

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055850.D
 Acq On : 28 May 2019 14:06
 Operator : JC/SP
 Sample : VN0528WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:09:57 AM

Quant Time: May 29 10:21:38 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	360310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185054	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	166269	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.09	98	621331	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	200594	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44548	18.371	ug/l	99
3) Chloromethane	2.06	50	62496	18.394	ug/l	97
4) Vinyl Chloride	2.19	62	68310	18.850	ug/l	99
5) Bromomethane	2.53	94	48692m	21.478	ug/l	
6) Chloroethane	2.68	64	43226	19.812	ug/l	99
7) Trichlorofluoromethane	3.01	101	93889	19.762	ug/l	99
8) Diethyl Ether	3.41	74	41381	19.433	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57501	19.389	ug/l	98
10) Methyl Iodide	3.94	142	88833	20.488	ug/l	99
11) Tert butyl alcohol	4.82	59	73753	103.738	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59205	19.321	ug/l	98
13) Acrolein	3.60	56	45712	89.794	ug/l	97
14) Allyl chloride	4.31	41	99239	18.891	ug/l	99
15) Acrylonitrile	4.99	53	165764	101.537	ug/l	99
16) Acetone	3.82	43	137419	84.014	ug/l	96
17) Carbon Disulfide	4.04	76	147445	16.936	ug/l	100
18) Methyl Acetate	4.33	43	72972	21.217	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	204148	19.975	ug/l	99
20) Methylene Chloride	4.54	84	67886	19.164	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64198	19.501	ug/l	99
22) Diisopropyl ether	5.95	45	199851	19.560	ug/l	97
23) Vinyl Acetate	5.90	43	852109	97.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	115733	19.455	ug/l	100
25) 2-Butanone	6.84	43	213829	93.606	ug/l	99
26) 2,2-Dichloropropane	6.82	77	87266	16.950	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	76660	19.959	ug/l	98
28) Bromochloromethane	7.19	49	56457	19.933	ug/l	96
29) Tetrahydrofuran	7.22	42	147875	102.222	ug/l	99
30) Chloroform	7.37	83	119491	20.141	ug/l	99
31) Cyclohexane	7.65	56	109070	19.529	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	104332	19.707	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84764	18.769	ug/l	99
37) Ethyl Acetate	6.93	43	89948	20.607	ug/l	98
38) Carbon Tetrachloride	7.77	117	87930	18.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106773	19.092	ug/l	100
40) Benzene	8.04	78	271877	19.975	ug/l	99
41) Methacrylonitrile	7.17	41	40749	18.479	ug/l	92
42) 1,2-Dichloroethane	8.12	62	90200	20.281	ug/l	99
43) Isopropyl Acetate	8.17	43	142482	19.428	ug/l	100
44) Trichloroethene	8.83	130	77566	20.442	ug/l	97
45) 1,2-Dichloropropane	9.12	63	70330	19.832	ug/l	98
46) Dibromomethane	9.21	93	47355	20.362	ug/l	97
47) Bromodichloromethane	9.40	83	92558	19.409	ug/l	99
48) Methyl methacrylate	9.20	41	66810	19.766	ug/l	96
49) 1,4-Dioxane	9.20	88	28154	400.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	432315	99.810	ug/l	99
52) Toluene	10.16	92	173345	20.250	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	93342	18.337	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108190	19.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70193	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	102252	19.293	ug/l	97
57) 1,3-Dichloropropane	10.71	76	112049	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183977	90.833	ug/l	99
59) 2-Hexanone	10.75	43	291280	94.796	ug/l	100
60) Dibromochloromethane	10.90	129	75901	18.999	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71344	20.057	ug/l	99
64) Tetrachloroethene	10.63	164	79697	20.865	ug/l	99
65) Chlorobenzene	11.43	112	184370	20.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71586	19.798	ug/l	99
67) Ethyl Benzene	11.51	91	320692	19.725	ug/l	98
68) m/p-Xylenes	11.62	106	244621	39.800	ug/l	99
69) o-Xylene	11.95	106	120612	19.779	ug/l	100
70) Styrene	11.96	104	193330	19.578	ug/l	100
71) Bromoform	12.13	173	55965	18.146	ug/l #	99
73) Isopropylbenzene	12.25	105	320263	22.766	ug/l	99
74) N-amyl acetate	12.07	43	110151	20.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94702	22.349	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76951m	22.295	ug/l	
77) Bromobenzene	12.53	156	85611	21.581	ug/l	93
78) n-propylbenzene	12.59	91	326312	20.196	ug/l	99
79) 2-Chlorotoluene	12.67	91	203232	21.921	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257026	21.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24982	18.081	ug/l	96
82) 4-Chlorotoluene	12.77	91	187949	19.789	ug/l	100
83) tert-Butylbenzene	12.99	119	231892	22.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	252926	21.422	ug/l	99
85) sec-Butylbenzene	13.17	105	285888	21.499	ug/l	100
86) p-Isopropyltoluene	13.29	119	259772	20.122	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	125665	20.006	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	116337	19.481	ug/l	98
89) n-Butylbenzene	13.61	91	182571	18.457	ug/l	99
90) Hexachloroethane	13.87	117	45598	18.556	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127127	20.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15666	19.019	ug/l	98

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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	55856	18.002	ug/l	99
94) Hexachlorobutadiene	15.01	225	47691	20.548	ug/l	99
95) Naphthalene	15.13	128	182639	21.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63727	19.237	ug/l	98

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

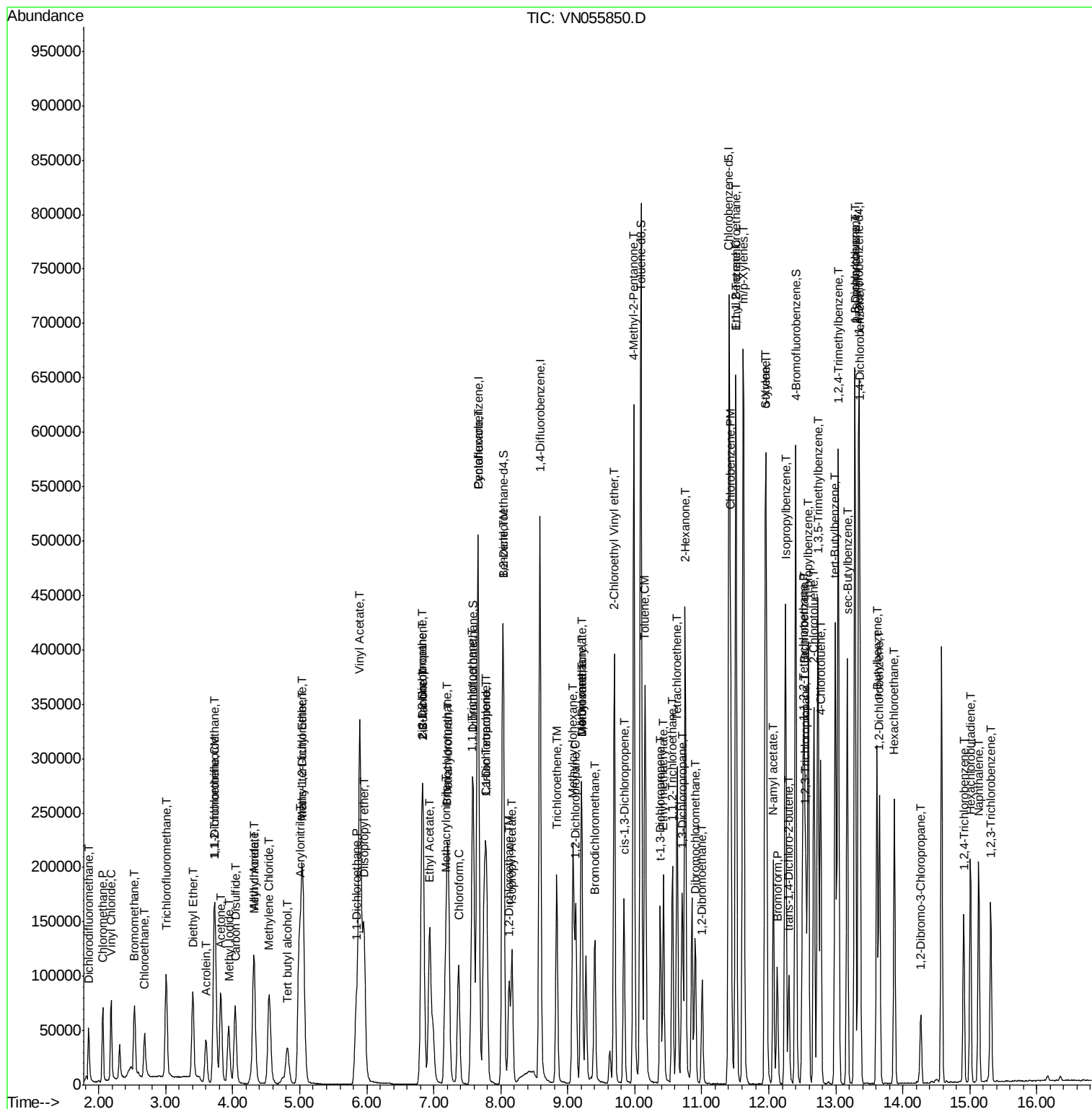
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Data File : VN055850.D
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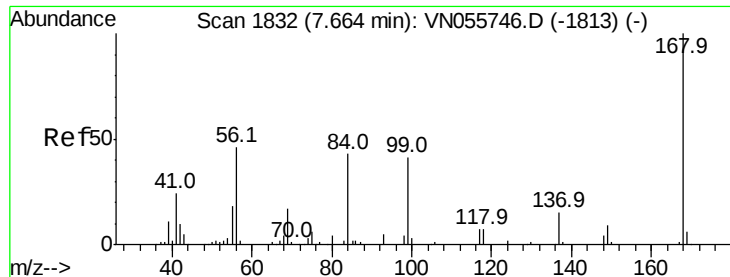
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:168 Resp: 360310

Ion Ratio Lower Upper

168 100

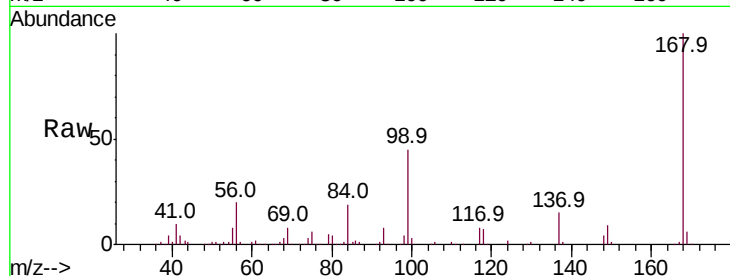
99 45.0 37.2 55.8

Manual Integrations

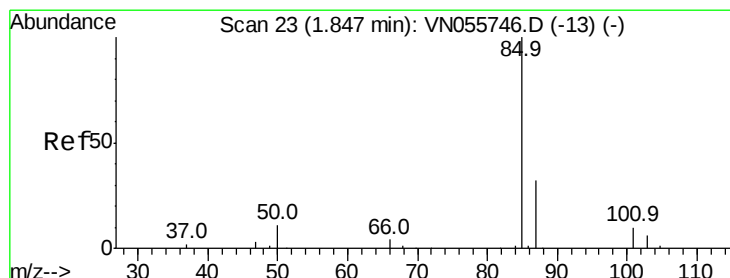
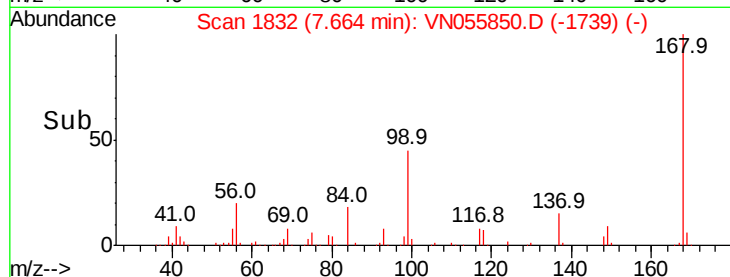
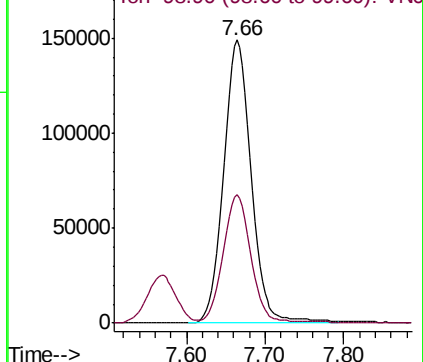
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Abundance Ion 167.90 (167.60 to 168.60): VN055850.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 18.371 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055850.D

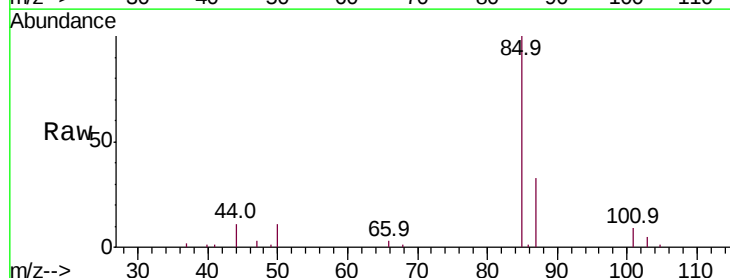
Acq: 28 May 2019 14:06

Tgt Ion: 85 Resp: 44548

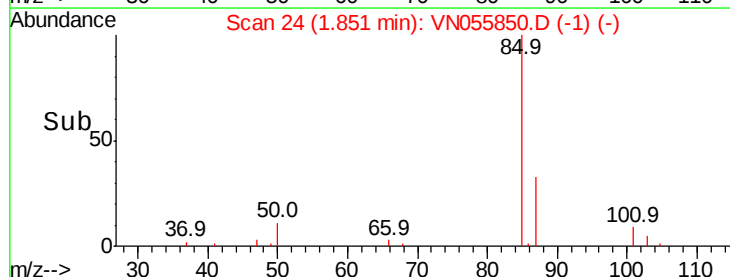
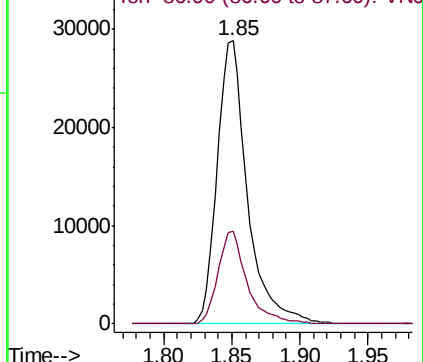
Ion Ratio Lower Upper

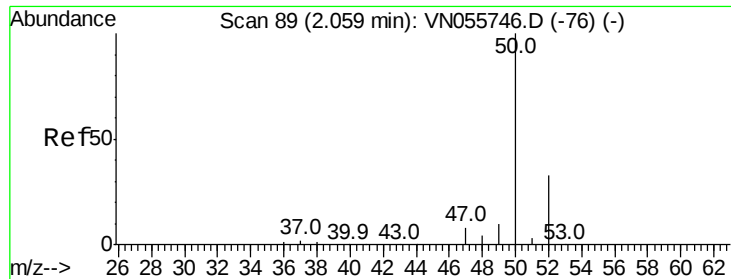
85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055850.D (-1) (-)





#3

Chloromethane

Concen: 18.394 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 50 Resp: 62496

Ion Ratio Lower Upper

50 100

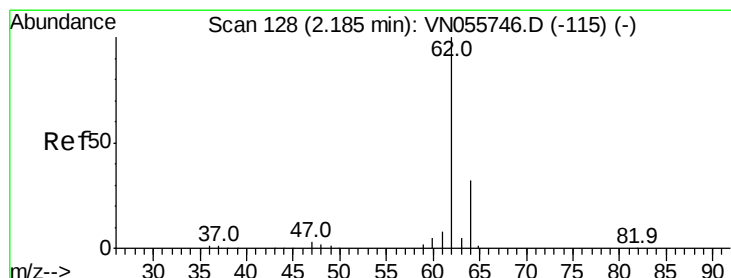
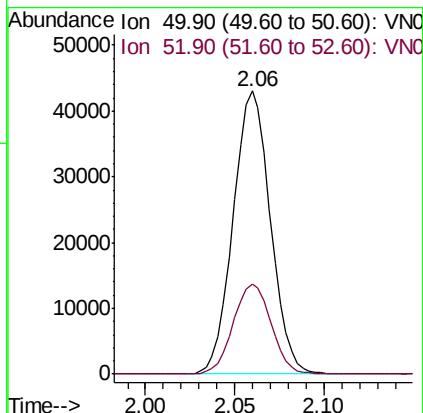
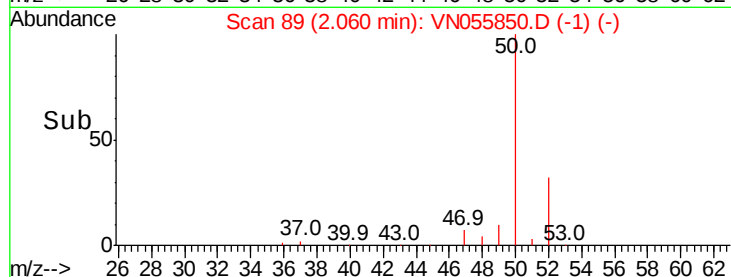
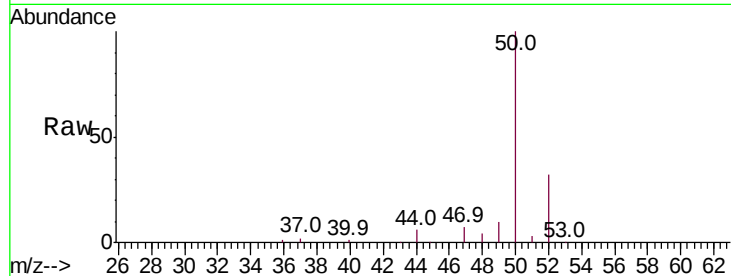
52 31.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.850 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055850.D

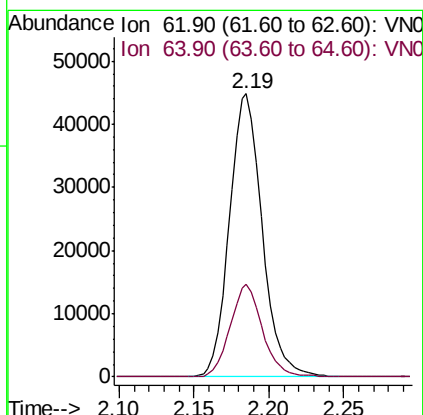
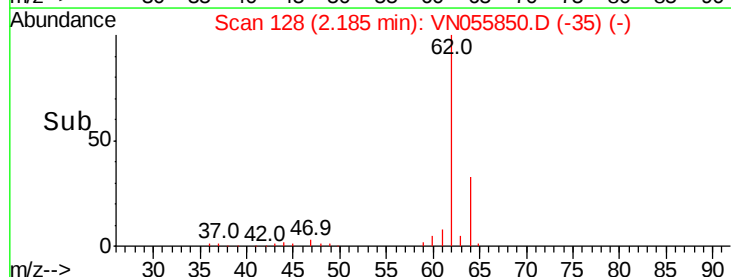
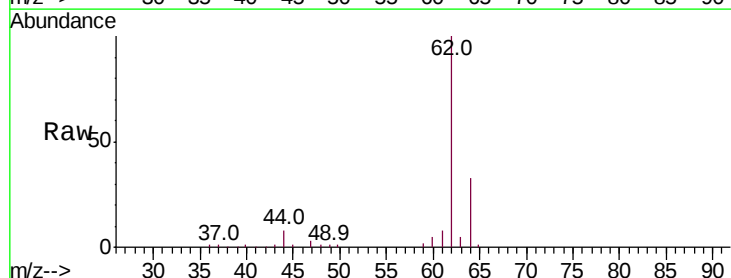
Acq: 28 May 2019 14:06

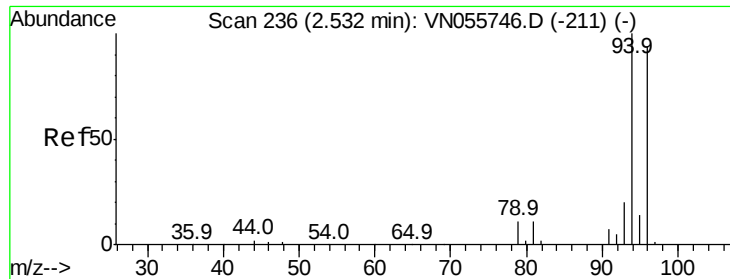
Tgt Ion: 62 Resp: 68310

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 21.478 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

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ClientSampleId :

VN0528WBSD01

Tot Ion: 94 Resp: 48692

Ion Ratio Lower Upper

94 100

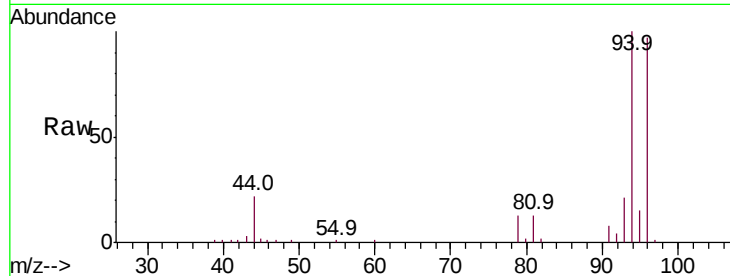
96 96.7 75.5 113.3

Manual Integrations

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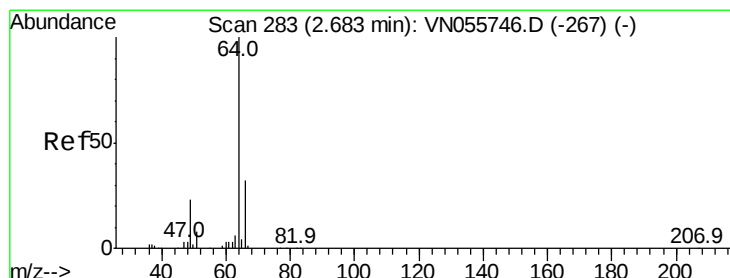
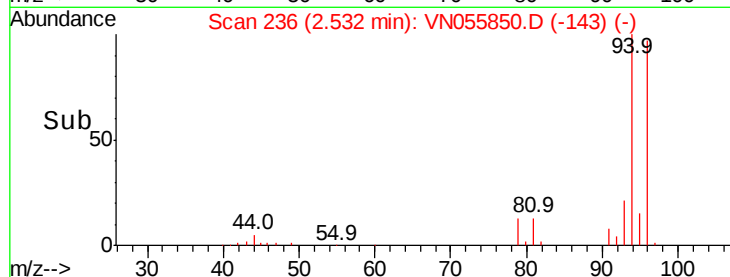
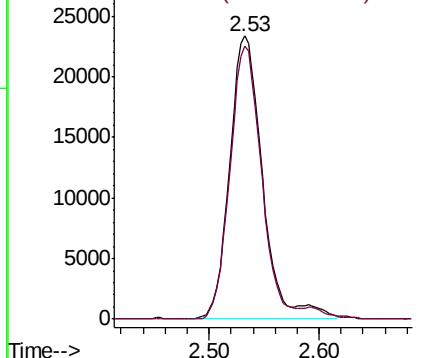
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.812 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055850.D

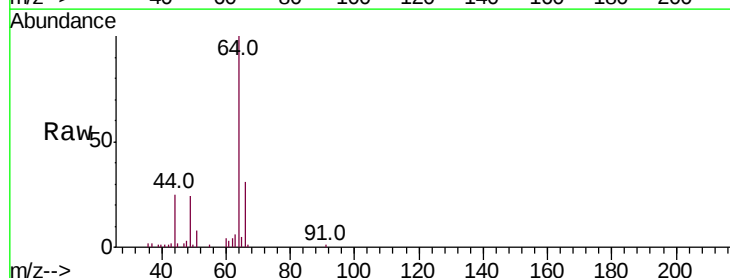
Acq: 28 May 2019 14:06

Tgt Ion: 64 Resp: 43226

Ion Ratio Lower Upper

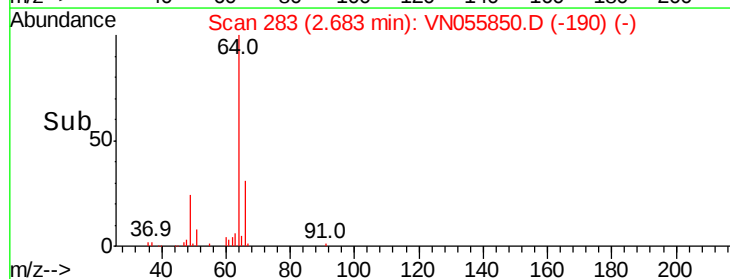
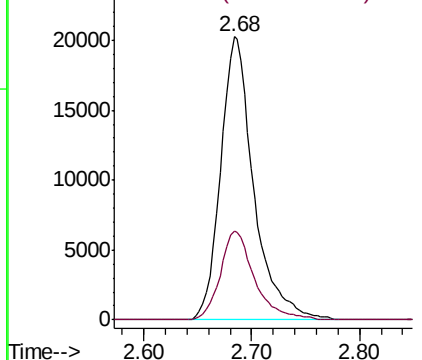
64 100

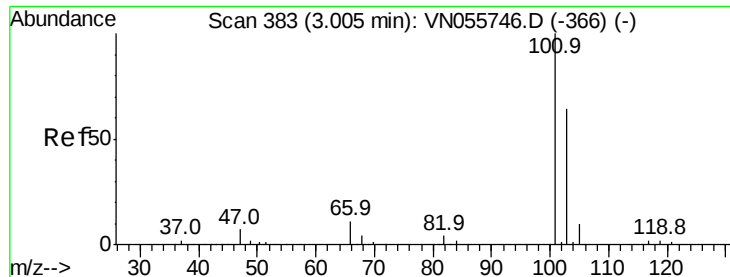
66 31.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

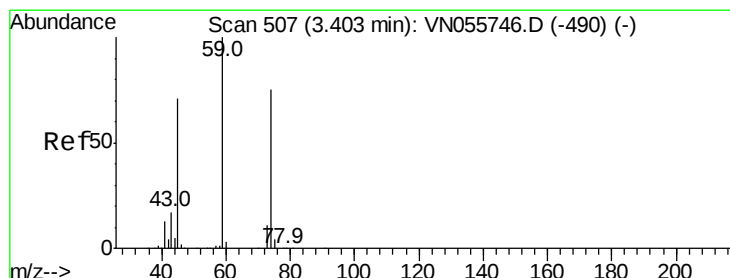
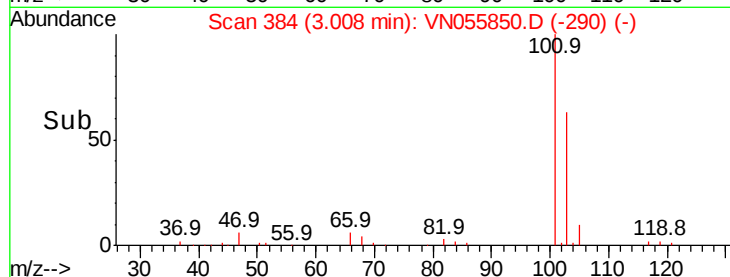
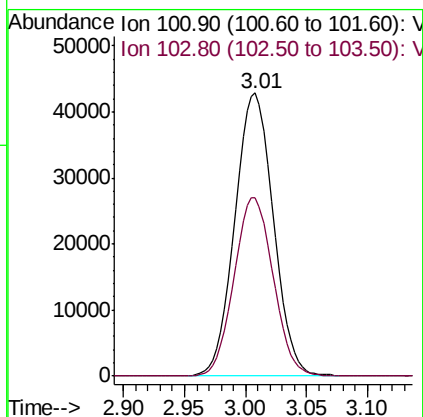
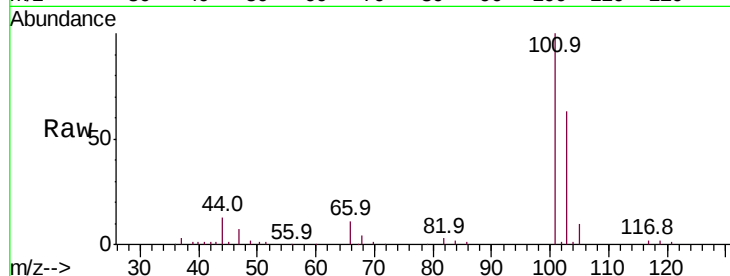
Trichlorofluoromethane
 Concen: 19.762 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
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 VN0528WBSD01

Tot Ion:101 Resp: 93889
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.2 76.8

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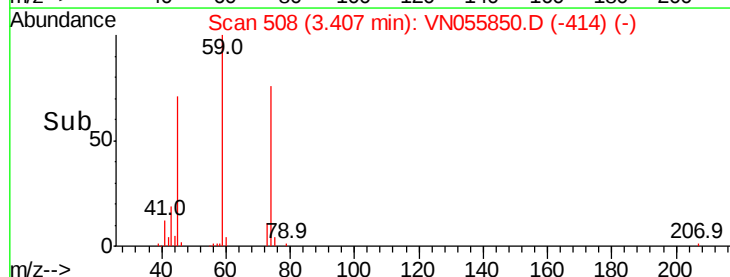
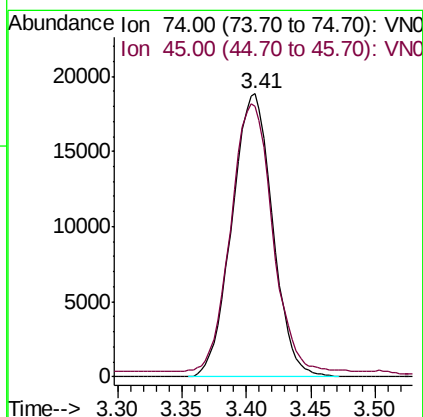
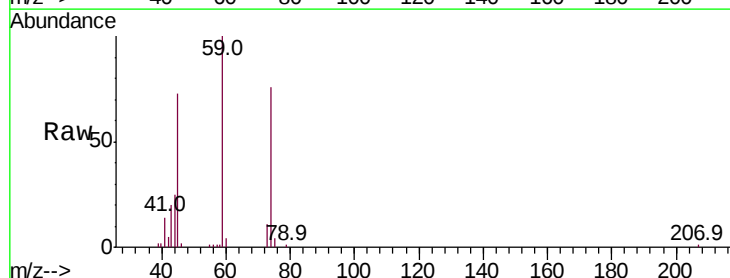
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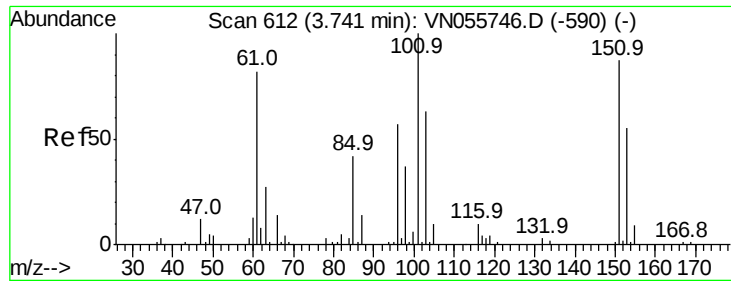


#8

Diethyl Ether
 Concen: 19.433 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 74 Resp: 41381
 Ion Ratio Lower Upper
 74 100
 45 96.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.389 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

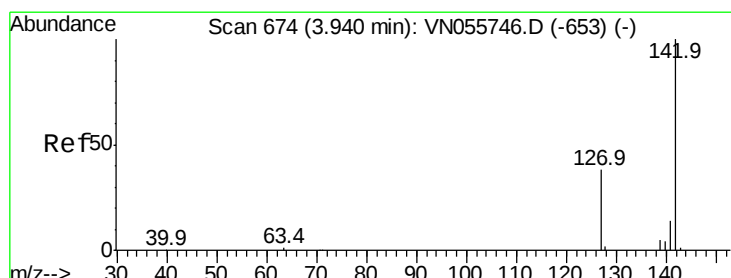
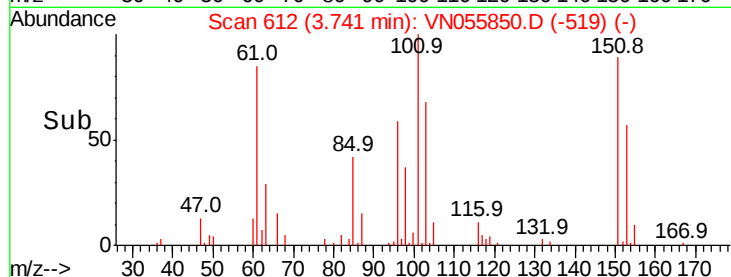
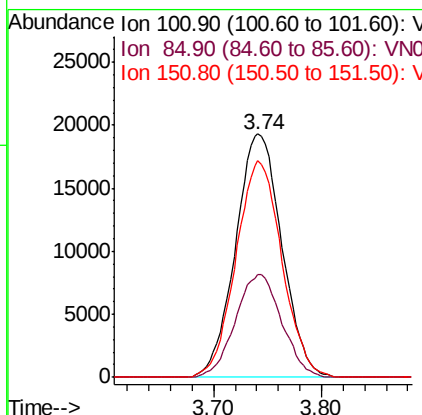
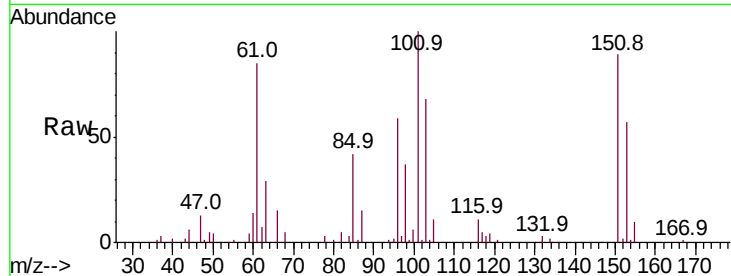
ClientSampleId :

VN0528WBSD01

Tot Ion:	101	Resp:	57501
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.2
151	88.5	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.488 ug/l

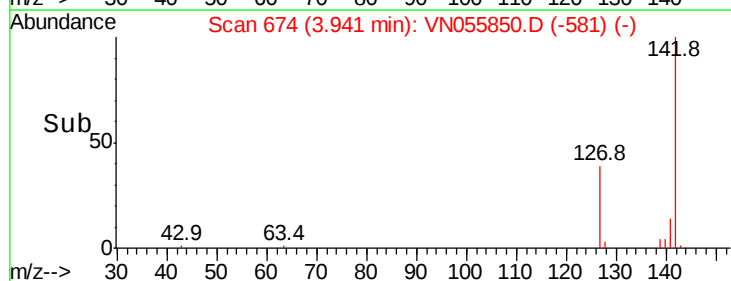
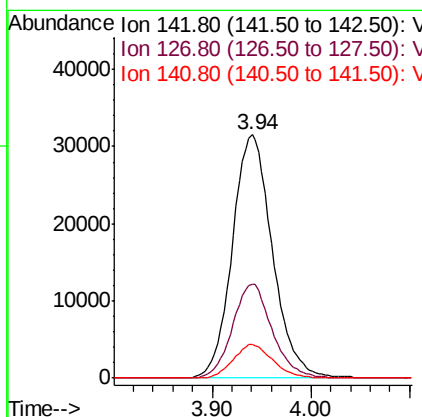
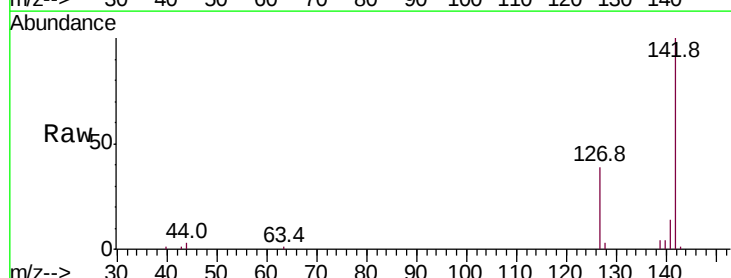
RT: 3.94 min Scan# 674

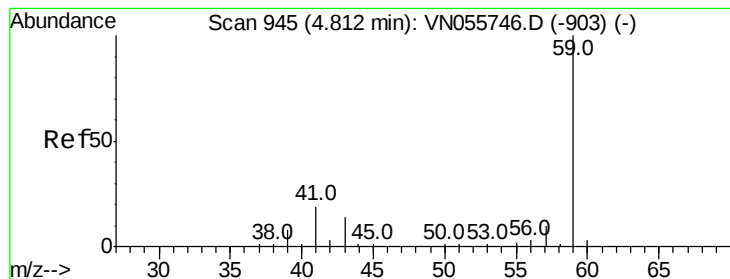
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	142	Resp:	88833
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.5	11.4	17.0





#11

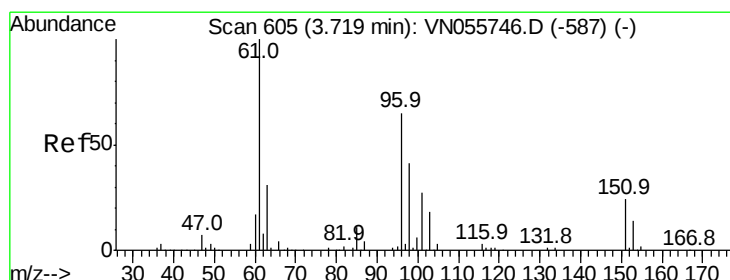
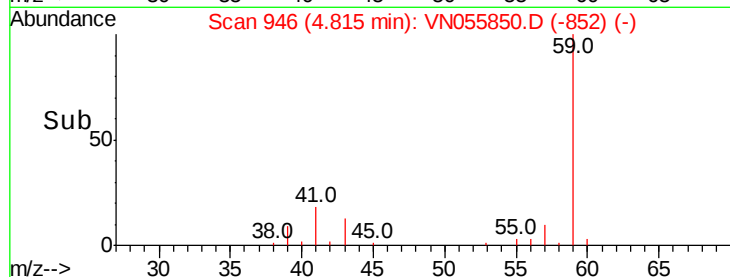
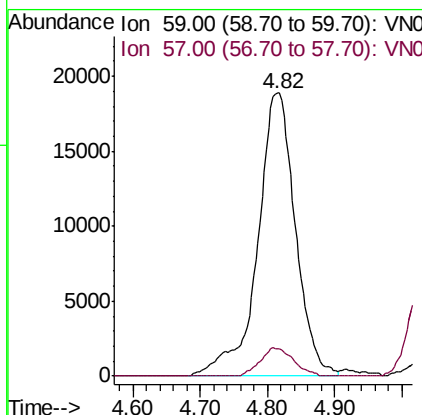
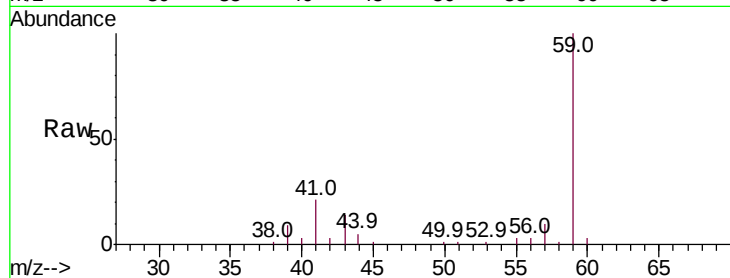
Tert butyl alcohol
 Concen: 103.738 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.8	11.6

Manual Integrations
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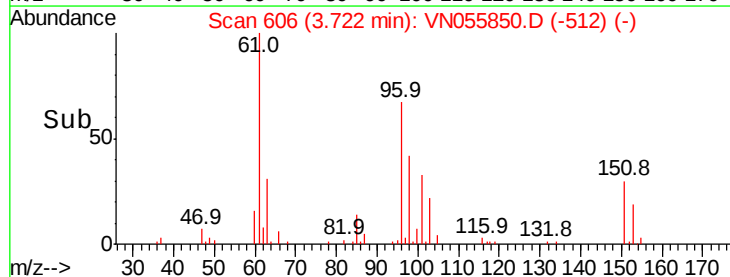
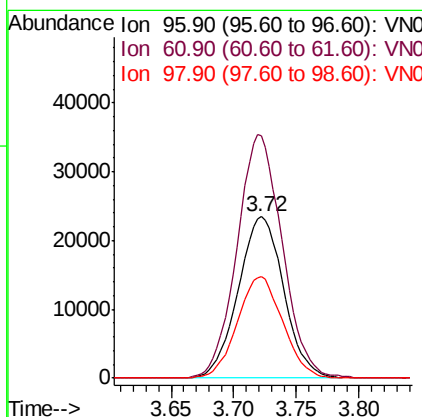
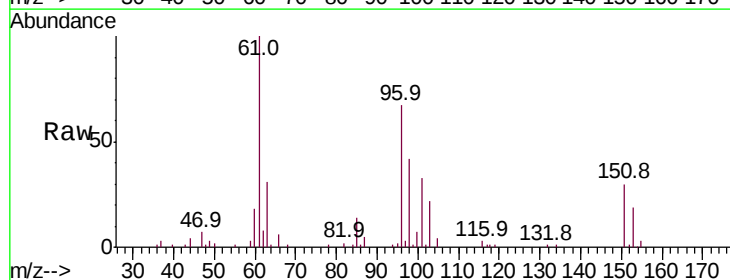
MMDadoda
 5/29/2019 11:09:57 AM

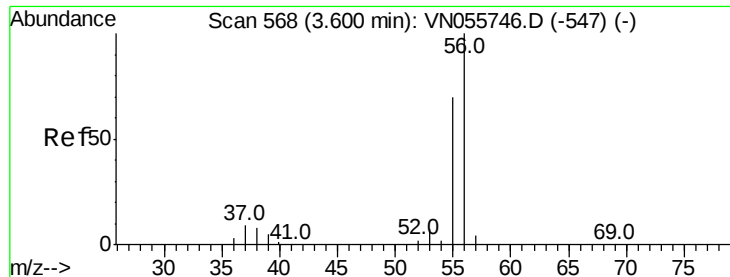


#12

1,1-Dichloroethene
 Concen: 19.321 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	123.2	184.8
98	62.9	50.4	75.6





#13

Acrolein

Concen: 89.794 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 56 Resp: 45712

Ion Ratio Lower Upper

56 100

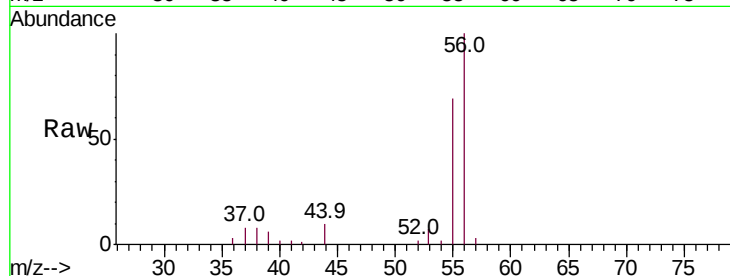
55 71.6 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

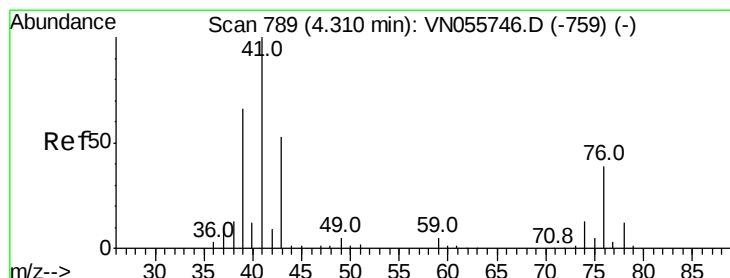
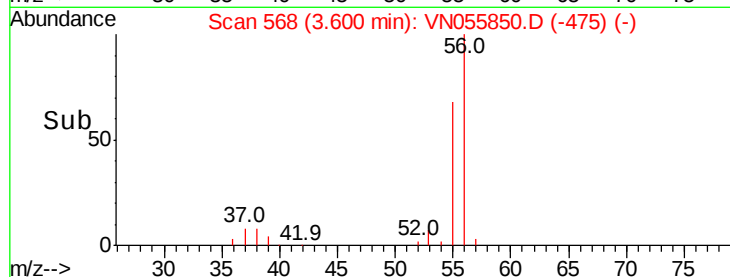
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 18.891 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

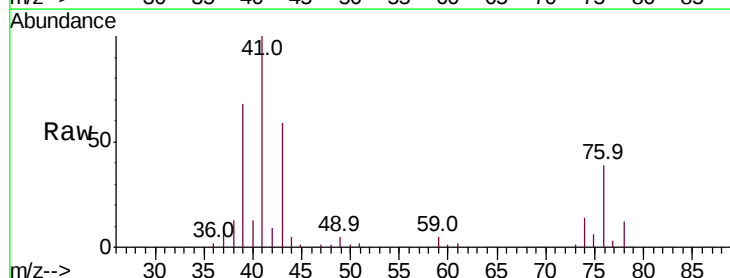
Tgt Ion: 41 Resp: 99239

Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

76 34.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

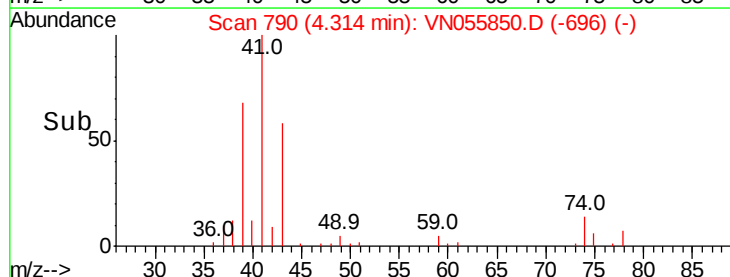
0

4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 101.537 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

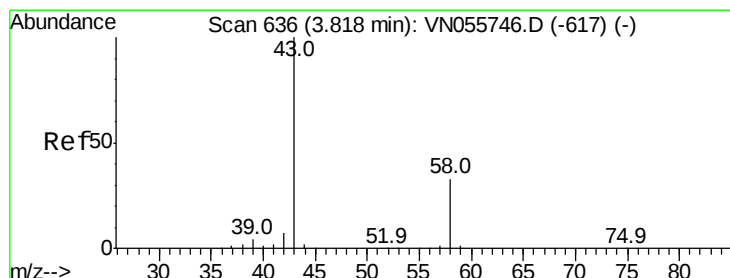
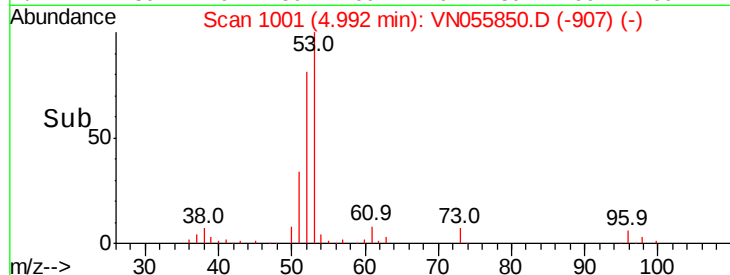
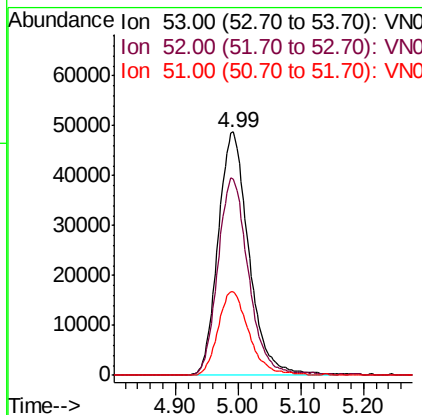
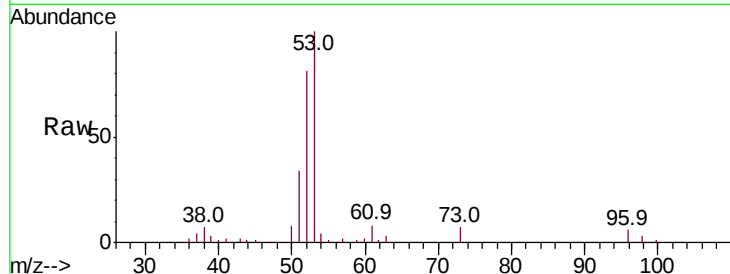
ClientSampleId :

VN0528WBSD01

Tot Ion:	53	Resp:	165764
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.8	98.8
51	34.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 84.014 ug/l

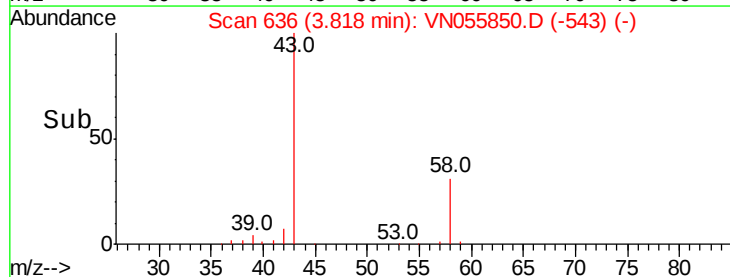
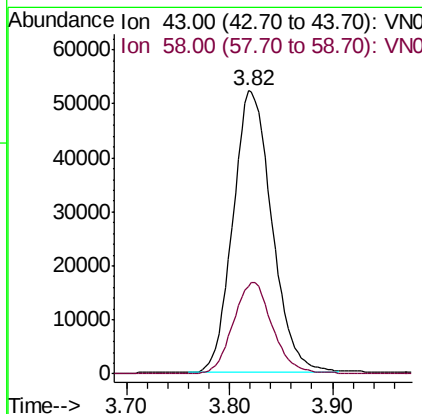
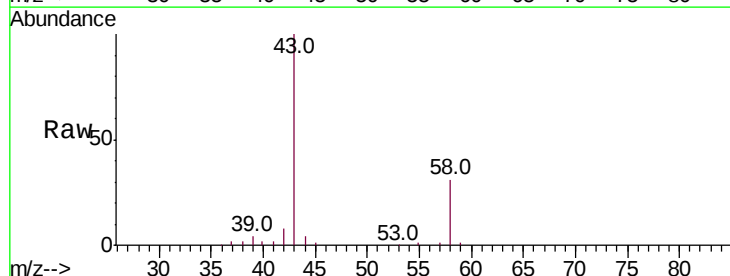
RT: 3.82 min Scan# 636

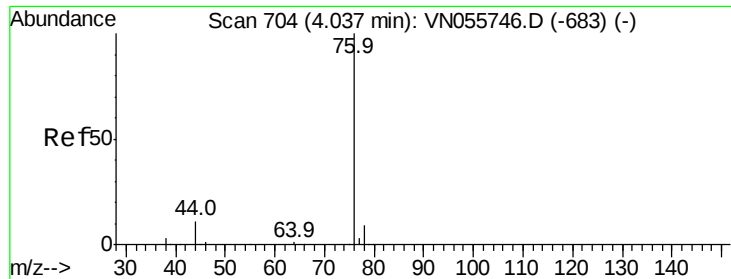
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	43	Resp:	137419
Ion	Ratio	Lower	Upper
43	100		
58	31.2	26.6	39.8





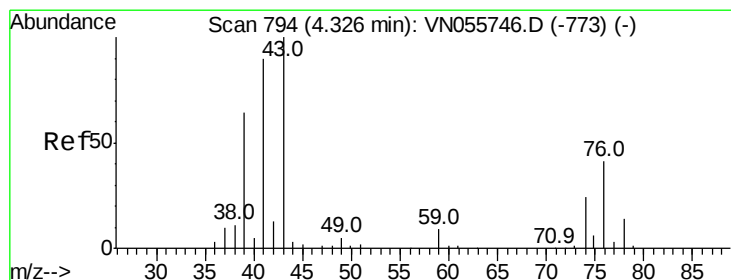
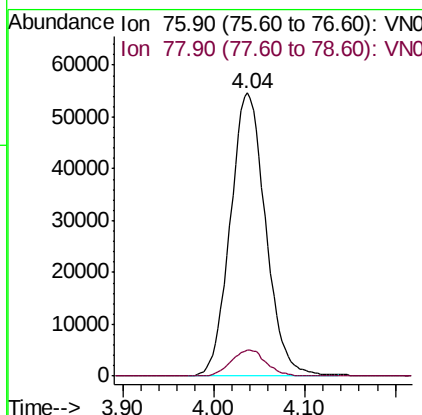
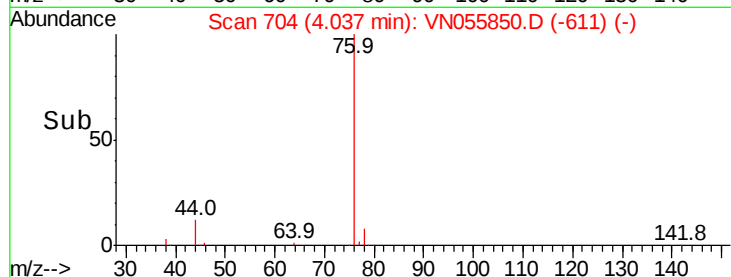
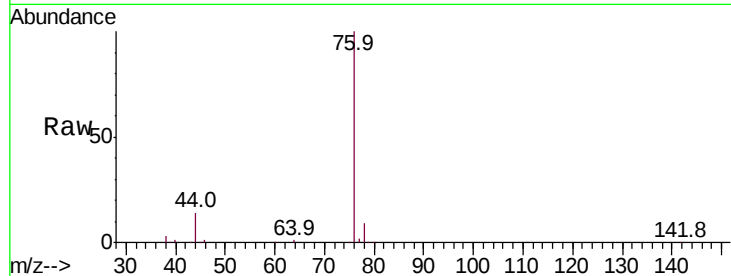
#17
Carbon Disulfide
Concen: 16.936 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 76 Resp: 147445
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

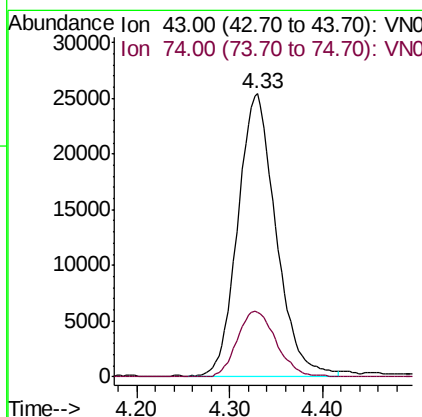
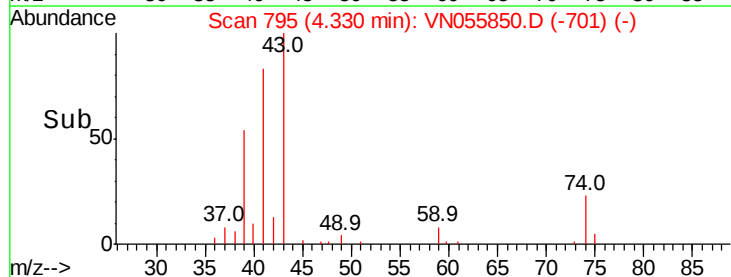
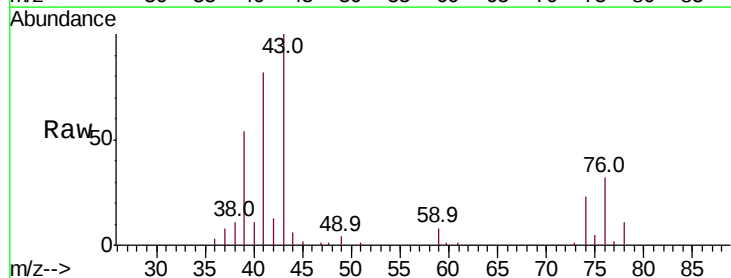
Manual Integrations
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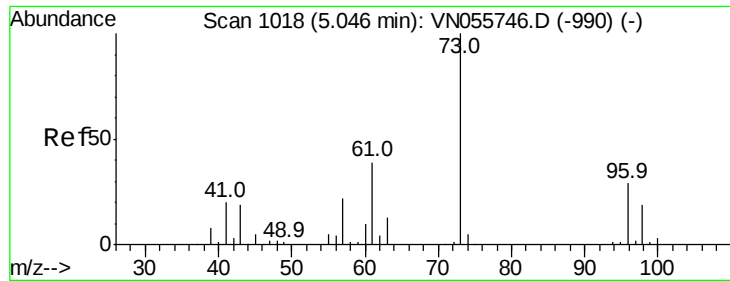
MMDadoda
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#18
Methyl Acetate
Concen: 21.217 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 43 Resp: 72972
Ion Ratio Lower Upper
43 100
74 23.4 19.3 28.9





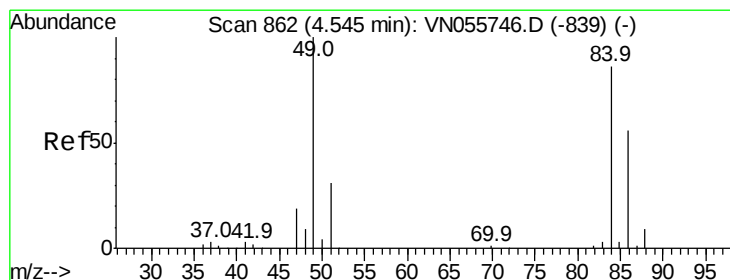
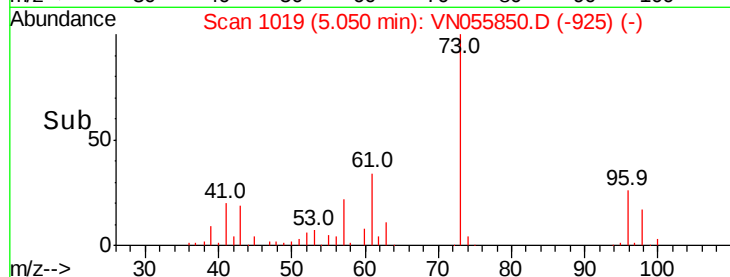
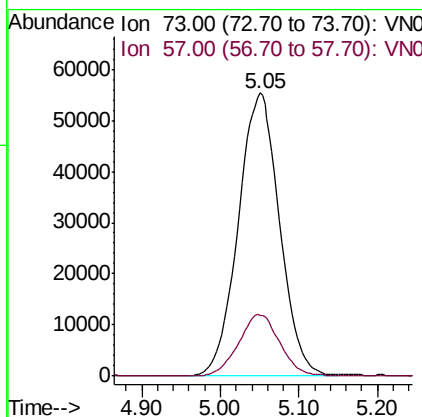
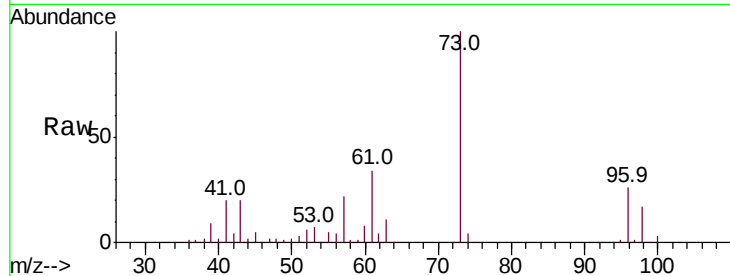
#19
Methvl tert-butvl Ether
Concen: 19.975 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 73 Resp: 204148
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

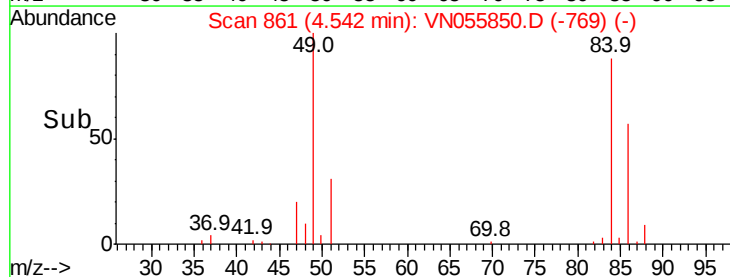
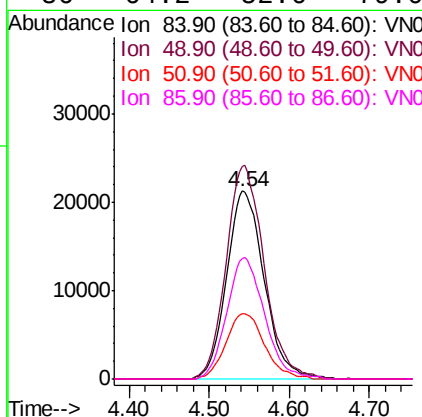
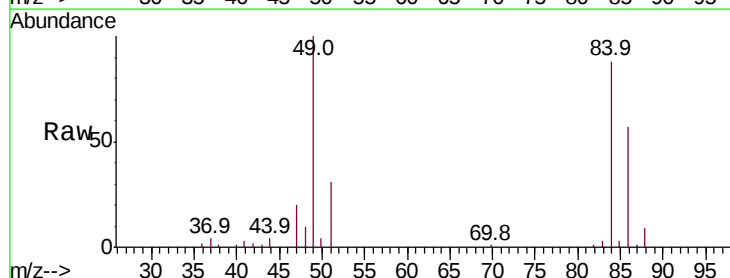
Manual Integrations
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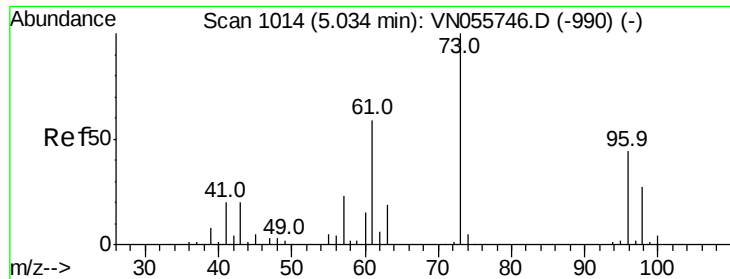
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#20
Methylene Chloride
Concen: 19.164 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 84 Resp: 67886
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 34.7 28.6 43.0
86 64.2 52.6 79.0





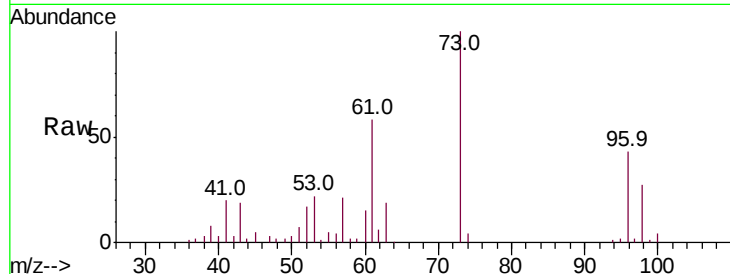
#21
trans-1,2-Dichloroethene
Concen: 19.501 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	107.8	161.8
98	61.7	49.8	74.8

Manual Integrations
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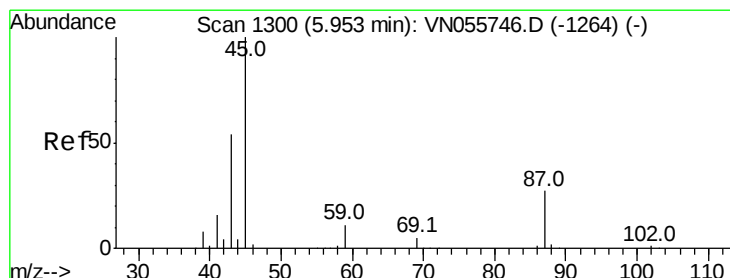
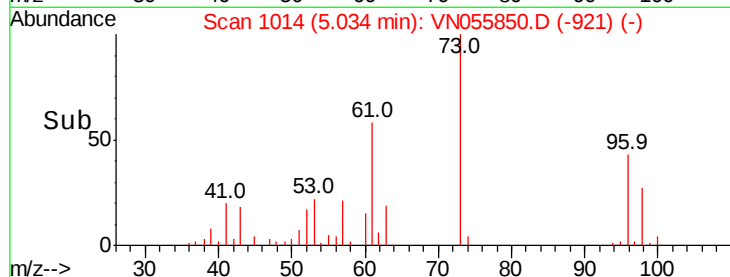
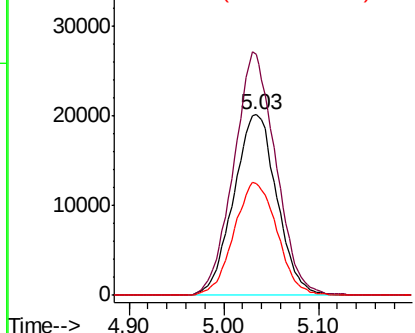


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 19.560 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	45.0	67.6
87	27.6	22.2	33.4
59	11.4	9.1	13.7

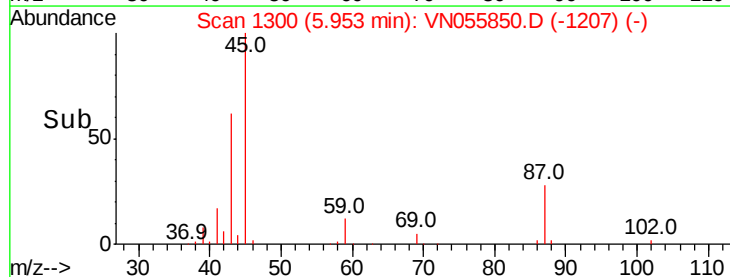
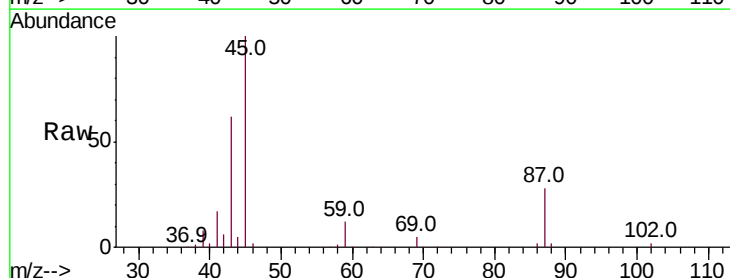
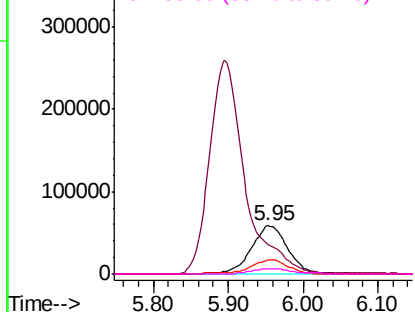
Abundance

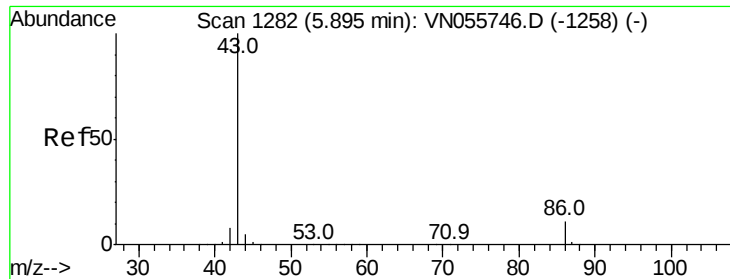
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 97.271 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 43 Resp: 852109

Ion Ratio Lower Upper

43 100

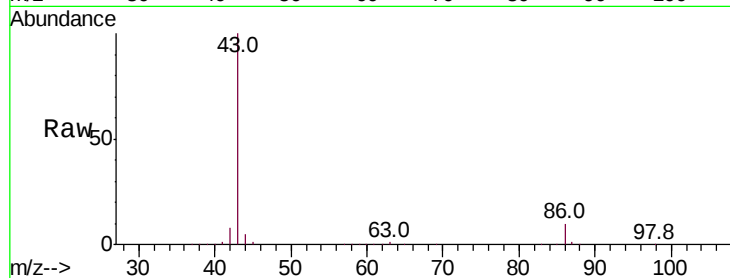
86 10.4 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.90

250000

200000

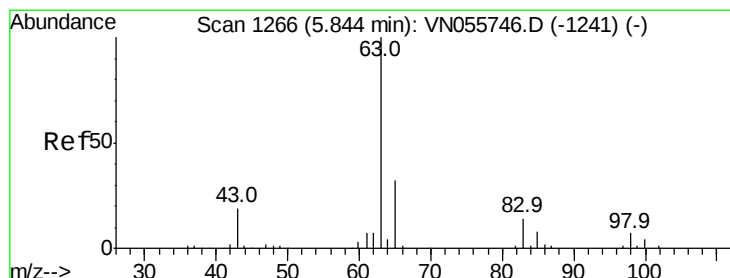
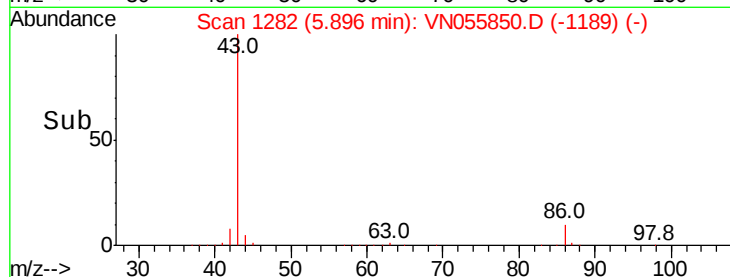
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.455 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

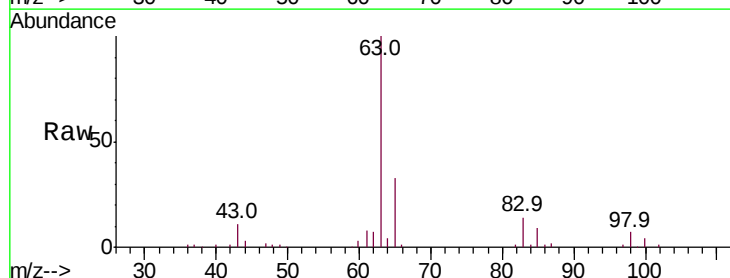
Tgt Ion: 63 Resp: 115733

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

5.84

50000

40000

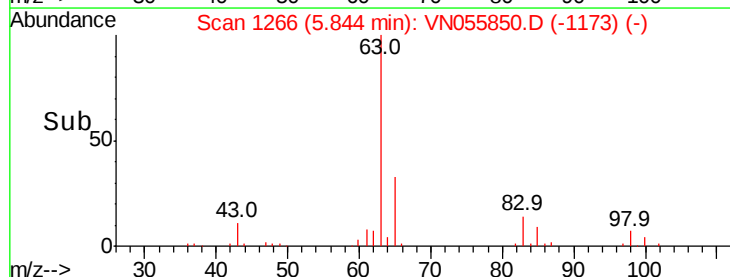
30000

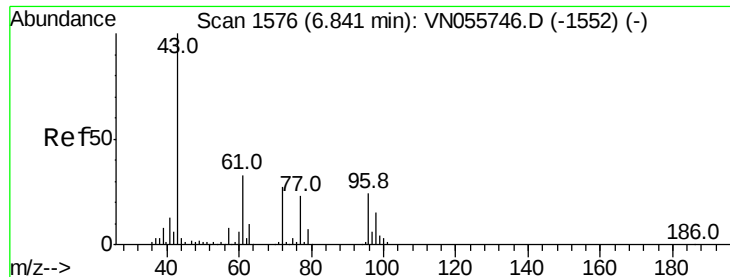
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 93.606 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 43 Resp: 213829

Ion Ratio Lower Upper

43 100

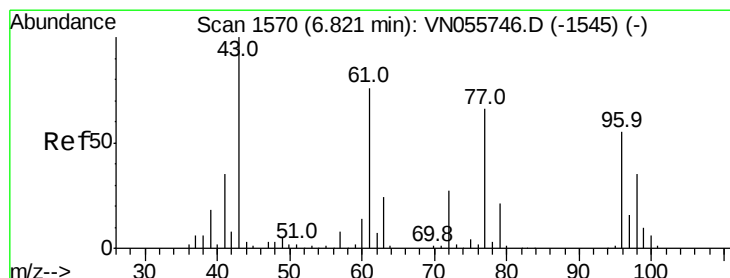
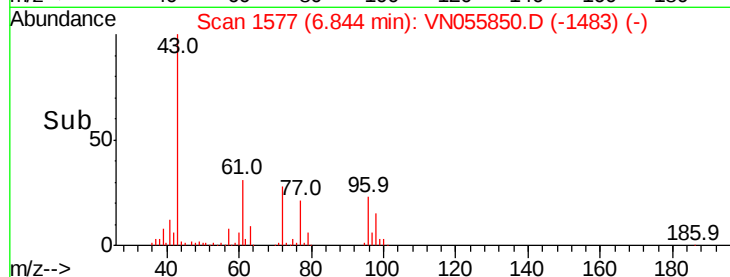
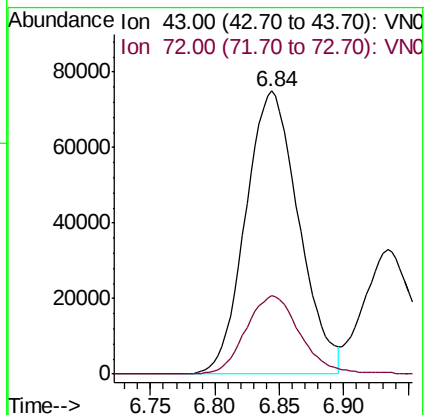
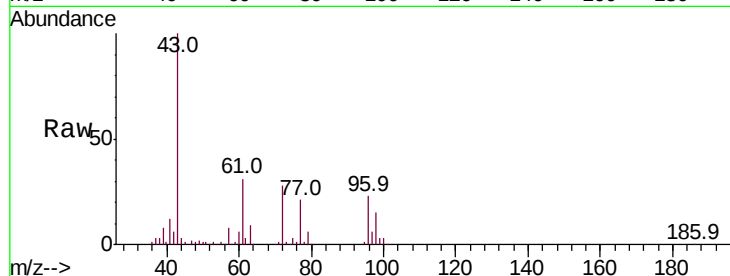
72 27.7 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 16.950 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055850.D

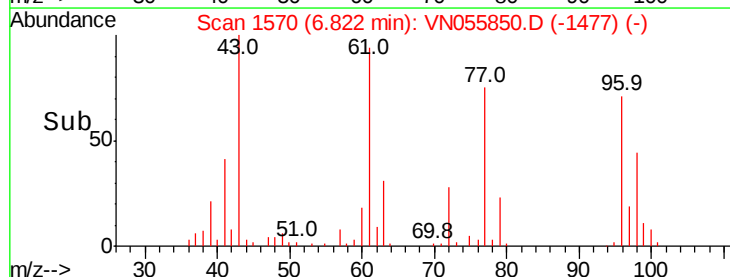
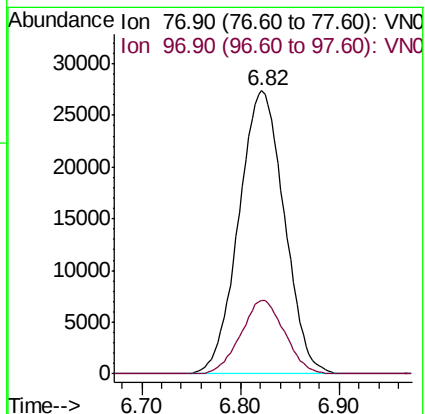
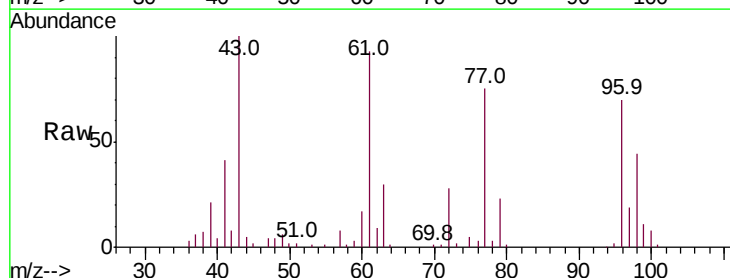
Acq: 28 May 2019 14:06

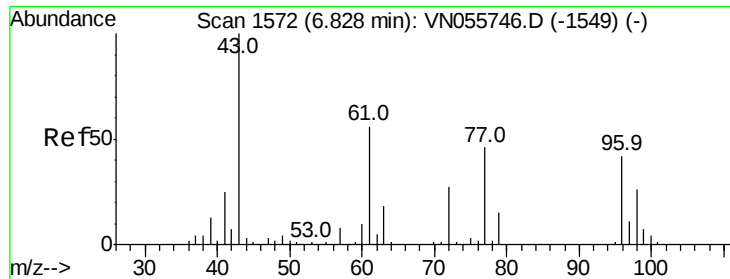
Tgt Ion: 77 Resp: 87266

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.959 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

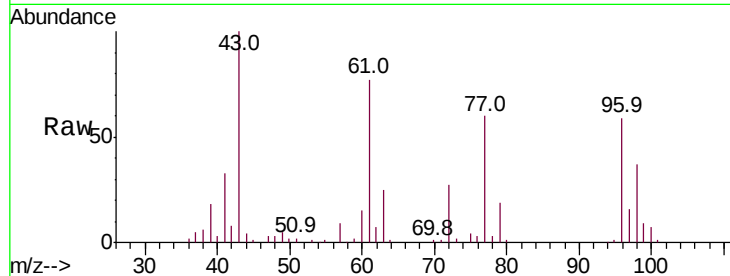
ClientSampleId :

VN0528WBSD01

Tot Ion:	96	Resp:	76660
Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.8
98	63.7	0.0	128.4

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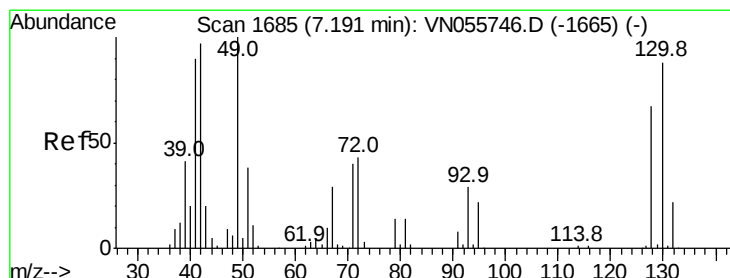
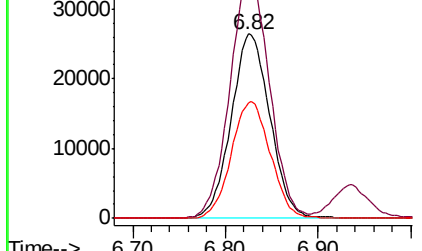
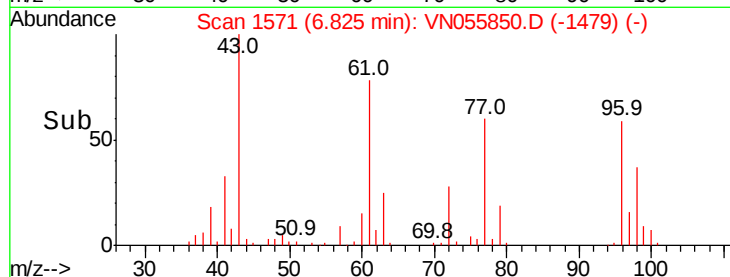


Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 19.933 ug/l

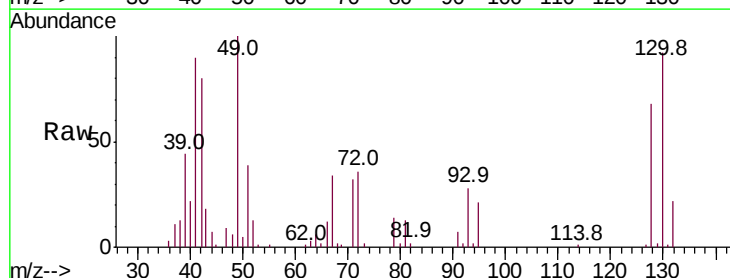
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	49	Resp:	56457
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	92.4	71.2	106.8

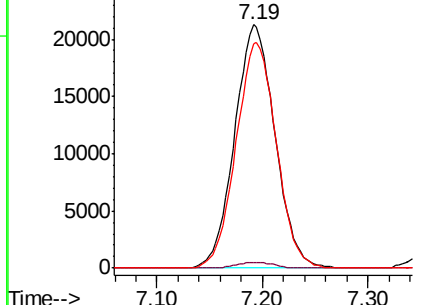
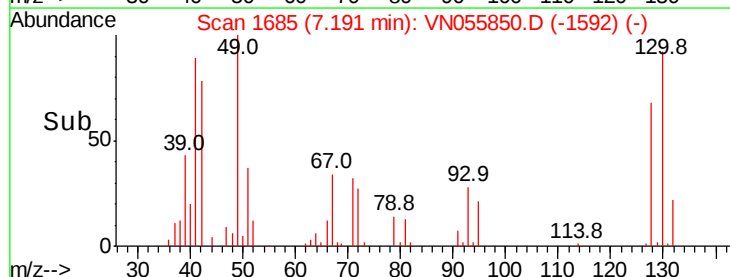


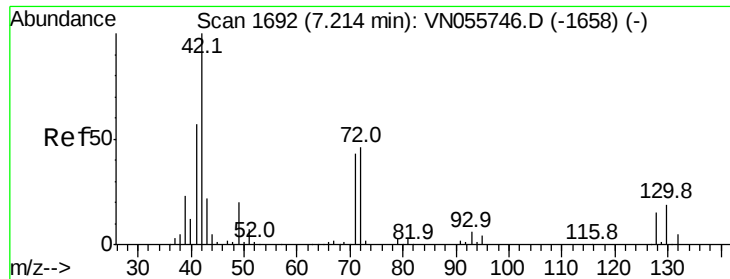
Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

Time-->





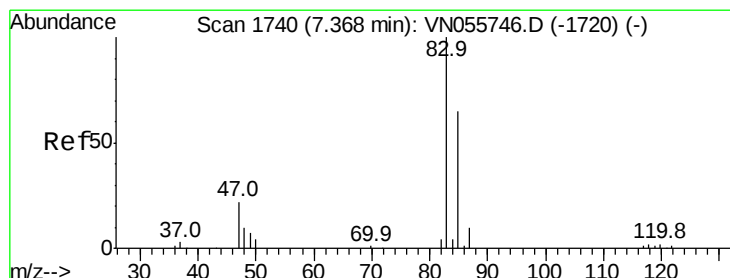
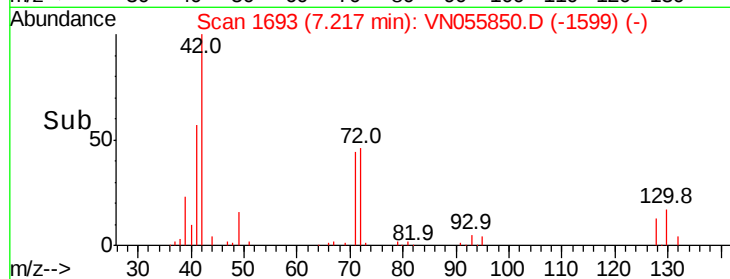
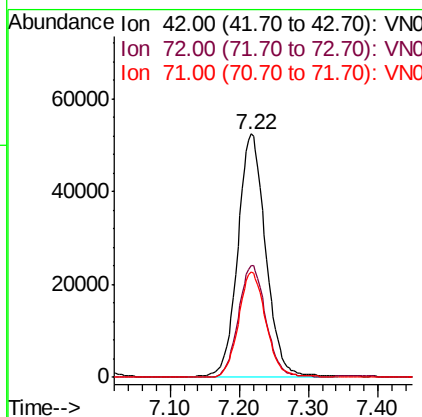
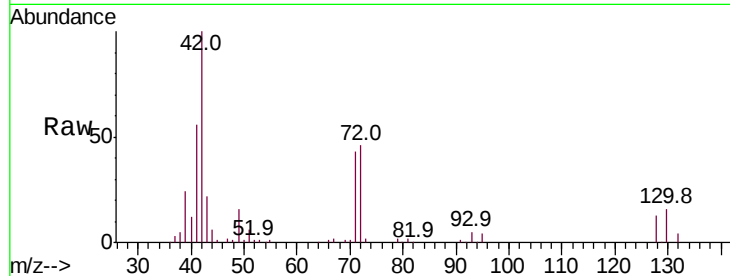
#29
Tetrahydrofuran
Concen: 102.222 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.0	34.0	51.0

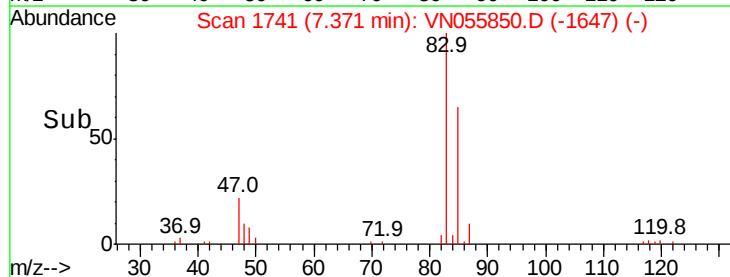
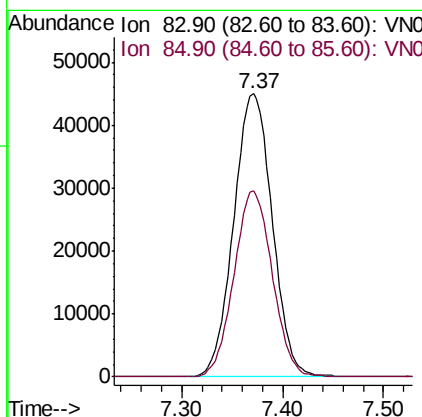
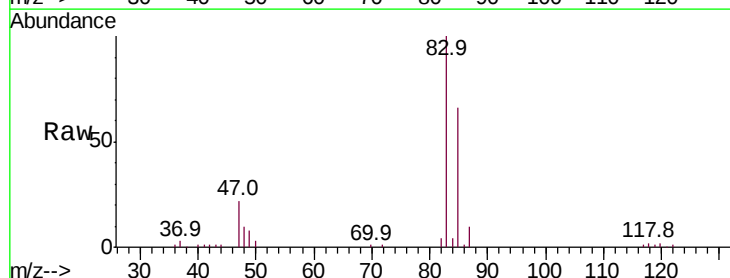
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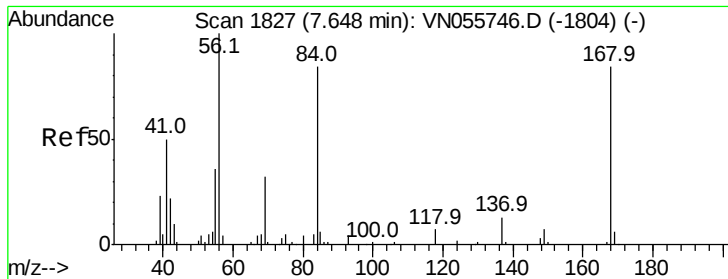
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#30
Chloroform
Concen: 20.141 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





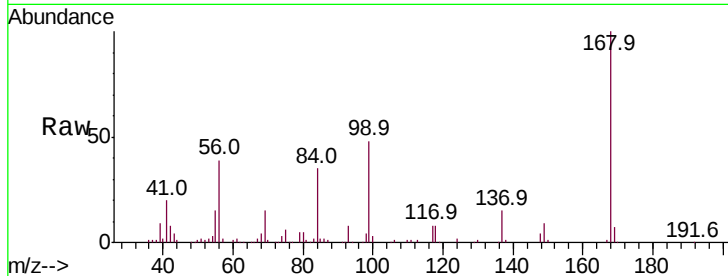
#31
Cyclohexane
Concen: 19.529 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

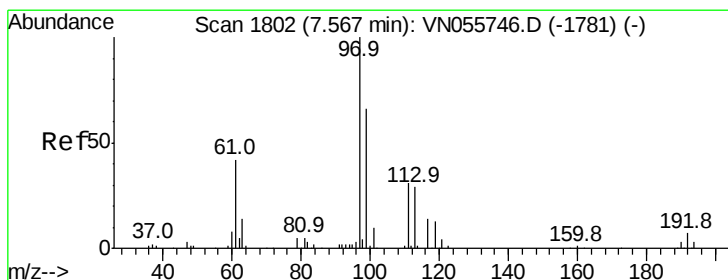
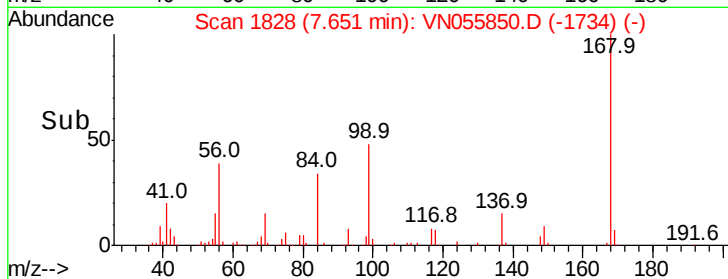
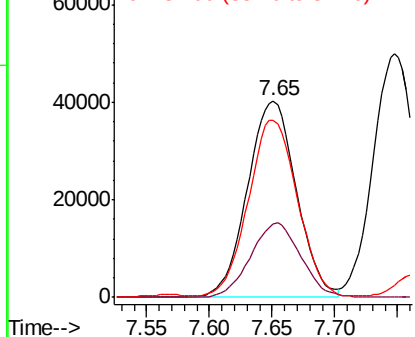
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.6	38.4
84	89.1	67.4	101.0

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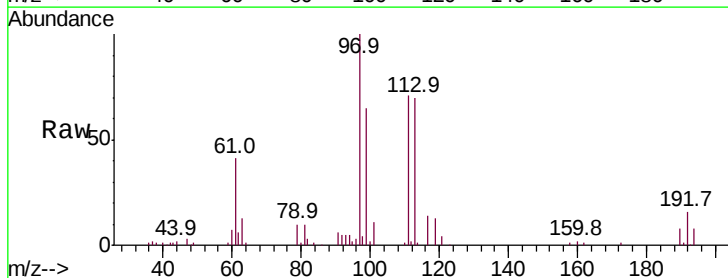


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

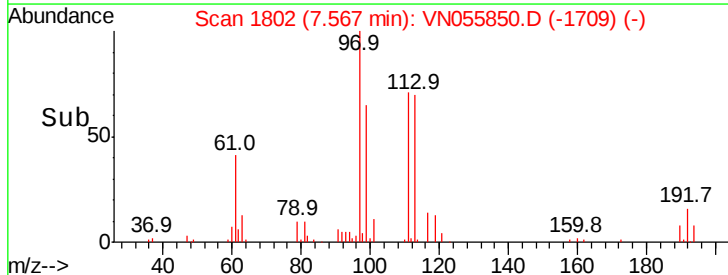
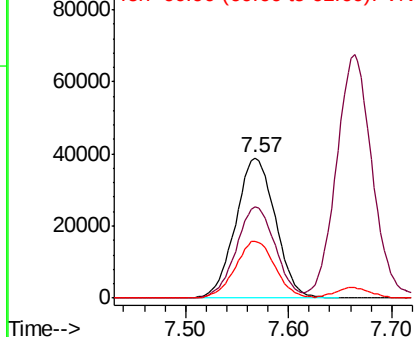


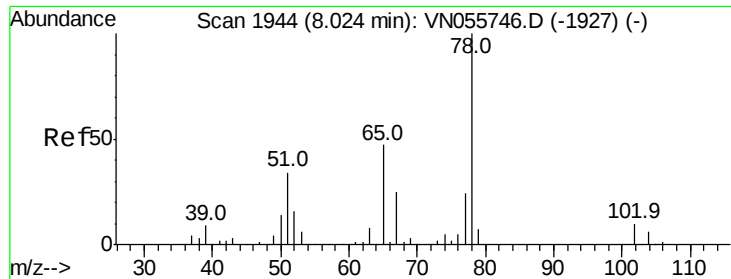
#32
1,1,1-Trichloroethane
Concen: 19.707 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	40.5	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





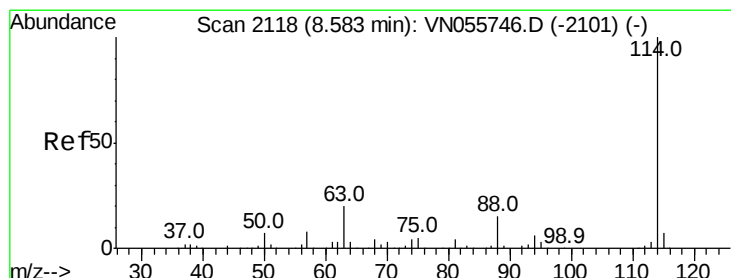
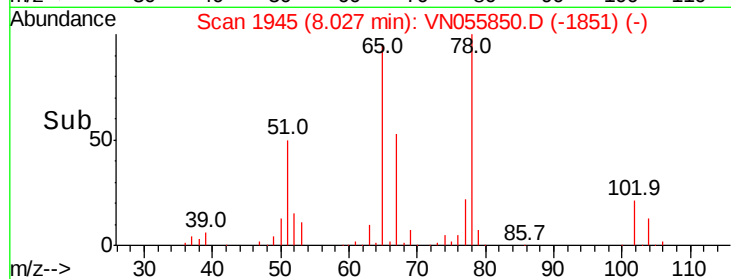
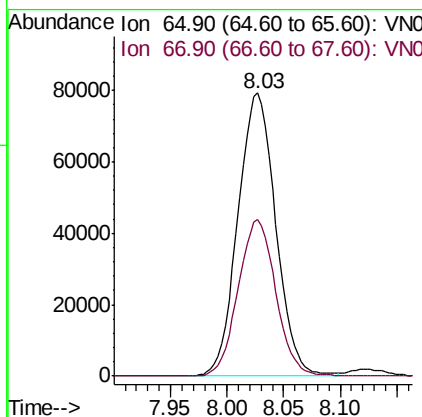
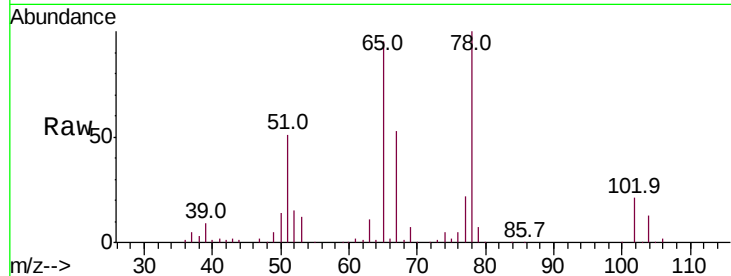
#33
 1,2-Dichloroethane-d4
 Concen: 49.732 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185054		
67	54.9	0.0	109.2	

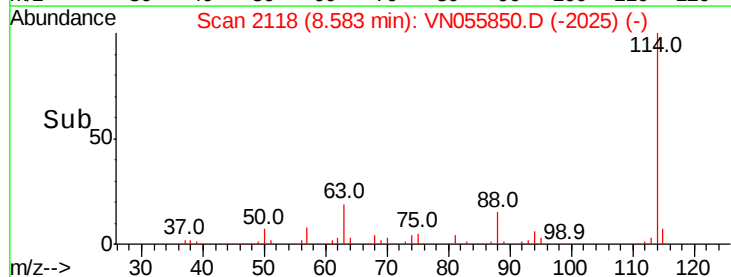
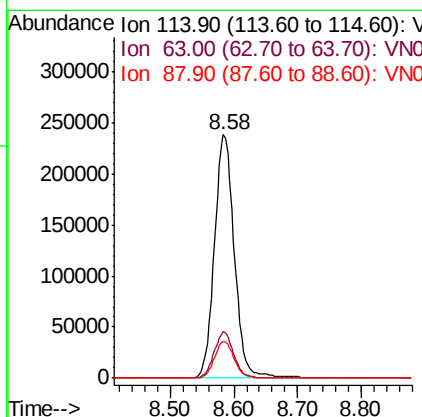
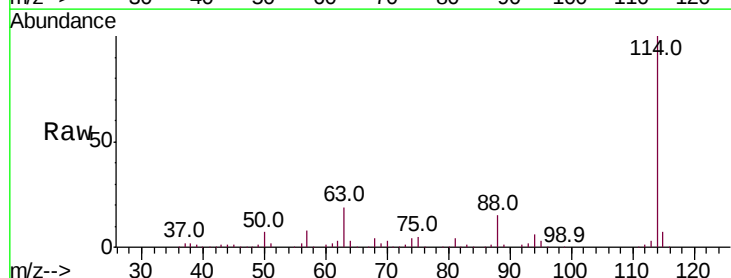
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518238		
63	18.9	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.746 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

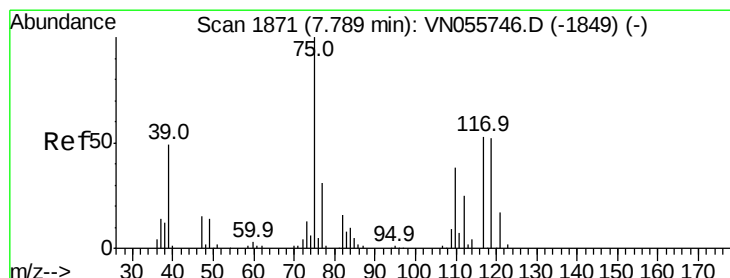
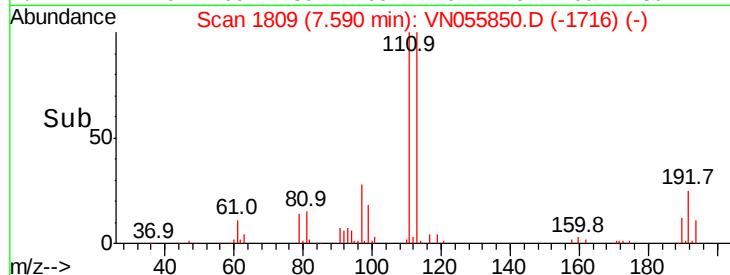
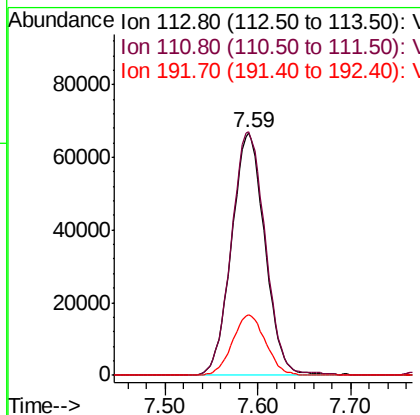
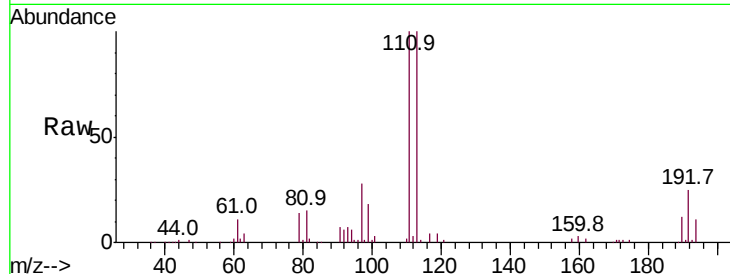
ClientSampleId :

VN0528WBSD01

Tot Ion:	113	Resp:	166269
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.9	122.9
192	24.8	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 18.769 ug/l

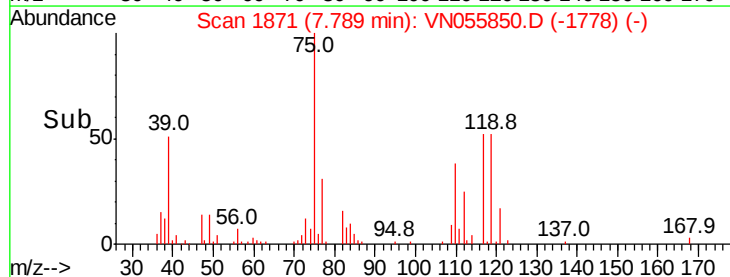
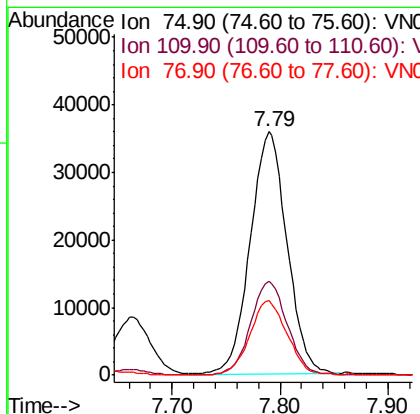
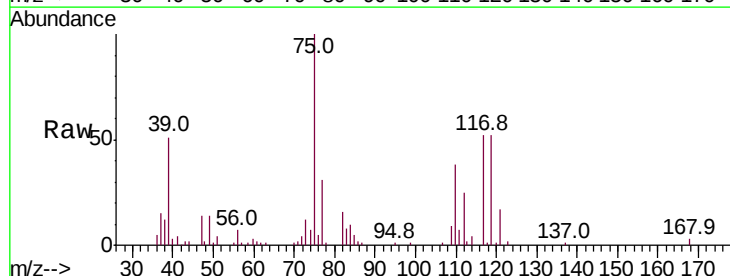
RT: 7.79 min Scan# 1871

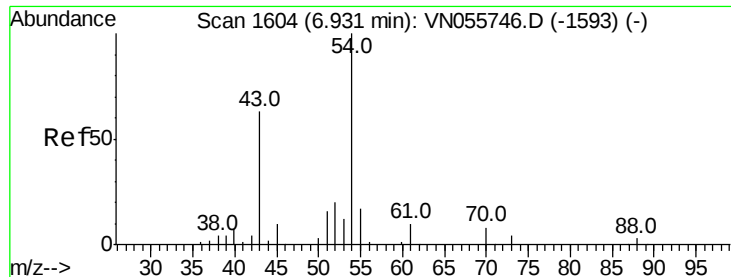
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	75	Resp:	84764
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.0	57.0
77	31.3	25.1	37.7





#37

Ethyl Acetate

Concen: 20.607 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055850.D

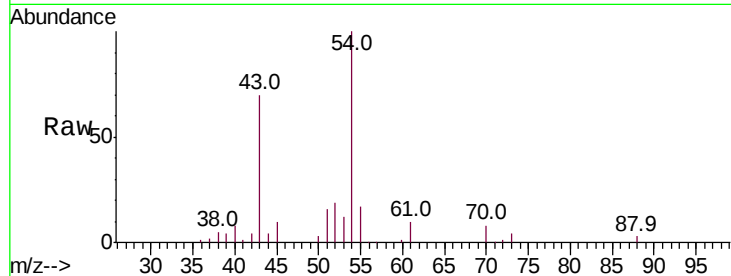
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.2	18.2
70	10.8	8.9	13.3

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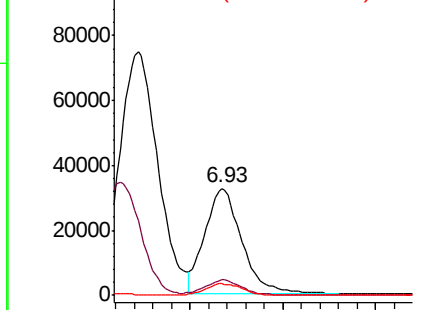


Abundance

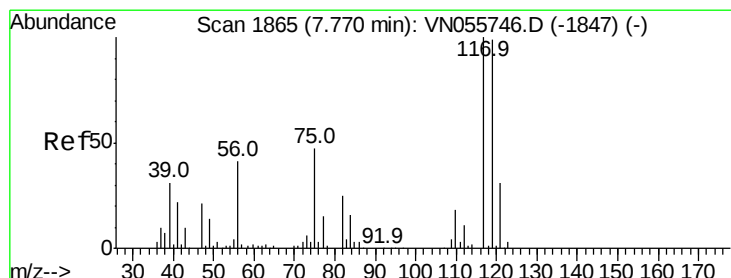
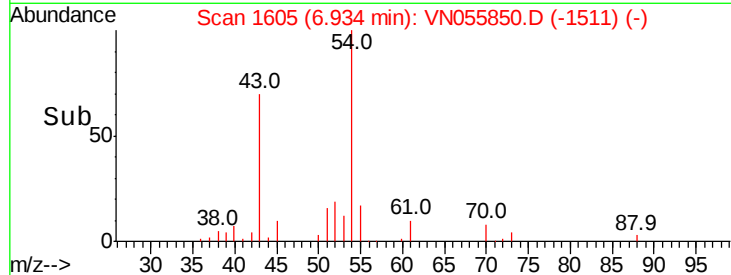
Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 18.692 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

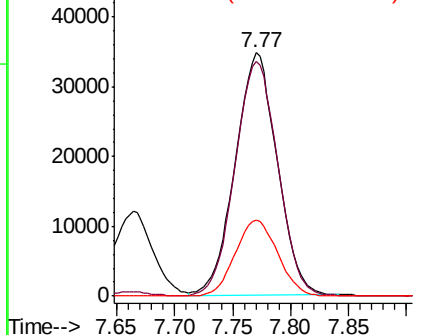
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.0	118.6
121	31.5	24.7	37.1

Abundance

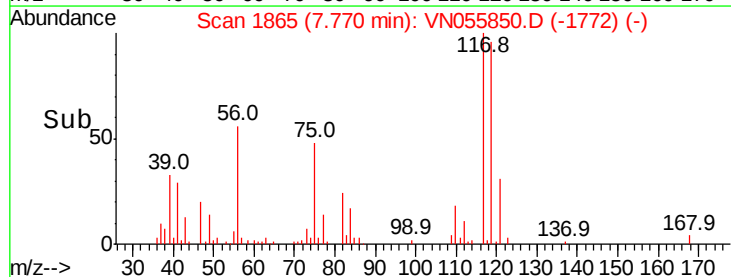
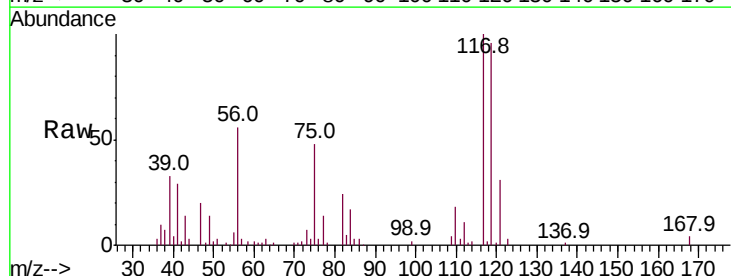
Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

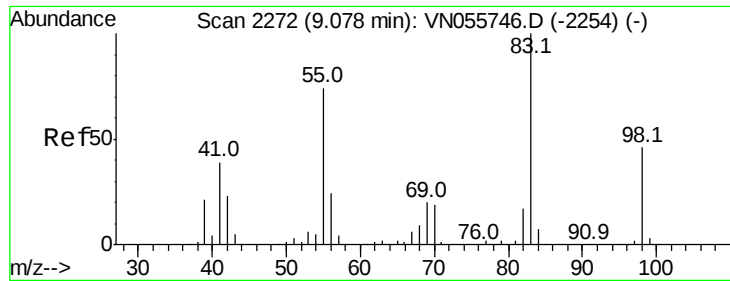
Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)



Time-->





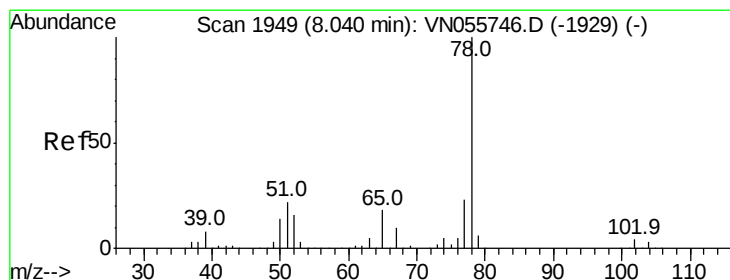
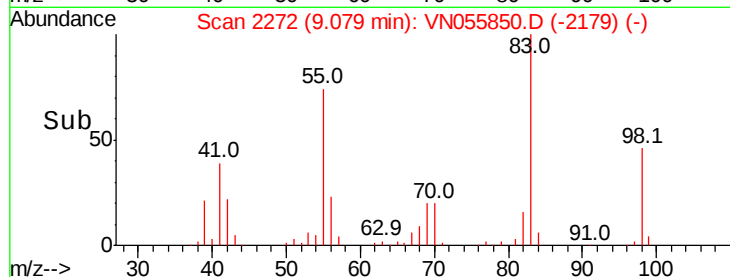
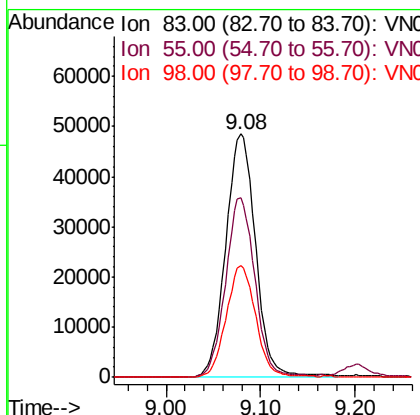
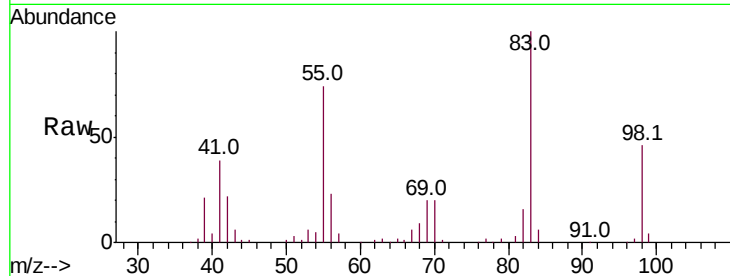
#39
Methvlcvclohexane
Concen: 19.092 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	83	Resp	106773
Ion Ratio	100	Lower	Upper
83	100		
55	73.9	59.3	88.9
98	46.1	36.6	54.8

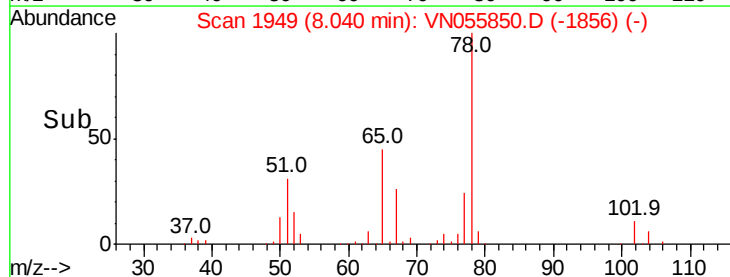
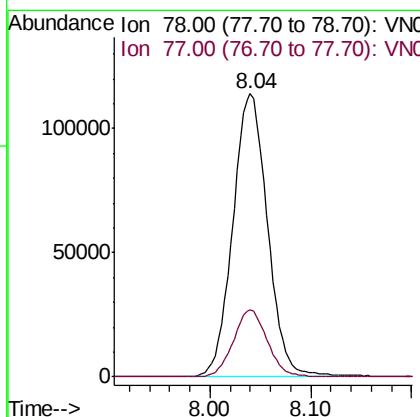
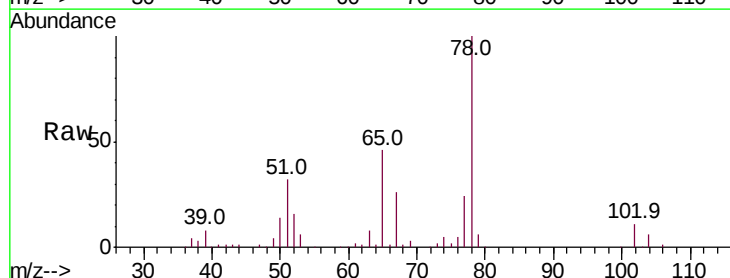
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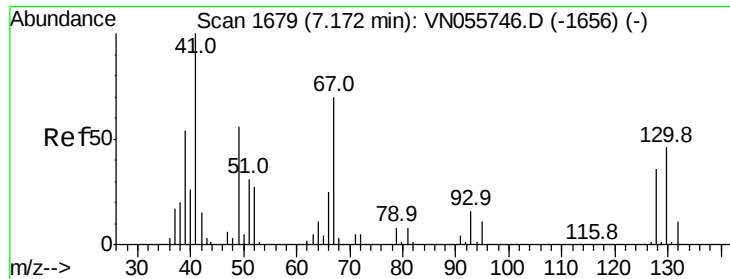
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#40
Benzene
Concen: 19.975 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	78	Resp	271877
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.8	28.2





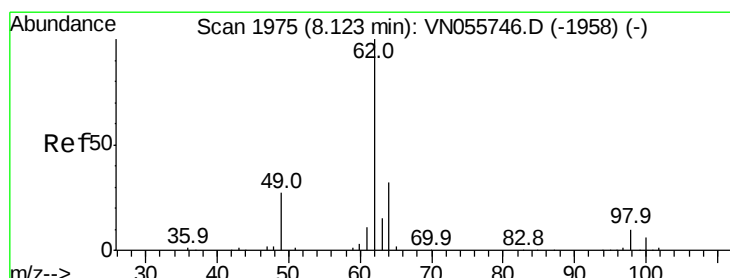
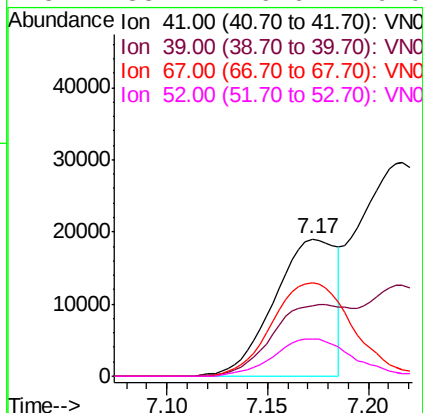
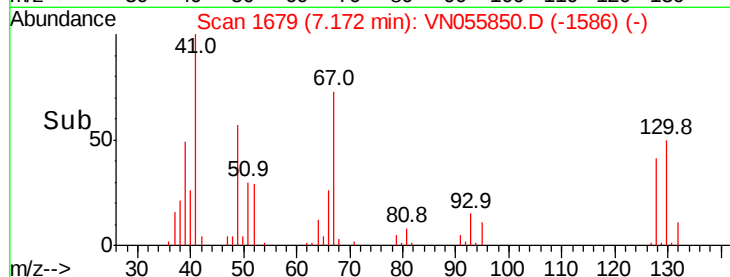
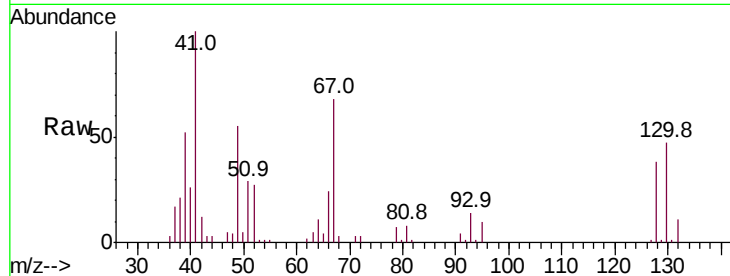
#41
Methacrylonitrile
Concen: 18.479 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.9	45.6	68.4	
67	89.3	67.7	101.5	
52	35.2	26.6	40.0	

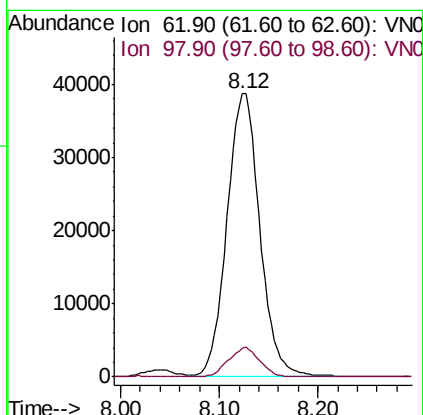
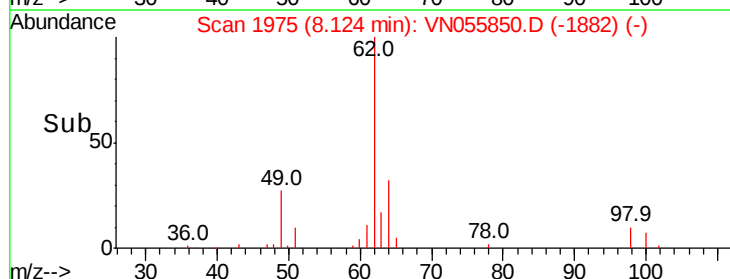
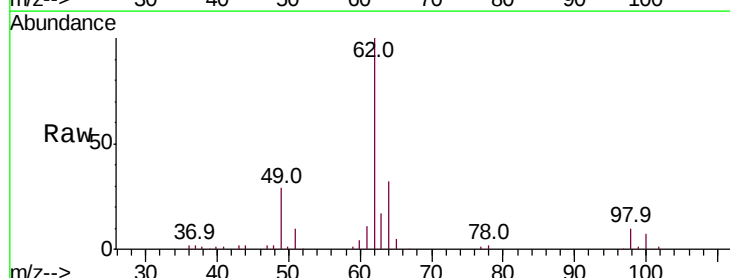
Manual Integrations
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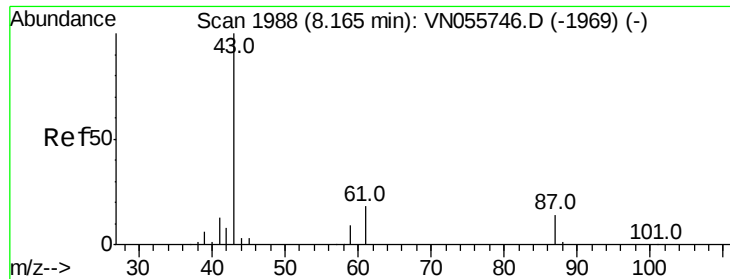
MMDadoda
5/29/2019 11:09:57 AM



#42
1,2-Dichloroethane
Concen: 20.281 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.428 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

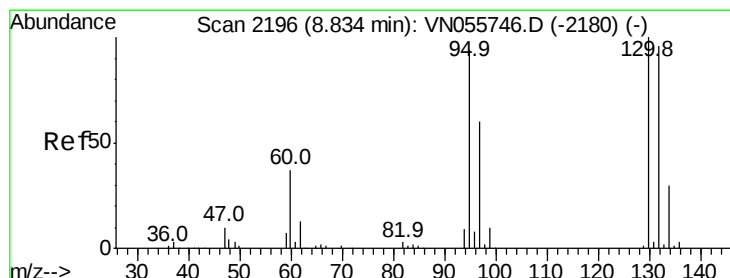
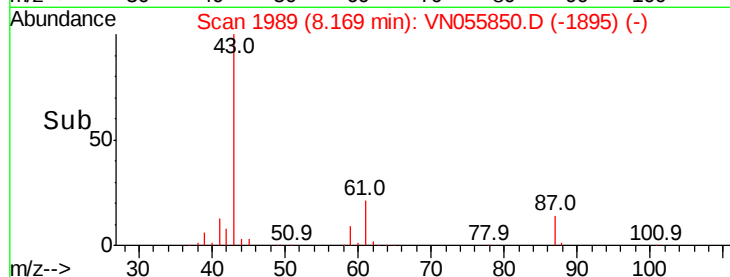
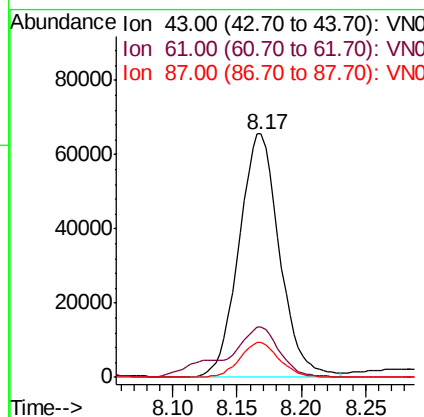
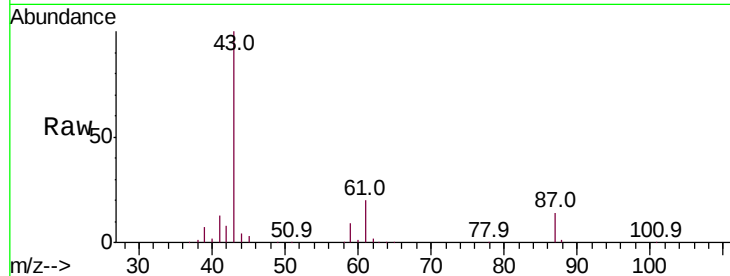
ClientSampleId :

VN0528WBSD01

Tot Ion:	43	Resp:	142482
Ion Ratio	Lower	Upper	
43	100		
61	27.7	22.2	33.4
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 20.442 ug/l

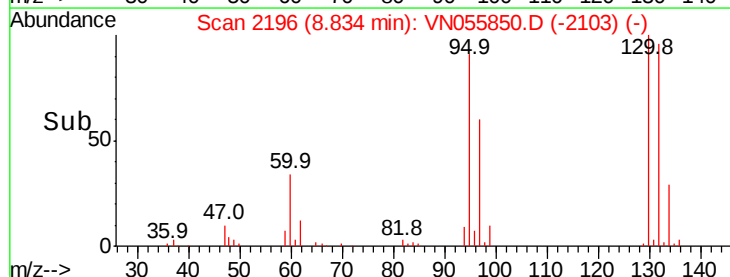
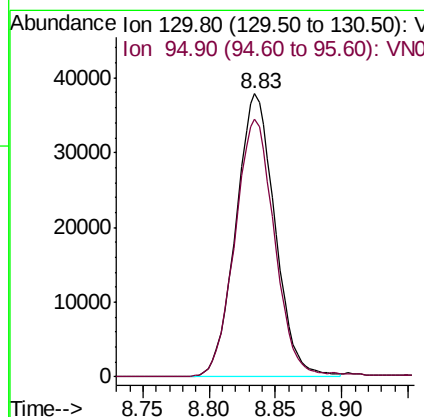
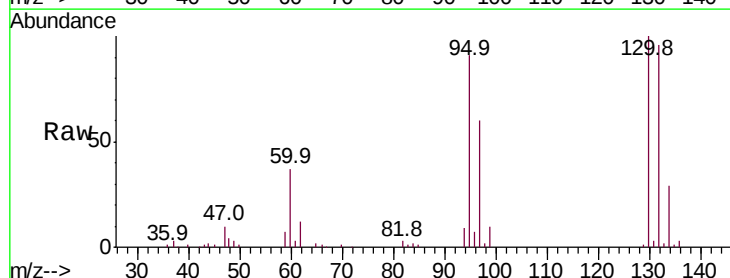
RT: 8.83 min Scan# 2196

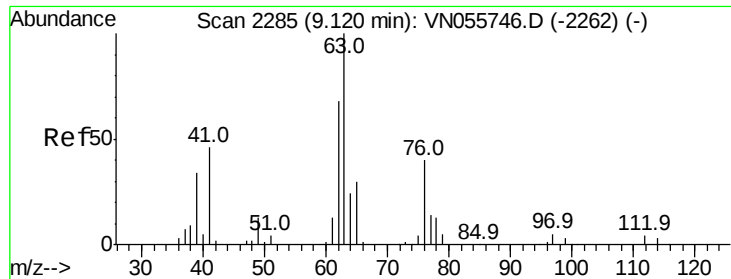
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	130	Resp:	77566
Ion Ratio	Lower	Upper	
130	100		
95	91.2	0.0	188.0





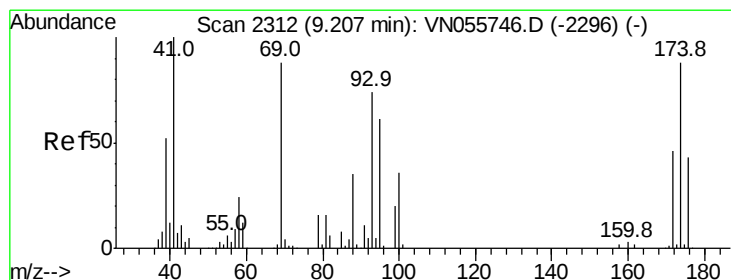
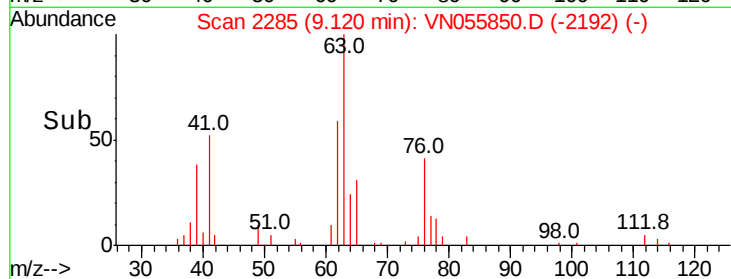
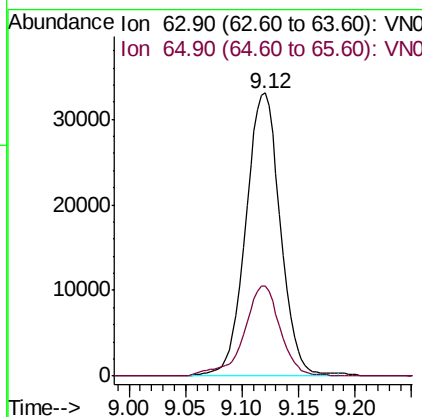
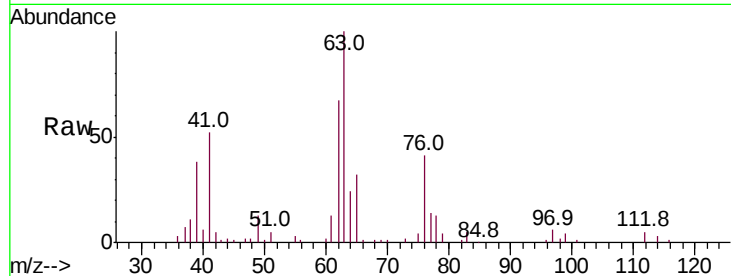
#45
 1,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0528WBSD01

Tot Ion: 63 Resp: 70330
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

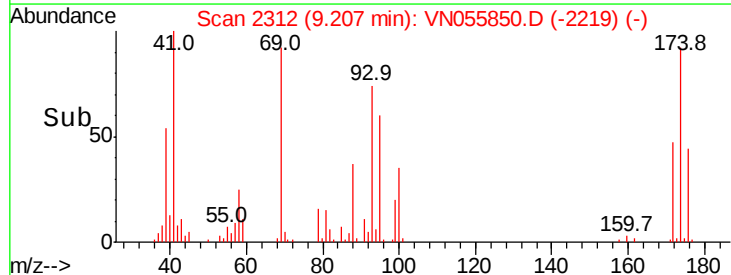
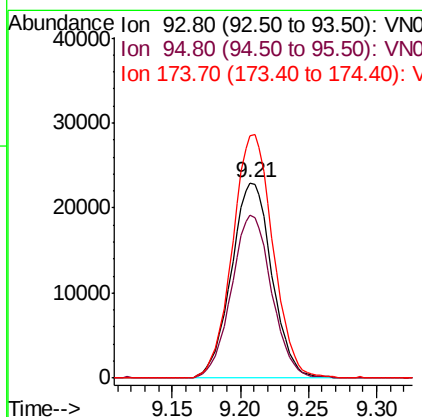
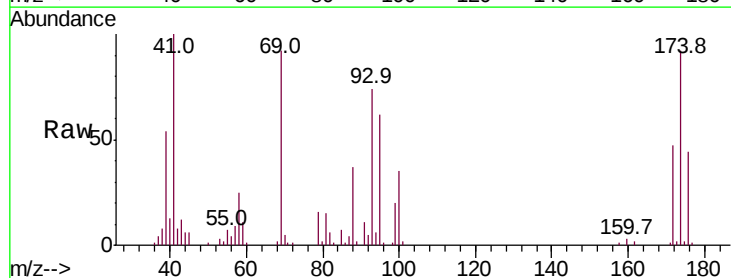
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#46
 Dibromomethane
 Concen: 20.362 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 93 Resp: 47355
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 124.7 96.4 144.6





#47

Bromodichloromethane

Concen: 19.409 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

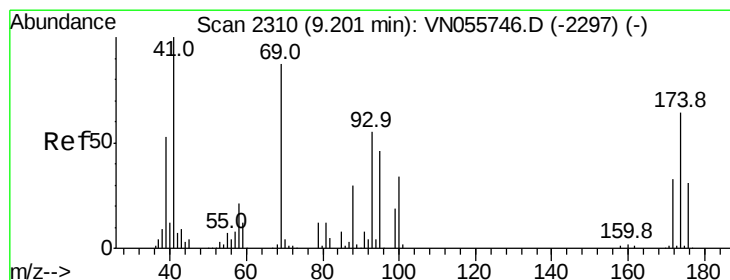
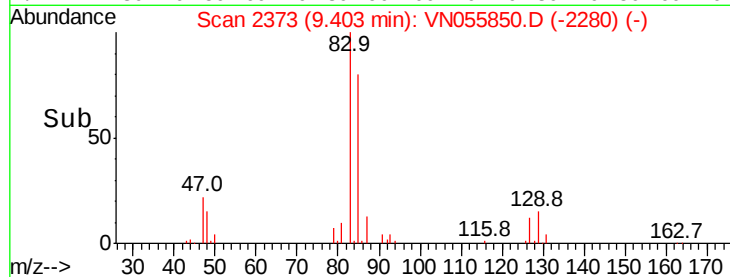
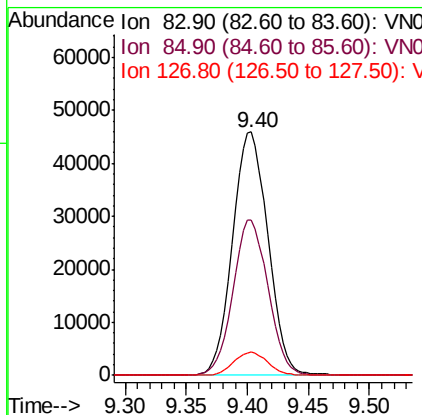
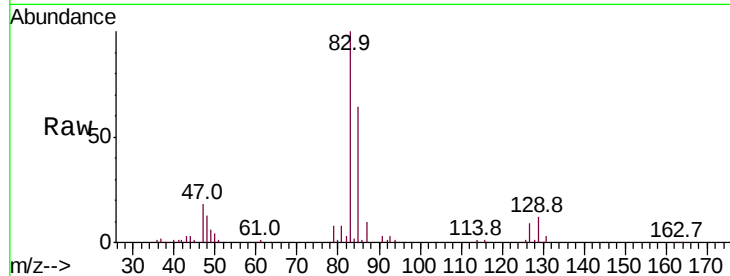
ClientSampleId :

VN0528WBSD01

Tot Ion:	83	Resp:	92558
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.2	78.2
127	9.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.766 ug/l

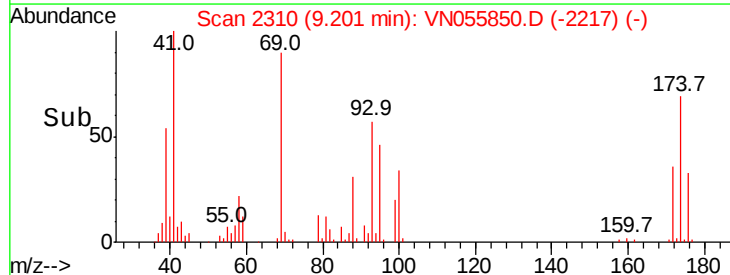
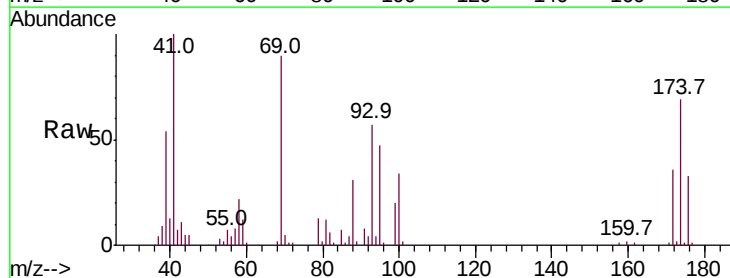
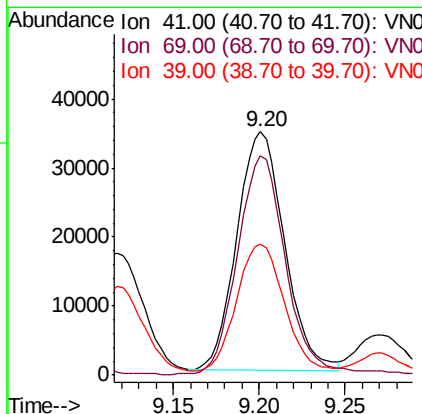
RT: 9.20 min Scan# 2310

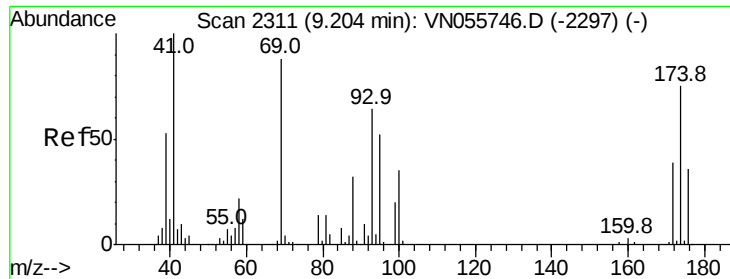
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	41	Resp:	66810
Ion Ratio	Lower	Upper	
41	100		
69	94.4	71.0	106.6
39	56.0	44.2	66.2





#49

1,4-Dioxane

Concen: 400.831 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 88 Resp: 28154

Ion Ratio Lower Upper

88 100

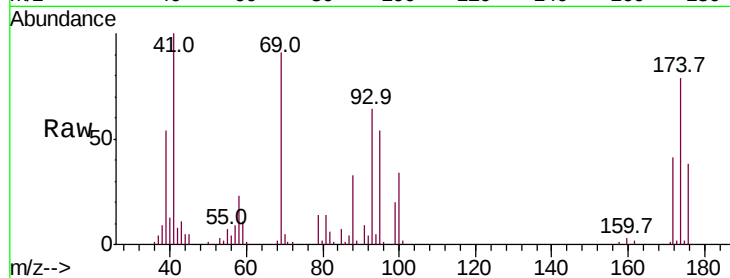
43 25.7 20.5 30.7

58 63.2 55.8 83.6

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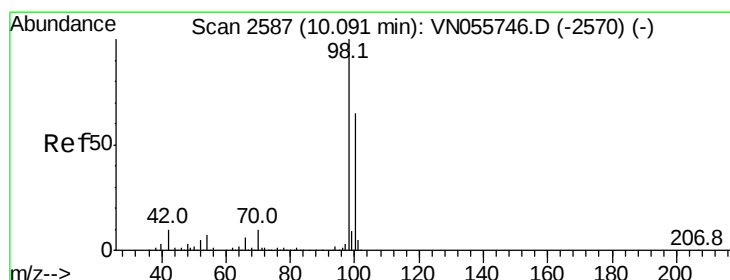
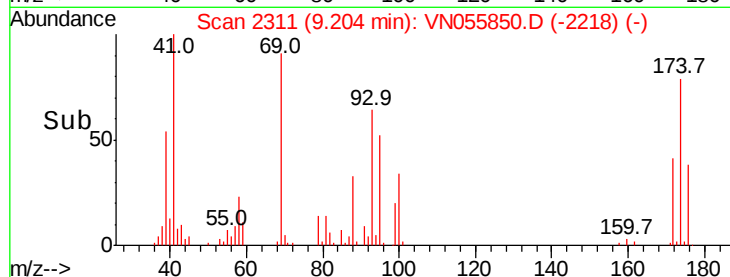
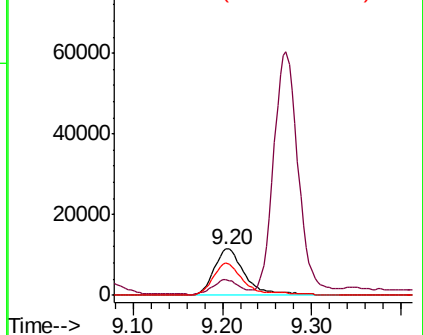
5/29/2019 11:09:57 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055850.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055850.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055850.D (-2218) (-)



#50

Toluene-d8

Concen: 49.437 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055850.D

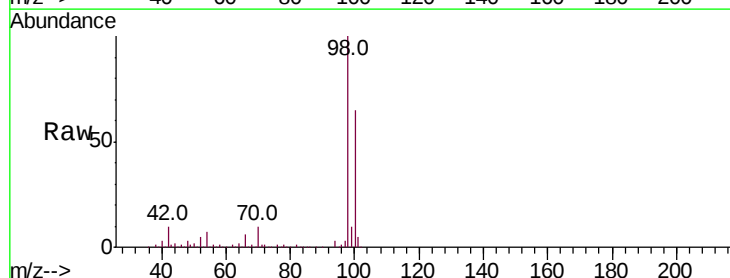
Acq: 28 May 2019 14:06

Tgt Ion: 98 Resp: 621331

Ion Ratio Lower Upper

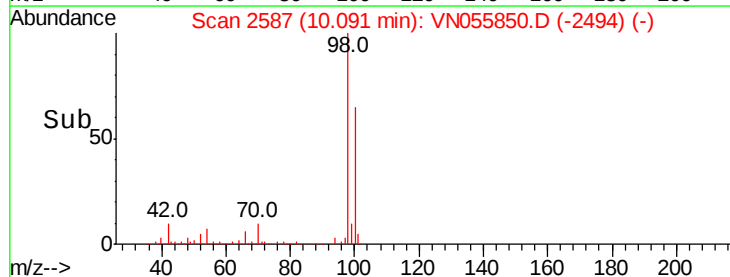
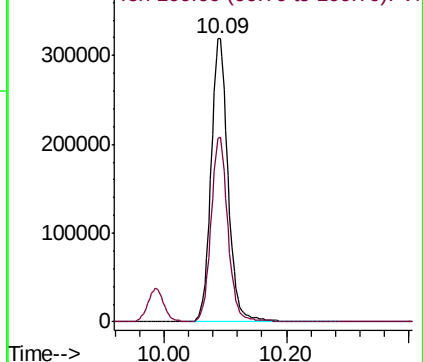
98 100

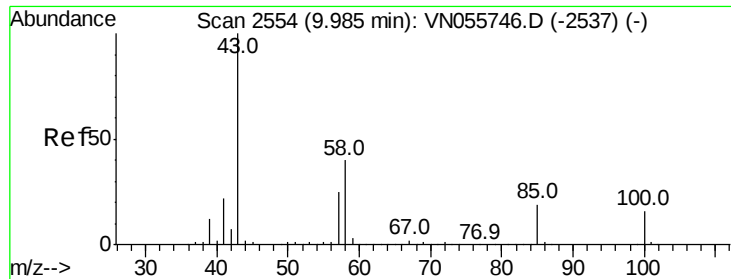
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055850.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055850.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.810 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tot Ion: 43 Resp: 432315

Ion Ratio Lower Upper

43 100

58 39.6 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

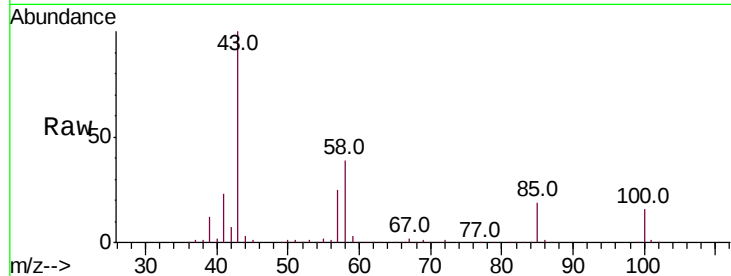
VN0528WBSD01

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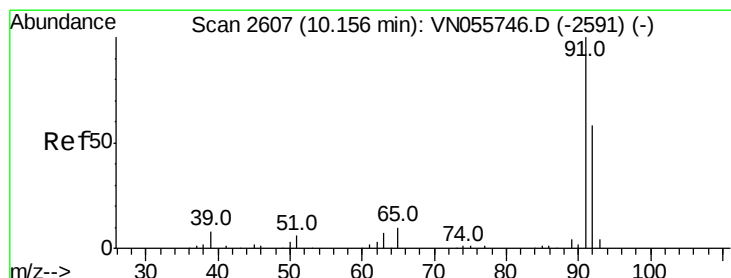
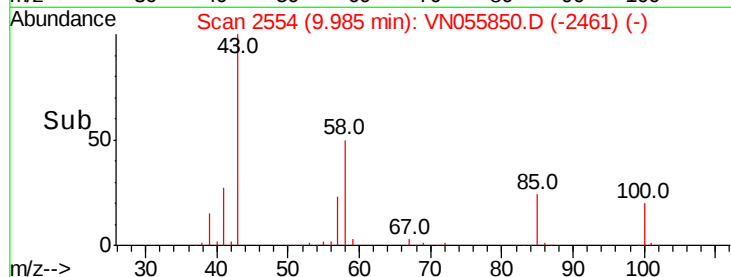
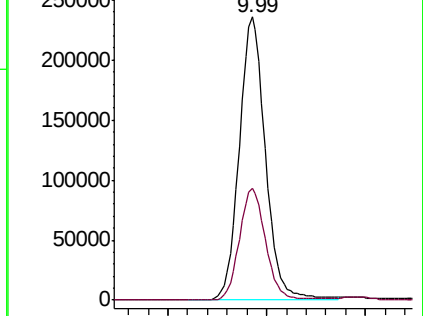
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.250 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055850.D

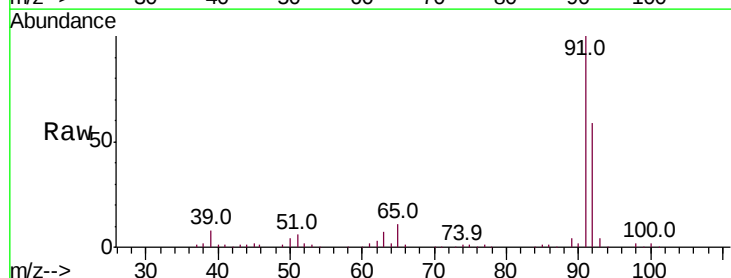
Acq: 28 May 2019 14:06

Tgt Ion: 92 Resp: 173345

Ion Ratio Lower Upper

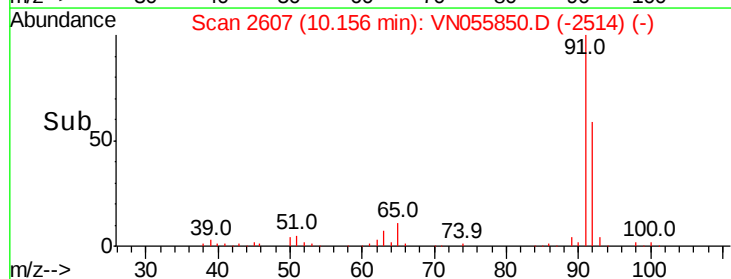
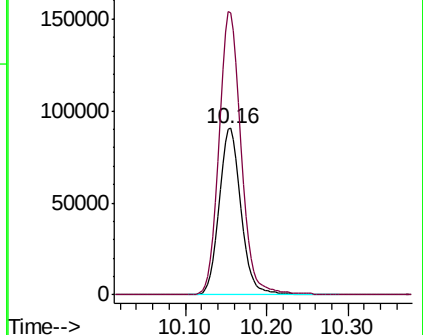
92 100

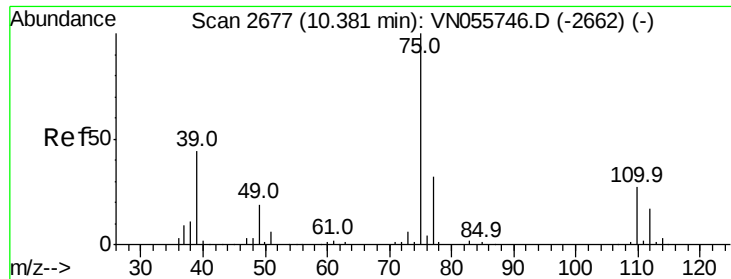
91 171.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





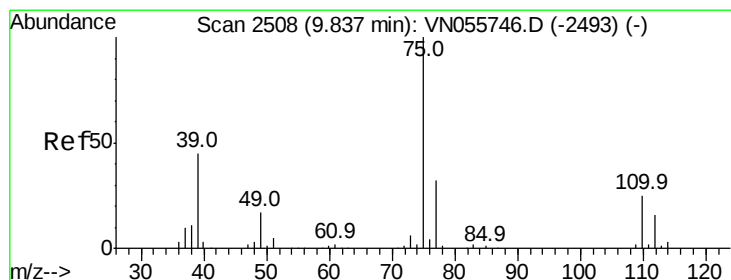
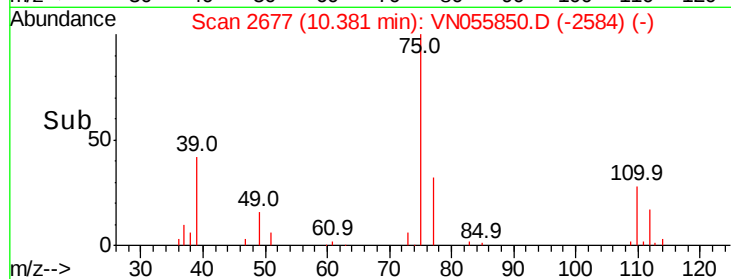
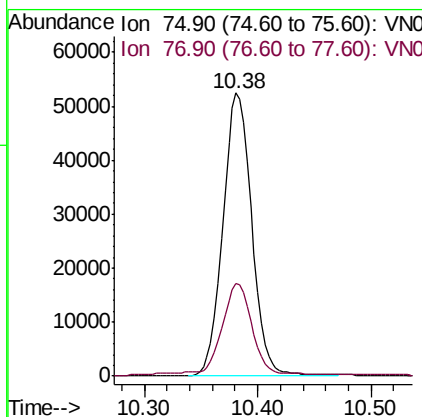
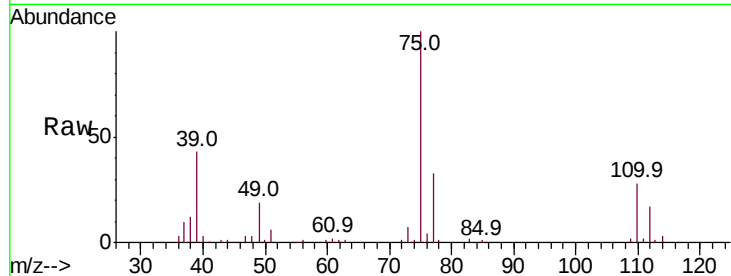
#53
t-1,3-Dichloropropene
Concen: 18.337 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 75 Resp: 93342
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

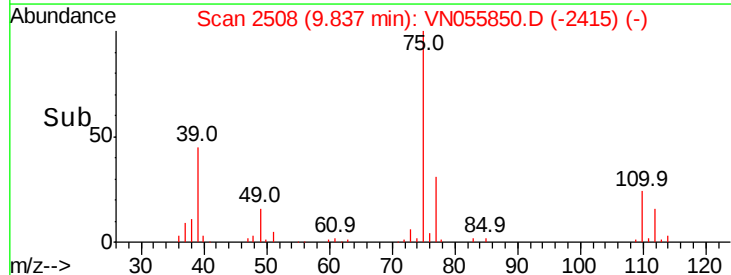
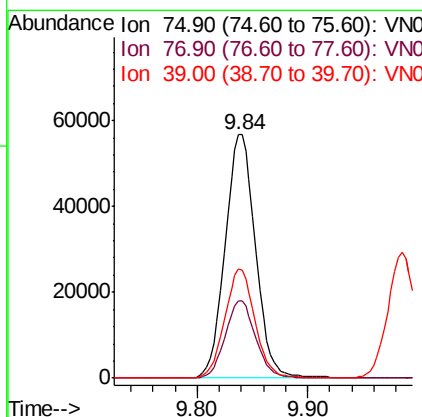
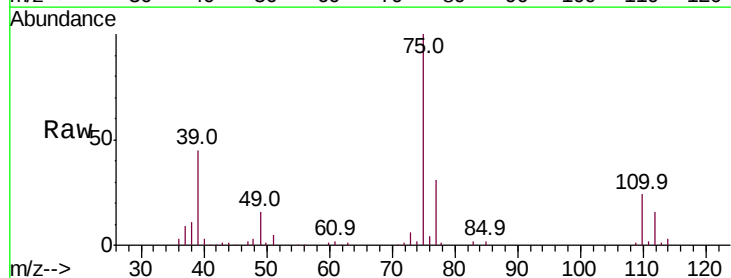
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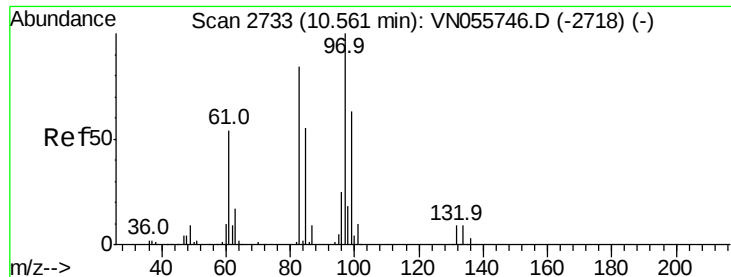
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#54
cis-1,3-Dichloropropene
Concen: 19.185 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 75 Resp: 108190
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 44.9 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.468 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 97 Resp: 70193

Ion Ratio Lower Upper

97 100

83 83.6 67.0 100.6

85 53.6 44.0 66.0

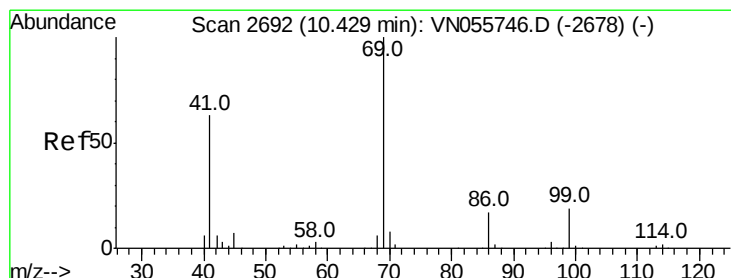
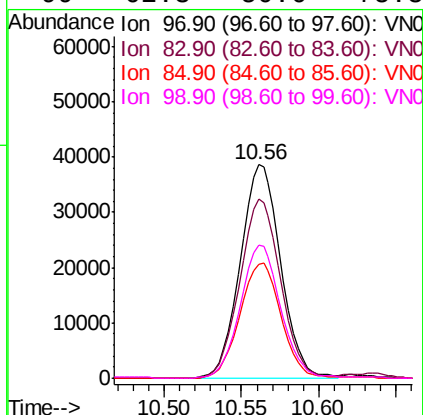
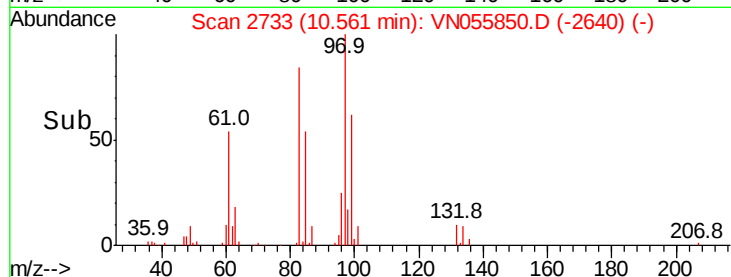
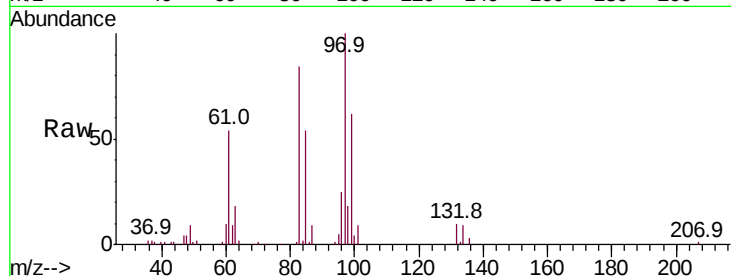
99 62.3 50.6 75.8

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#56

Ethyl methacrylate

Concen: 19.293 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

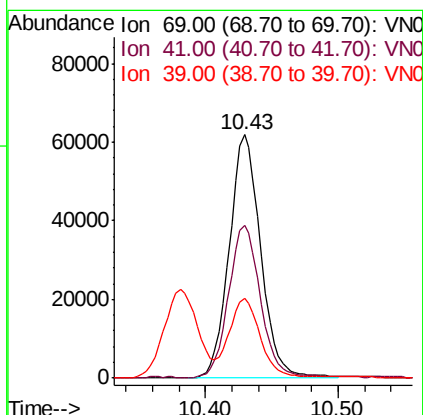
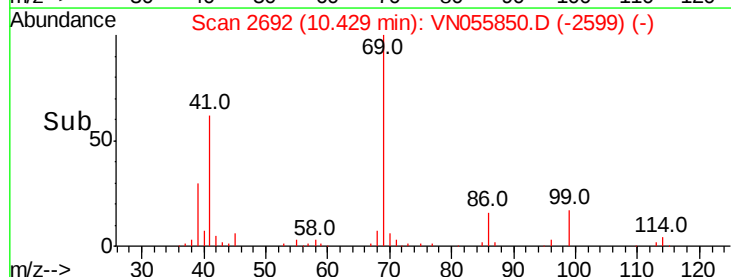
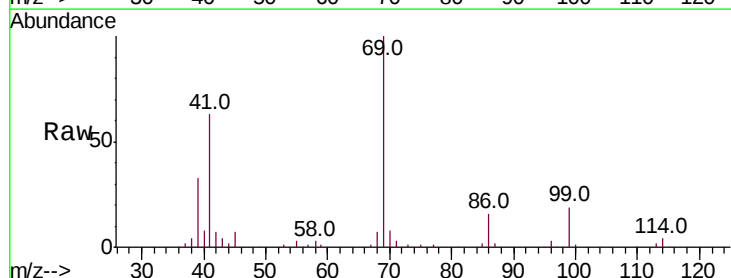
Tgt Ion: 69 Resp: 102252

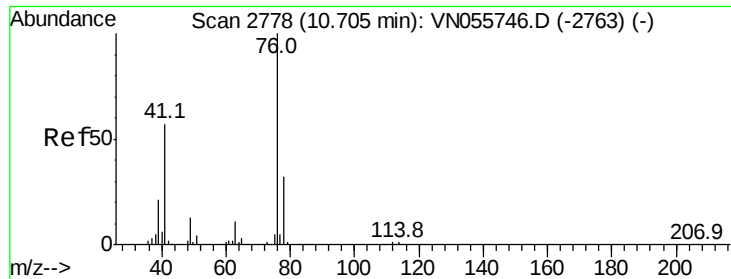
Ion Ratio Lower Upper

69 100

41 64.6 49.7 74.5

39 31.8 24.7 37.1





#57

1,3-Dichloropropane

Concen: 20.101 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 76 Resp: 112049

Ion Ratio Lower Upper

76 100

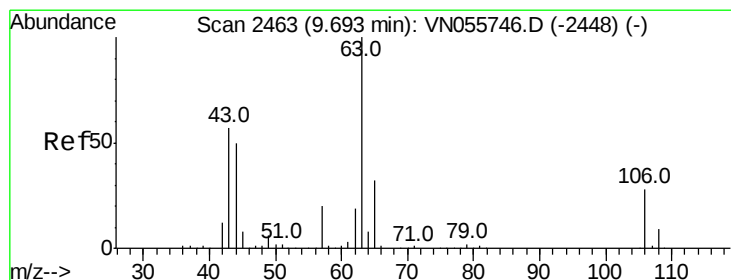
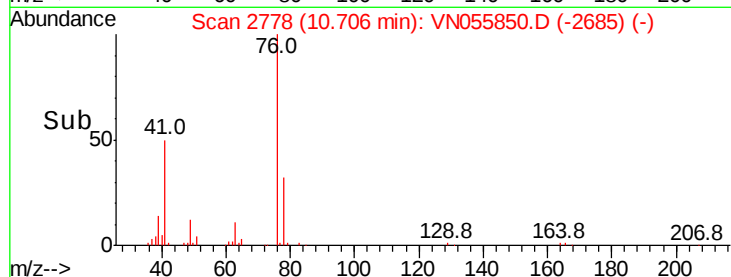
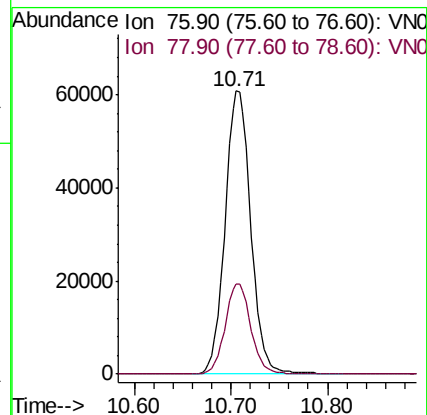
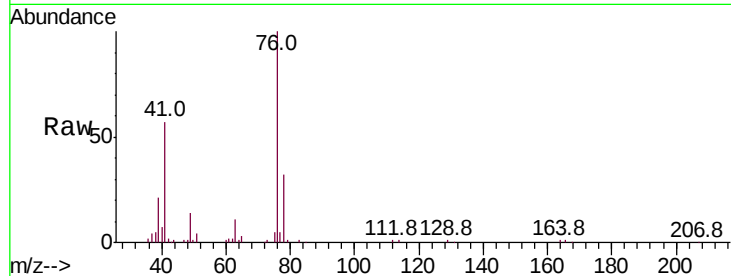
78 31.7 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 90.833 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055850.D

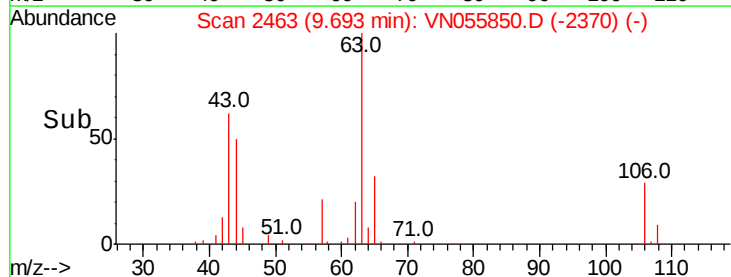
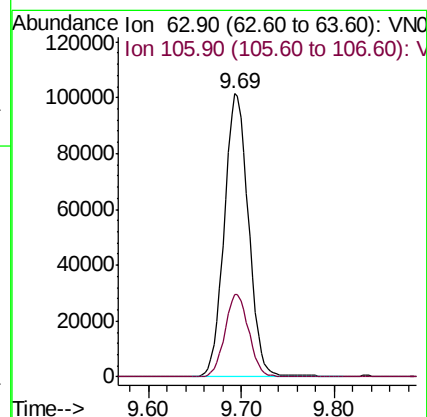
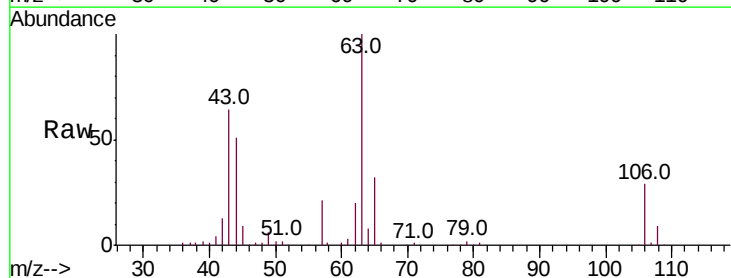
Acq: 28 May 2019 14:06

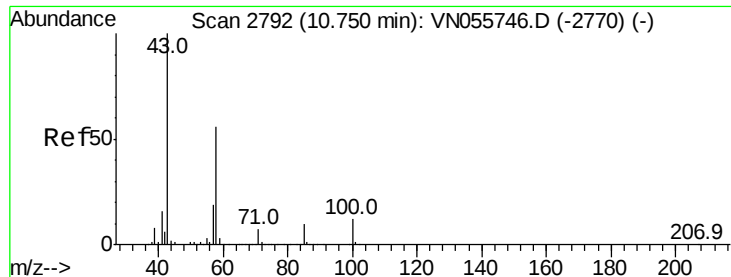
Tgt Ion: 63 Resp: 183977

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1





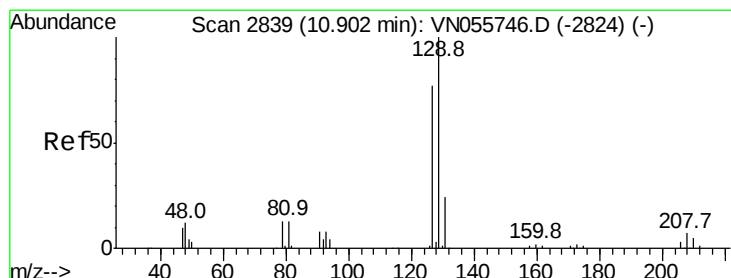
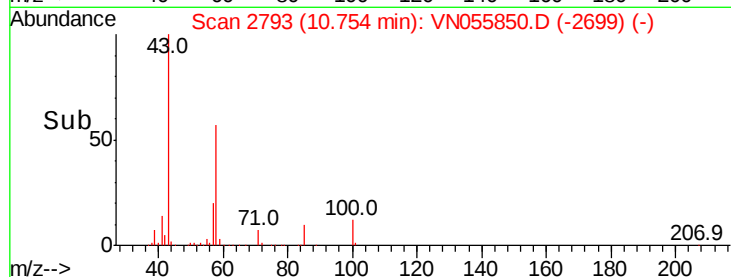
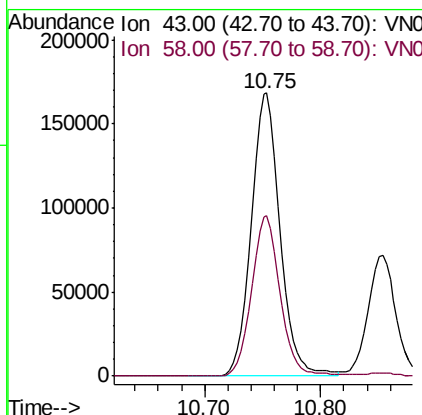
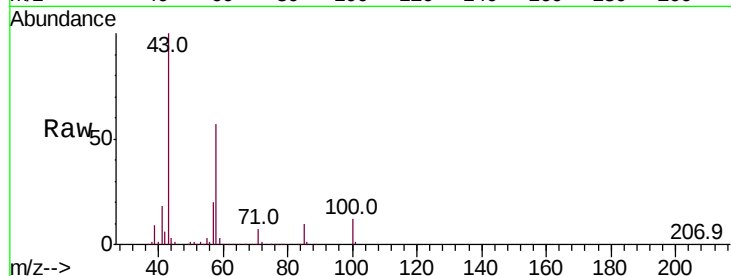
#59
2-Hexanone
Concen: 94.796 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 43 Resp: 291280
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.7

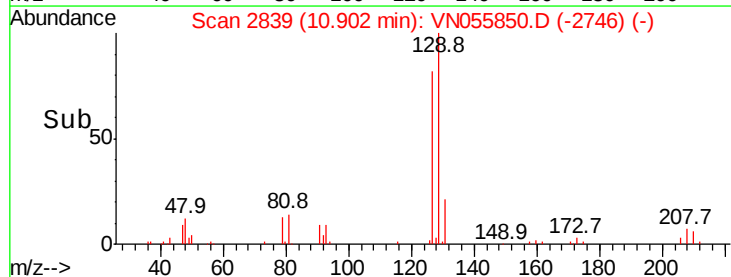
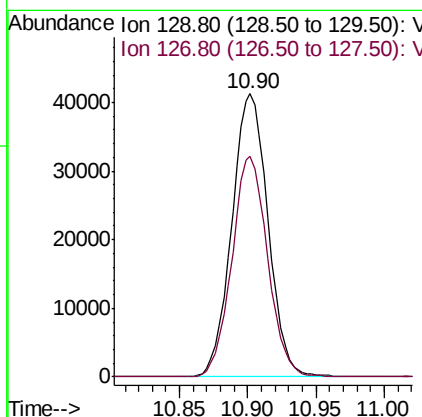
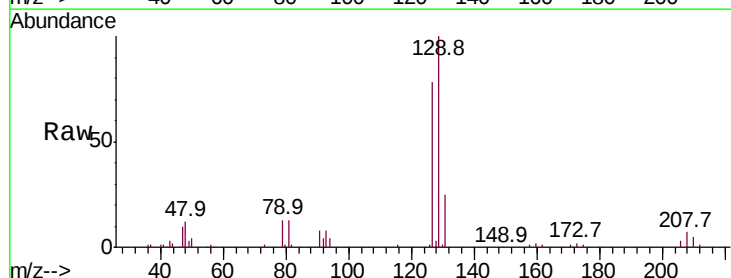
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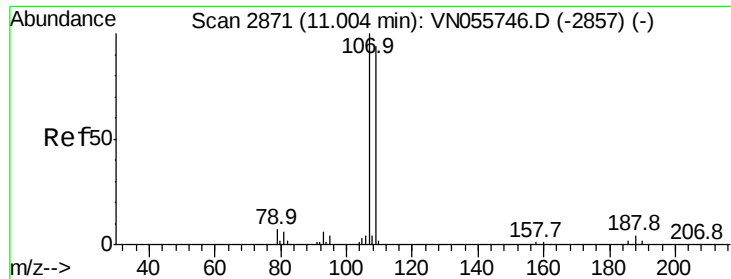
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#60
Dibromochloromethane
Concen: 18.999 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 129 Resp: 75901
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





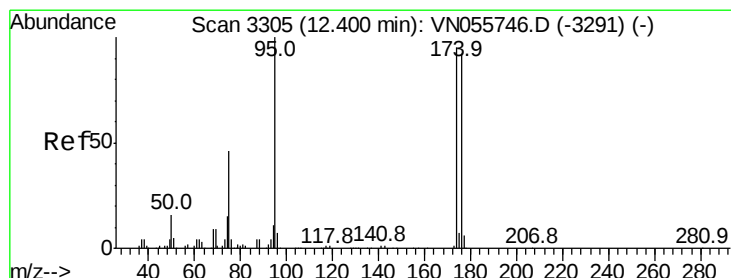
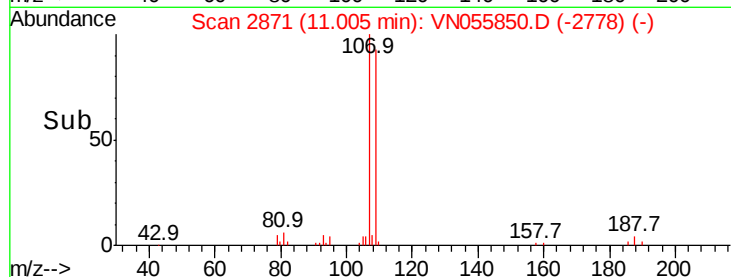
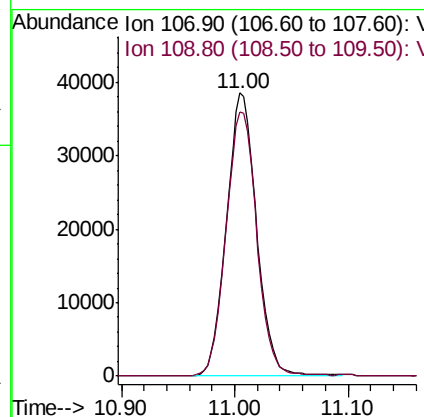
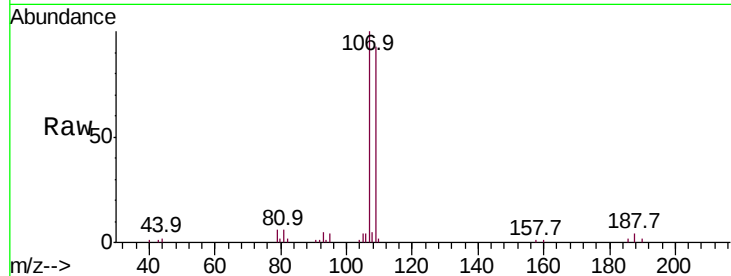
#61
 1,2-Dibromoethane
 Concen: 20.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

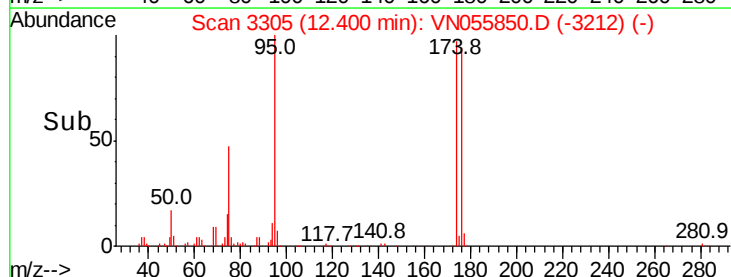
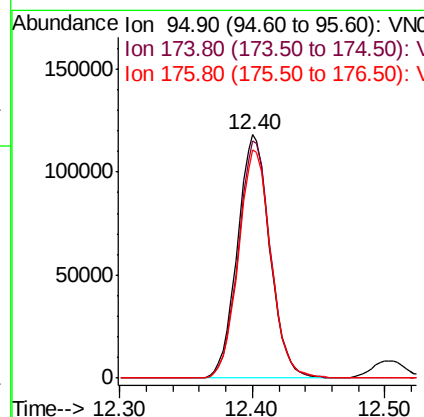
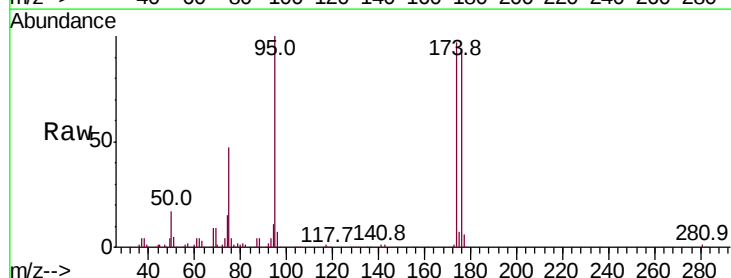
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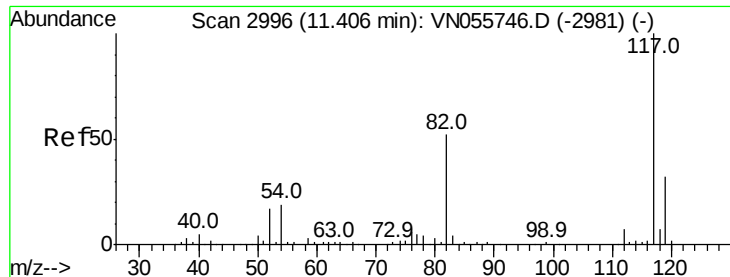
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#62
 4-Bromofluorobenzene
 Concen: 46.547 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	191.0
176	93.6	0.0	185.2





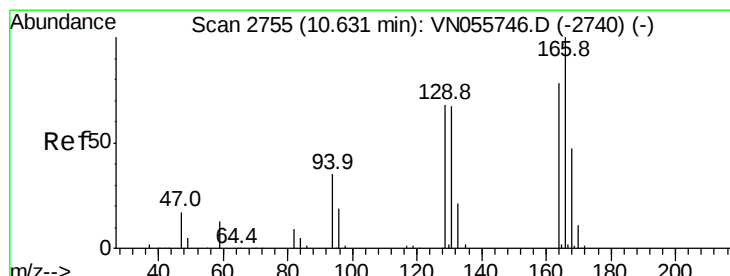
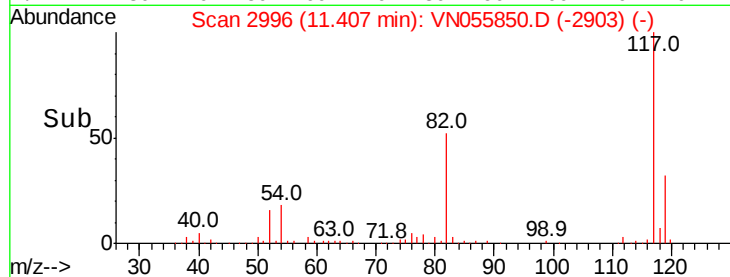
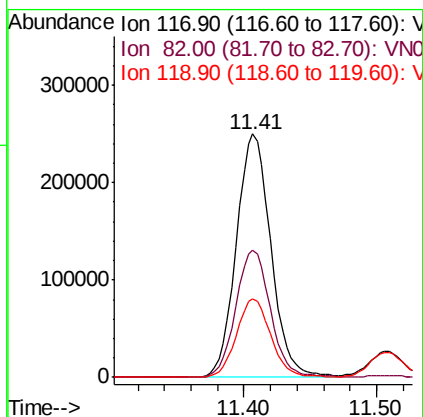
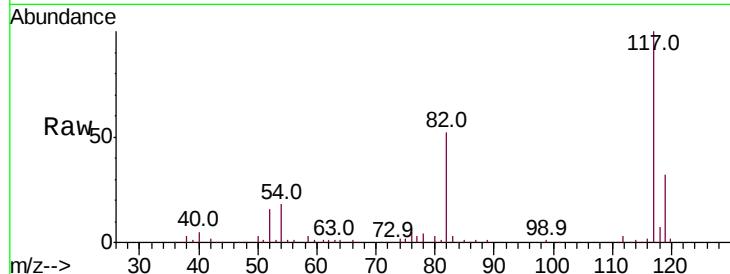
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	32.5	25.4	38.0

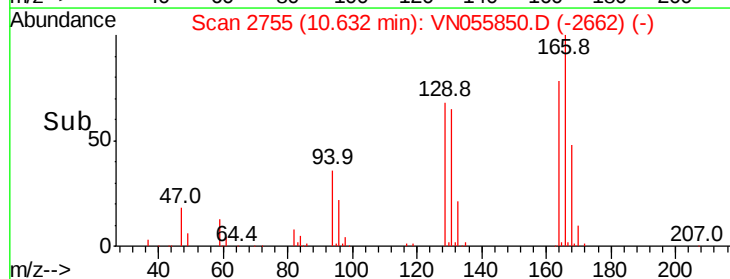
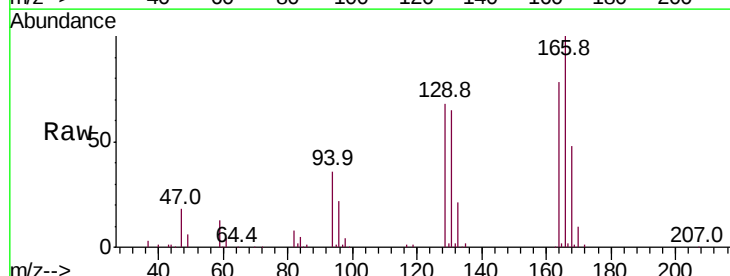
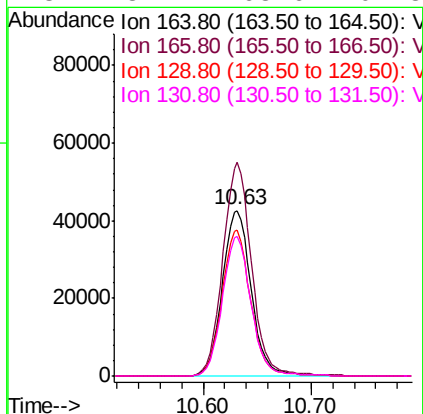
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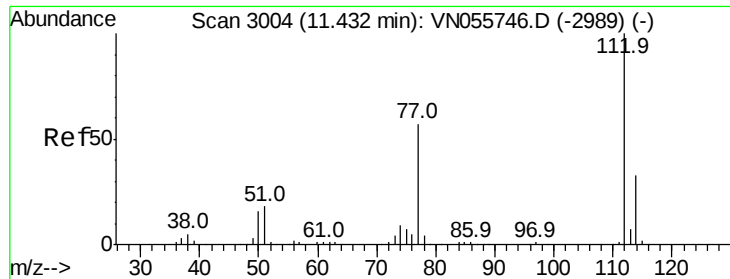
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#64
Tetrachloroethene
Concen: 20.865 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.0	154.6
129	88.0	70.6	105.8
131	84.1	68.6	102.8





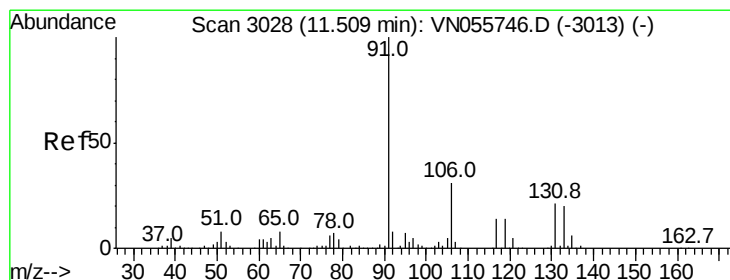
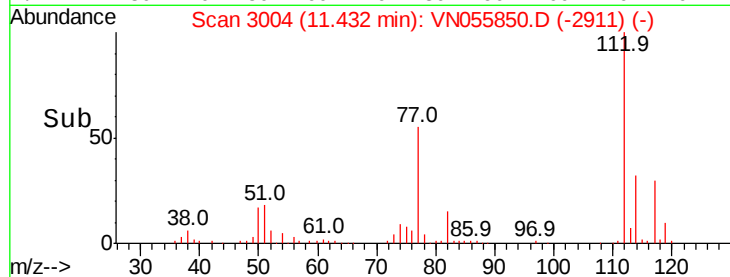
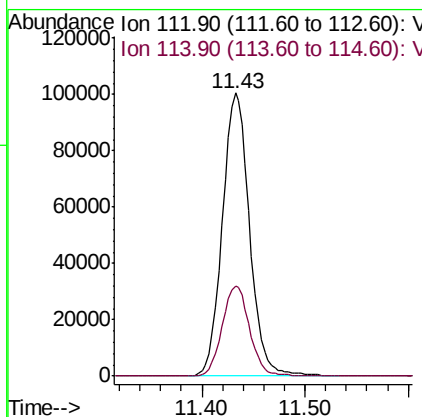
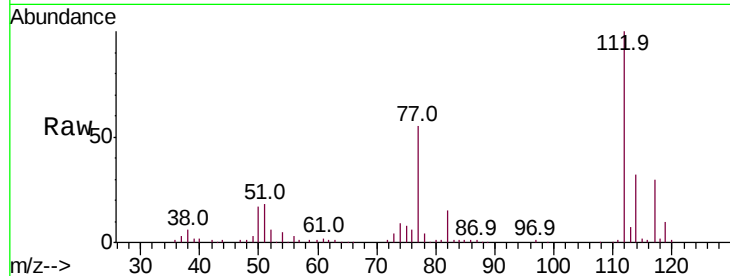
#65
Chlorobenzene
Concen: 20.337 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion:112 Resp: 184370
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

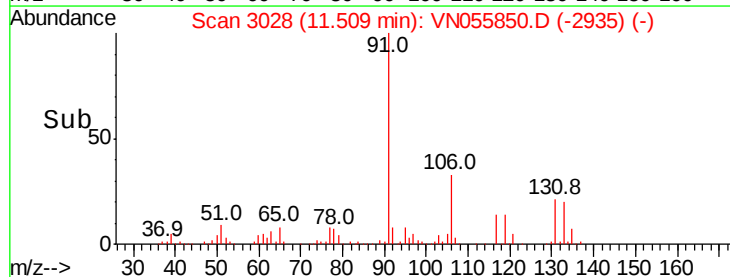
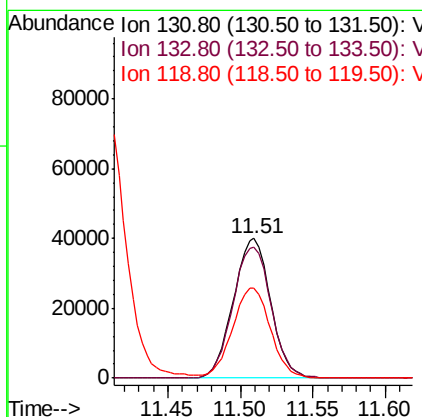
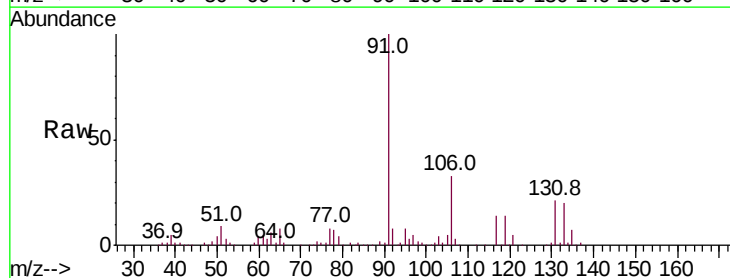
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.798 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion:131 Resp: 71586
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 65.9 33.1 99.5





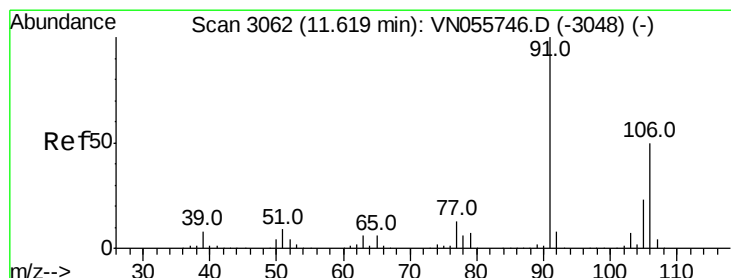
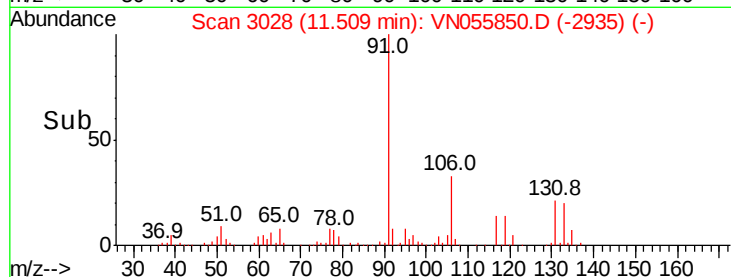
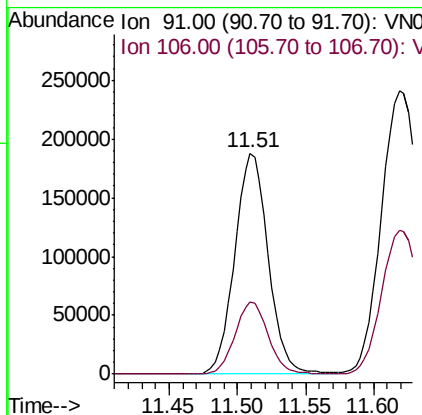
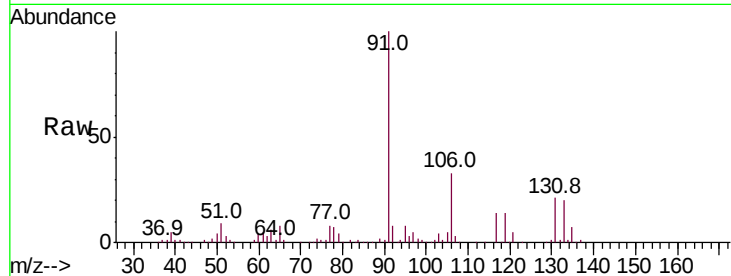
#67
Ethyl Benzene
Concen: 19.725 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0528WBSD01

Tot Ion: 91 Resp: 320692
Ion Ratio Lower Upper
91 100
106 32.8 25.1 37.7

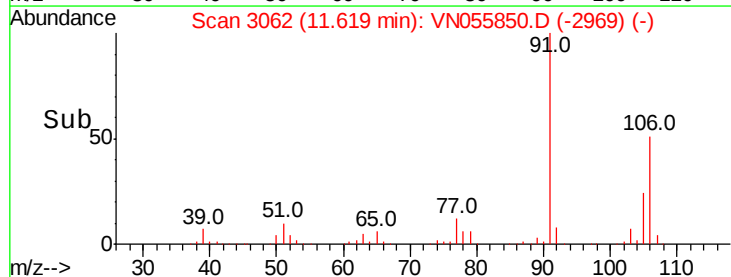
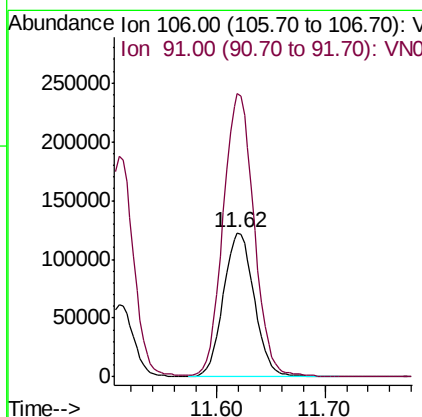
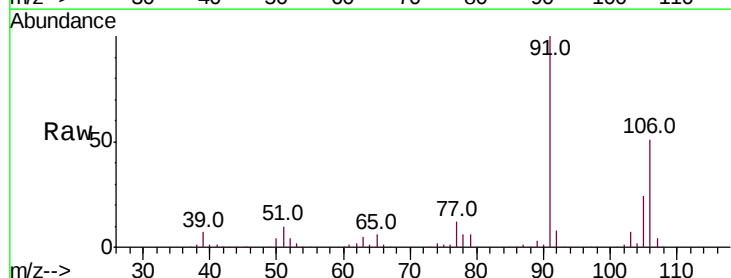
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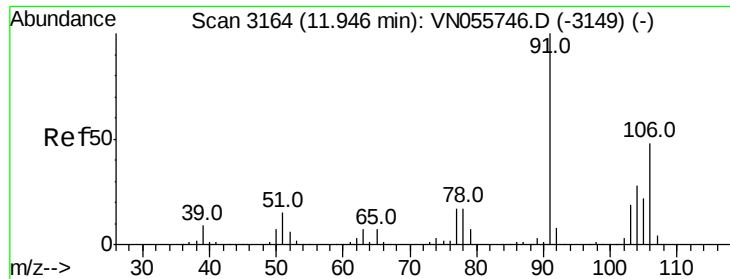
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#68
m/p-Xylenes
Concen: 39.800 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 106 Resp: 244621
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





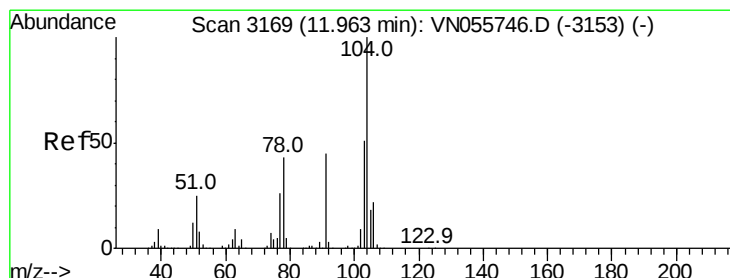
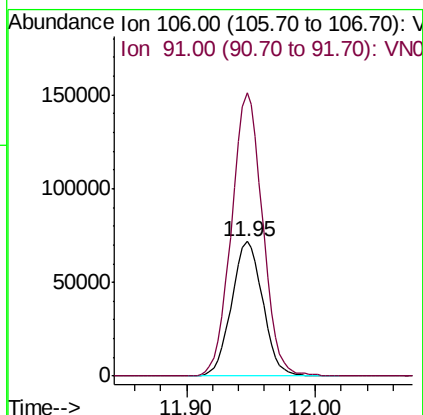
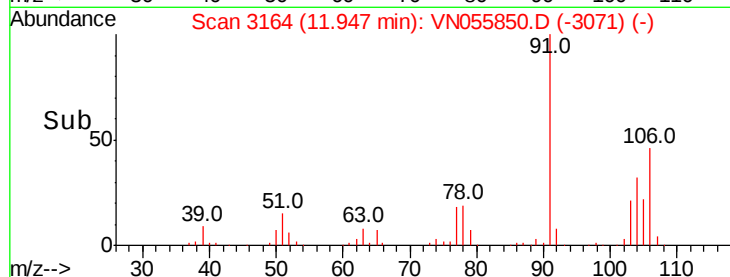
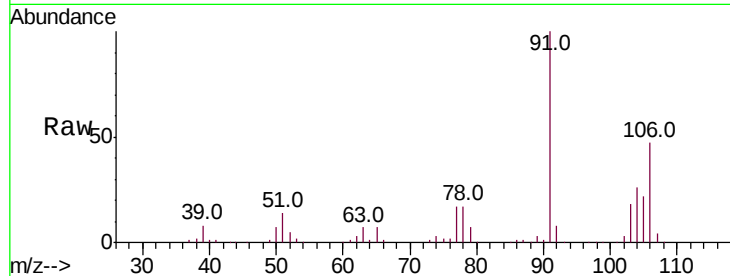
#69
o-Xylene
Concen: 19.779 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0528WBSD01

Tot Ion:106 Resp: 120612
Ion Ratio Lower Upper
106 100
91 209.7 104.7 314.1

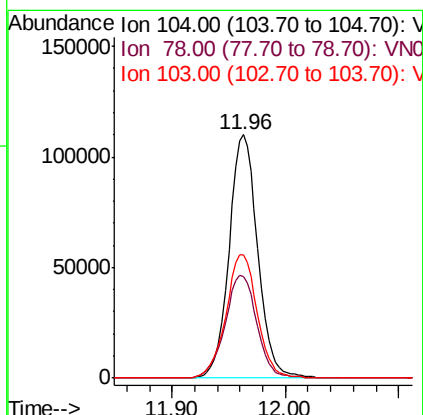
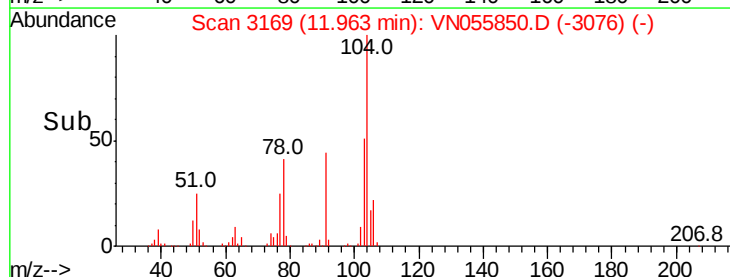
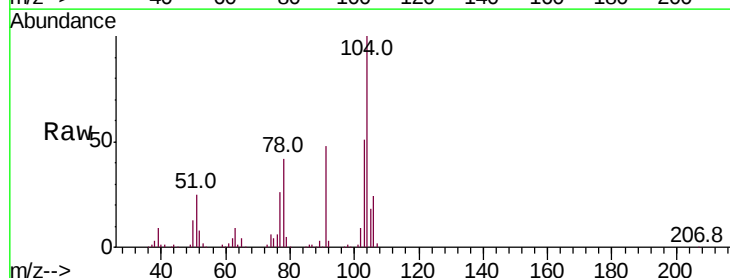
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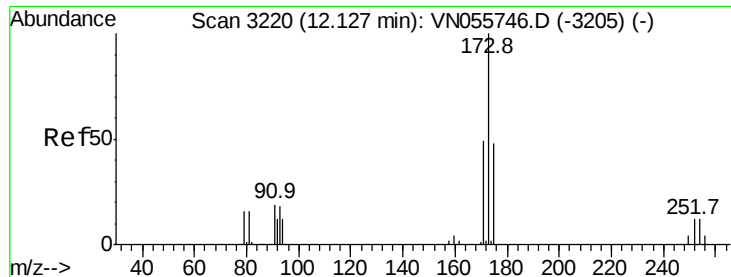
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#70
Styrene
Concen: 19.578 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion:104 Resp: 193330
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.8 44.2 66.2





#71

Bromoform

Concen: 18.146 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

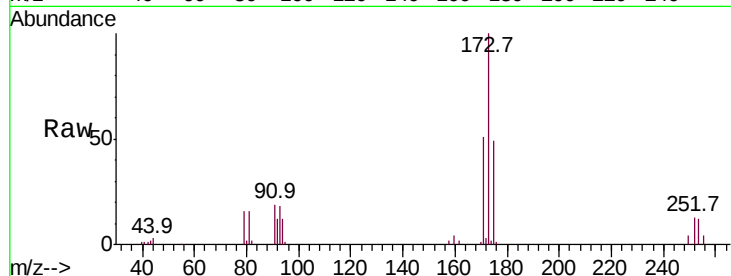
ClientSampleId :

VN0528WBSD01

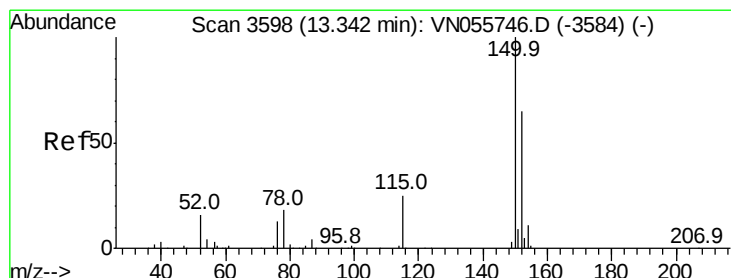
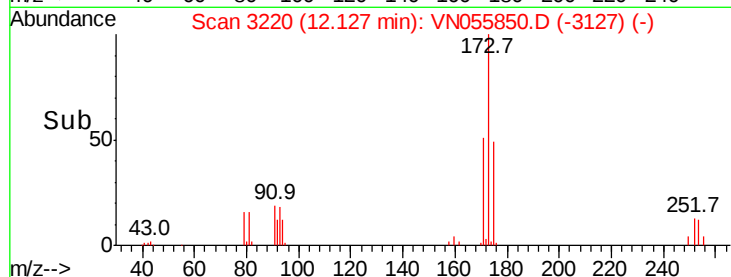
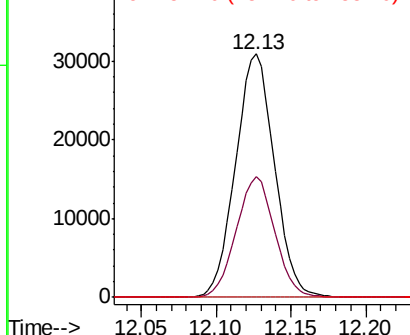
Tot Ion:	173	Resp:	55965
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

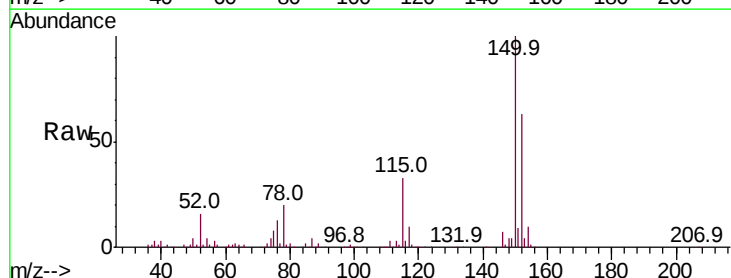
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

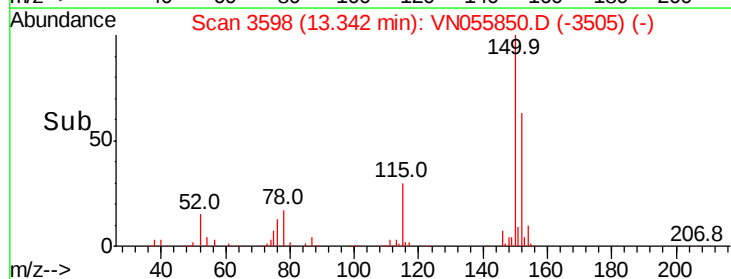
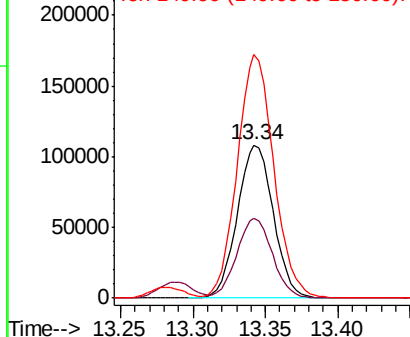
Lab File: VN055850.D

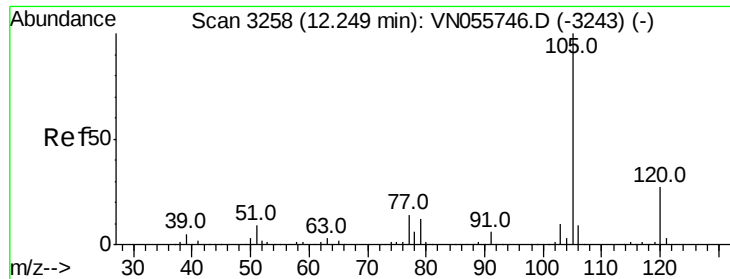
Acq: 28 May 2019 14:06

Tgt Ion:	152	Resp:	185898
Ion Ratio	Lower	Upper	
152	100		
115	52.0	27.0	81.0
150	162.4	0.0	343.2



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





#73

Isopropylbenzene

Concen: 22.766 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:105 Resp: 320263

Ion Ratio Lower Upper

105 100

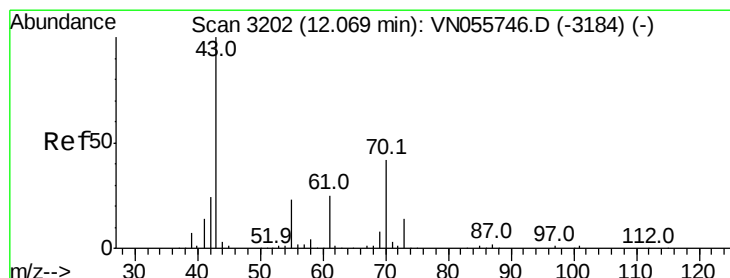
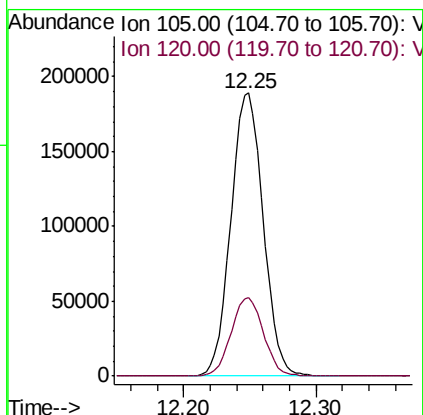
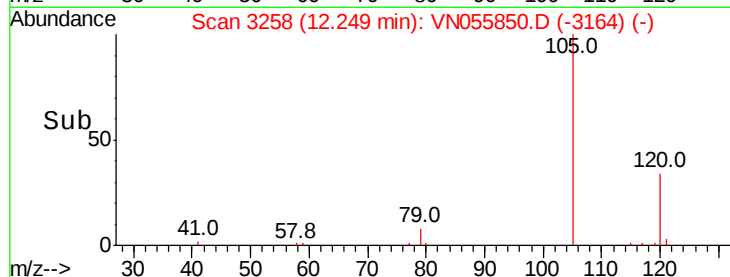
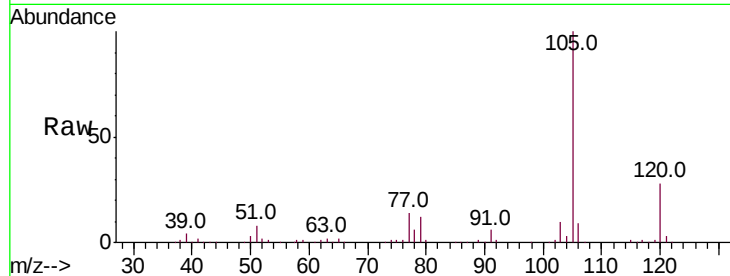
120 27.7 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.539 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion: 43 Resp: 110151

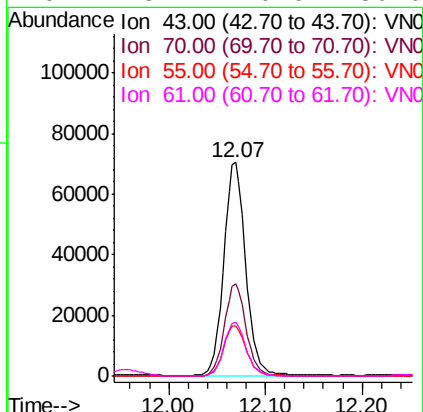
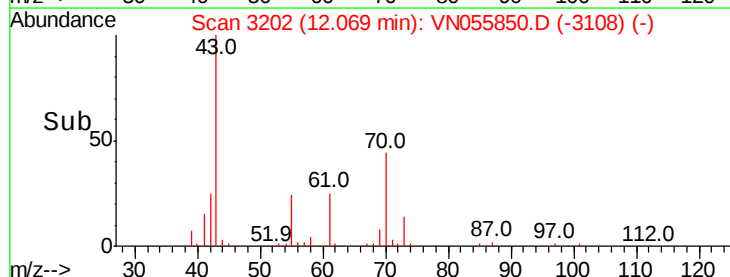
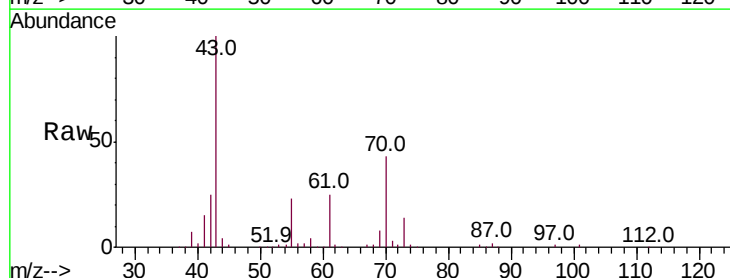
Ion Ratio Lower Upper

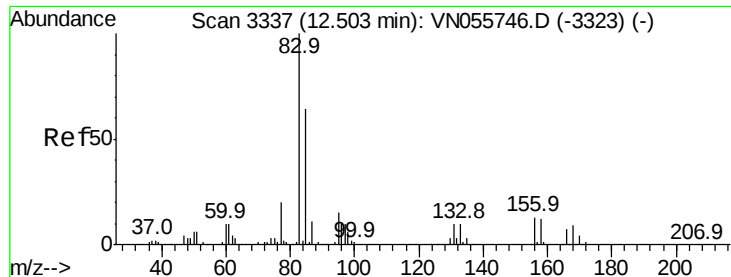
43 100

70 42.9 34.0 51.0

55 24.5 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.349 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

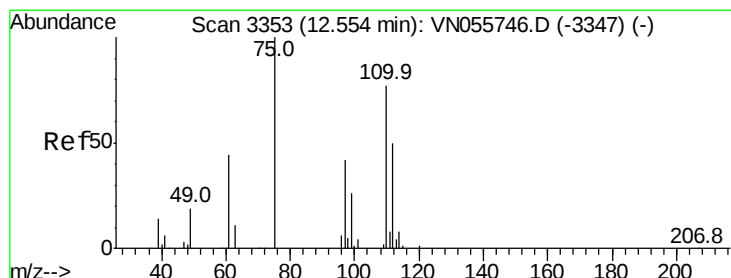
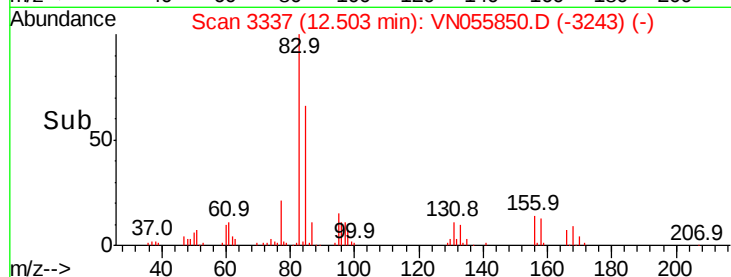
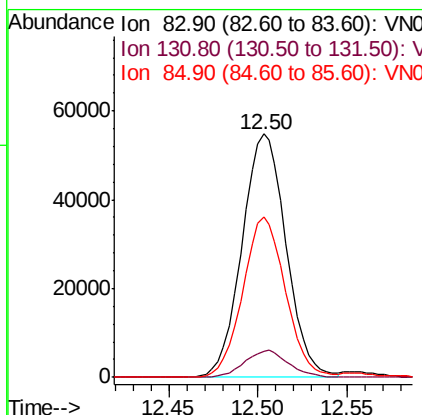
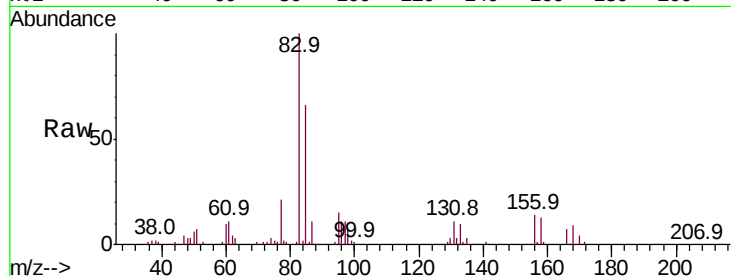
ClientSampled :

VN0528WBSD01

Tot Ion:	83	Resp:	94702
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.295 ug/l m

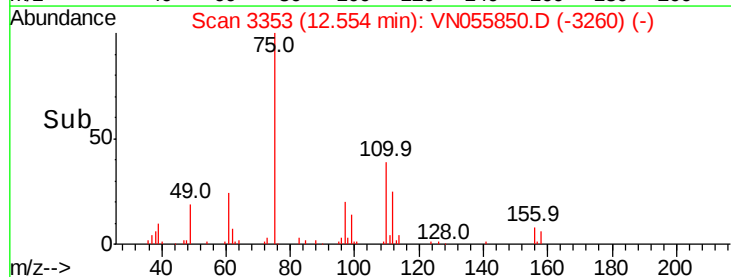
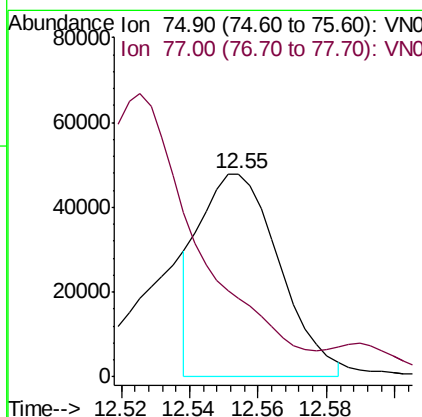
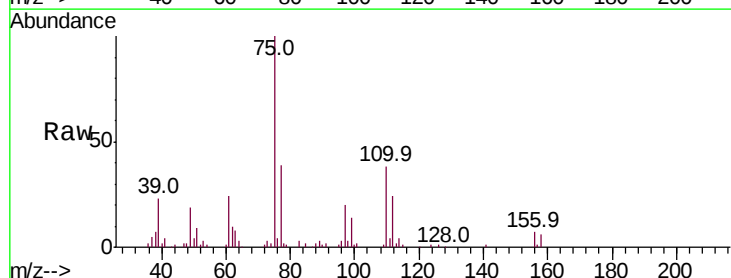
RT: 12.55 min Scan# 3353

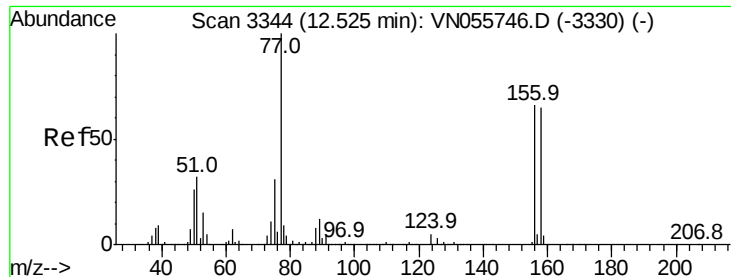
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	75	Resp:	76951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

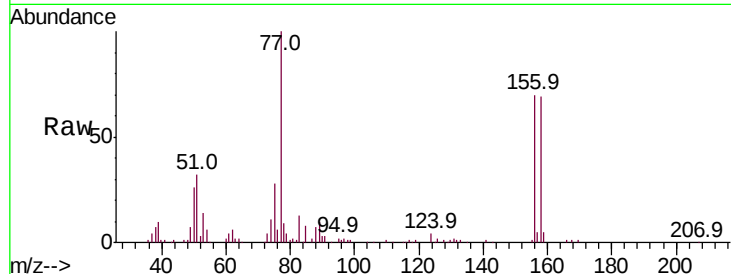
ClientSampleId :

VN0528WBSD01

Tot Ion:	156	Resp:	85611
Ion Ratio	Lower	Upper	
156	100		
77	169.0	90.8	272.5
158	95.0	49.3	147.8

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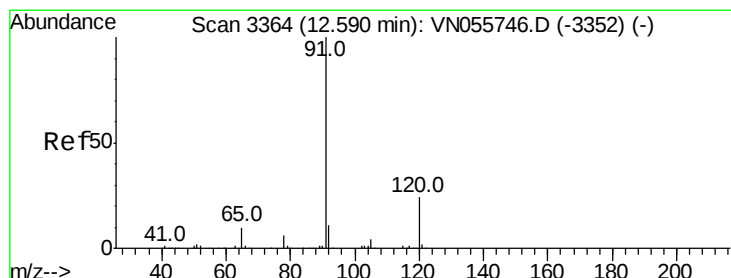
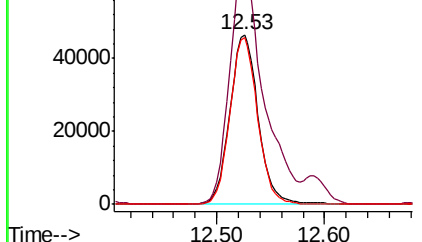
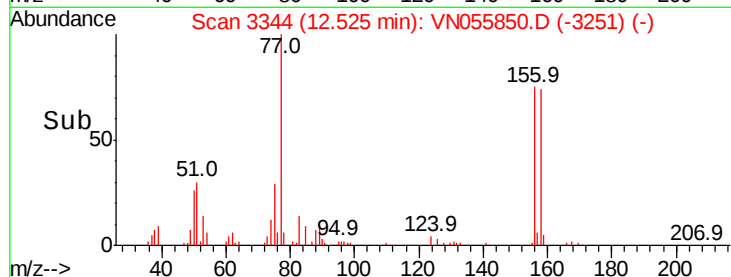
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.196 ug/l

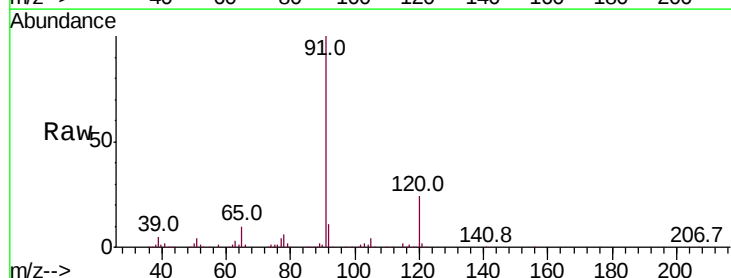
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055850.D

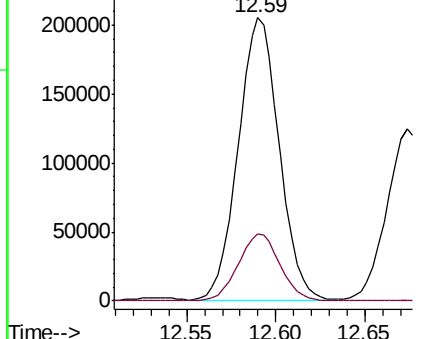
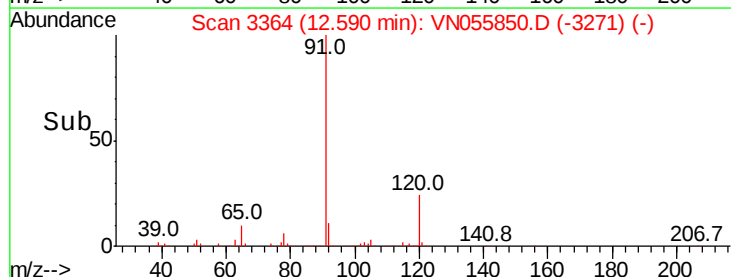
Acq: 28 May 2019 14:06

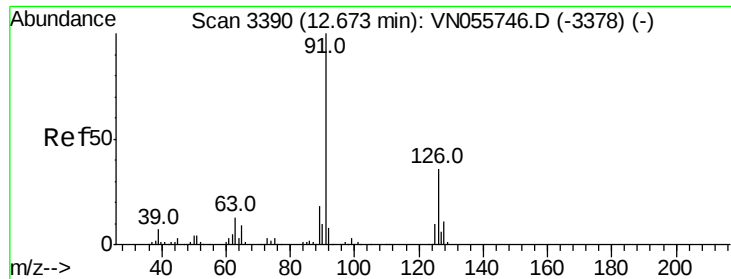
Tgt Ion:	91	Resp:	326312
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.921 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 91 Resp: 203232

Ion Ratio Lower Upper

91 100

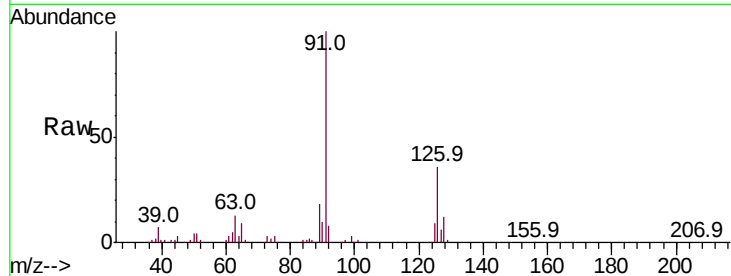
126 36.5 18.1 54.4

Manual Integrations

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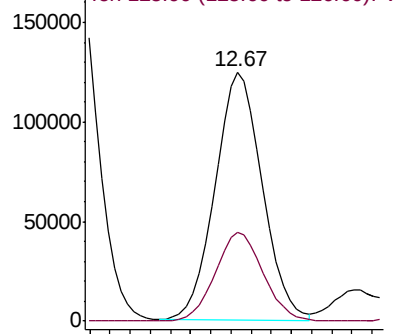
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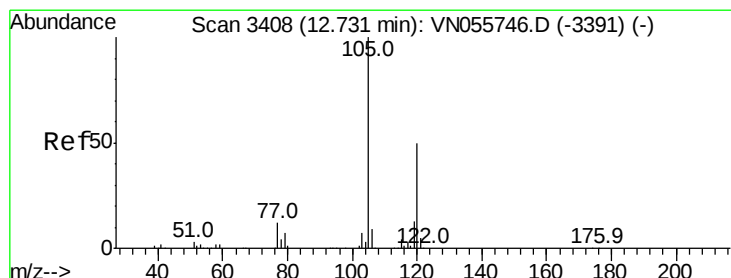
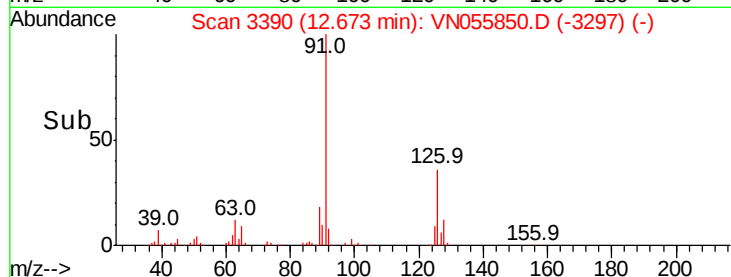


Abundance Ion 91.00 (90.70 to 91.70): VN055850.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055850.D (-3390) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.640 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055850.D

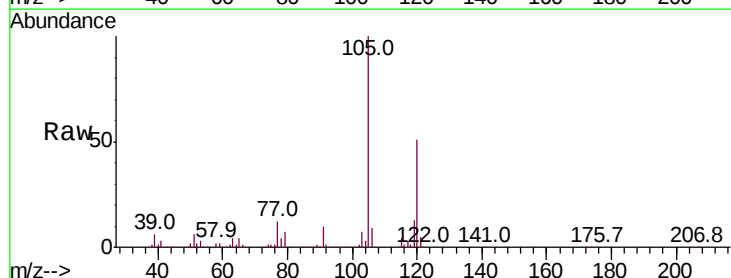
Acq: 28 May 2019 14:06

Tgt Ion:105 Resp: 257026

Ion Ratio Lower Upper

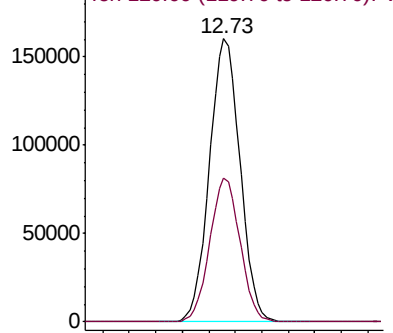
105 100

120 50.1 24.7 74.1

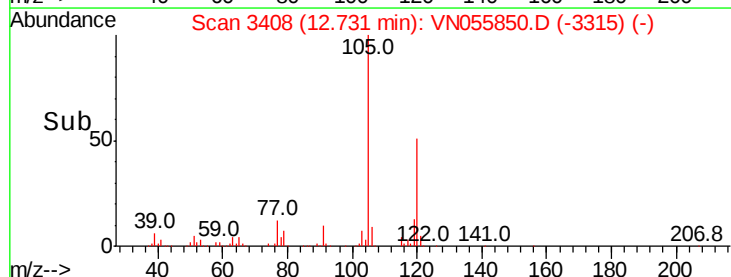


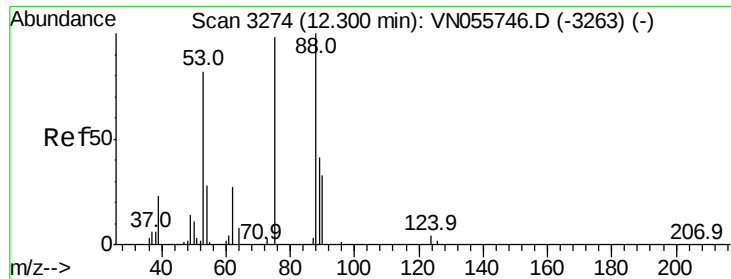
Abundance Ion 105.00 (104.70 to 105.70): VN055850.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055850.D (-3408) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.081 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

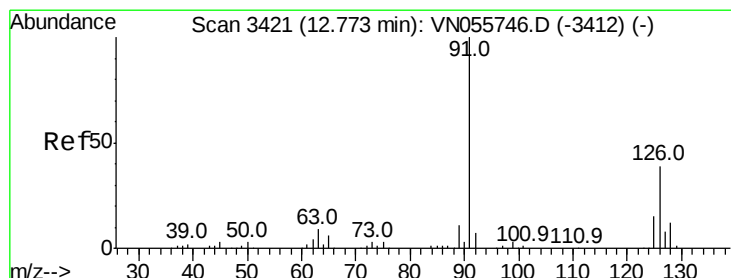
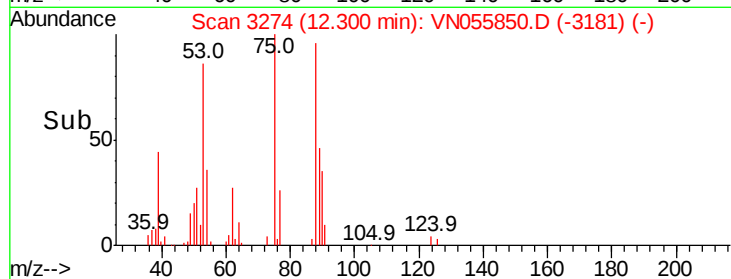
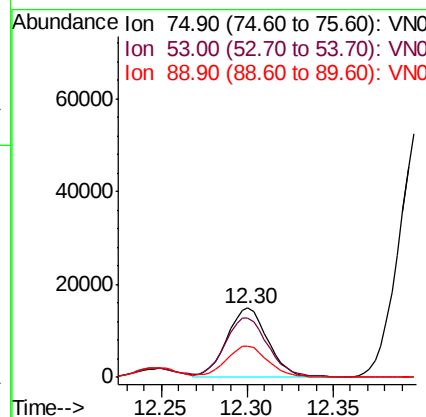
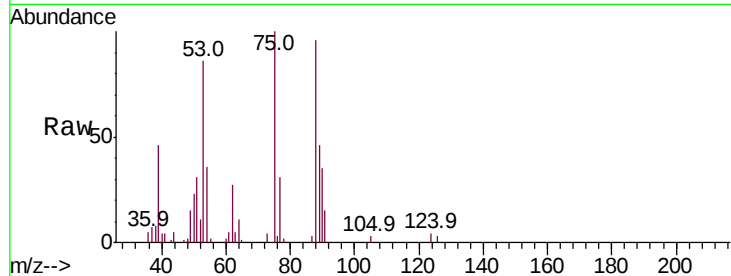
ClientSampleId :

VN0528WBSD01

Tot Ion:	75	Resp:	24982
Ion	Ratio	Lower	Upper
75	100		
53	90.3	68.1	102.1
89	46.0	36.9	55.3

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#82

4-Chlorotoluene

Concen: 19.789 ug/l

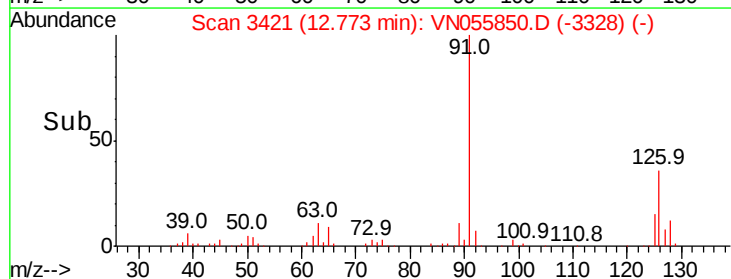
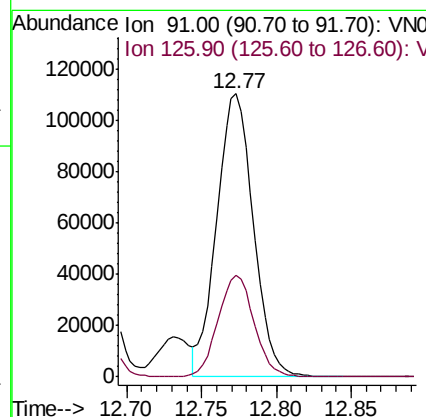
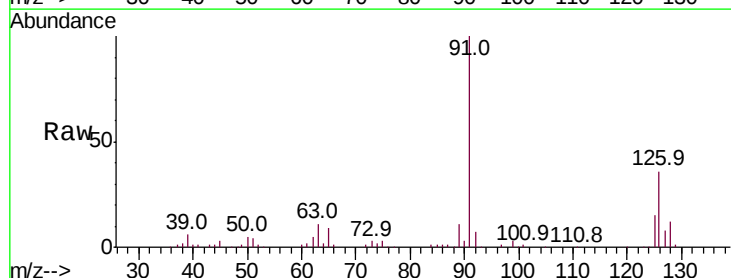
RT: 12.77 min Scan# 3421

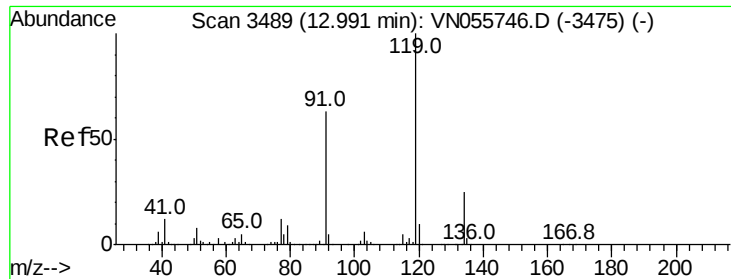
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	91	Resp:	187949
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3





#83

tert-Butylbenzene

Concen: 22.433 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

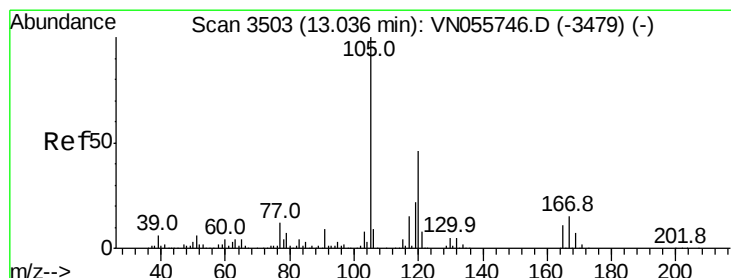
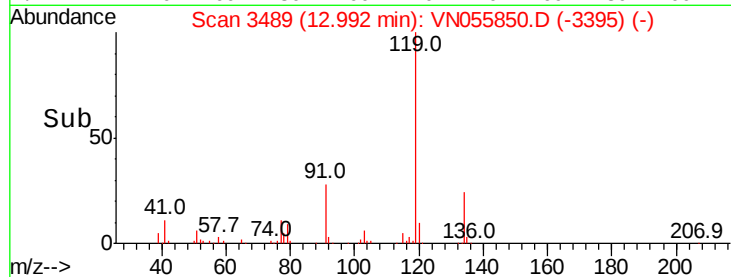
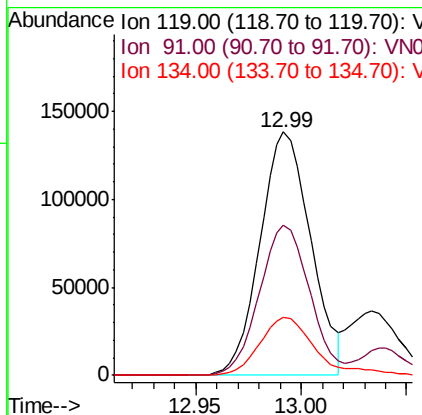
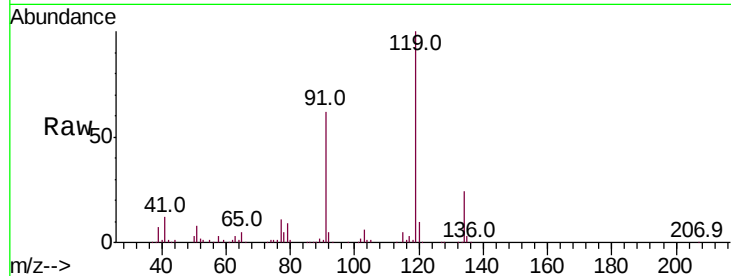
ClientSampleId :

VN0528WBSD01

Tot Ion:	119	Resp:	231892
Ion Ratio	Lower	Upper	
119	100		
91	61.1	30.9	92.8
134	26.1	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 21.422 ug/l

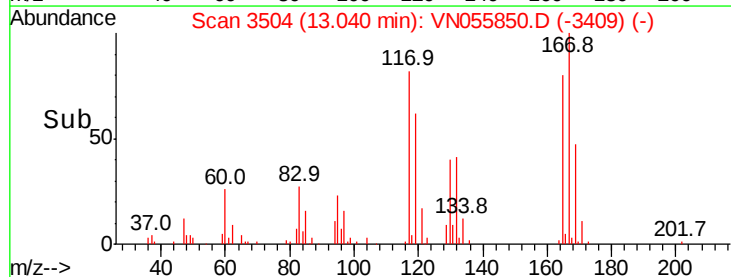
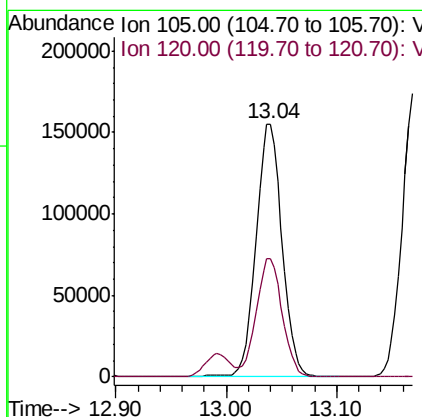
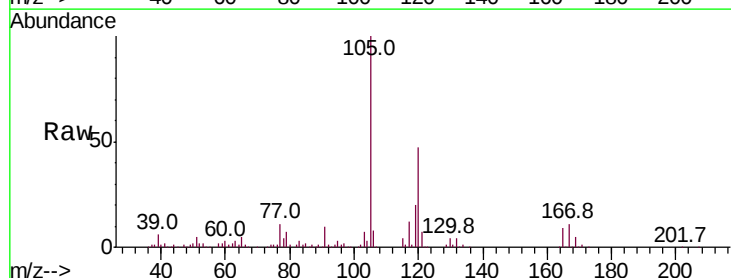
RT: 13.04 min Scan# 3504

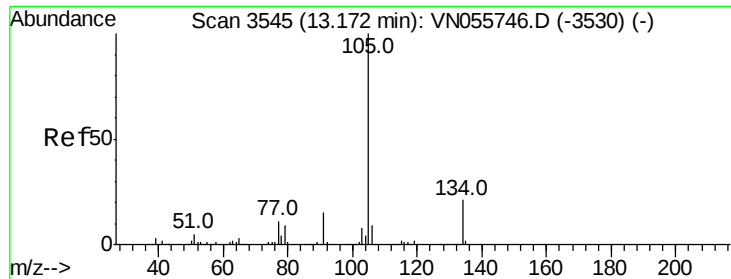
Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion:	105	Resp:	252926
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.499 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:105 Resp: 285888

Ion Ratio Lower Upper

105 100

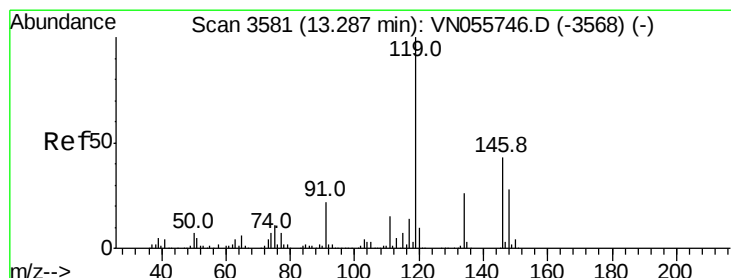
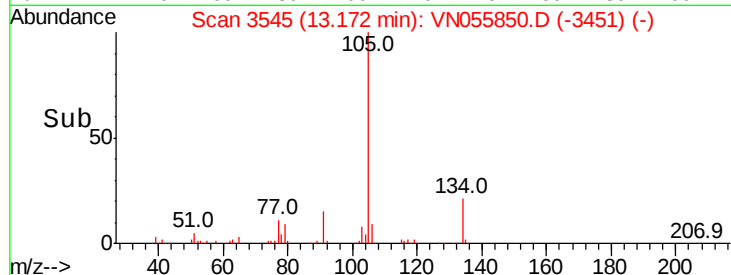
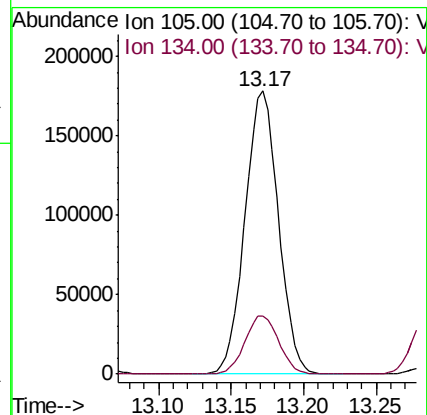
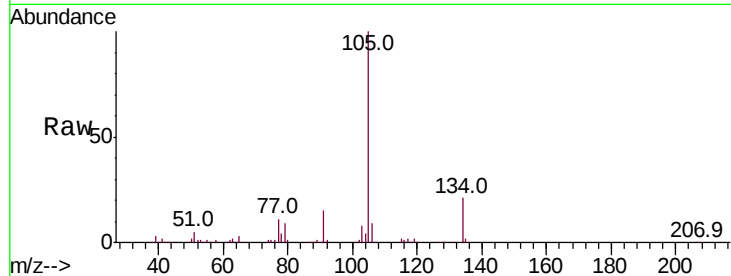
134 20.9 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.122 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

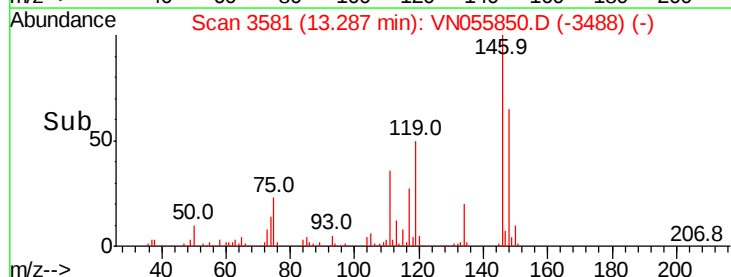
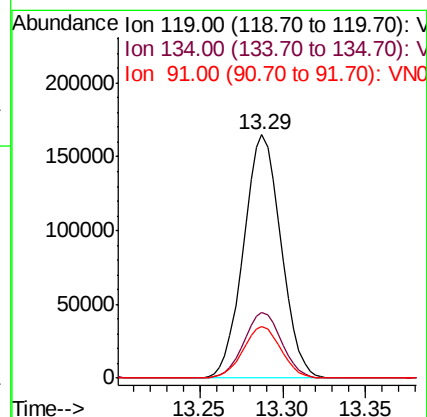
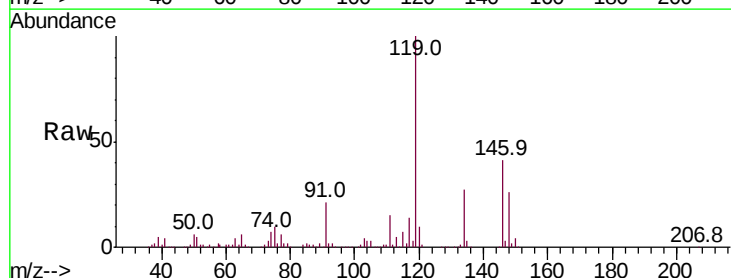
Tgt Ion:119 Resp: 259772

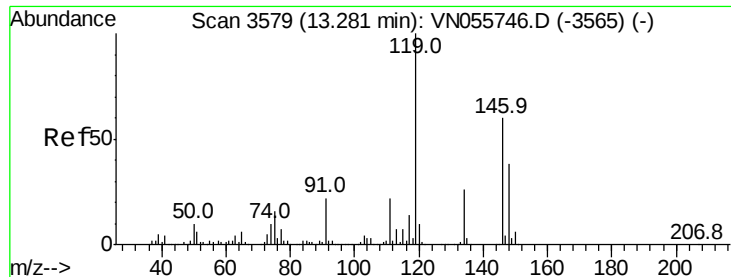
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 21.3 10.9 32.9





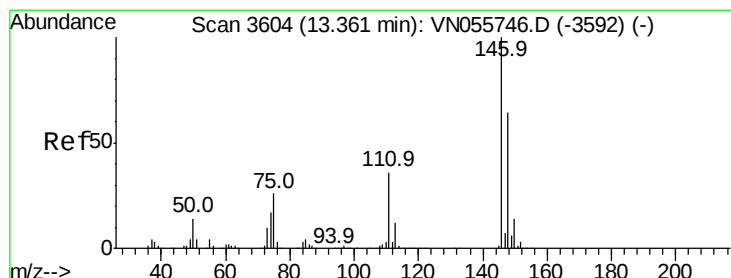
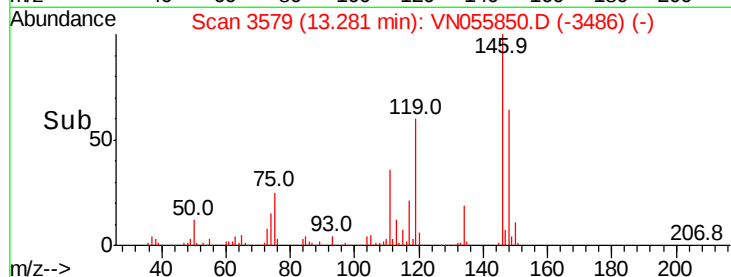
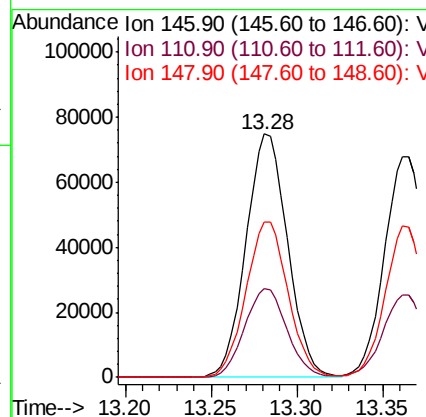
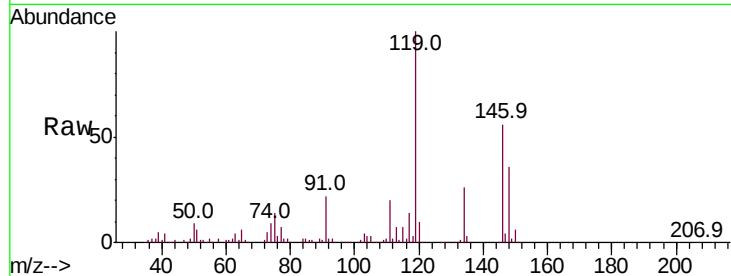
#87
 1,3-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.5	32.0	96.2

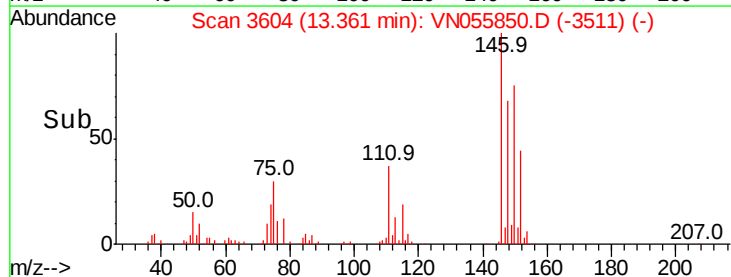
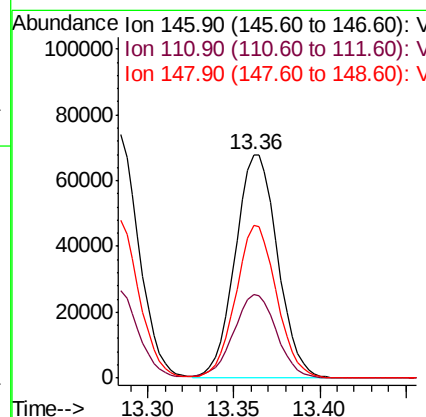
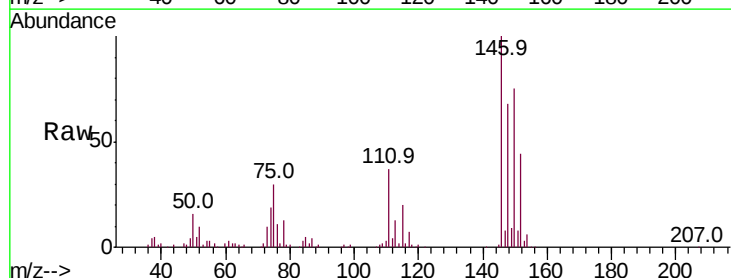
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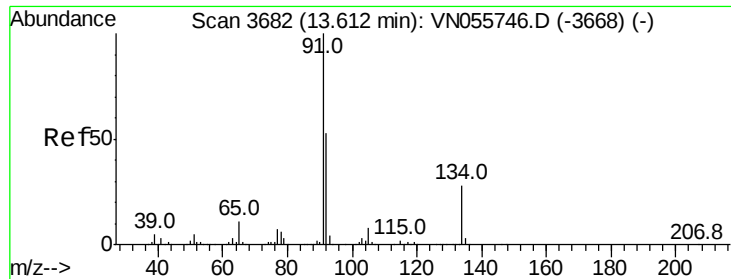
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#88
 1,4-Dichlorobenzene
 Concen: 19.481 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.4
148	65.8	32.1	96.5





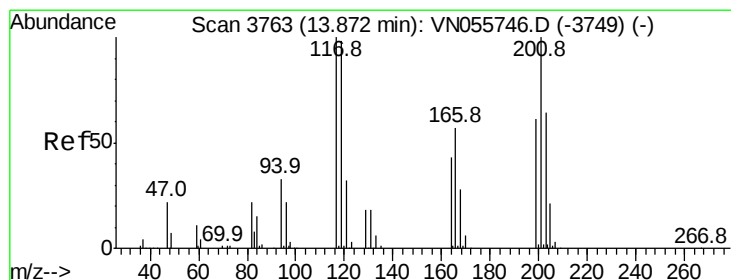
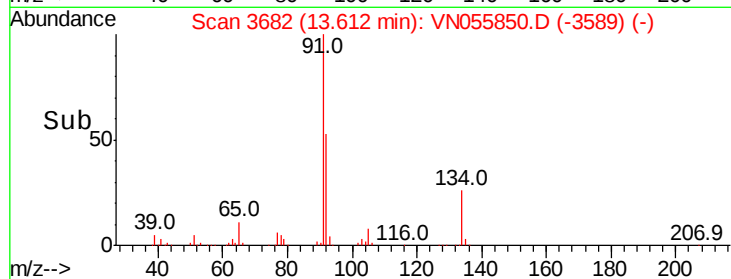
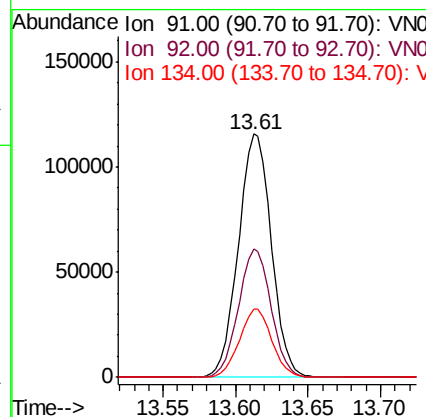
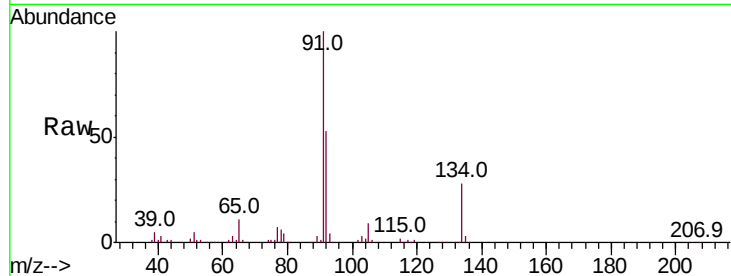
#89
n-Butylbenzene
Concen: 18.457 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.4	79.0	
134	27.5	13.9	41.7	

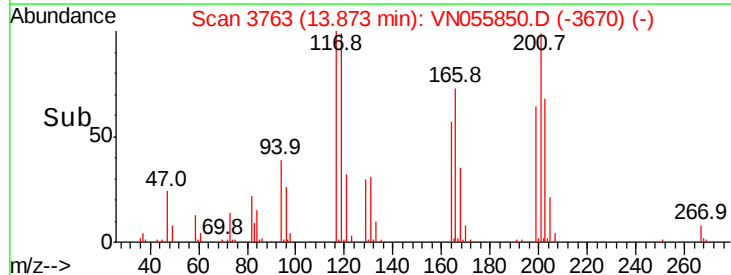
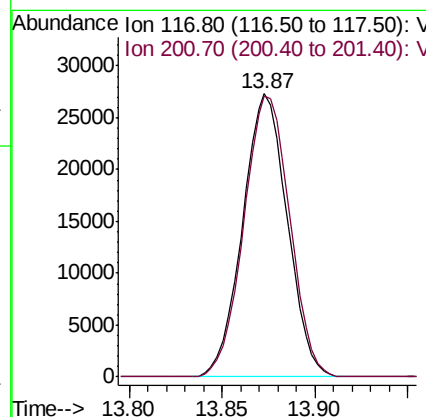
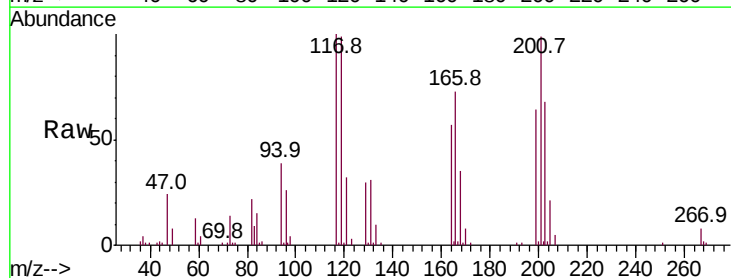
Manual Integrations
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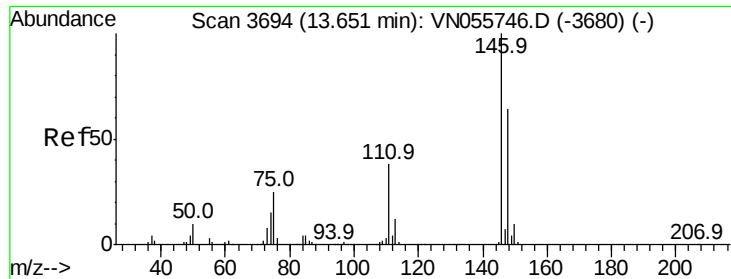
MMDadoda
5/29/2019 11:09:57 AM



#90
Hexachloroethane
Concen: 18.556 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	102.1	50.0	150.0	





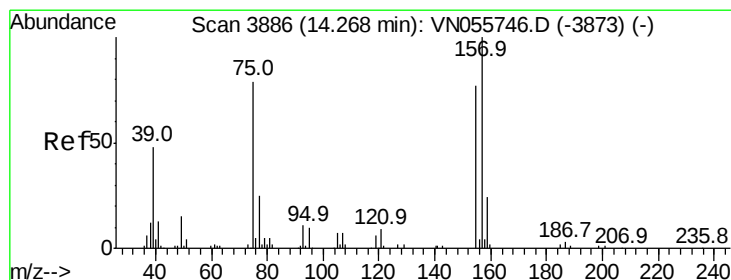
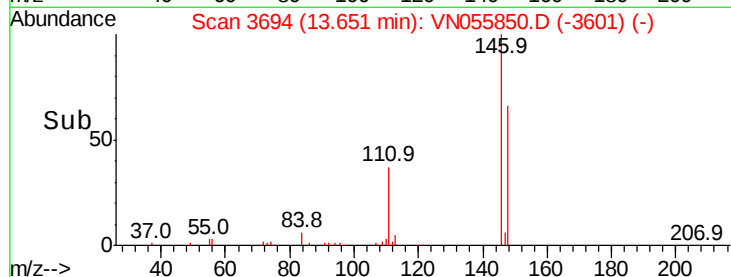
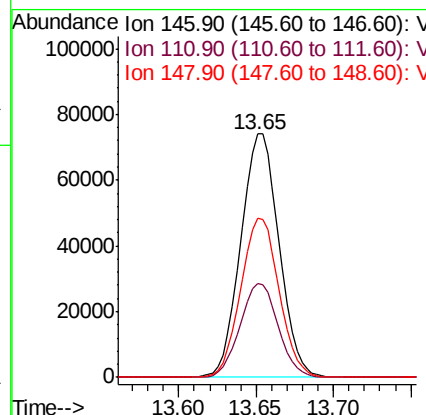
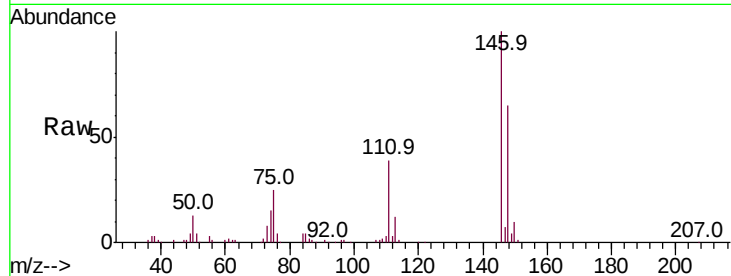
#91
 1,2-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127127		
111	38.4	19.1	57.5	
148	65.5	31.9	95.9	

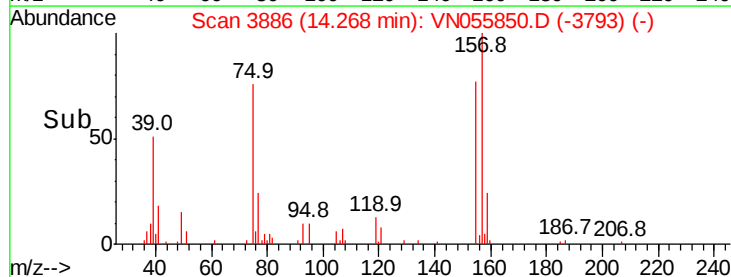
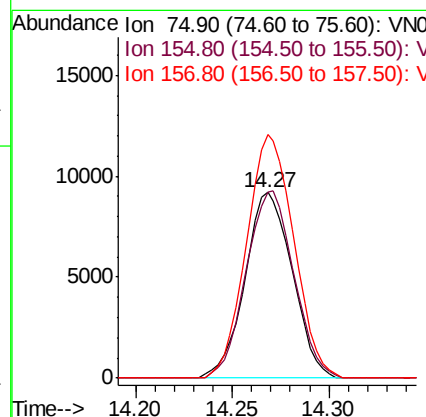
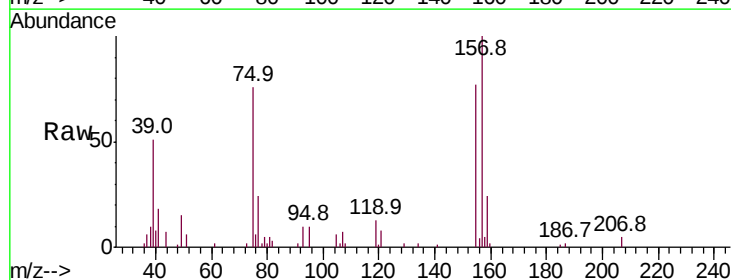
Manual Integrations
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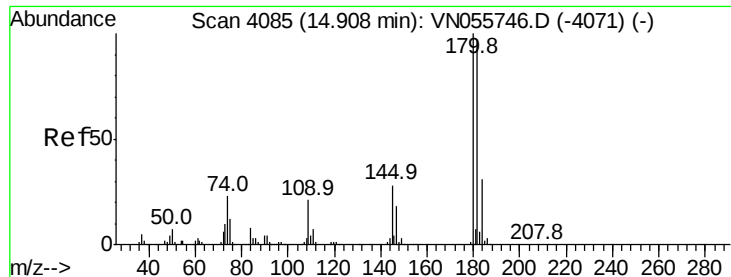
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.019 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15666		
155	101.9	50.0	150.1	
157	131.4	64.8	194.3	





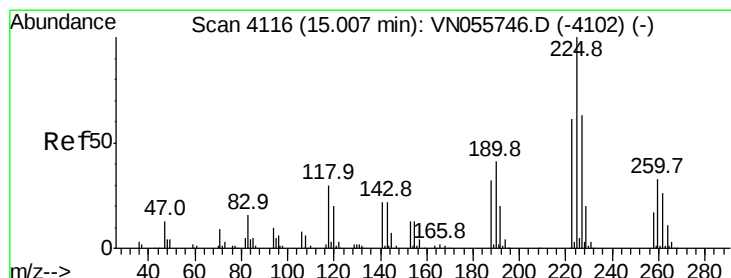
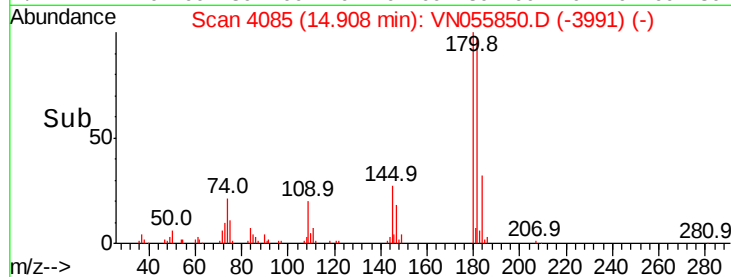
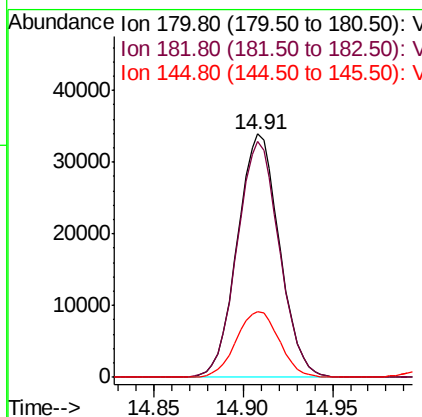
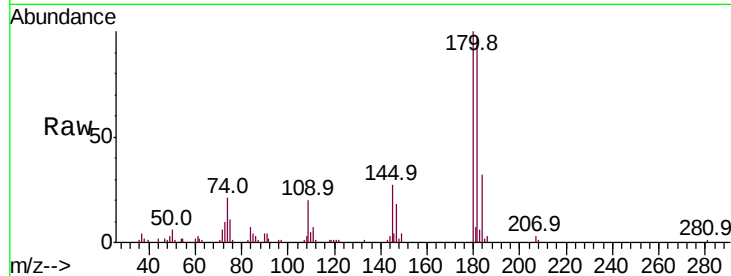
#93
 1,2,4-Trichlorobenzene
 Concen: 18.002 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	48.3	144.9	
145	27.8	14.0	41.9	

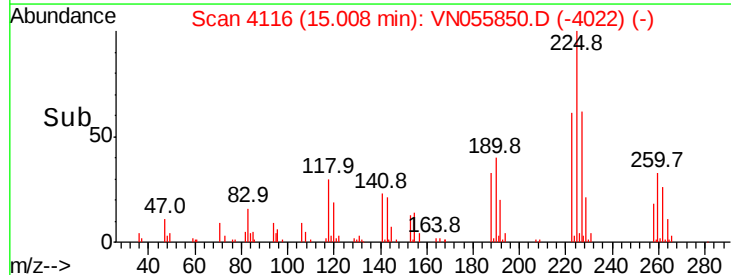
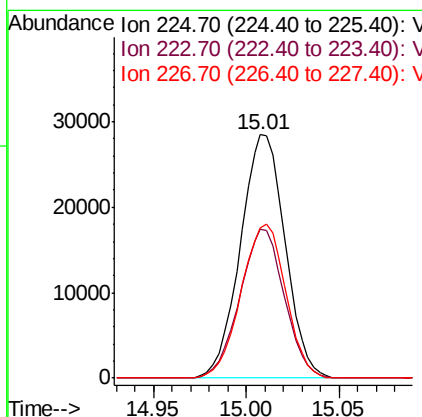
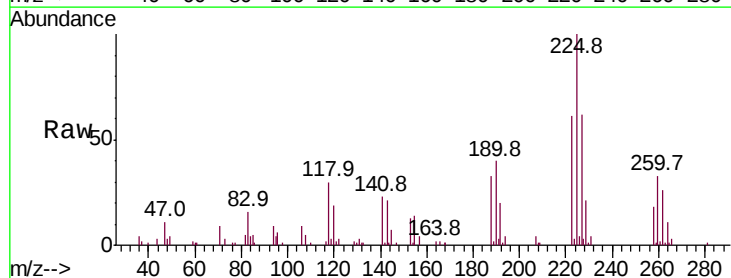
Manual Integrations
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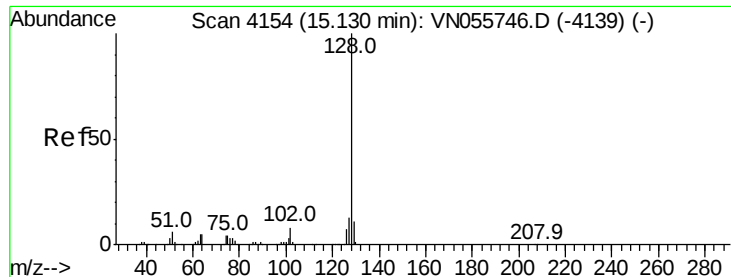
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#94
 Hexachlorobutadiene
 Concen: 20.548 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	30.9	92.7	
227	63.1	31.6	94.7	





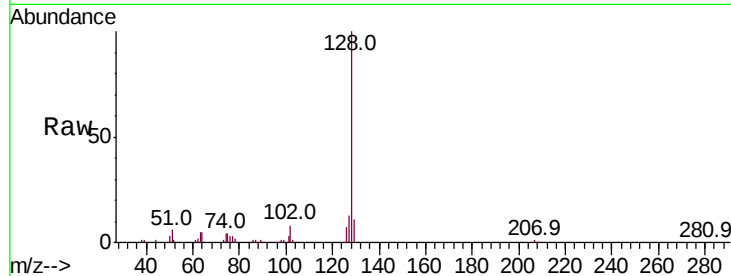
#95
Naphthalene
Concen: 21.238 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

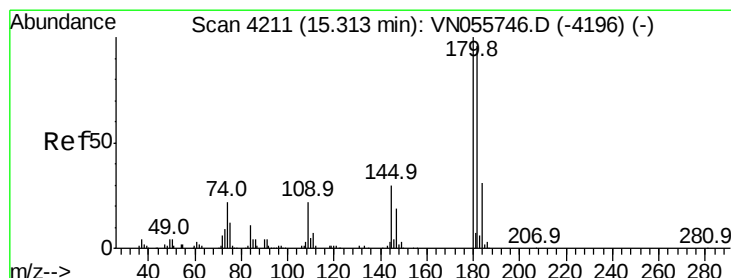
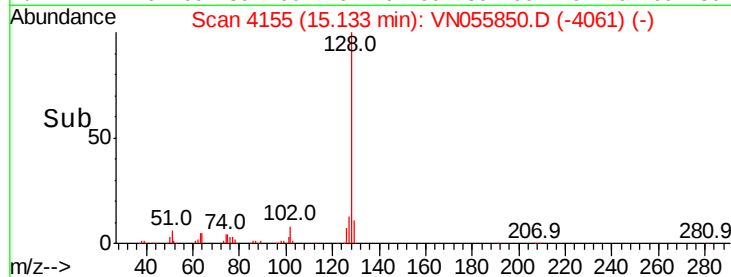
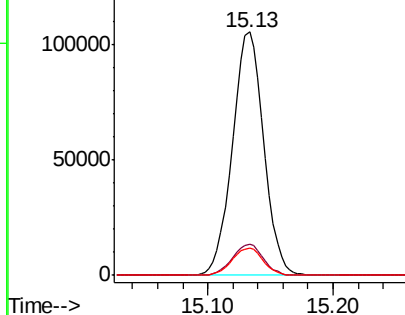
Manual Integrations
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Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.1	8.7	13.1

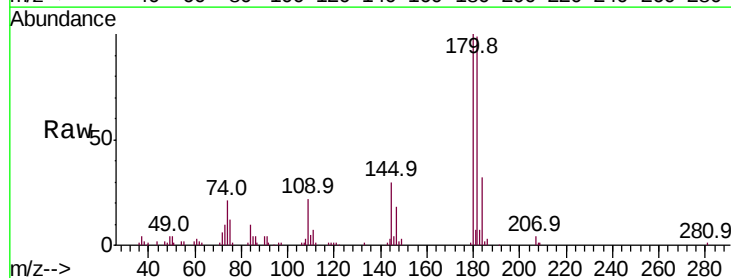


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.237 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	29.1	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

