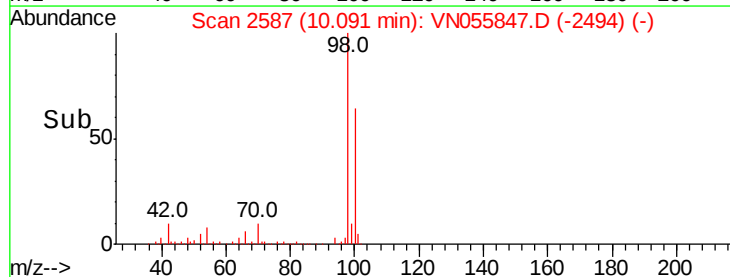
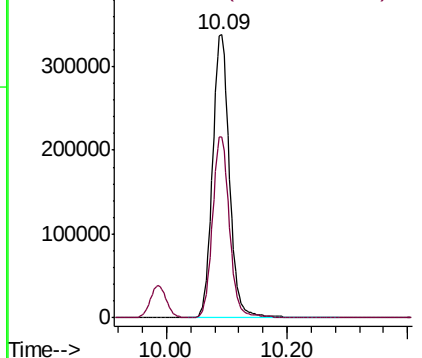
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.9	77.9

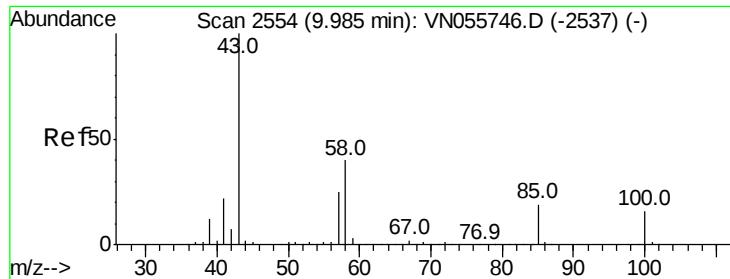


Abundance

Ion 98.00 (97.70 to 98.70): VN055847.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055847.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.901 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tot Ion: 43 Resp: 443302

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1

Instrument :

MSVOA_N

ClientSampleID :

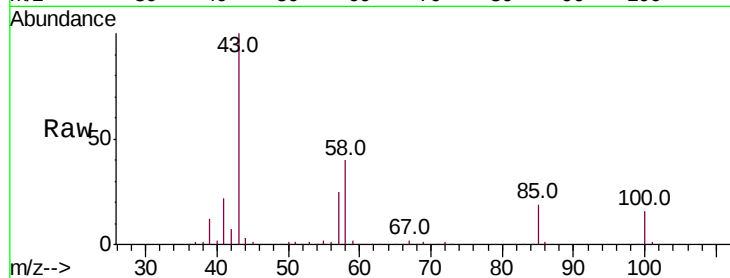
VN0528WBS01

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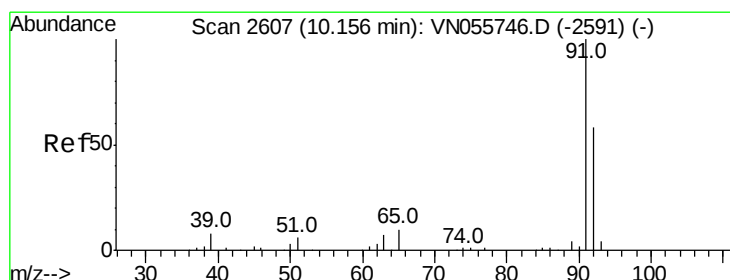
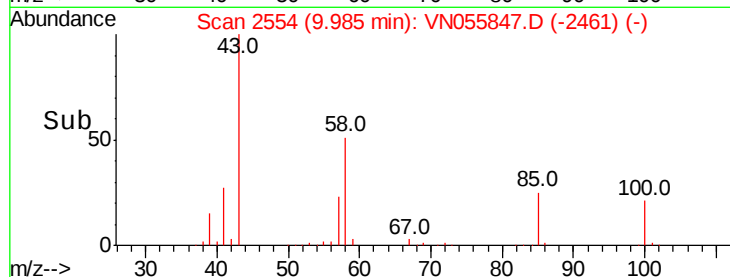
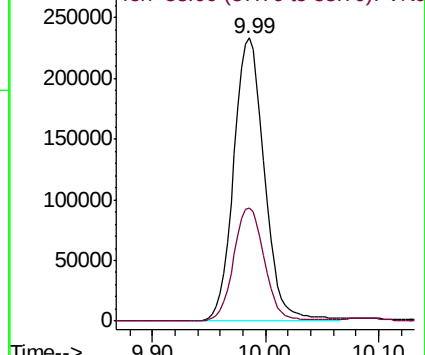
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.281 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055847.D

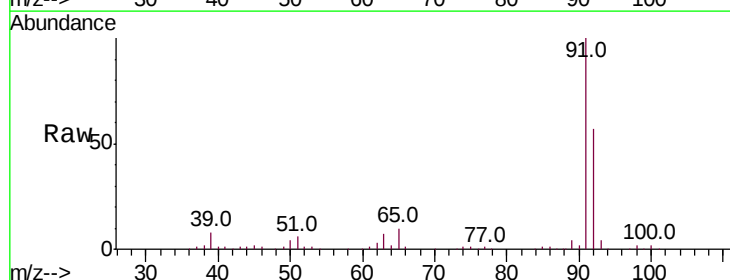
Acq: 28 May 2019 12:51

Tgt Ion: 92 Resp: 174372

Ion Ratio Lower Upper

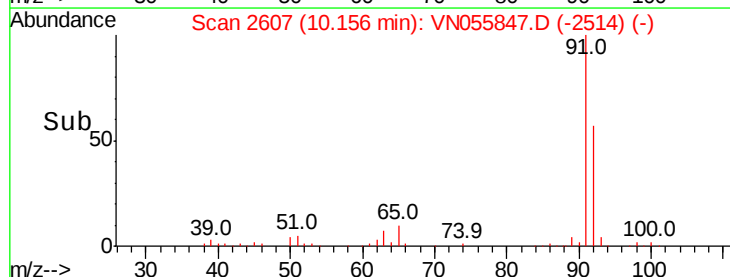
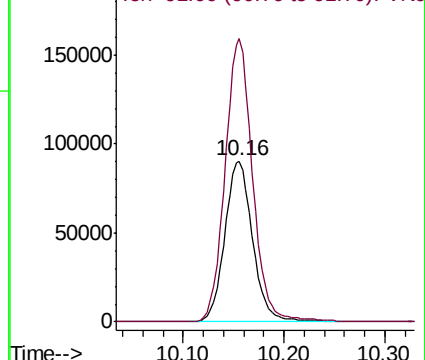
92 100

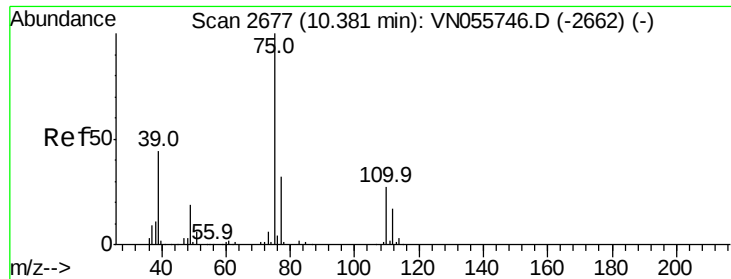
91 174.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





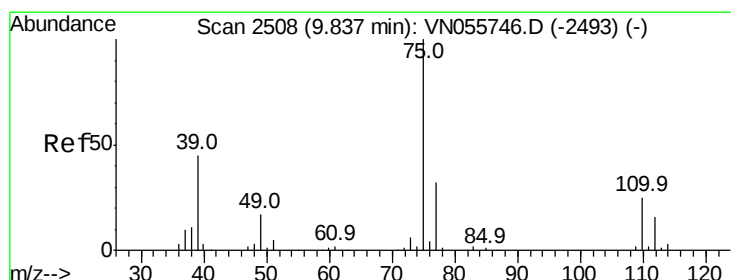
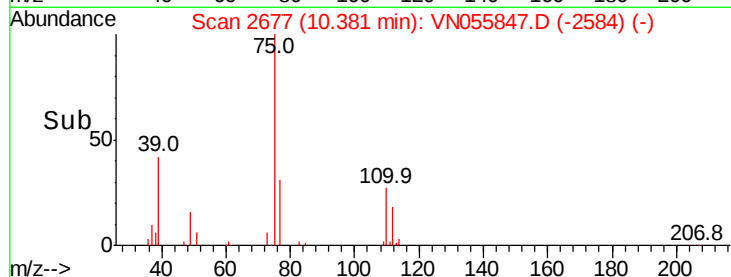
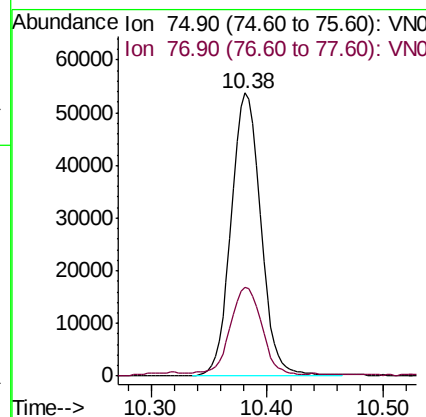
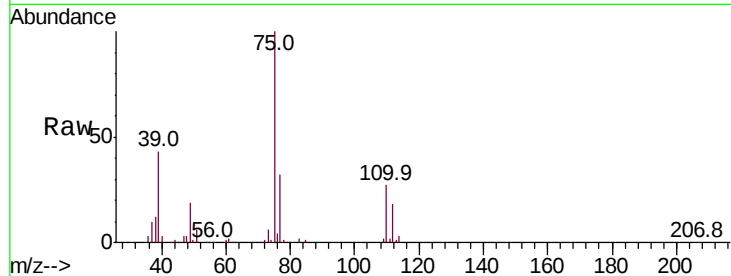
#53
t-1,3-Dichloropropene
Concen: 18.601 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6

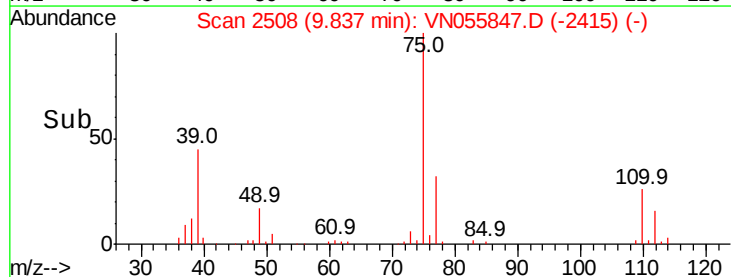
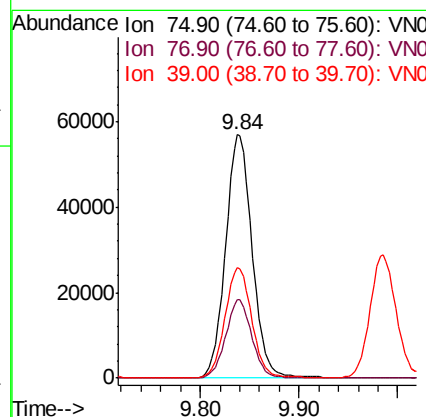
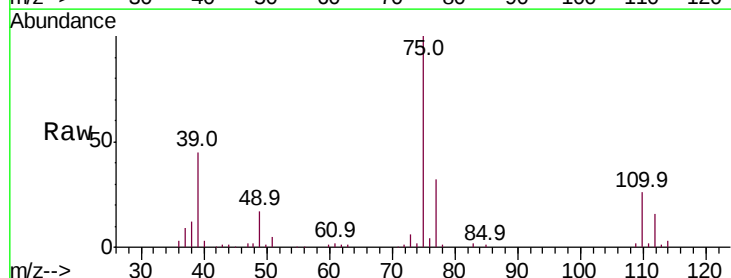
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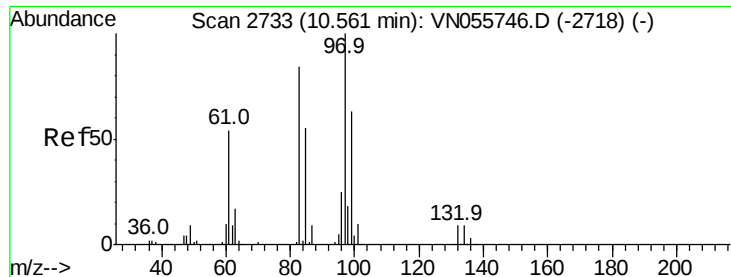
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.009 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	45.4	36.3	54.5





#55

1,1,2-Trichloroethane

Concen: 20.330 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0528WBS01

Tot Ion: 97 Resp: 70026

Ion Ratio Lower Upper

97 100

83 84.1 67.0 100.6

85 54.2 44.0 66.0

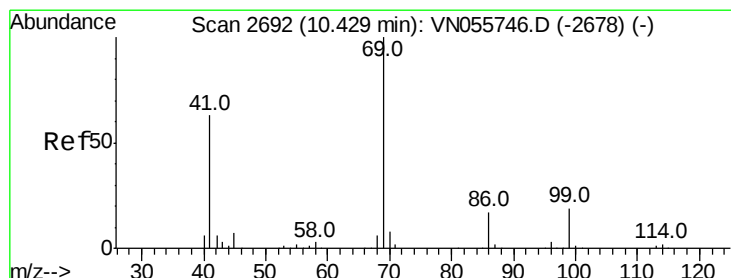
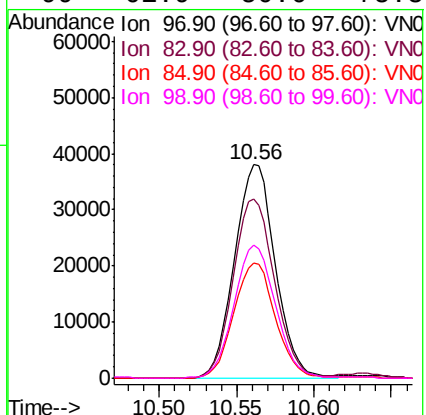
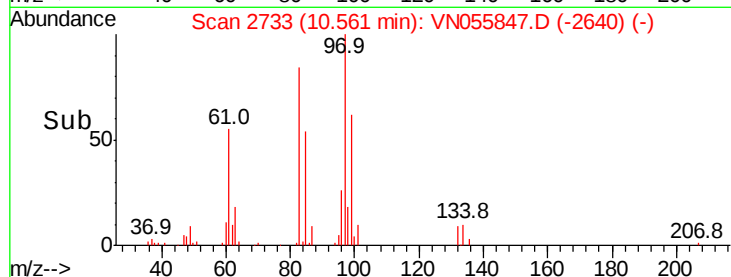
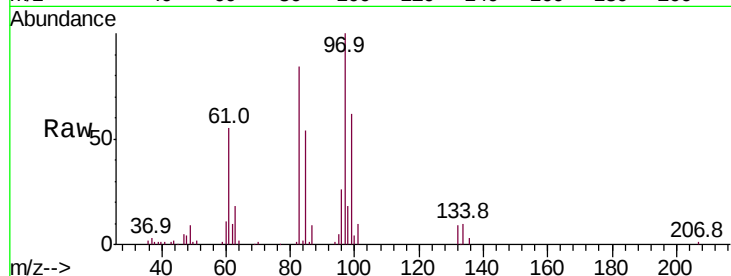
99 61.9 50.6 75.8

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#56

Ethyl methacrylate

Concen: 19.739 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

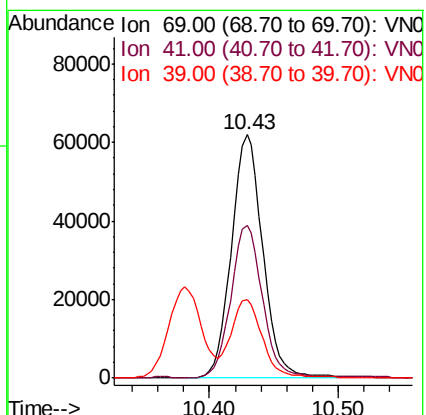
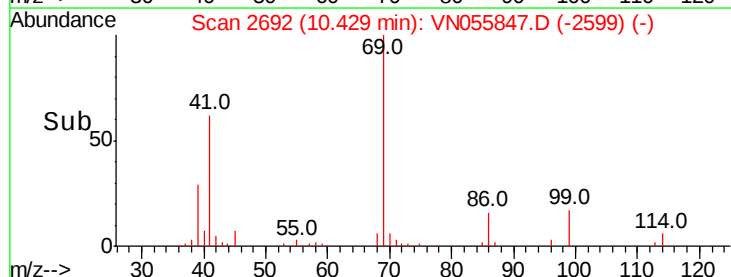
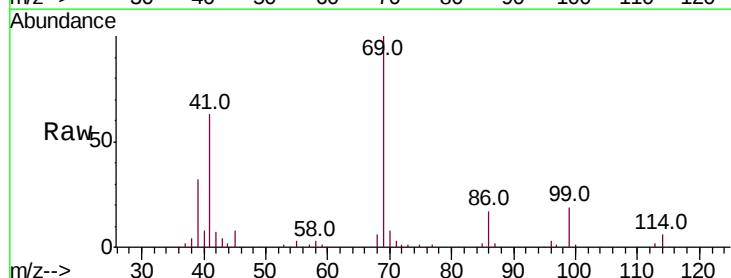
Tgt Ion: 69 Resp: 105077

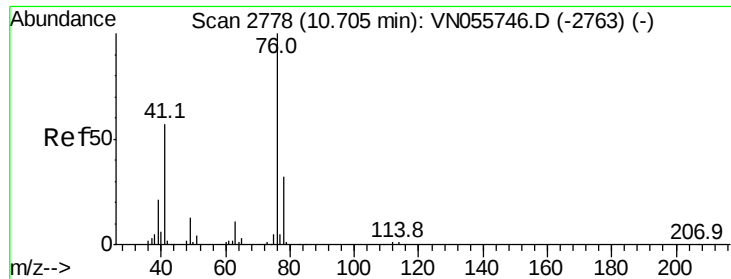
Ion Ratio Lower Upper

69 100

41 62.4 49.7 74.5

39 31.9 24.7 37.1





#57

1,3-Dichloropropane

Concen: 20.220 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 76 Resp: 113204

Ion Ratio Lower Upper

76 100

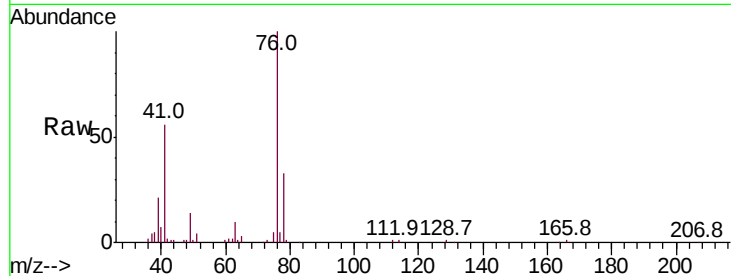
78 33.2 25.8 38.6

Manual Integrations

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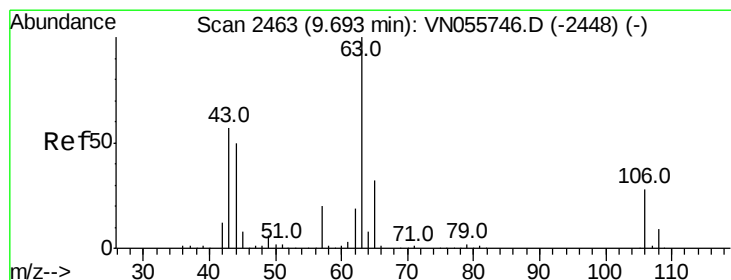
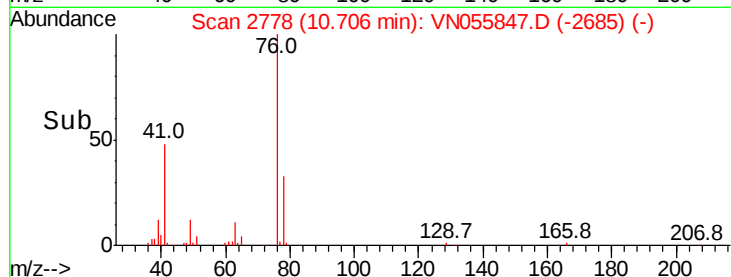
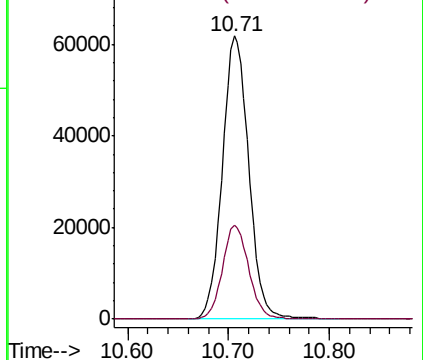
MMDadoda

5/29/2019 11:09:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.626 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055847.D

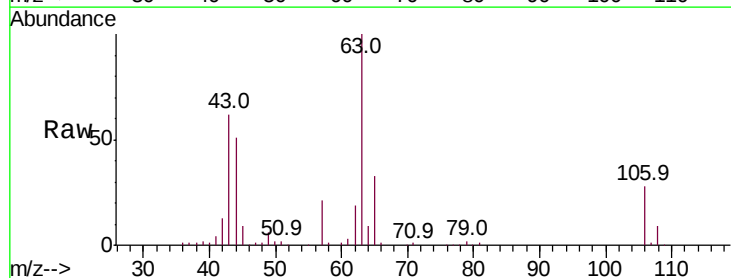
Acq: 28 May 2019 12:51

Tgt Ion: 63 Resp: 186395

Ion Ratio Lower Upper

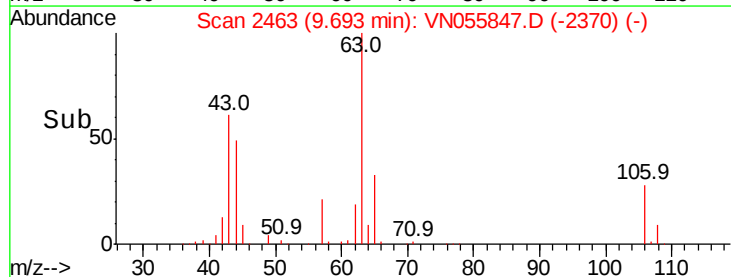
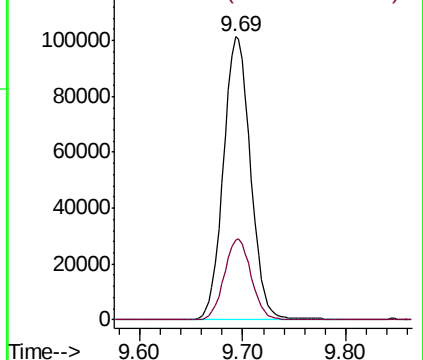
63 100

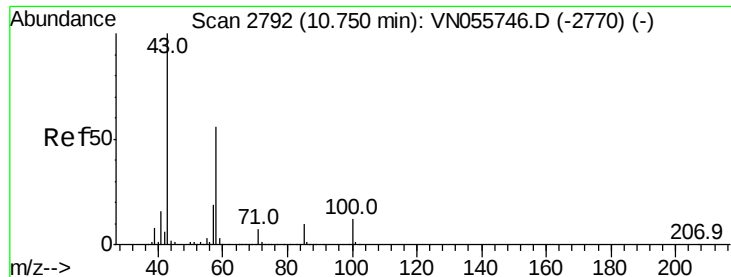
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





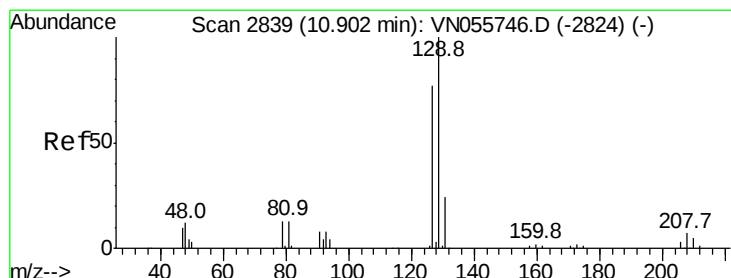
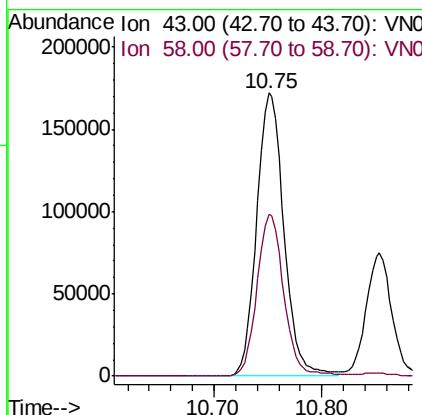
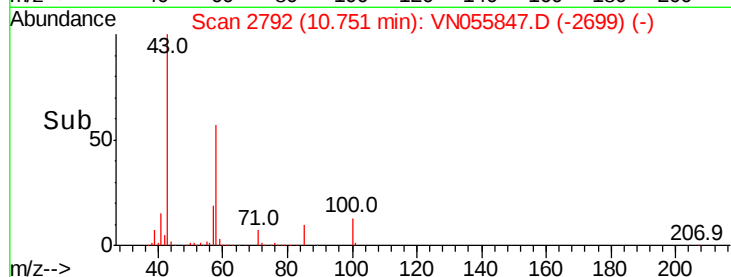
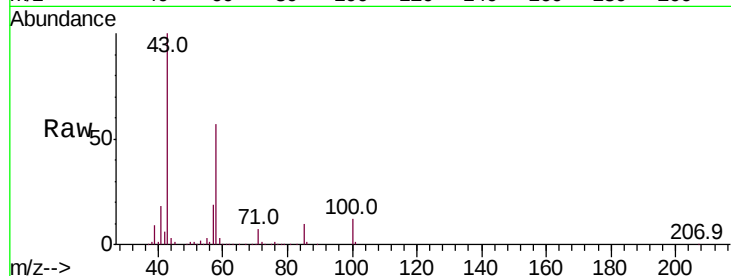
#59
2-Hexanone
Concen: 97.397 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 43 Resp: 300583
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

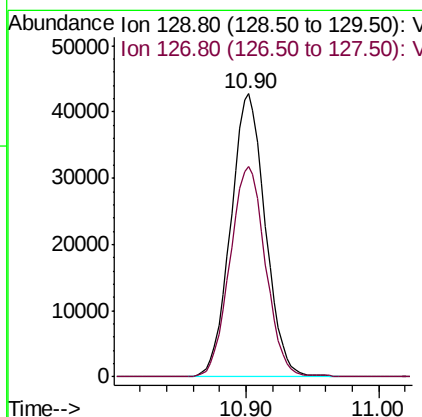
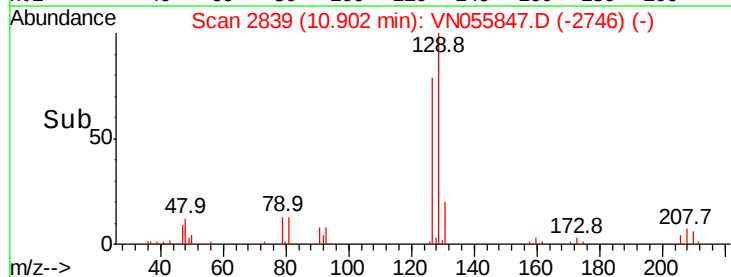
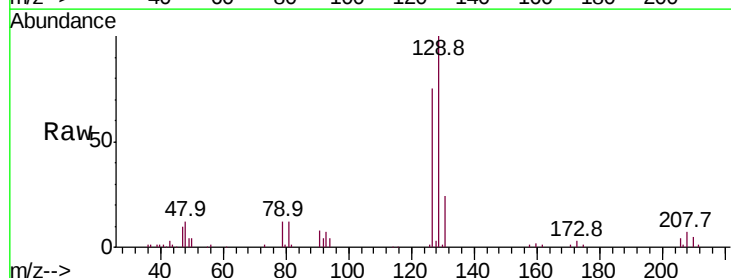
Manual Integrations
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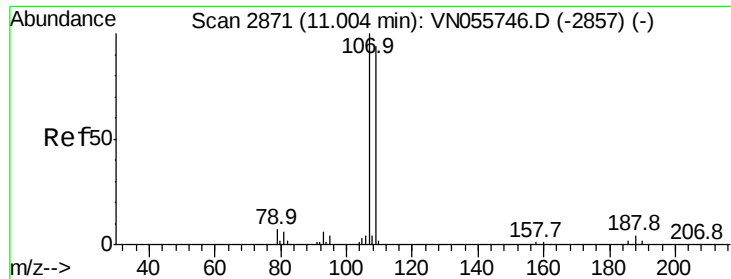
MMDadoda
5/29/2019 11:09:48 AM



#60
Dibromochloromethane
Concen: 19.285 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 129 Resp: 77382
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





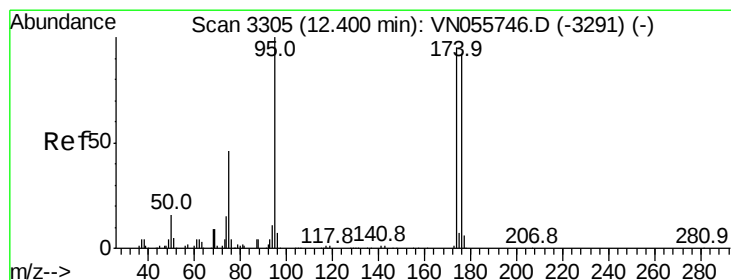
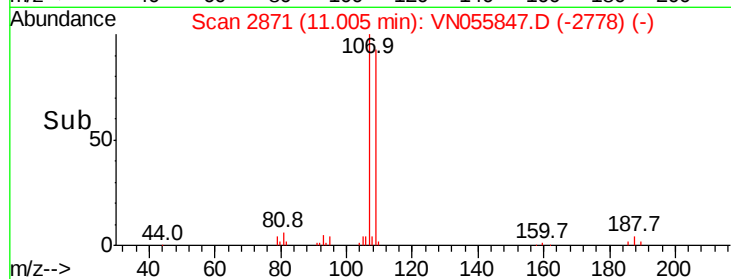
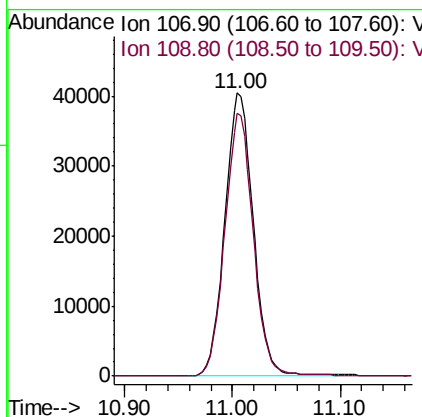
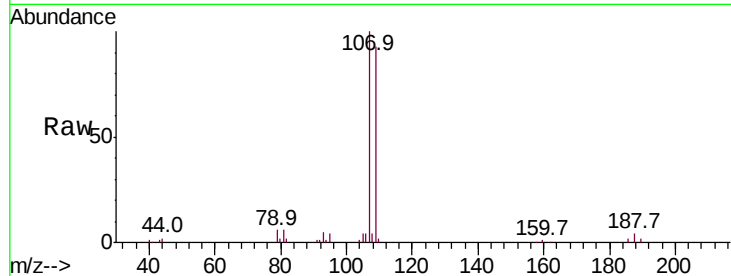
#61
 1,2-Dibromoethane
 Concen: 20.852 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.8	112.2

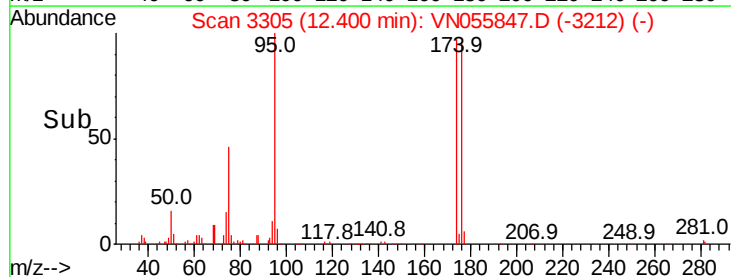
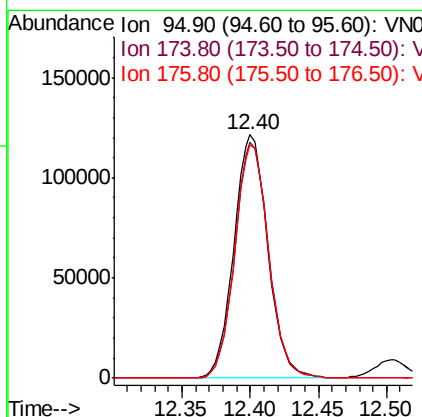
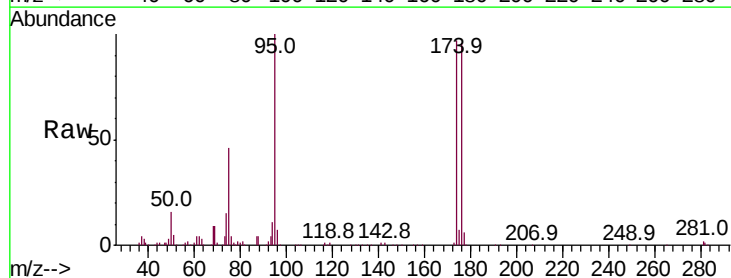
Manual Integrations
 APPROVED

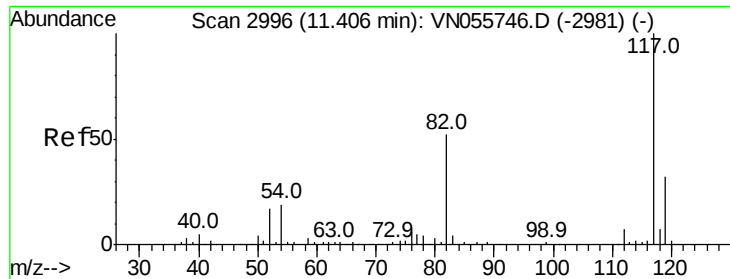
MMDadoda
 5/29/2019 11:09:48 AM



#62
 4-Bromofluorobenzene
 Concen: 48.391 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	191.0
176	95.7	0.0	185.2





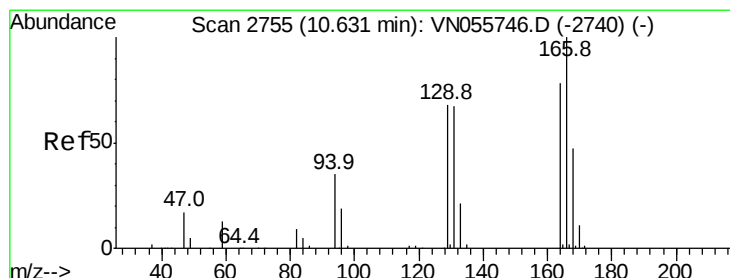
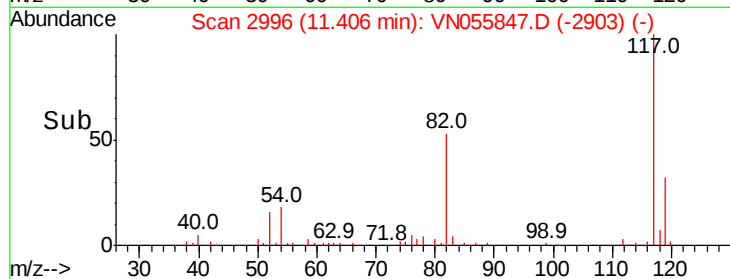
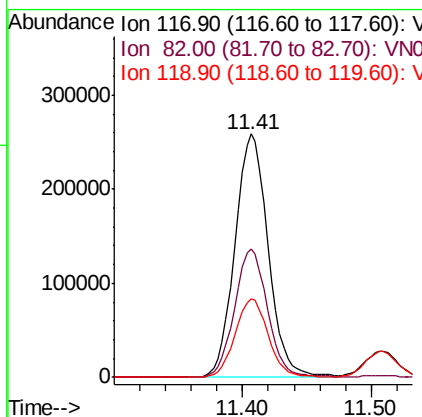
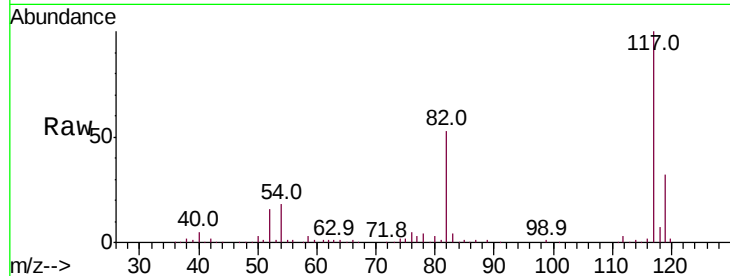
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.3	25.4	38.0

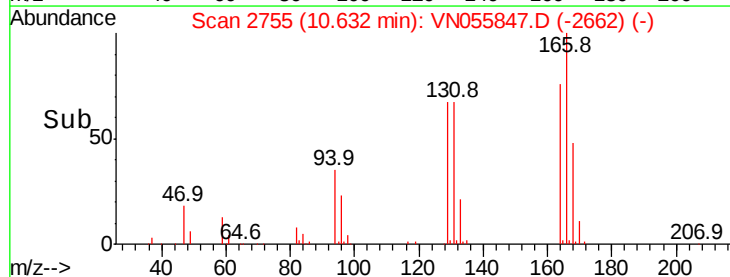
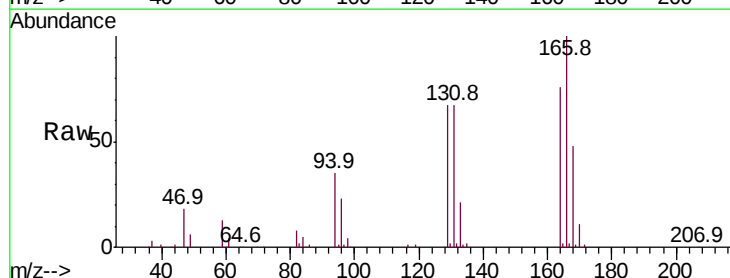
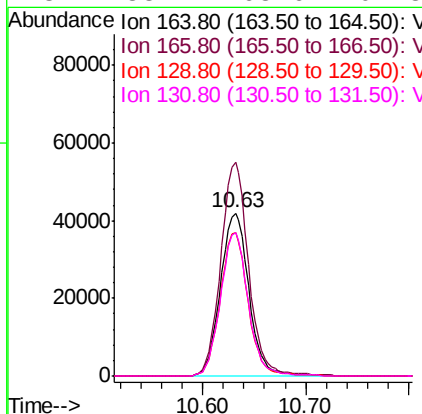
Manual Integrations
APPROVED

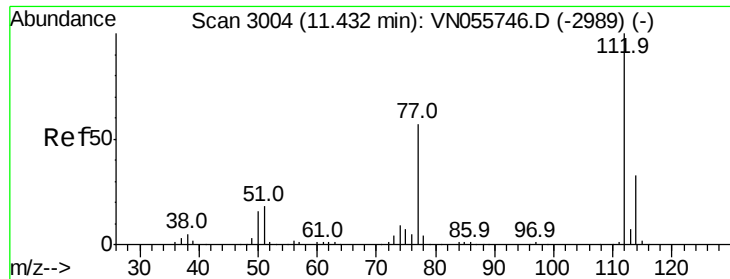
MMDadoda
5/29/2019 11:09:48 AM



#64
Tetrachloroethene
Concen: 20.652 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	103.0	154.6
129	88.2	70.6	105.8
131	88.2	68.6	102.8





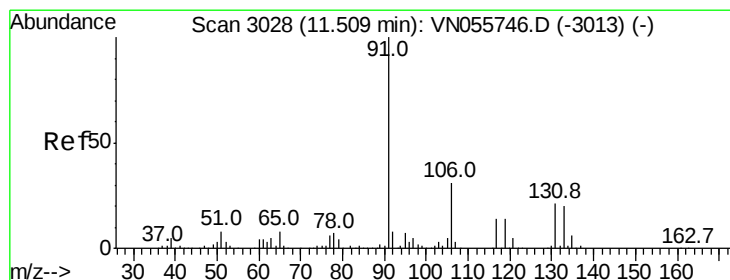
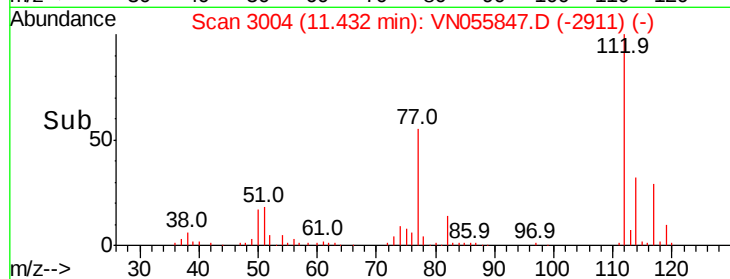
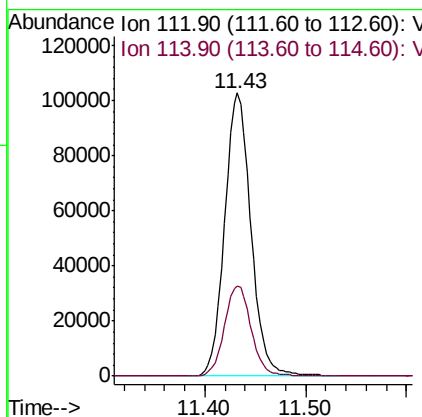
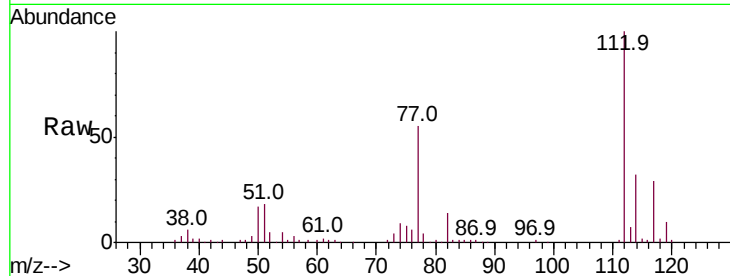
#65
Chlorobenzene
Concen: 20.171 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion:112 Resp: 187366
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

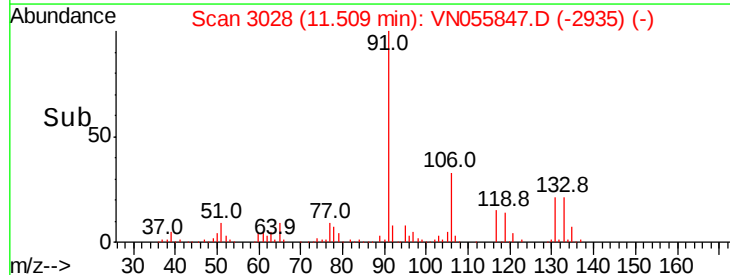
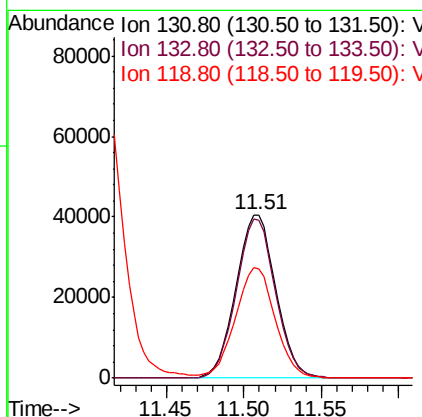
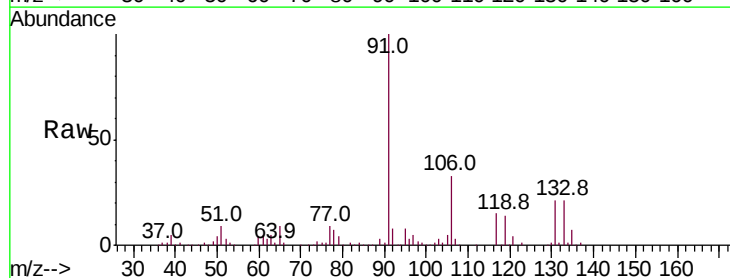
Manual Integrations
APPROVED

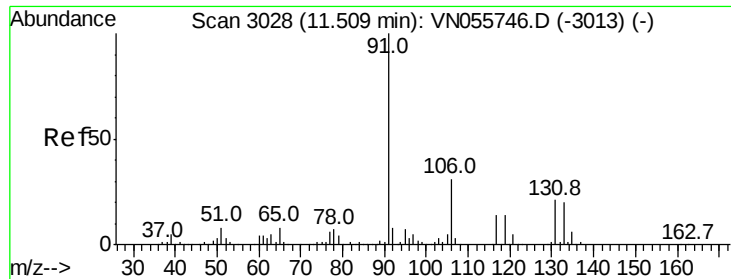
MMDadoda
5/29/2019 11:09:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:131 Resp: 72387
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 67.8 33.1 99.5





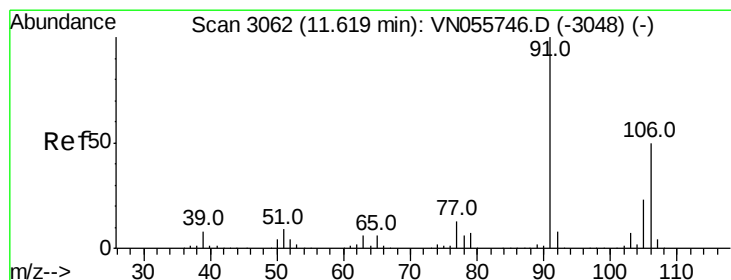
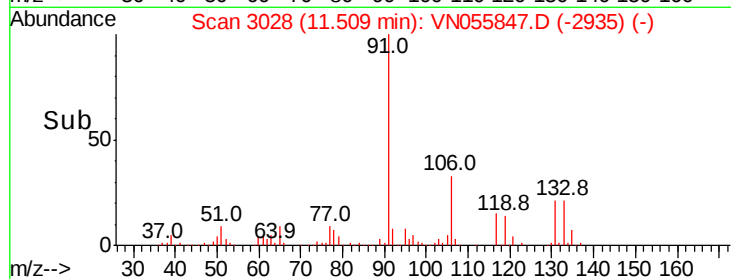
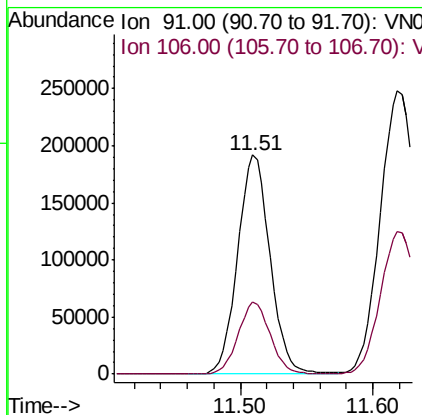
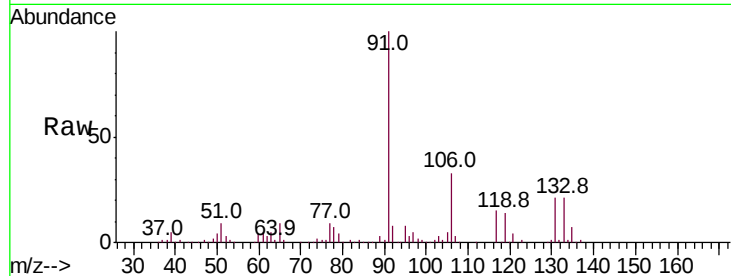
#67
Ethyl Benzene
Concen: 19.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion: 91 Resp: 326409
Ion Ratio Lower Upper
91 100
106 32.7 25.1 37.7

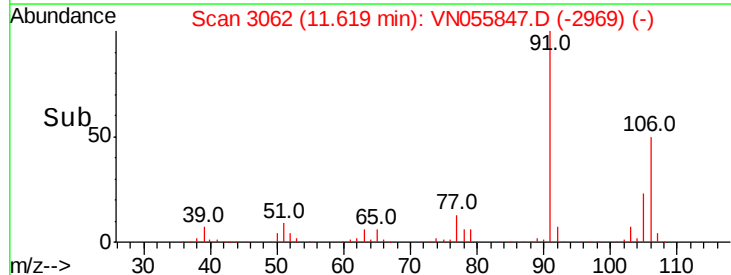
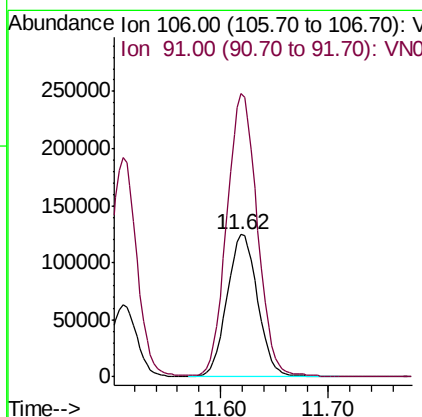
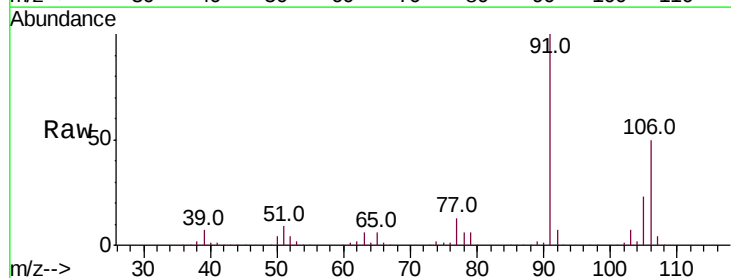
Manual Integrations
APPROVED

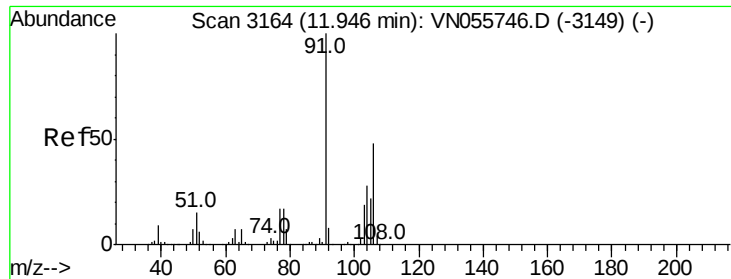
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5/29/2019 11:09:48 AM



#68
m/p-Xylenes
Concen: 39.439 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 106 Resp: 248361
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





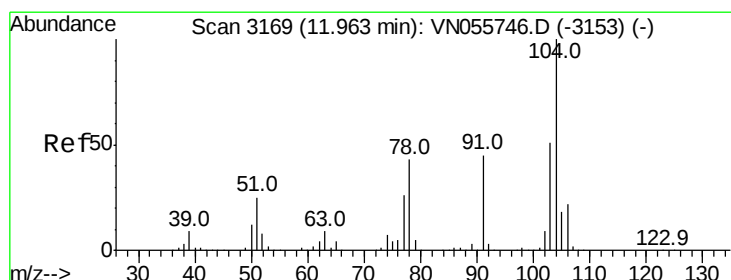
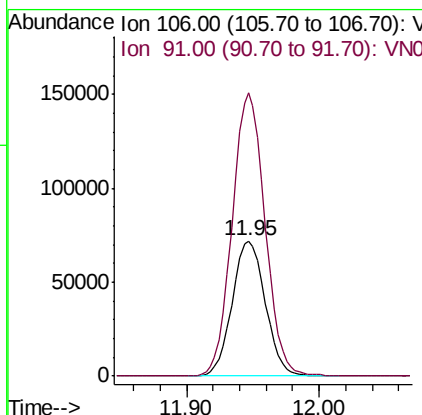
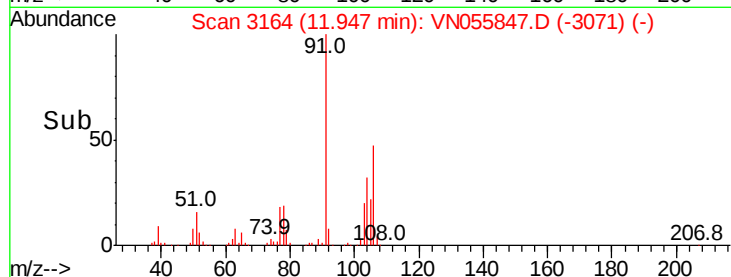
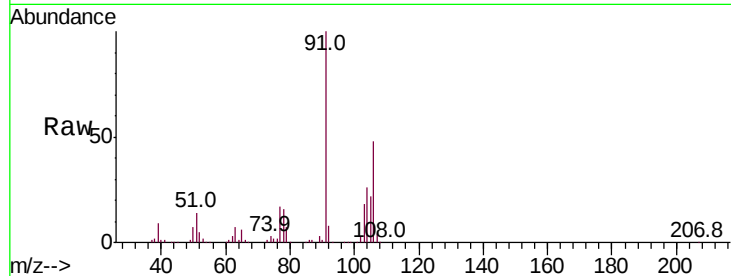
#69
o-Xylene
Concen: 20.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion:106 Resp: 125241
Ion Ratio Lower Upper
106 100
91 207.3 104.7 314.1

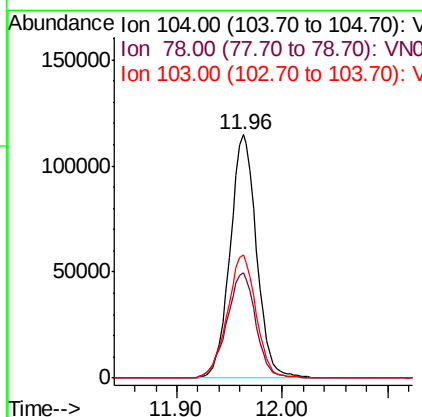
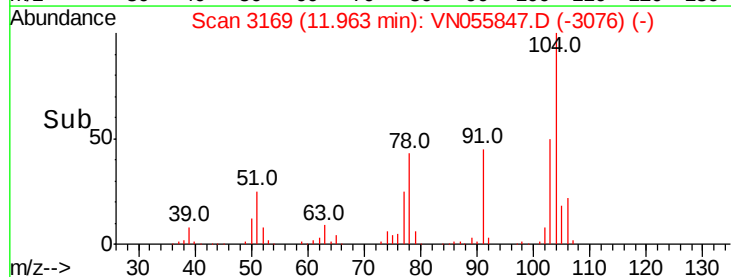
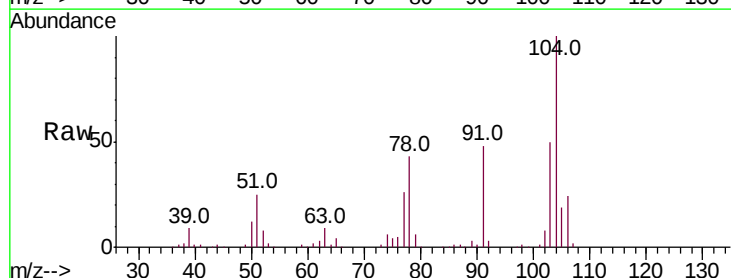
Manual Integrations
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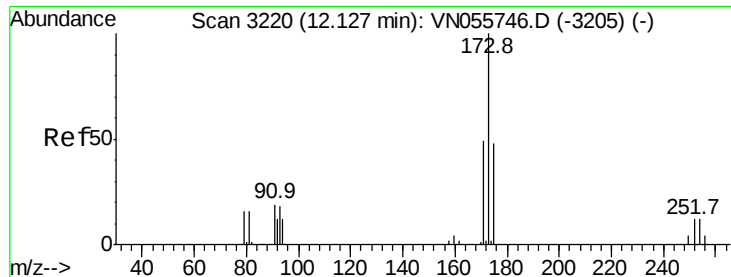
MMDadoda
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#70
Styrene
Concen: 19.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:104 Resp: 198798
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.2 44.2 66.2





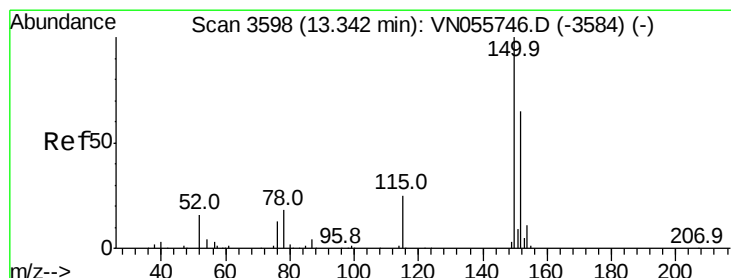
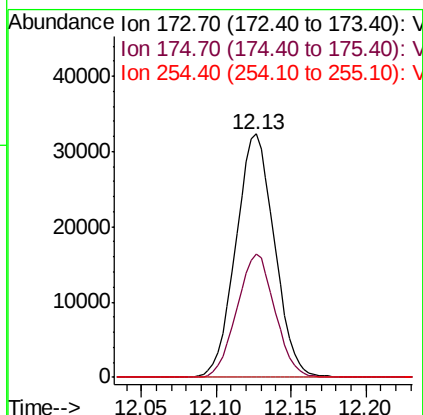
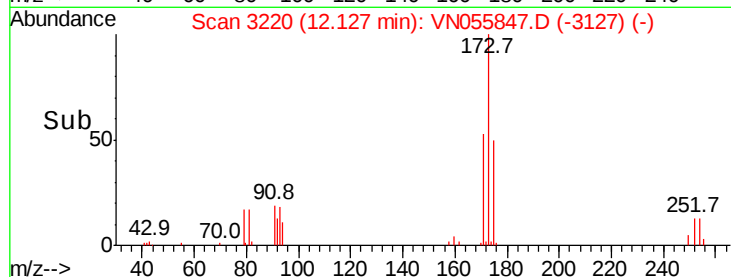
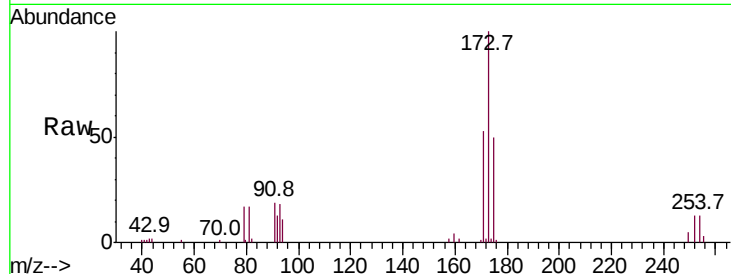
#71
Bromoform
Concen: 18.368 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0

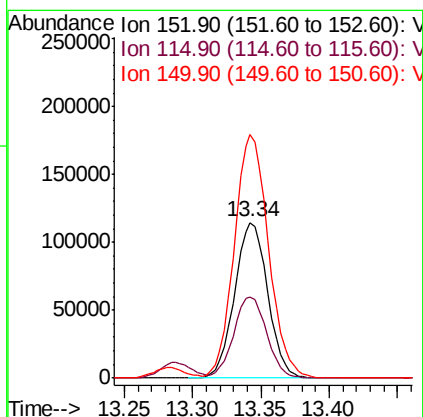
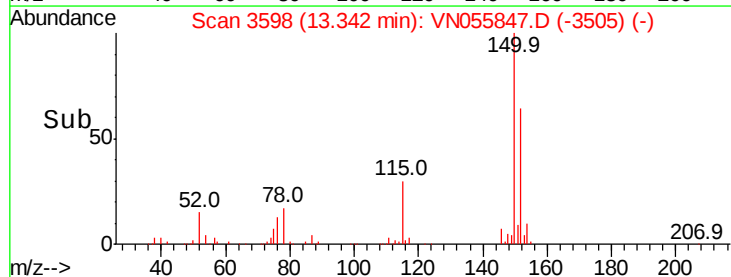
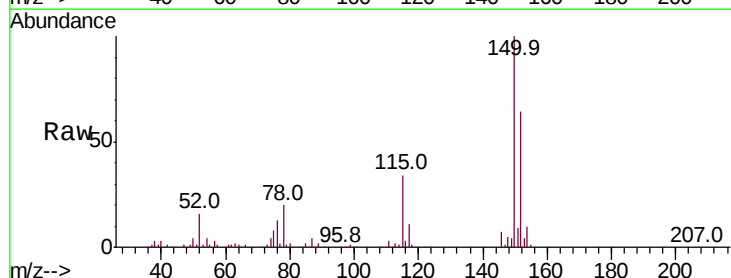
Manual Integrations
APPROVED

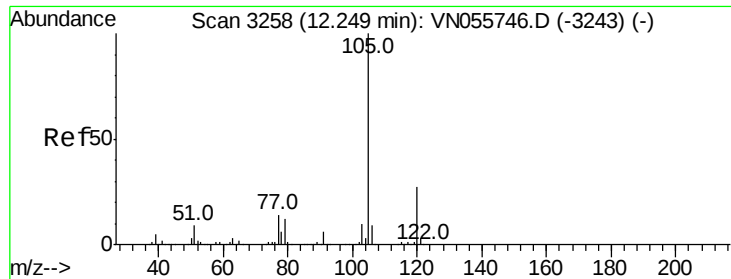
MMDadoda
5/29/2019 11:09:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.0	81.0
150	162.0	0.0	343.2





#73

Isopropylbenzene

Concen: 22.369 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion:105 Resp: 326748

Ion Ratio Lower Upper

105 100

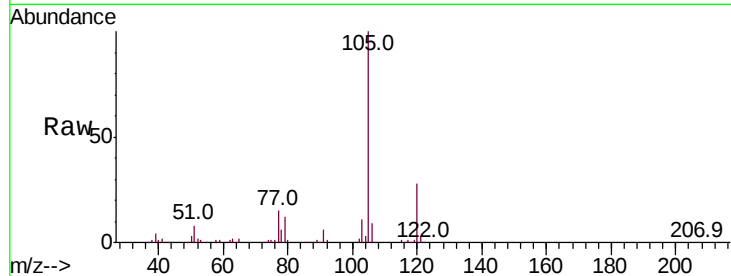
120 27.2 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:09:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

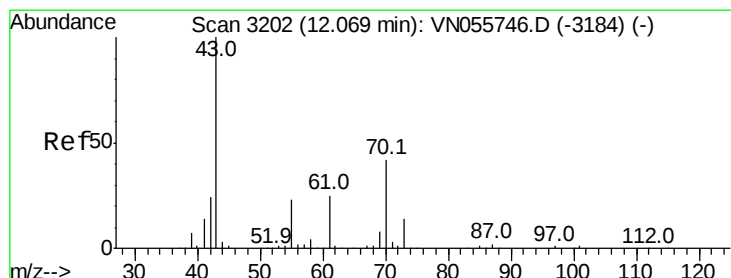
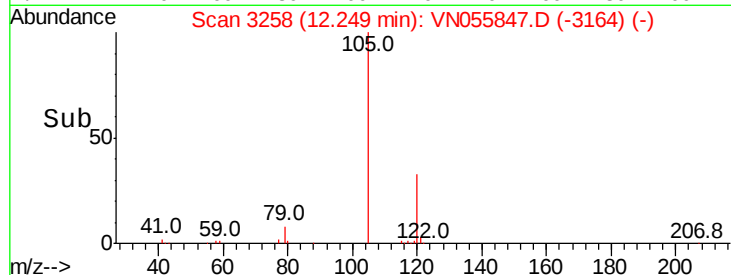
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.005 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion: 43 Resp: 111494

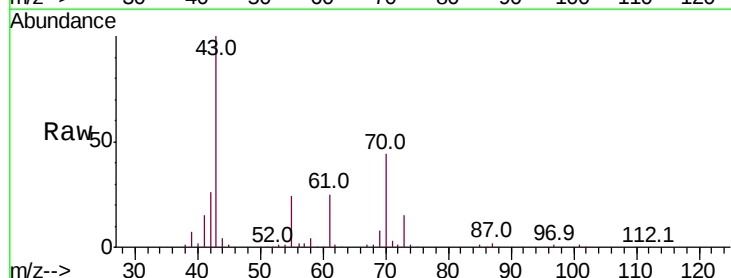
Ion Ratio Lower Upper

43 100

70 43.8 34.0 51.0

55 24.7 18.6 28.0

61 25.4 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

100000

80000

60000

40000

20000

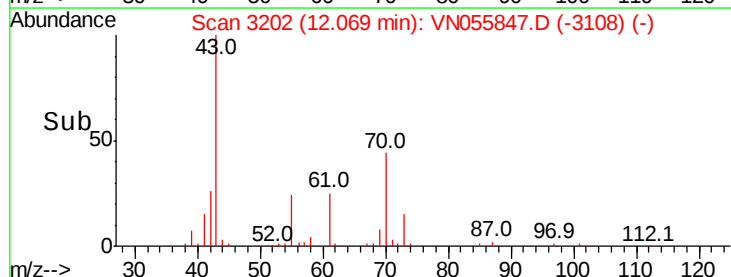
0

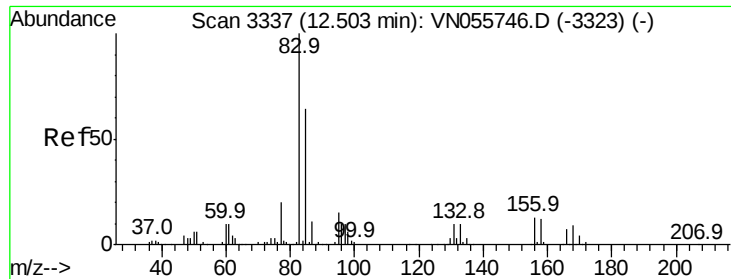
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.045 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

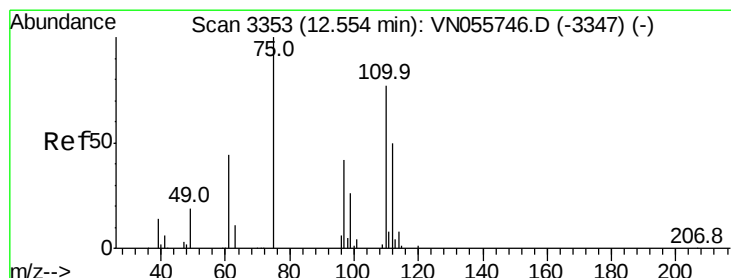
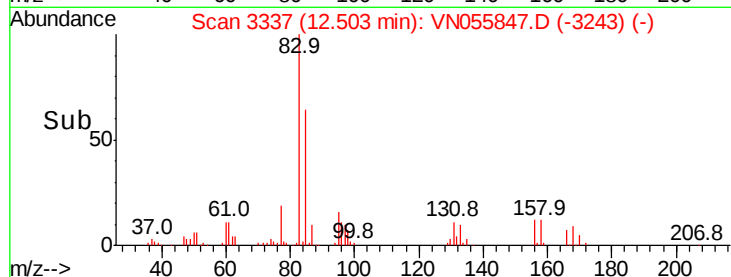
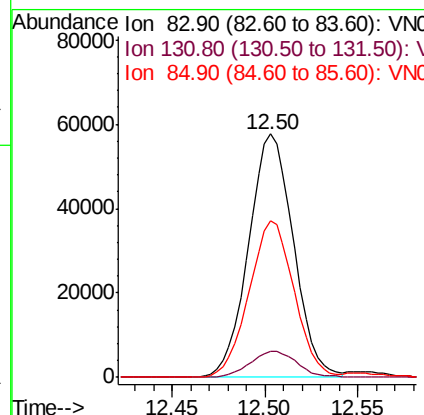
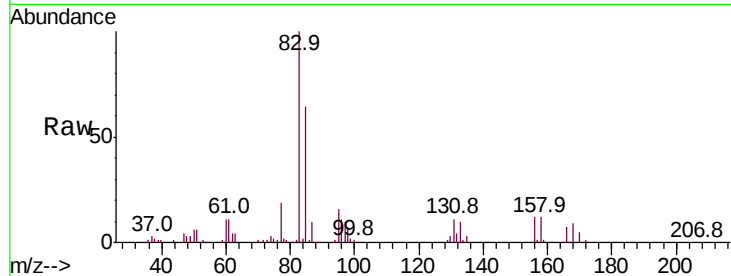
ClientSampleId :

VN0528WBS01

Tot Ion:	83	Resp:	96991
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.207 ug/l m

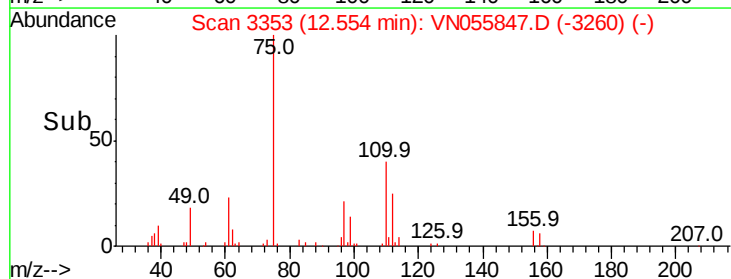
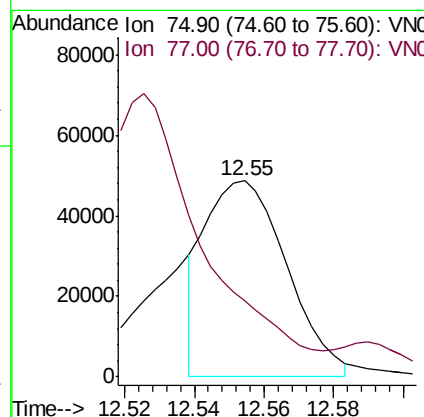
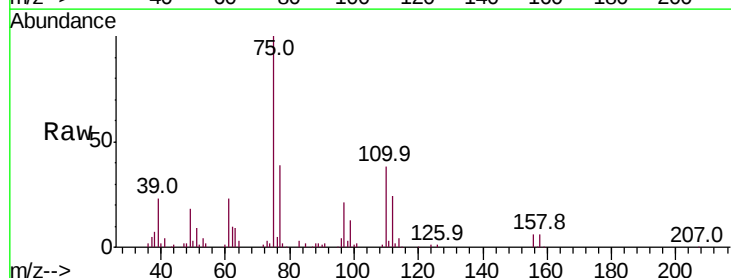
RT: 12.55 min Scan# 3353

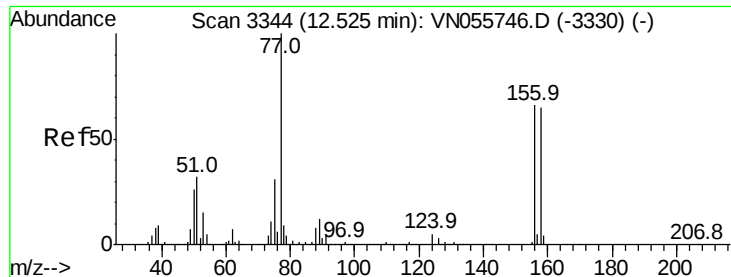
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	75	Resp:	79473
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.938 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion:156 Resp: 86078

Ion Ratio Lower Upper

156 100

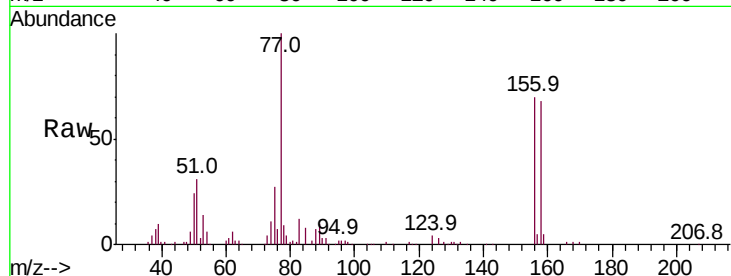
77 173.4 90.8 272.5

158 97.2 49.3 147.8

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MMDadoda

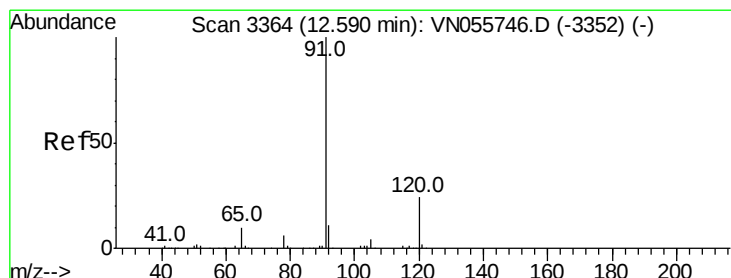
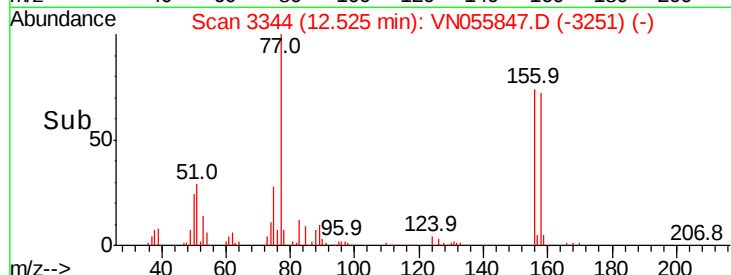
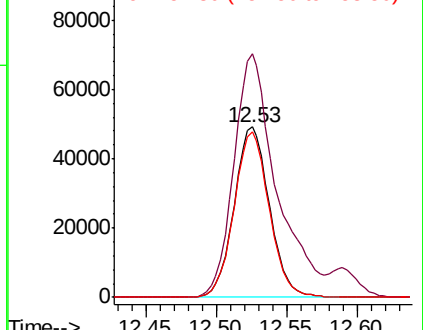
5/29/2019 11:09:48 AM



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: 19.795 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055847.D

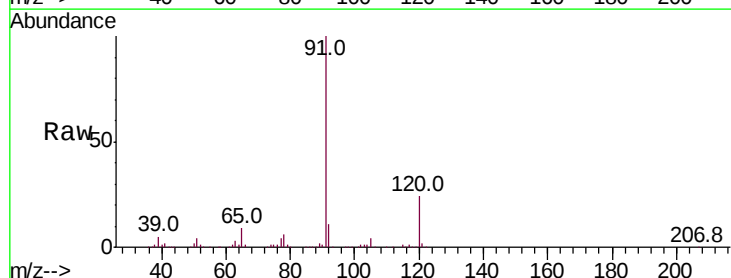
Acq: 28 May 2019 12:51

Tgt Ion: 91 Resp: 331448

Ion Ratio Lower Upper

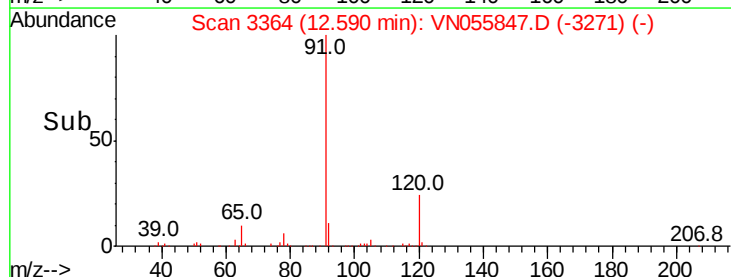
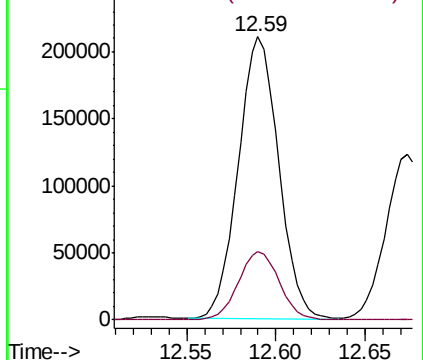
91 100

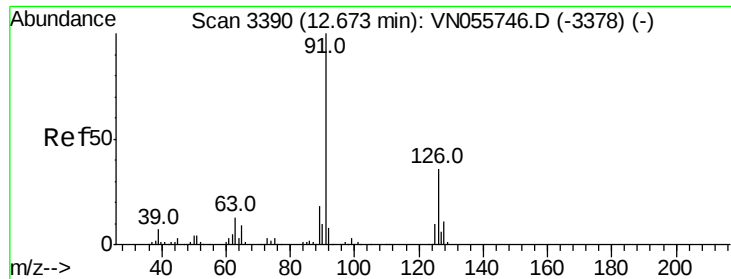
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.564 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 91 Resp: 207569

Ion Ratio Lower Upper

91 100

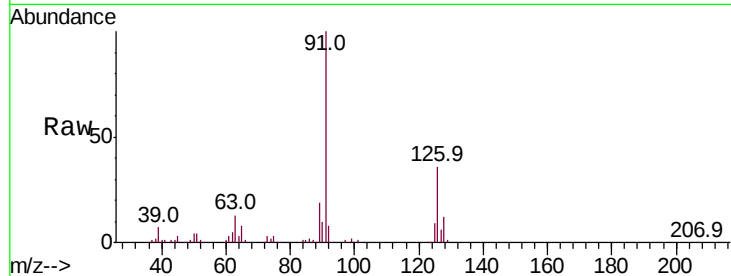
126 36.9 18.1 54.4

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

200000

150000

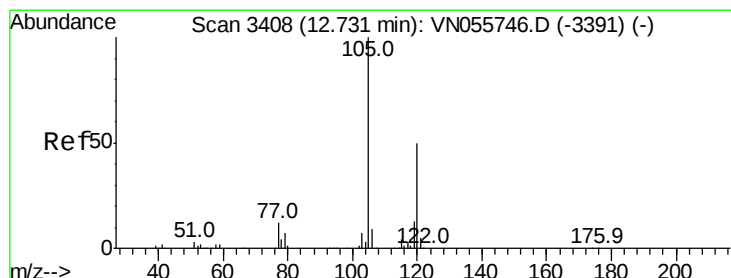
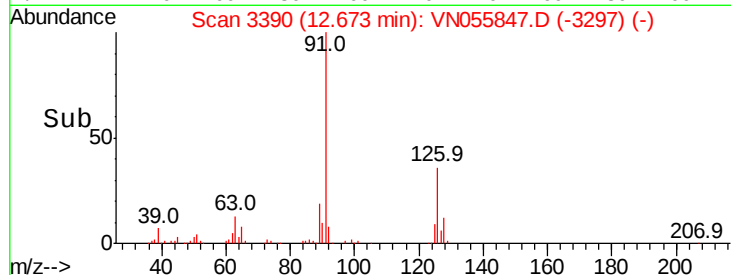
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.346 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055847.D

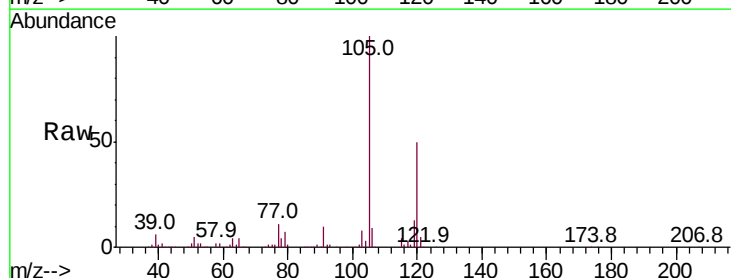
Acq: 28 May 2019 12:51

Tgt Ion:105 Resp: 263150

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1



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

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

150000

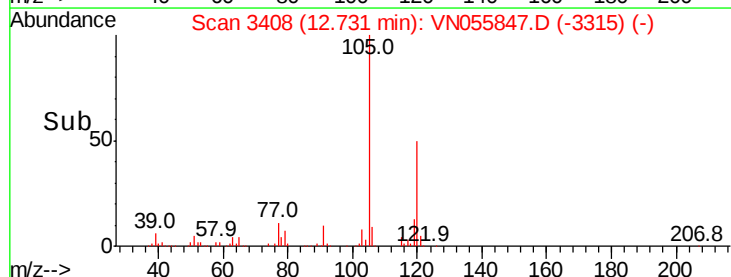
100000

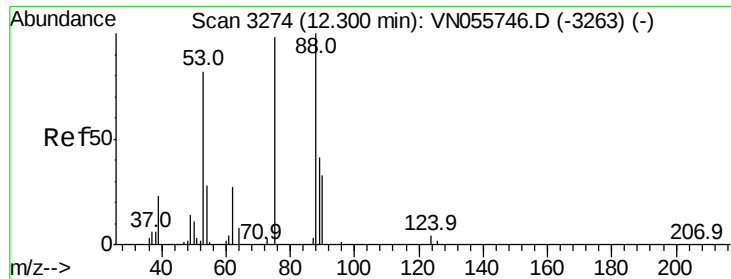
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.004 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

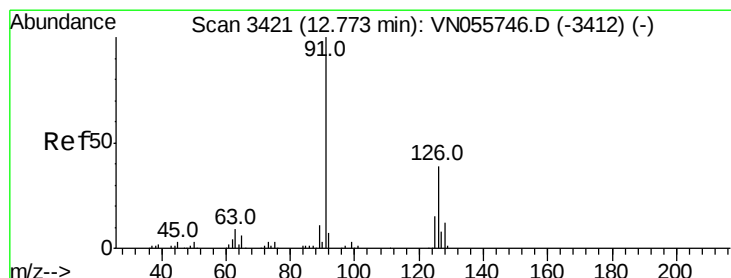
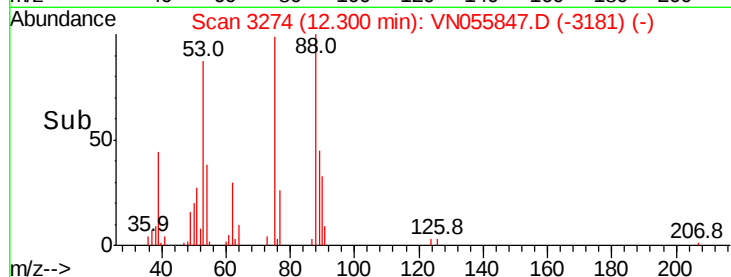
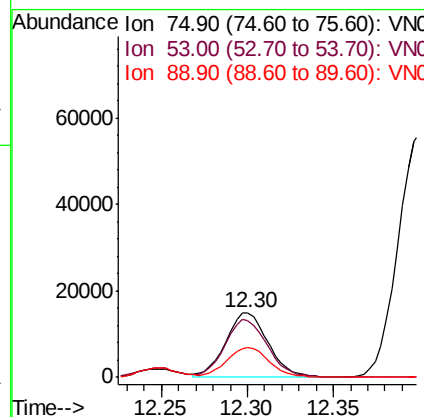
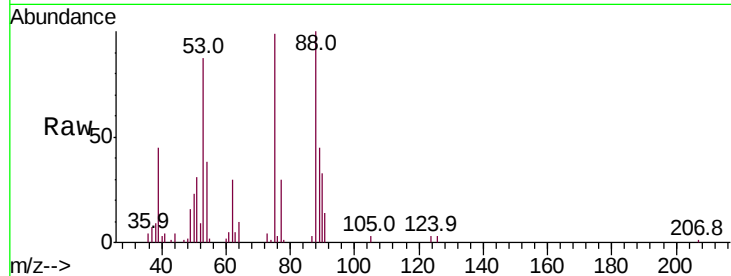
ClientSampleId :

VN0528WBS01

Tot Ion:	75	Resp:	25779
Ion	Ratio	Lower	Upper
75	100		
53	90.4	68.1	102.1
89	46.0	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.748 ug/l

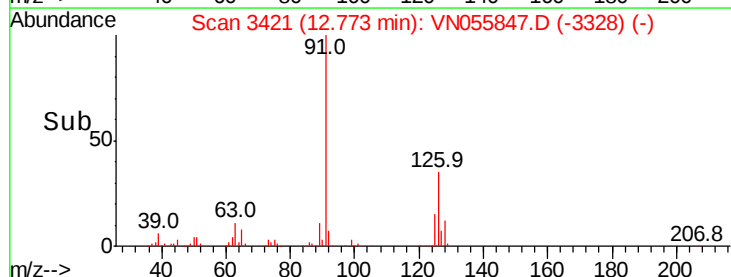
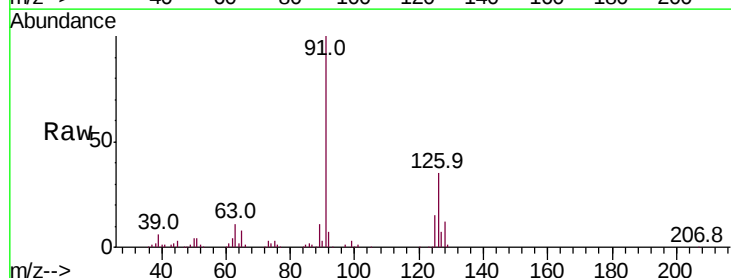
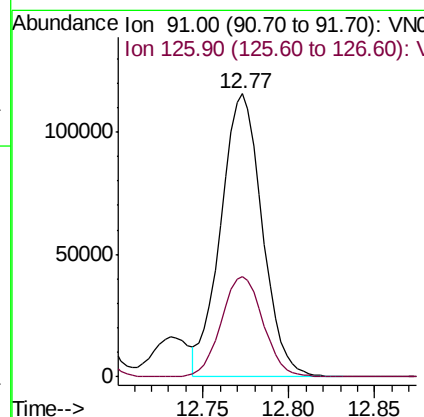
RT: 12.77 min Scan# 3421

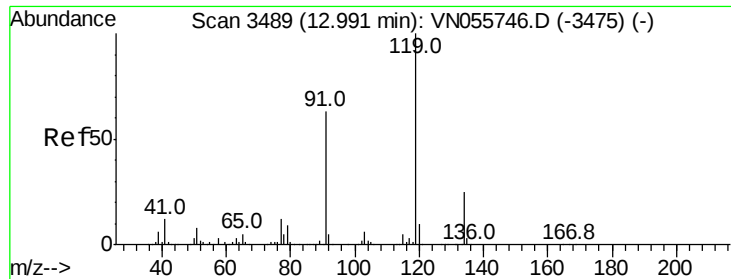
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	91	Resp:	194378
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





#83

tert-Butylbenzene

Concen: 22.201 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

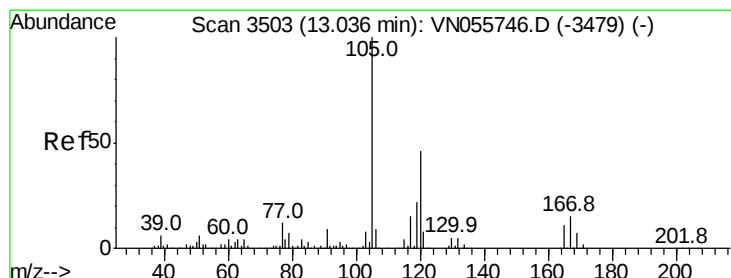
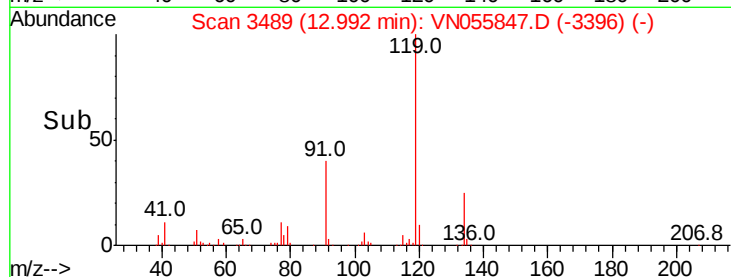
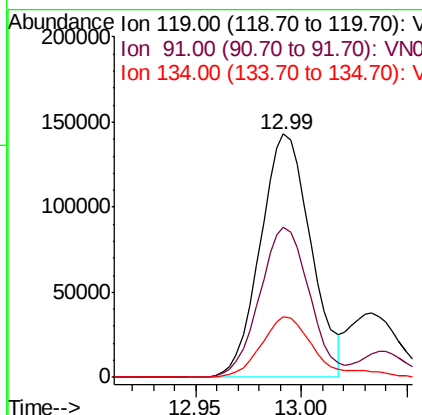
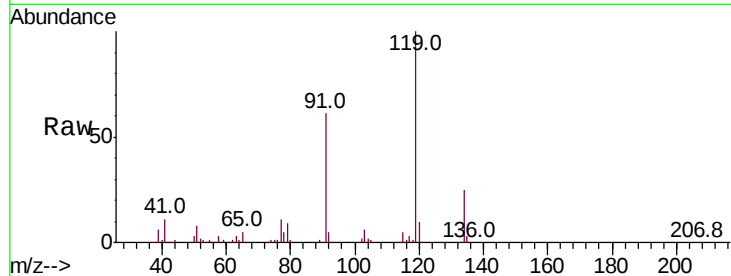
ClientSampleId :

VN0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238148		
91	61.0	30.9	92.8	
134	26.4	13.3	39.8	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.365 ug/l

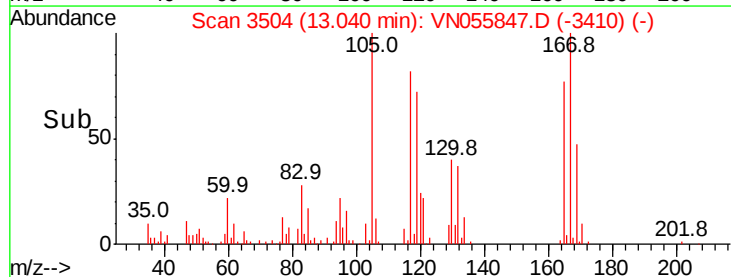
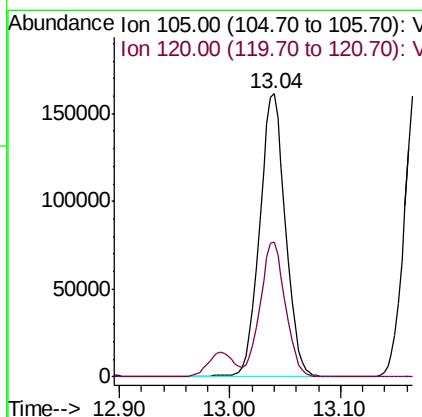
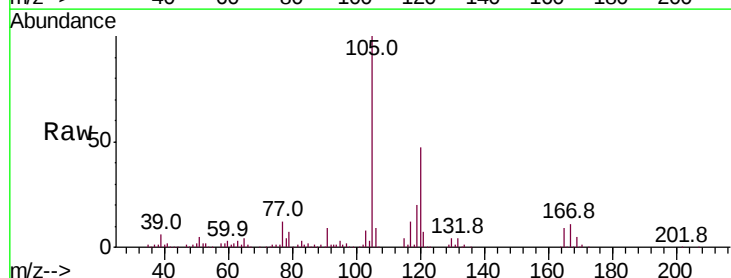
RT: 13.04 min Scan# 3504

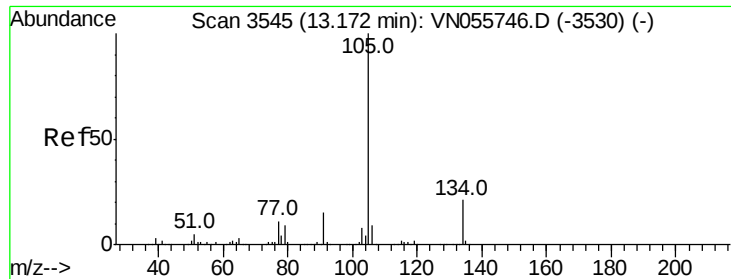
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261492		
120	46.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 21.529 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion:105 Resp: 296655

Ion Ratio Lower Upper

105 100

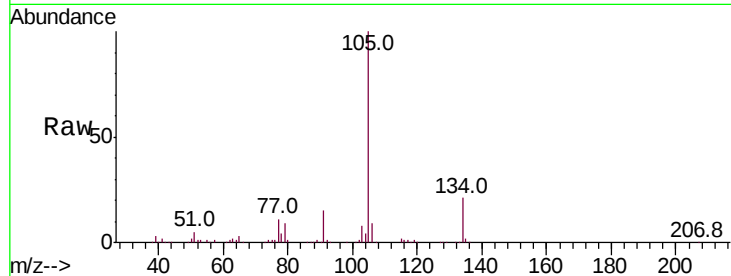
134 21.1 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

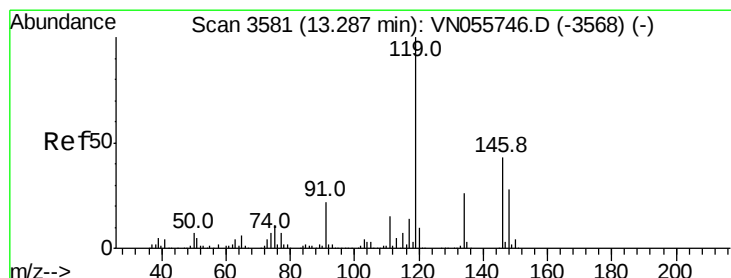
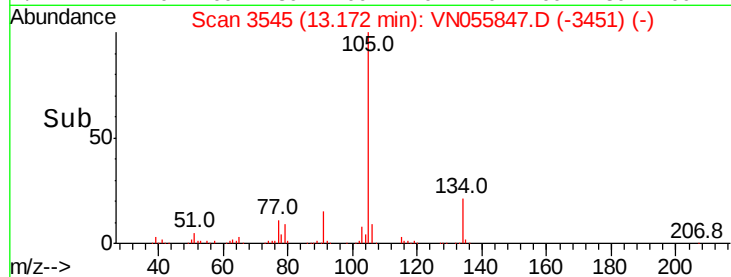
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.904 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

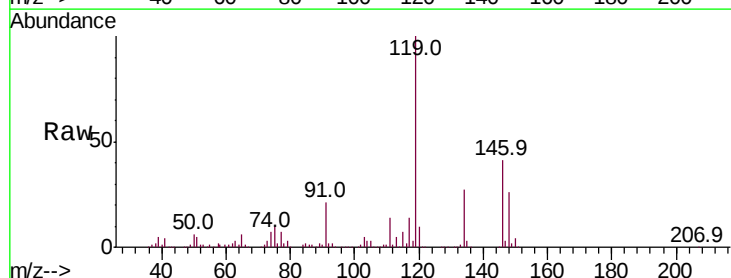
Tgt Ion:119 Resp: 266292

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.1 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

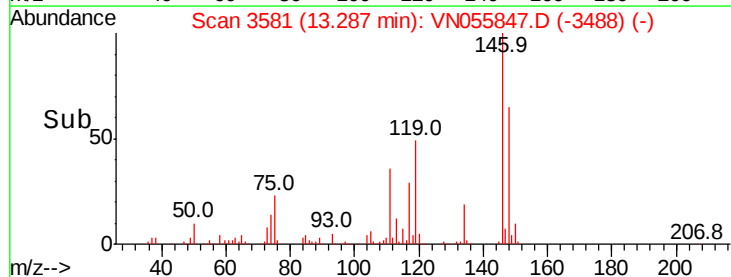
150000

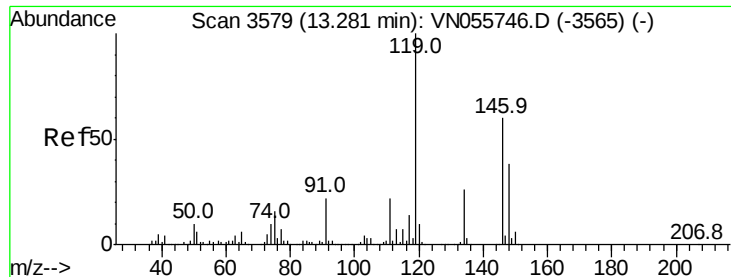
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.955 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

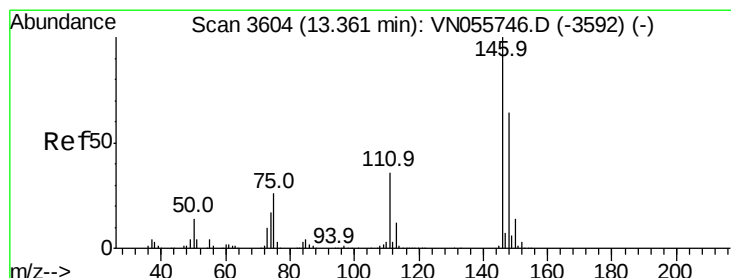
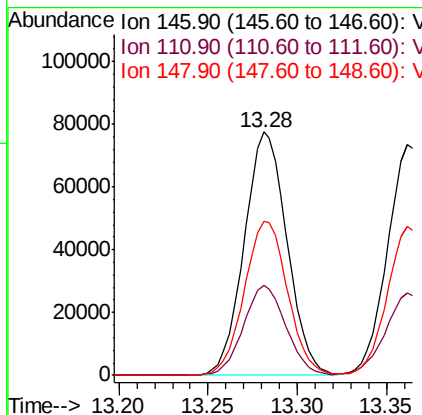
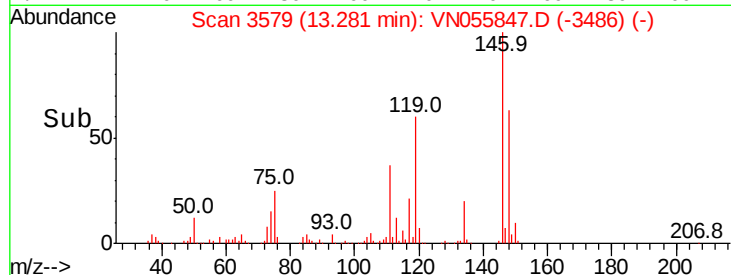
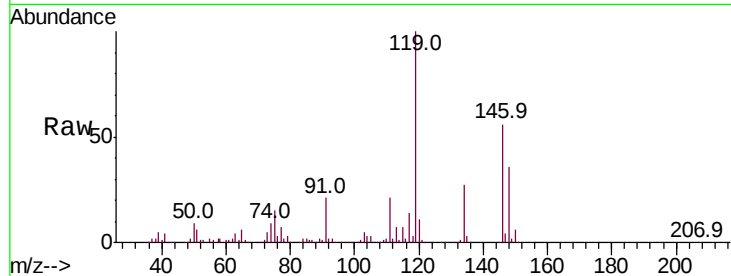
ClientSampleId :

VN0528WBS01

Tot Ion:	146	Resp:	129899
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.5	55.5
148	64.0	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.718 ug/l

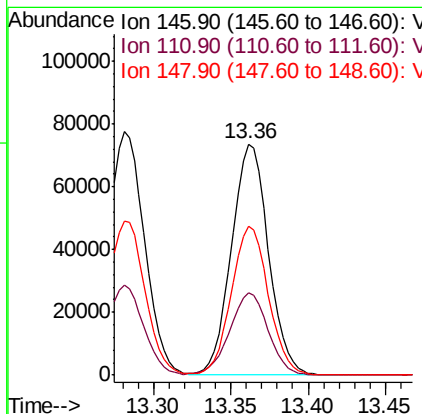
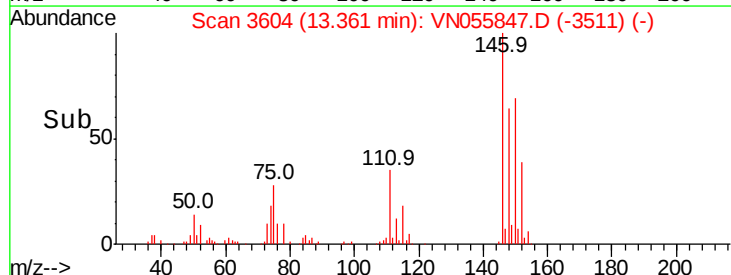
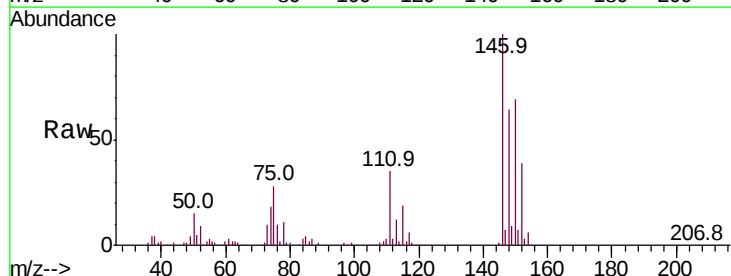
RT: 13.36 min Scan# 3604

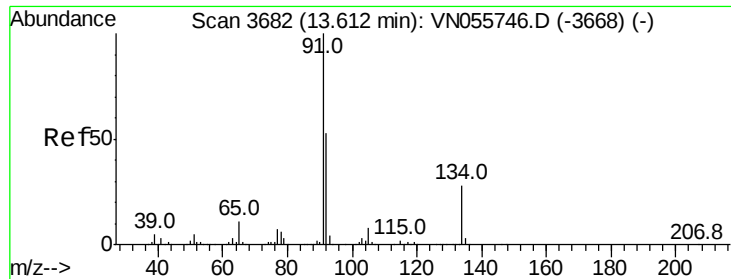
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	146	Resp:	122036
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.1	54.4
148	64.7	32.1	96.5





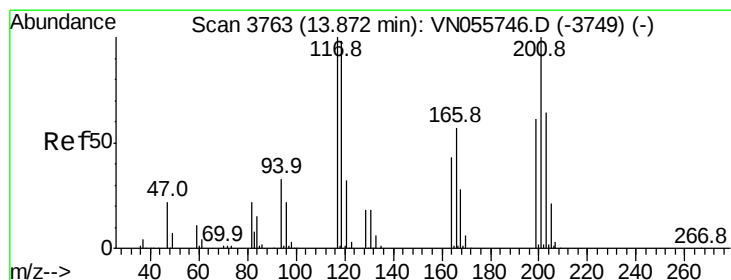
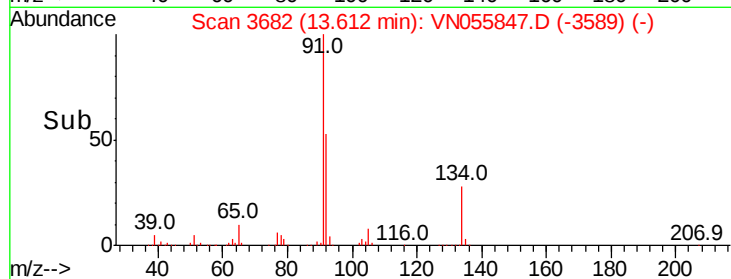
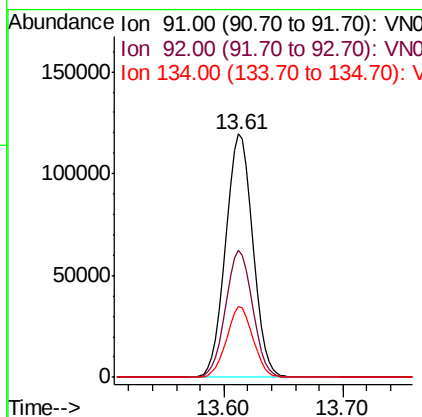
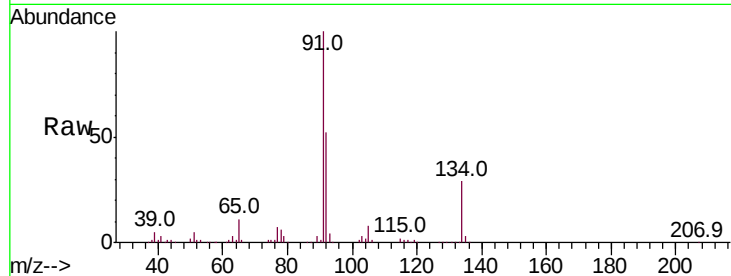
#89
n-Butylbenzene
Concen: 18.496 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	189609		
92	51.8	26.4	79.0	
134	28.2	13.9	41.7	

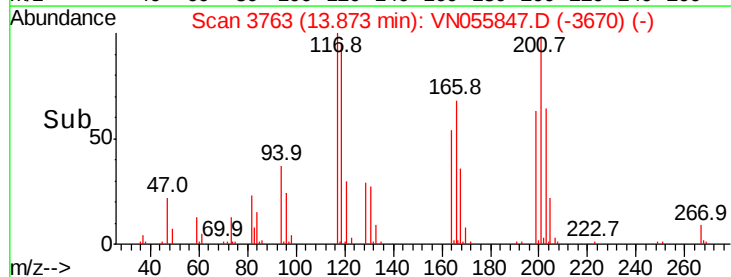
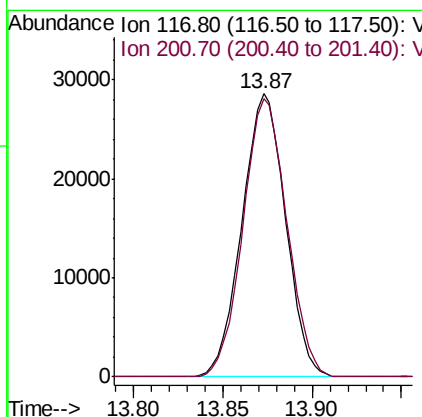
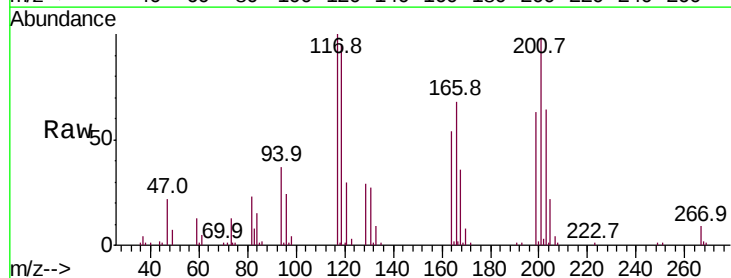
Manual Integrations
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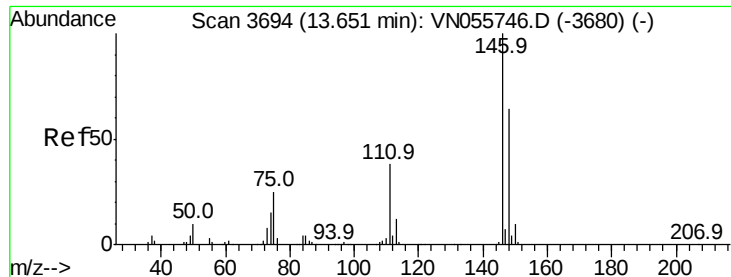
MMDadoda
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#90
Hexachloroethane
Concen: 19.117 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48683		
201	99.3	50.0	150.0	





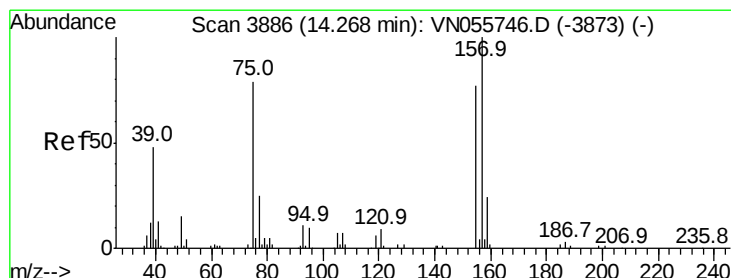
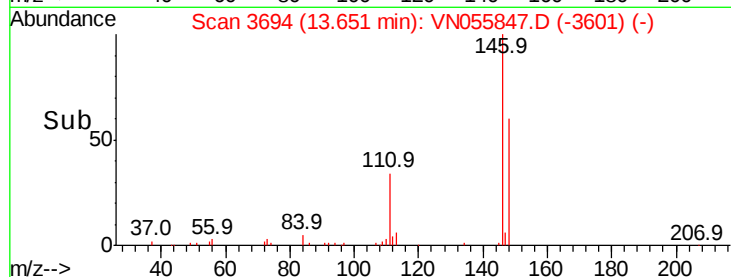
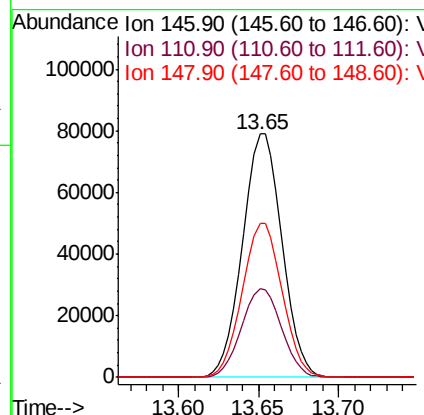
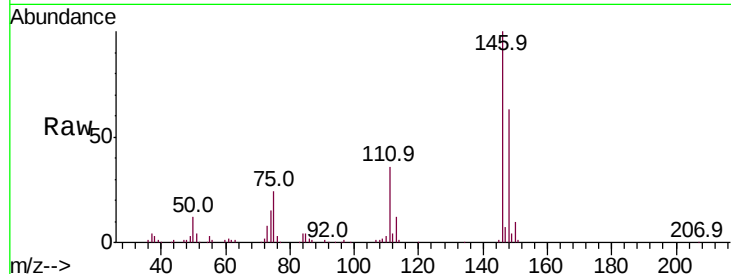
#91
 1,2-Dichlorobenzene
 Concen: 20.502 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	133150		
111	36.8	19.1	57.5	
148	63.8	31.9	95.9	

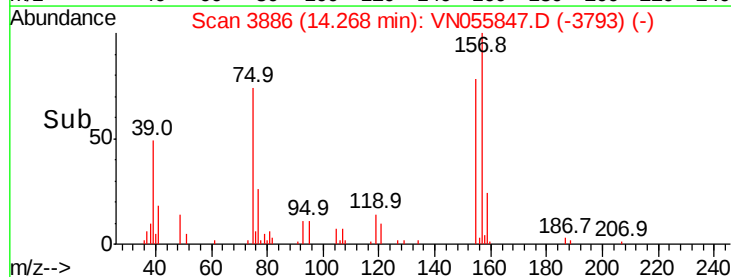
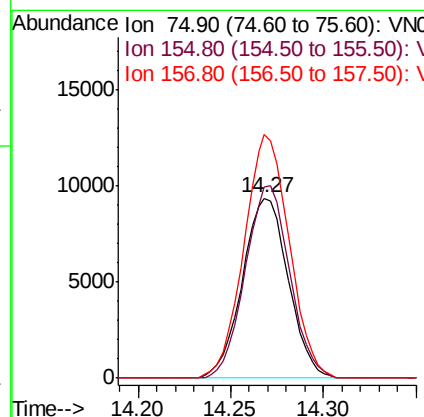
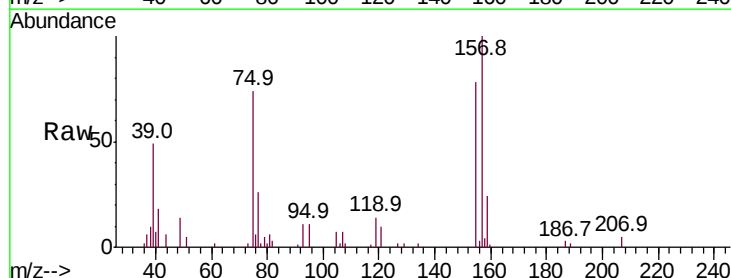
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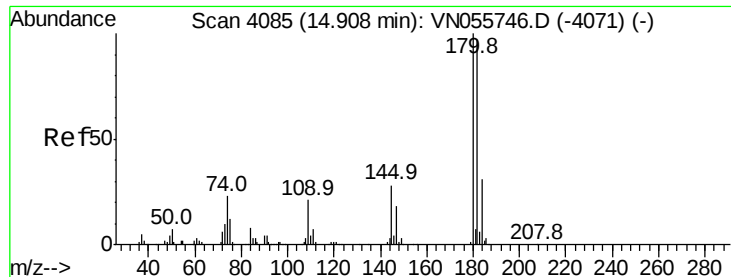
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.806 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16053		
155	103.6	50.0	150.1	
157	133.1	64.8	194.3	





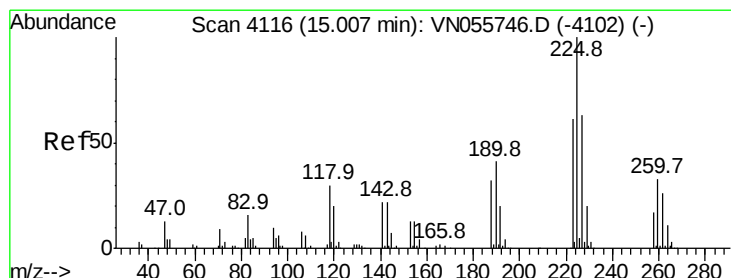
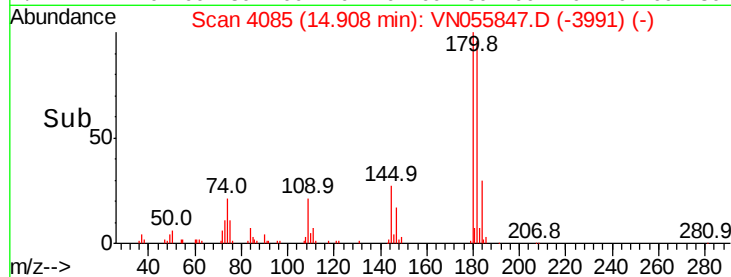
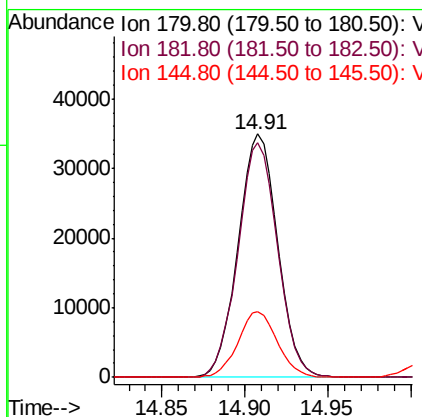
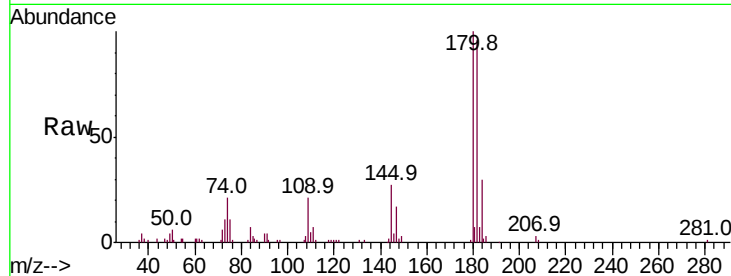
#93
 1,2,4-Trichlorobenzene
 Concen: 18.020 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.3	144.9	
145	26.8	14.0	41.9	

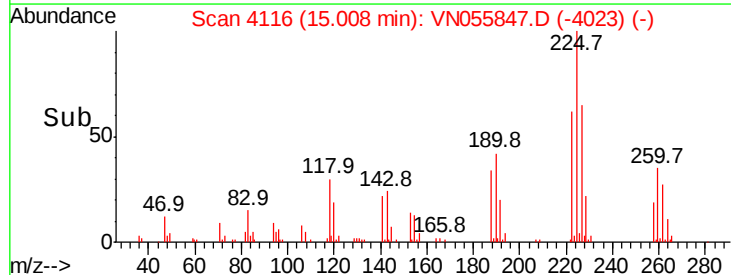
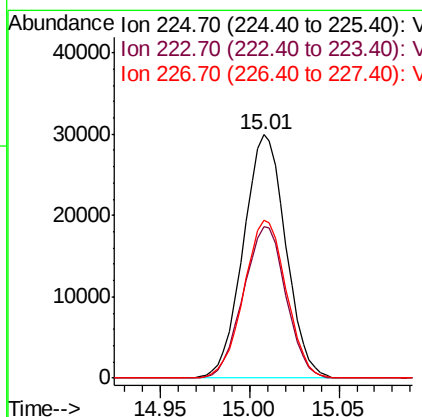
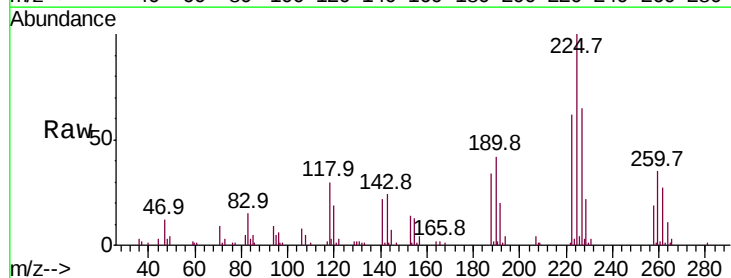
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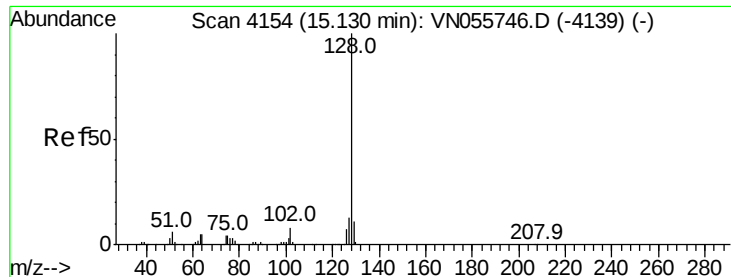
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#94
 Hexachlorobutadiene
 Concen: 20.660 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.9	92.7	
227	64.9	31.6	94.7	





#95

Naphthalene

Concen: 17.613 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

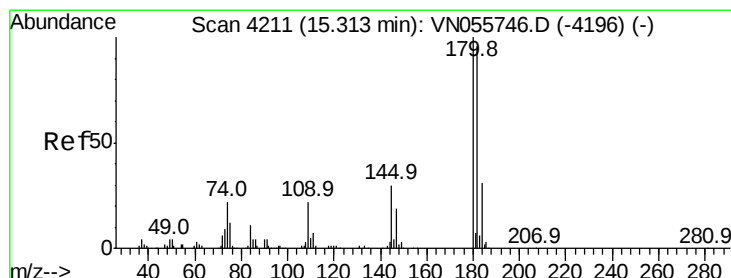
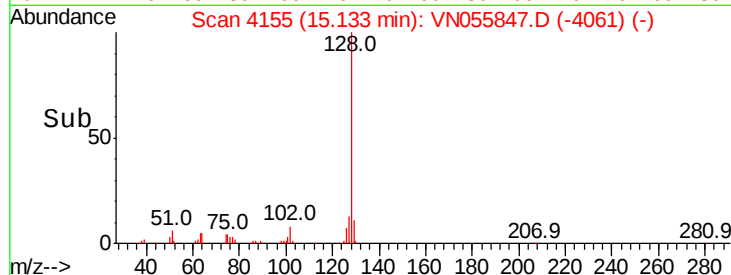
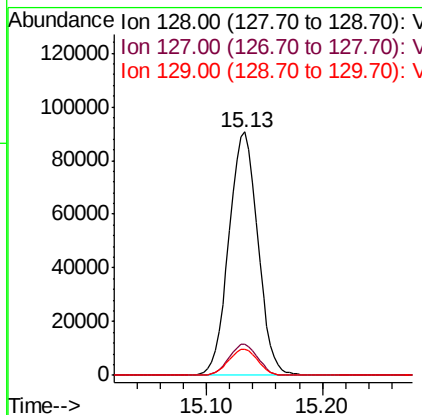
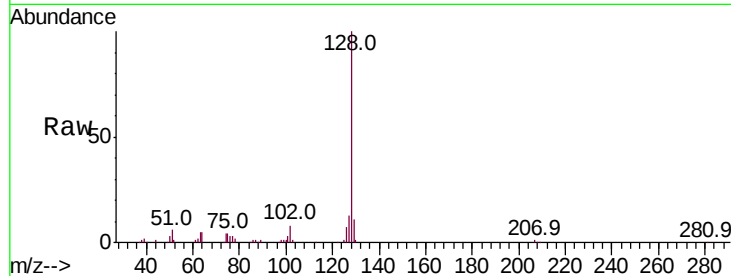
ClientSampleId :

VN0528WBS01

Tot Ion:	128	Resp:	156969
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 18.825 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion:	180	Resp:	64629
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	29.0	14.9	44.7

