

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085627.D
 Acq On : 03 Feb 2025 17:13
 Operator : JC\MD
 Sample : PB166424ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

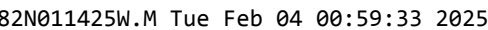
Quant Time: Feb 04 00:59:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

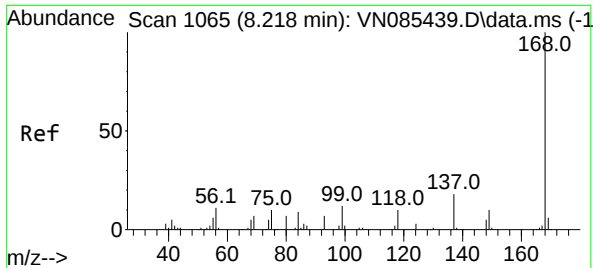
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	164522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143225	53.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.860%			
35) Dibromofluoromethane	8.165	113	119221	49.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.680%			
50) Toluene-d8	10.565	98	451319	52.567	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.140%			
62) 4-Bromofluorobenzene	12.847	95	125023	42.569	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.140%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	403	0.275	ug/l	94
11) Tert butyl alcohol	5.495	59	125	0.411	ug/l #	71
16) Acetone	4.424	43	34628	40.355	ug/l	97
18) Methyl Acetate	5.024	43	1590	0.609	ug/l #	72
20) Methylene Chloride	5.277	84	3732	1.757	ug/l #	83
25) 2-Butanone	7.477	43	3747	2.967	ug/l #	79
30) Chloroform	7.977	83	1804	0.450	ug/l	88
31) Cyclohexane	8.230	56	4176	1.239	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	14752	4.350	ug/l #	50
37) Ethyl Acetate	7.565	43	3608	1.054	ug/l #	76
38) Carbon Tetrachloride	8.224	117	18109	4.664	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	907	0.236	ug/l #	76
43) Isopropyl Acetate	8.688	43	172898	31.521	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1818	0.698	ug/l #	43
48) Methyl methacrylate	9.741	41	125306	50.763	ug/l #	47
49) 1,4-Dioxane	9.747	88	71	1.708	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10186	3.200	ug/l #	75
53) t-1,3-Dichloropropene	10.730	75	833	0.230	ug/l #	85
54) cis-1,3-Dichloropropene	10.353	75	45894	11.882	ug/l #	66
56) Ethyl methacrylate	10.982	69	2268	2.485	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6643	1.635	ug/l #	43
59) 2-Hexanone	11.200	43	73571	32.850	ug/l #	62
71) Bromoform	12.841	173	1235	0.654	ug/l #	1
74) N-amyl acetate	12.488	43	1384	0.399	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	67419	29.033	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67419	78.551	ug/l #	3

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

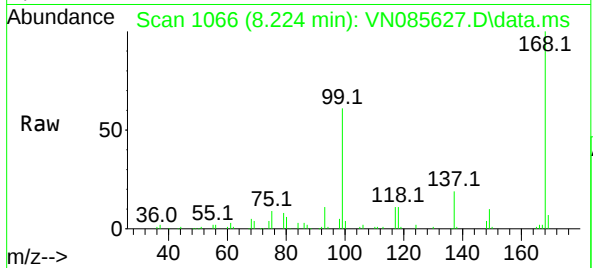
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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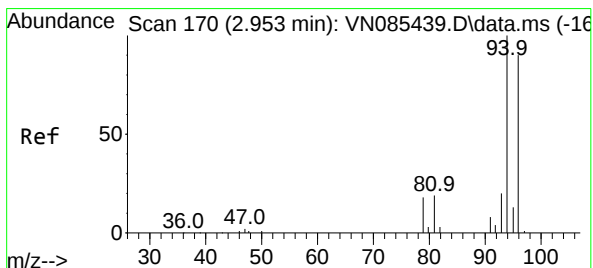
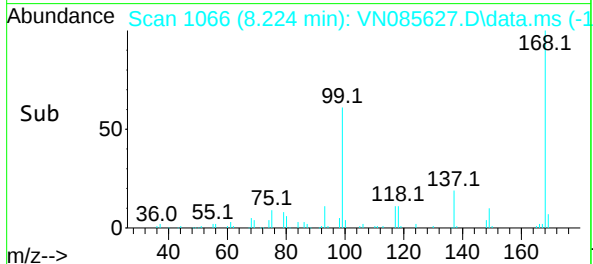
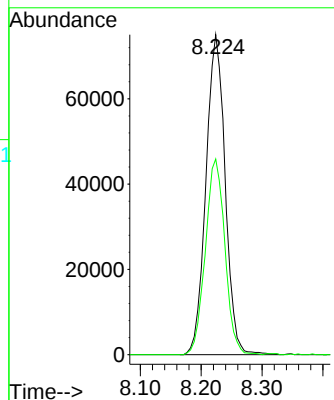


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

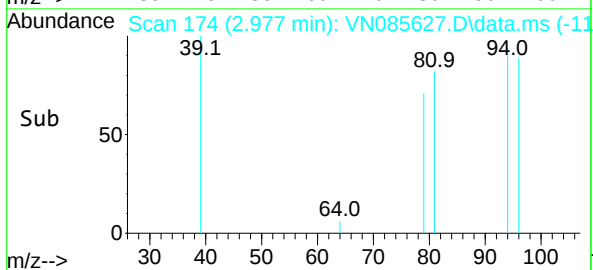
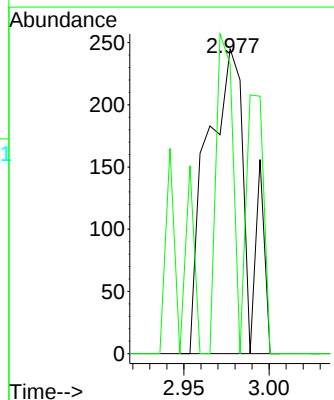
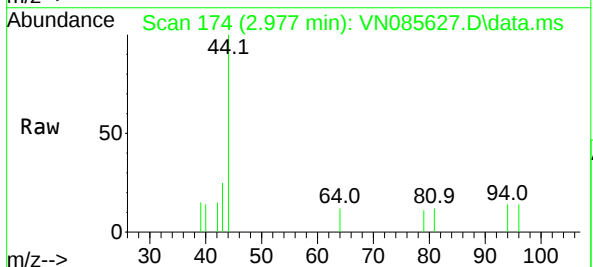


Tgt Ion:168 Resp: 164522
Ion Ratio Lower Upper
168 100
99 61.2 53.6 80.4



#5
Bromomethane
Concen: 0.275 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 95.1 71.8 107.6





#11

Tert butyl alcohol

Concen: 0.411 ug/l

RT: 5.495 min Scan# 60

Delta R.T. -0.018 min

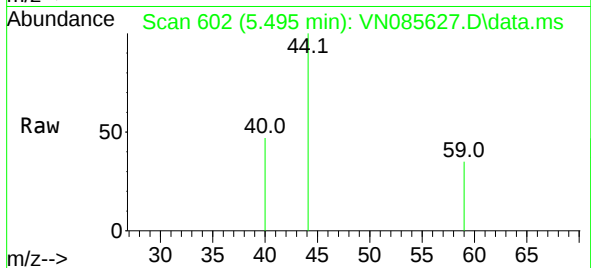
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Acq: 03 Feb 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

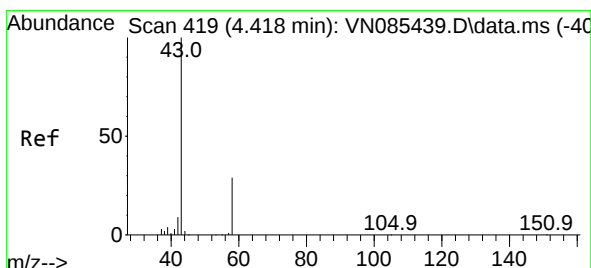
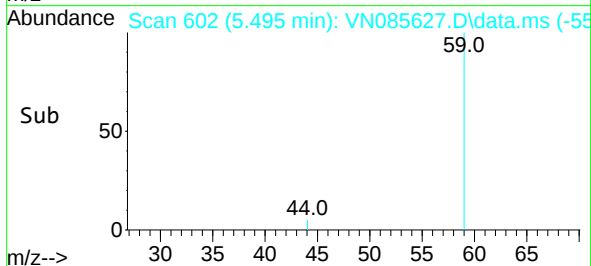
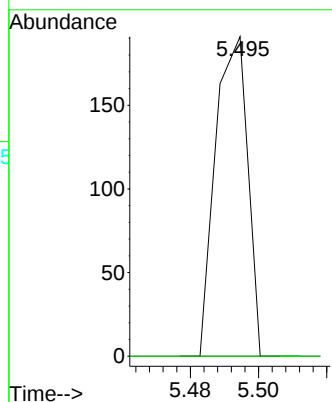


Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 40.355 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085627.D

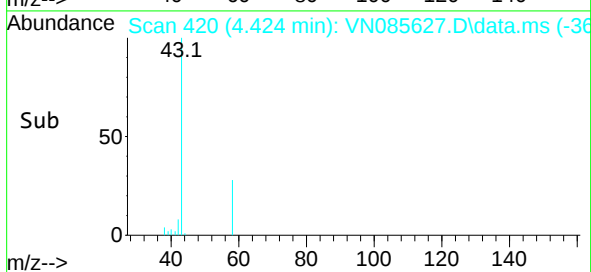
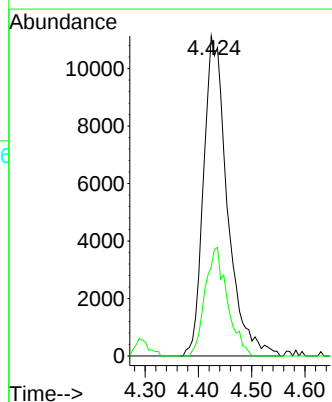
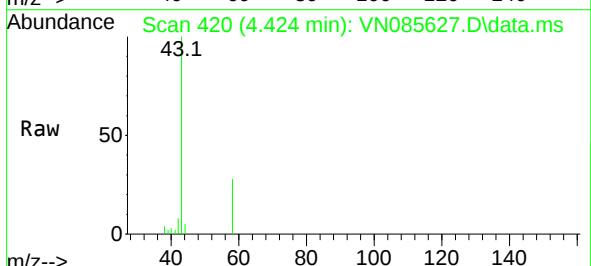
Acq: 03 Feb 2025 17:13

Tgt Ion: 43 Resp: 34628

Ion Ratio Lower Upper

43 100

58 27.9 23.8 35.6

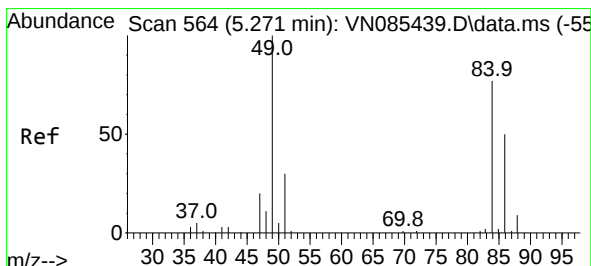
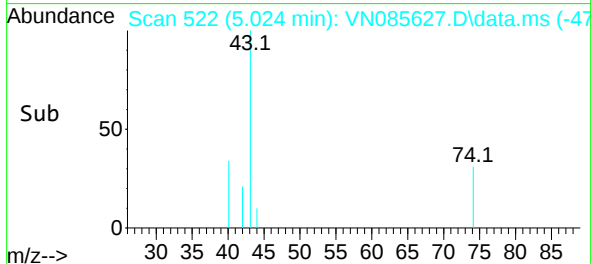
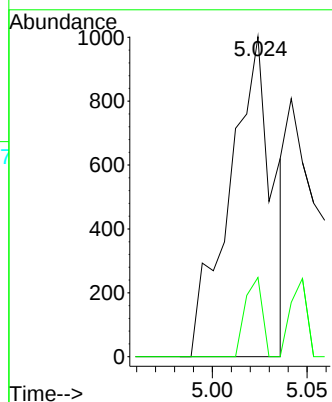
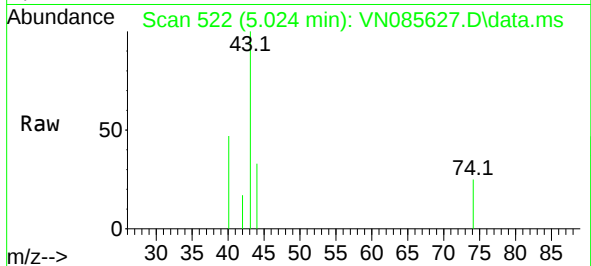




#18
Methyl Acetate
Concen: 0.609 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

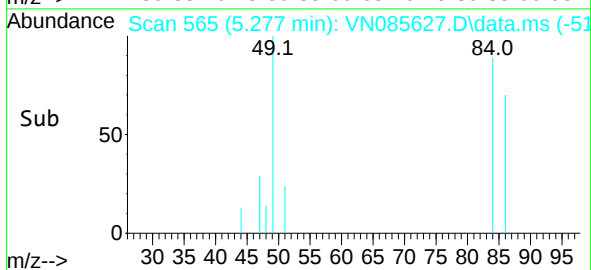
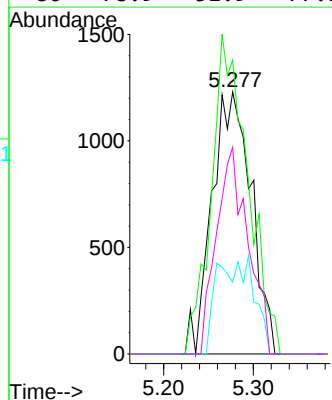
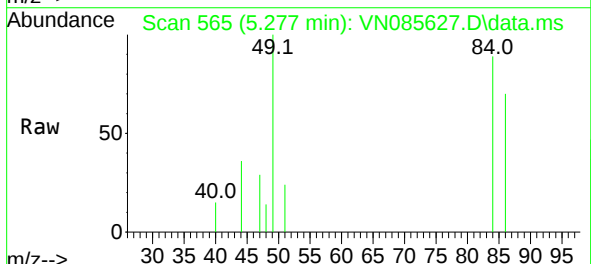
Instrument :
MSVOA_N
ClientSampleId :

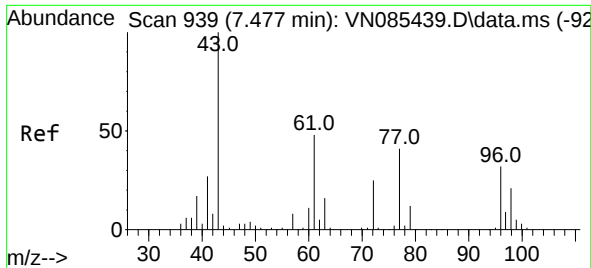
Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
74 9.7 18.6 28.0#



#20
Methylene Chloride
Concen: 1.757 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 84 Resp: 3732
Ion Ratio Lower Upper
84 100
49 112.2 104.1 156.1
51 27.4 31.0 46.4#
86 78.9 51.9 77.9#

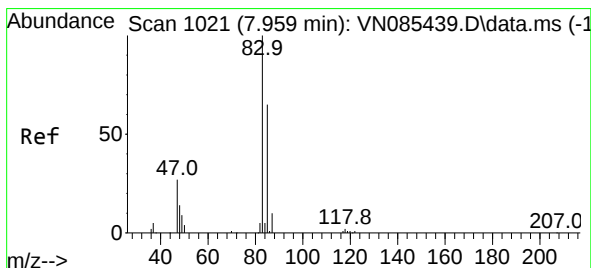
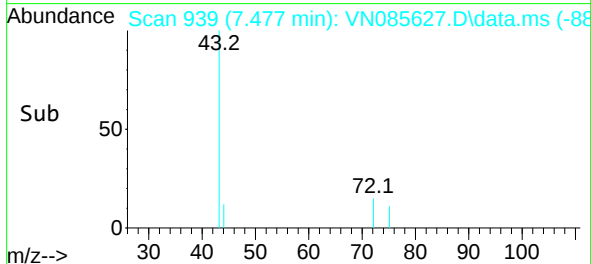
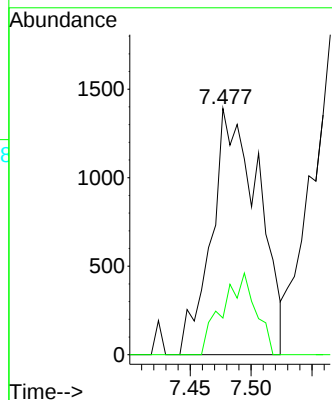
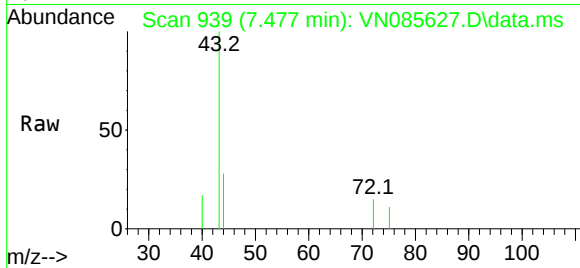




#25
2-Butanone
Concen: 2.967 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

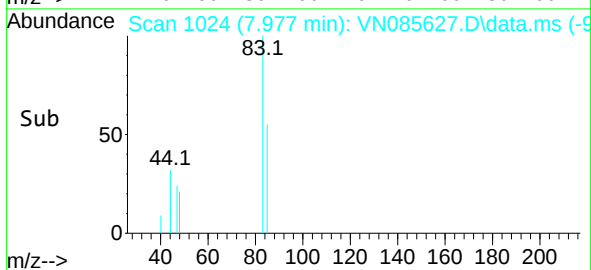
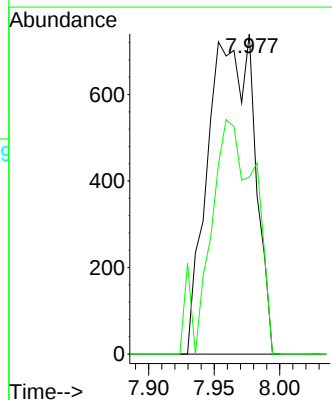
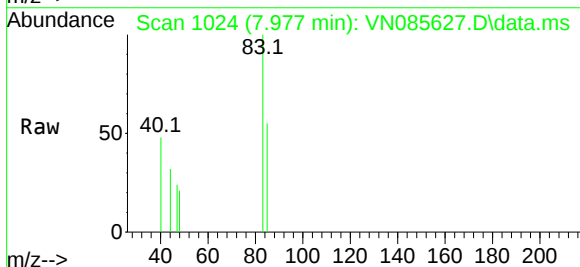
Instrument :
MSVOA_N
ClientSampleId :

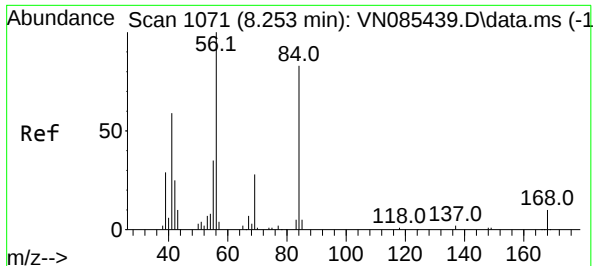
Tgt Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
72 14.9 20.2 30.4#



#30
Chloroform
Concen: 0.450 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.018 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 83 Resp: 1804
Ion Ratio Lower Upper
83 100
85 55.3 51.8 77.6





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.230 min Scan# 1071

Delta R.T. -0.023 min

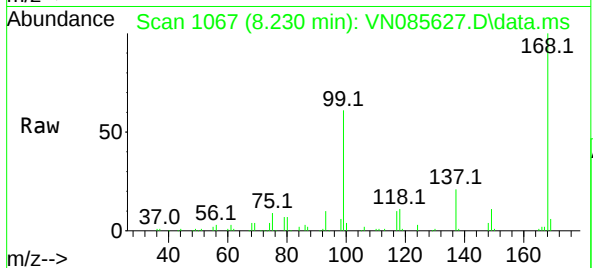
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Acq: 03 Feb 2025 17:13

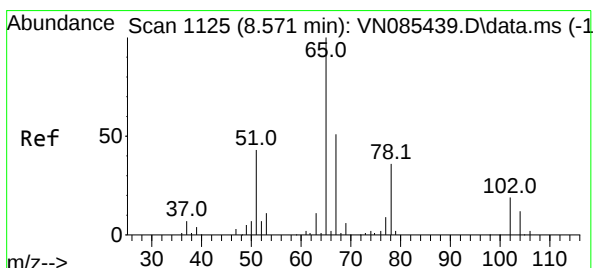
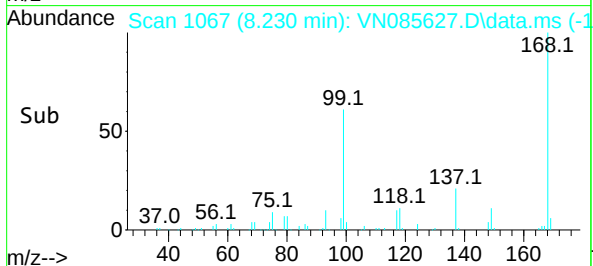
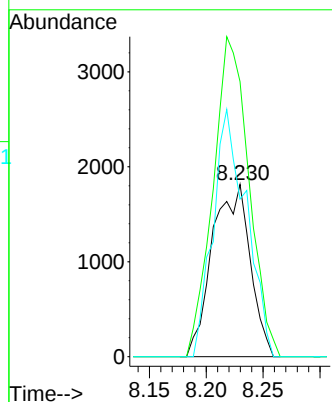
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4176
Ion Ratio	Lower Upper
56	100
69	159.7 22.2 33.4#
84	91.5 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 53.931 ug/l

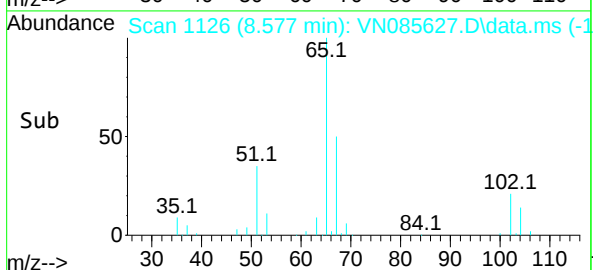
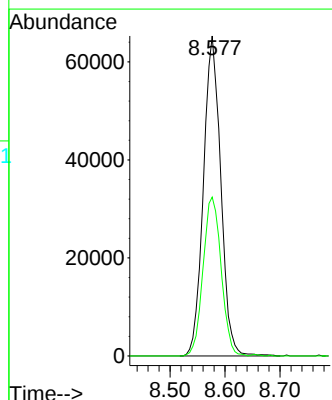
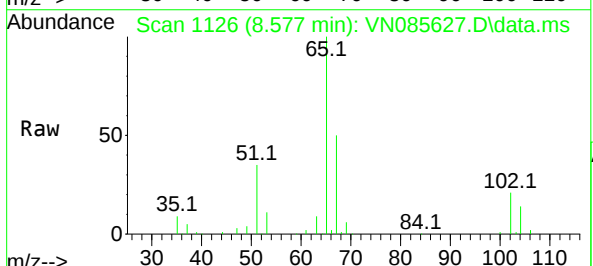
RT: 8.577 min Scan# 1126

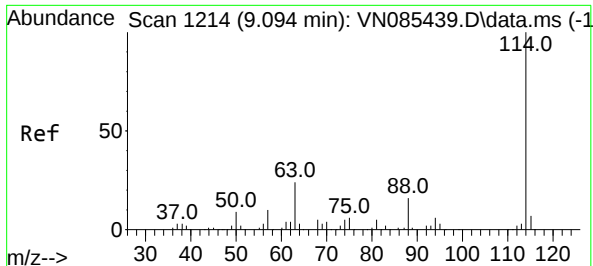
Delta R.T. 0.006 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

Tgt Ion: 65	Resp: 143225
Ion Ratio	Lower Upper
65	100
67	51.7 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

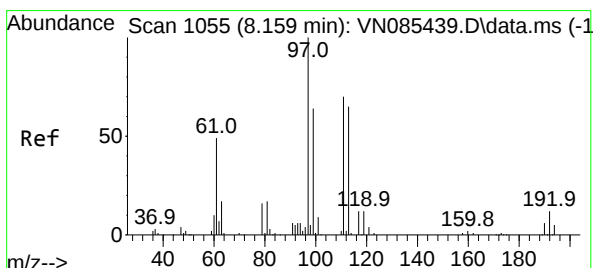
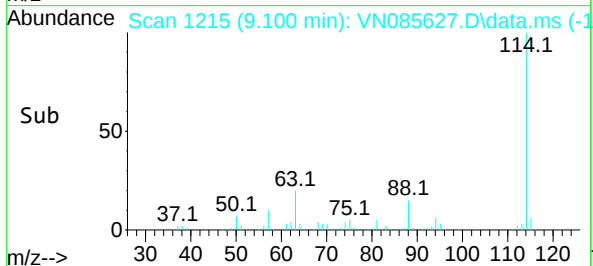
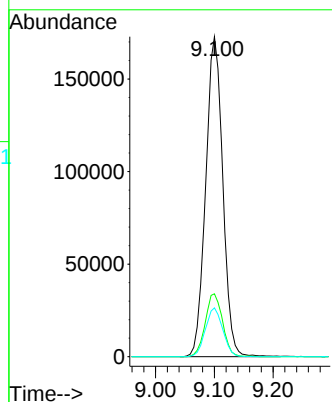
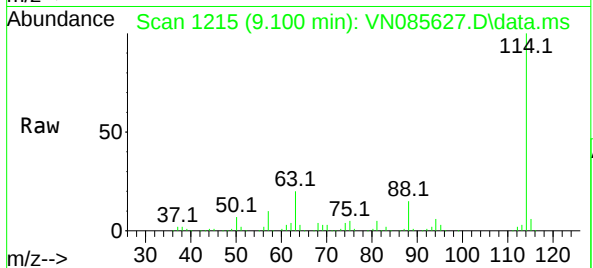
Tgt Ion:114 Resp: 348316

Ion Ratio Lower Upper

114 100

63 19.6 0.0 47.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.337 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

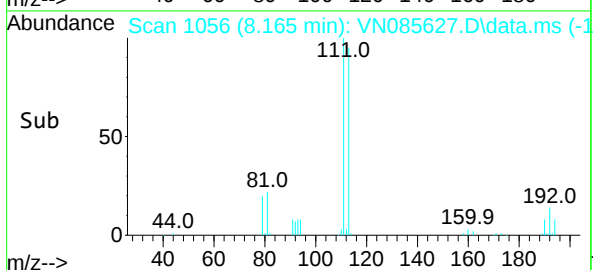
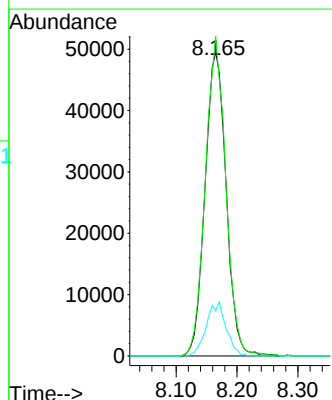
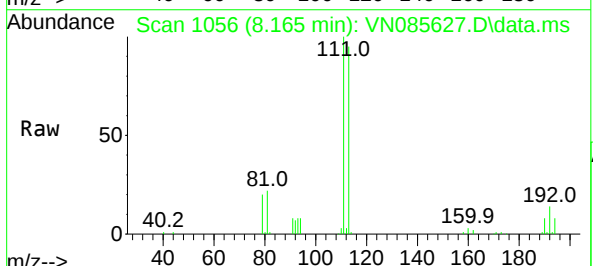
Tgt Ion:113 Resp: 119221

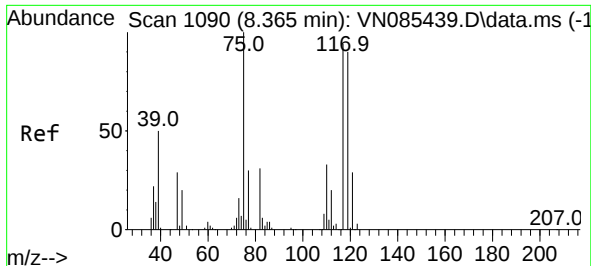
Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.350 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

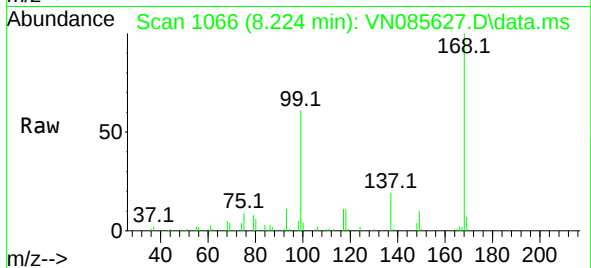
Lab File: VN085627.D

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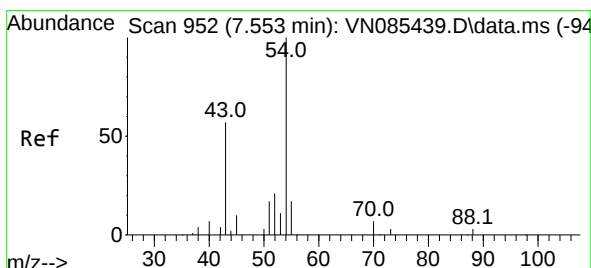
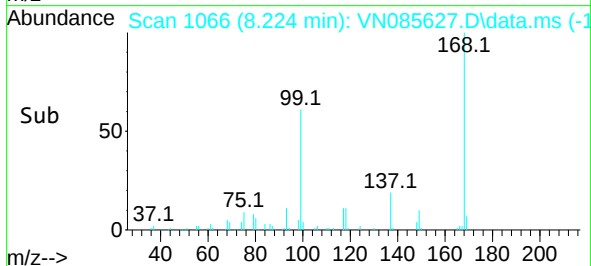
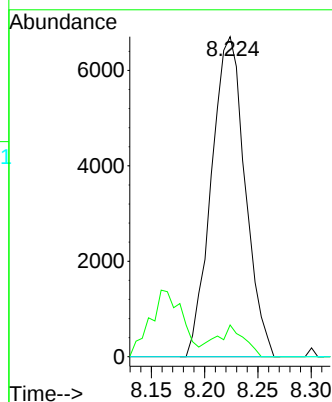
Tgt Ion: 75 Resp: 14752

Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.054 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

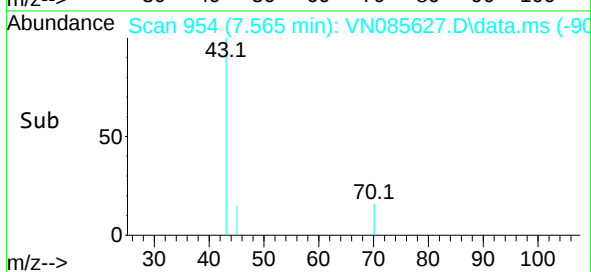
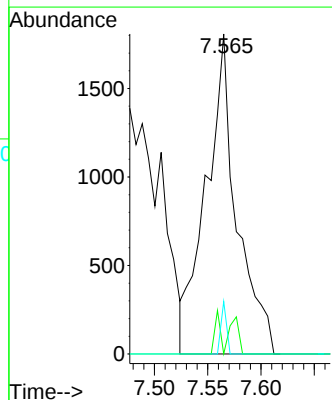
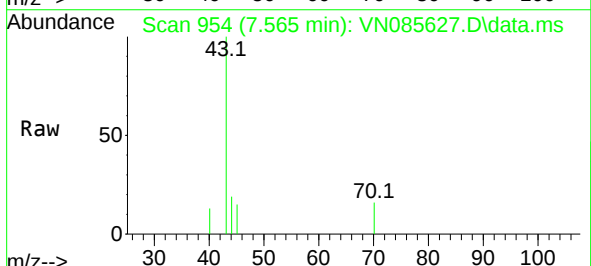
Tgt Ion: 43 Resp: 3608

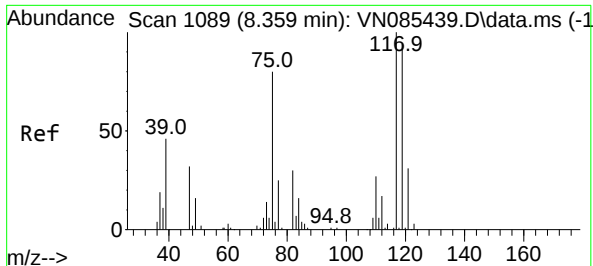
Ion Ratio Lower Upper

43 100

61 2.4 10.9 16.3#

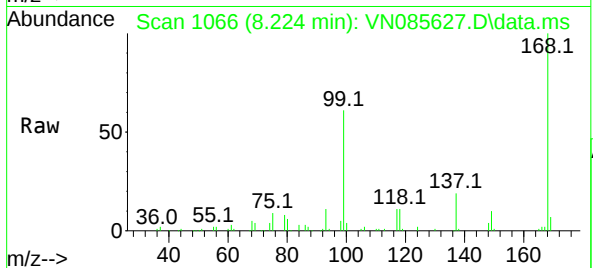
70 2.9 7.5 11.3#



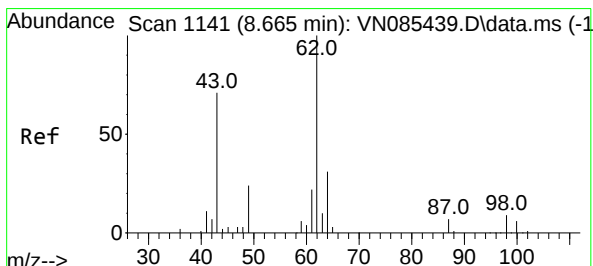
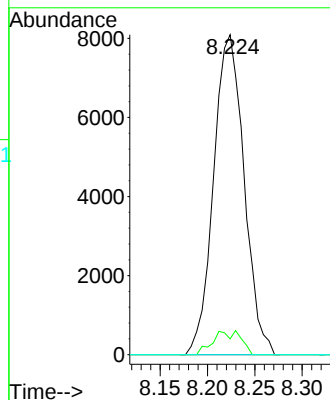
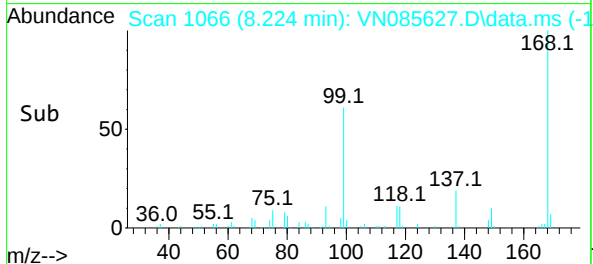


#38
Carbon Tetrachloride
Concen: 4.664 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

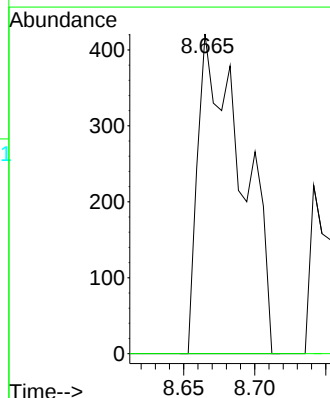
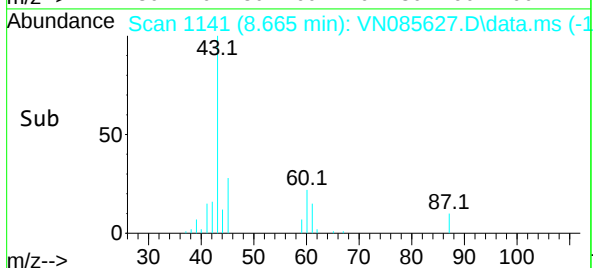
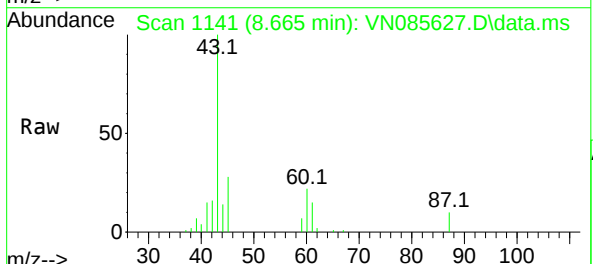


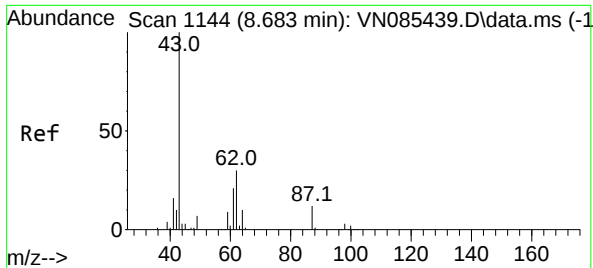
Tgt Ion:117 Resp: 18109
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

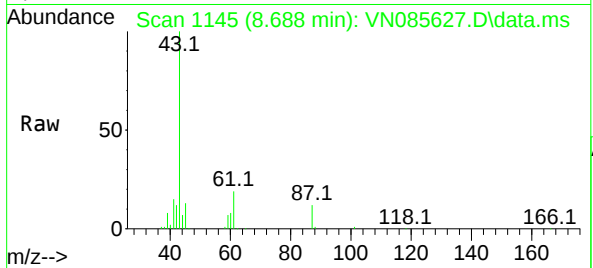
Tgt Ion: 62 Resp: 907
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



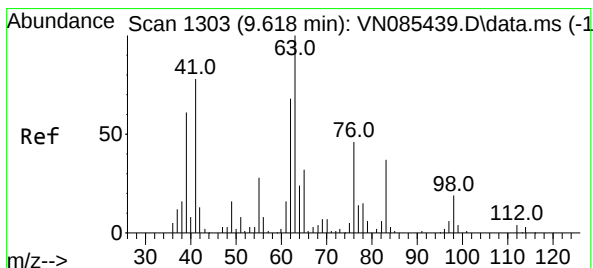
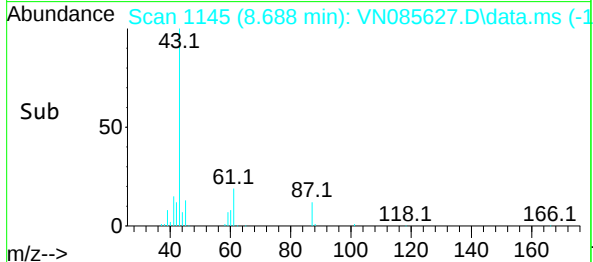
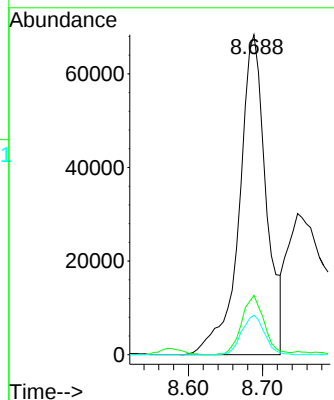


#43
Isopropyl Acetate
Concen: 31.521 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

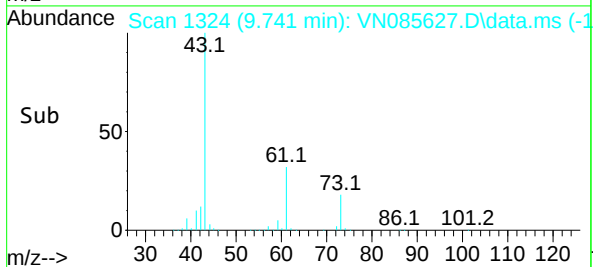
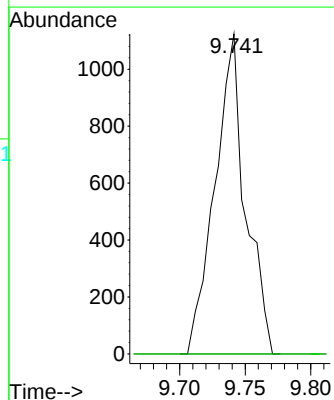
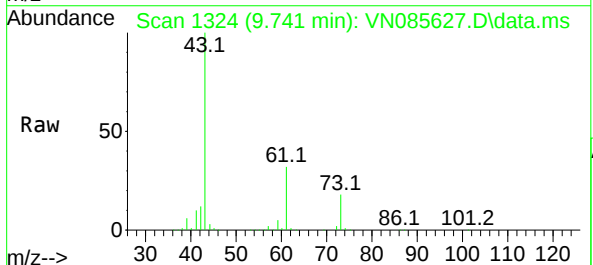


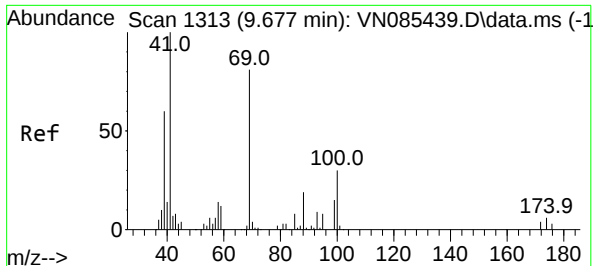
Tgt Ion: 43 Resp: 172898
Ion Ratio Lower Upper
43 100
61 15.5 20.7 31.1#
87 10.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.698 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 63 Resp: 1818
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 50.763 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

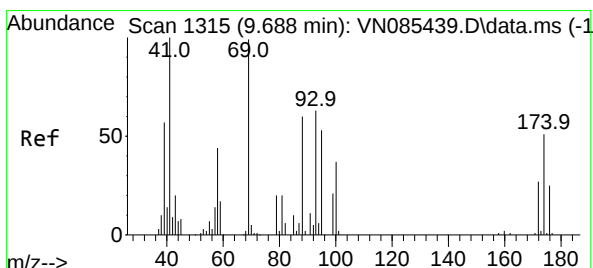
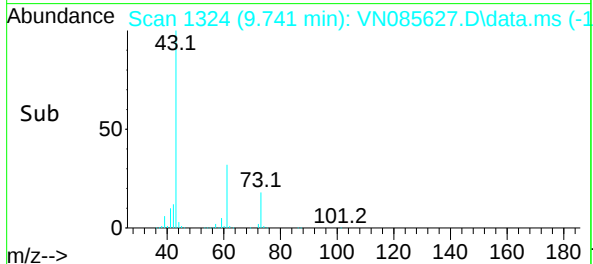
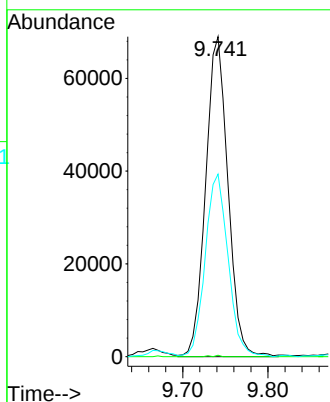
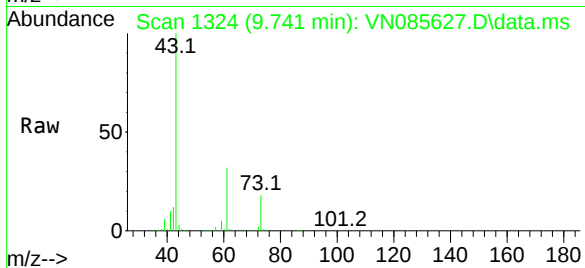
Tgt Ion: 41 Resp: 125306

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 58.6 49.0 73.6



#49

1,4-Dioxane

Concen: 1.708 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

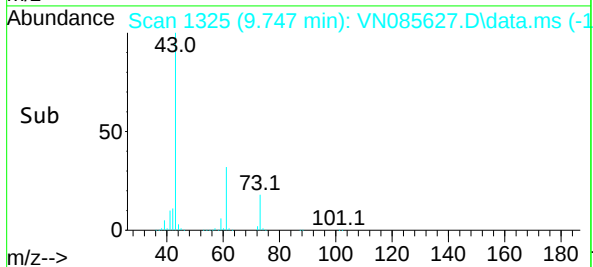
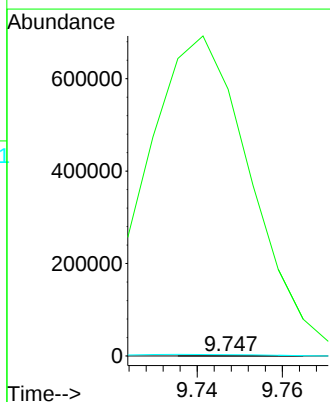
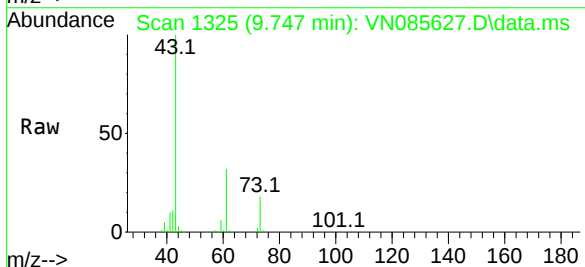
Tgt Ion: 88 Resp: 71

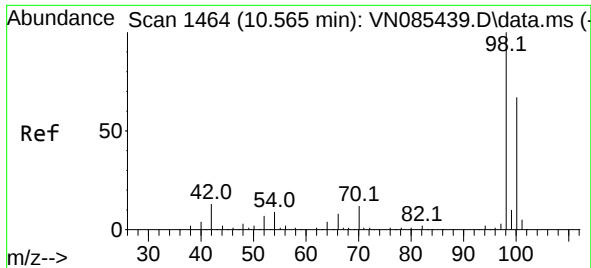
Ion Ratio Lower Upper

88 100

43 1741773.2 26.6 39.8#

58 10597.2 59.5 89.3#

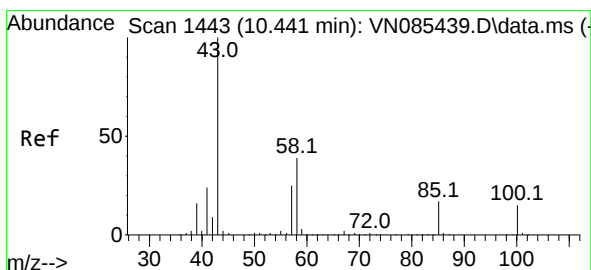
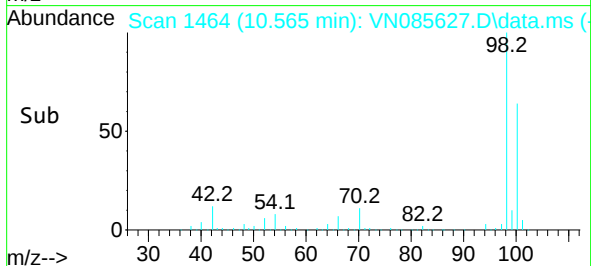
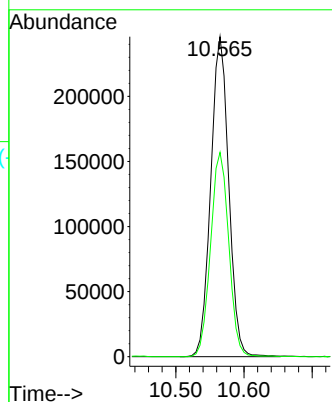
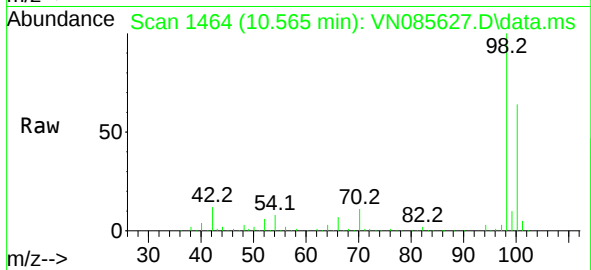




#50
Toluene-d8
Concen: 52.567 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

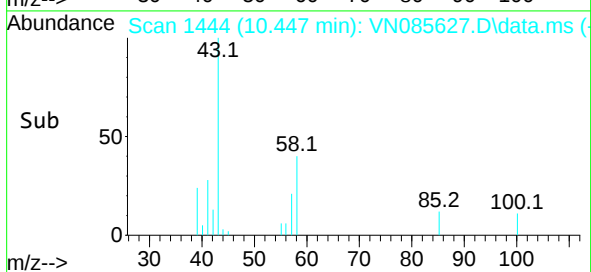
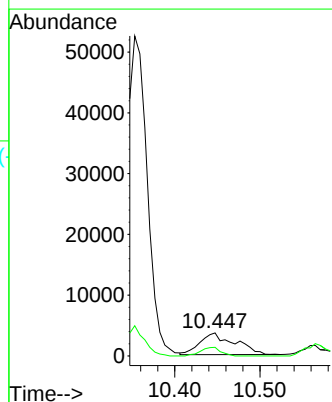
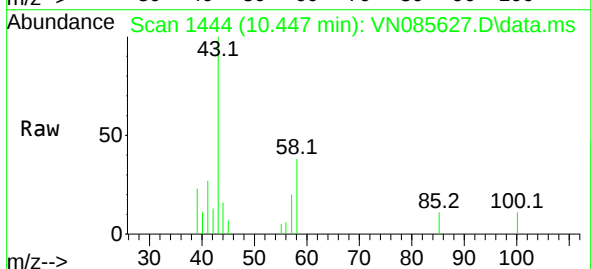
Instrument :
MSVOA_N
ClientSampleId :

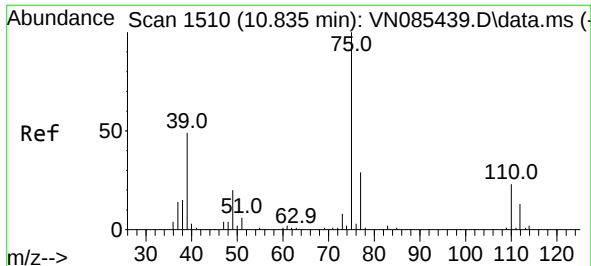
Tgt Ion: 98 Resp: 451319
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.200 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 43 Resp: 10186
Ion Ratio Lower Upper
43 100
58 23.0 30.5 45.7#

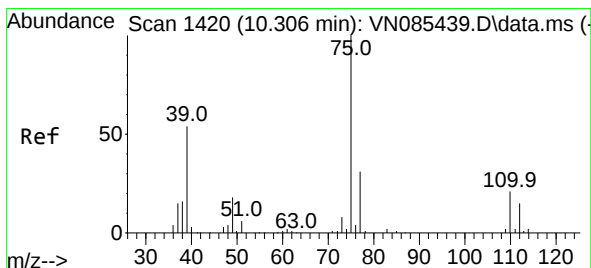
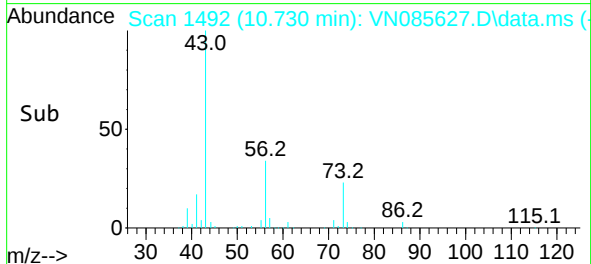
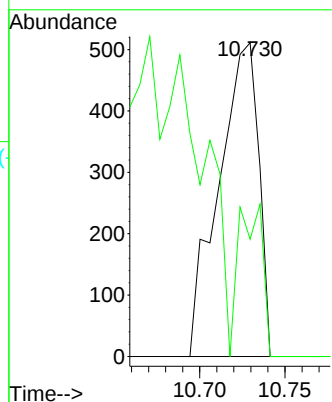
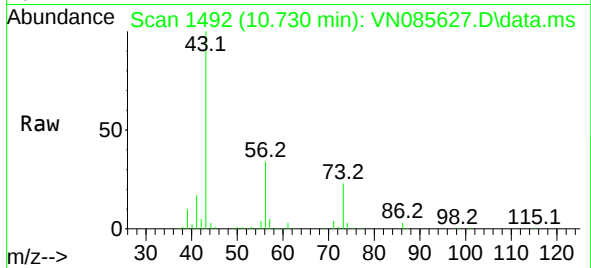




#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

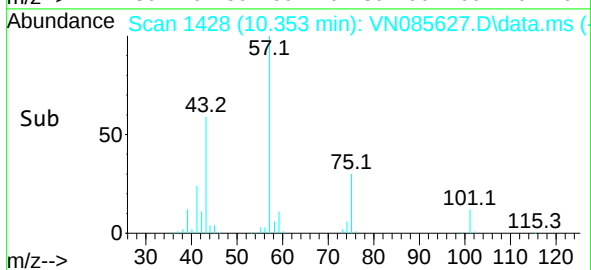
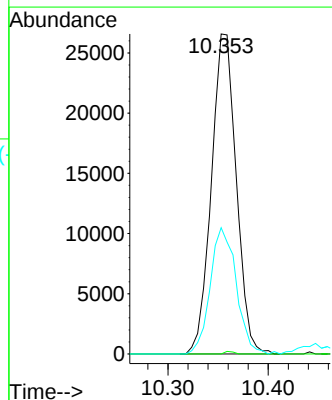
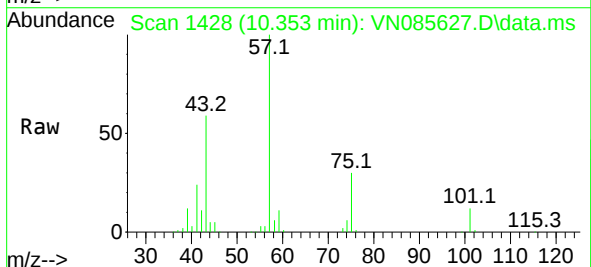
Instrument :
MSVOA_N
ClientSampleId :

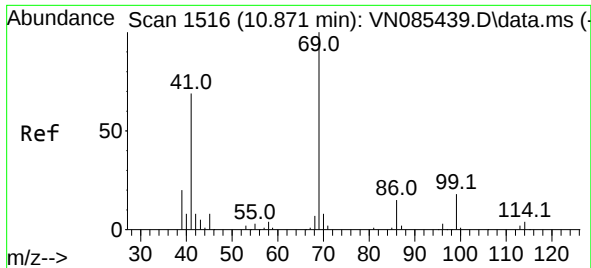
Tgt Ion: 75 Resp: 833
Ion Ratio Lower Upper
75 100
77 37.4 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 11.882 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 75 Resp: 45894
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 39.5 43.1 64.7#

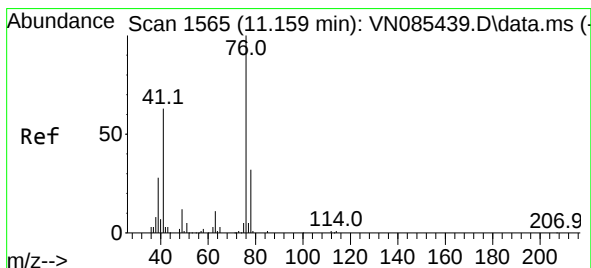
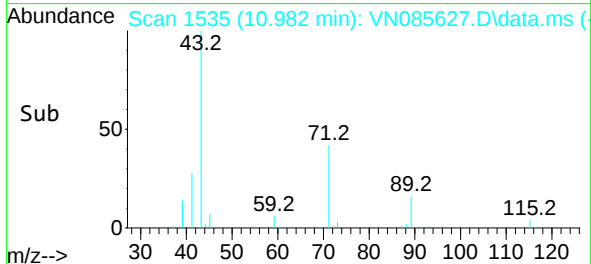
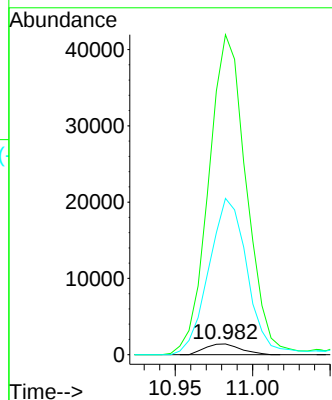
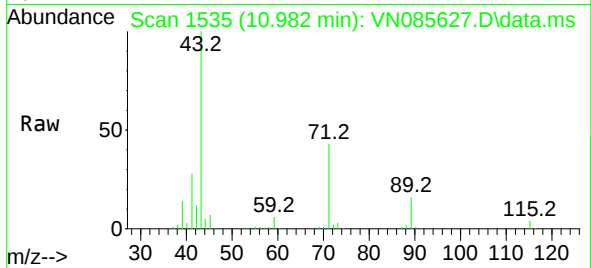




#56
Ethyl methacrylate
Concen: 2.485 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

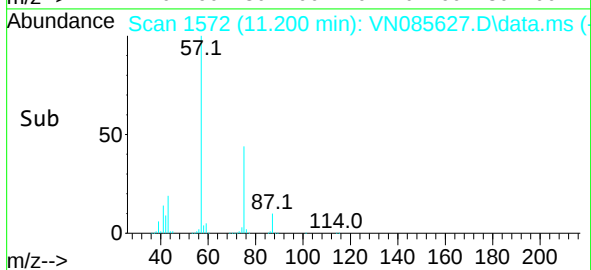
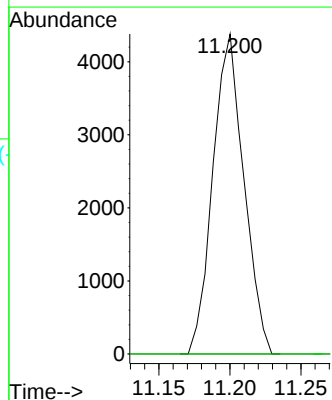
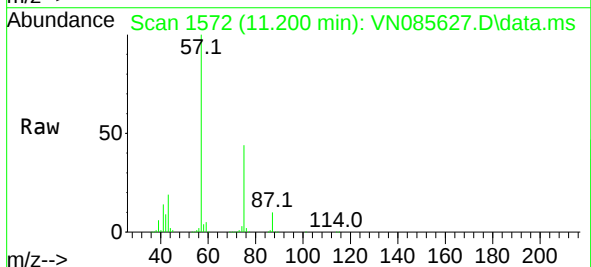
Instrument :
MSVOA_N
ClientSampleId :

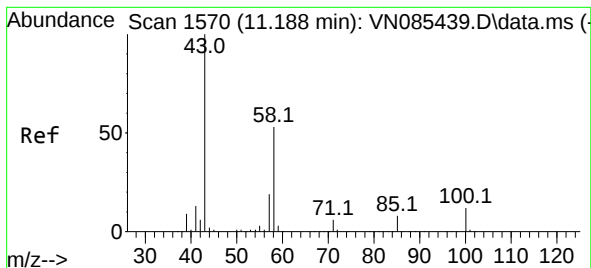
Tgt Ion: 69 Resp: 2268
Ion Ratio Lower Upper
69 100
41 3130.6 54.6 82.0#
39 1564.8 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.635 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 76 Resp: 6643
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

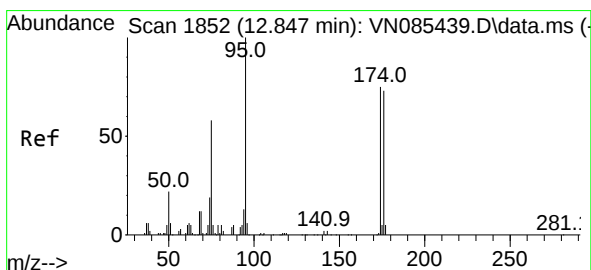
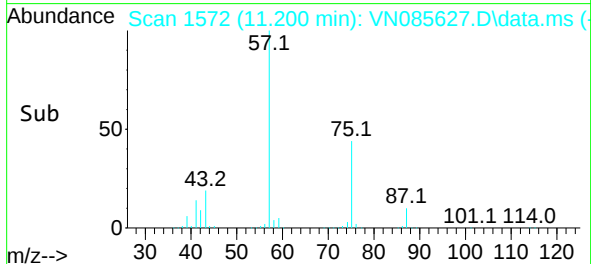
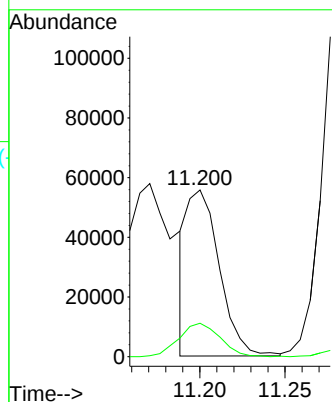
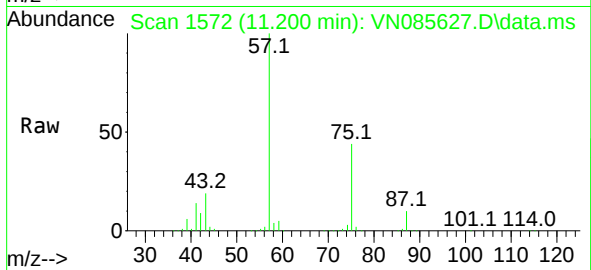




#59
2-Hexanone
Concen: 32.850 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

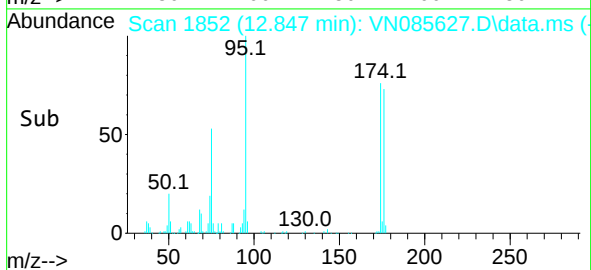
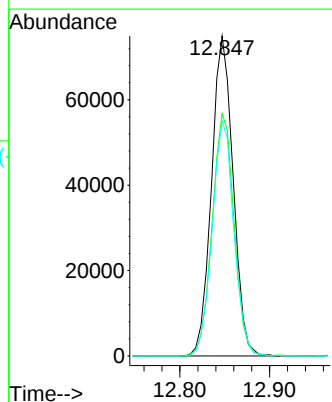
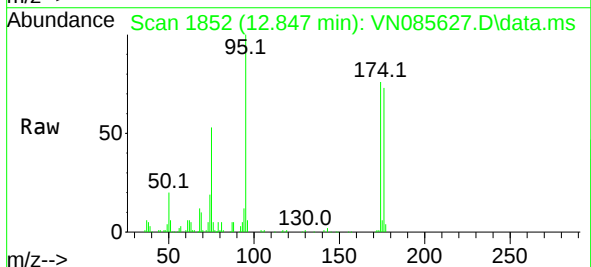
Instrument :
MSVOA_N
ClientSampleId :

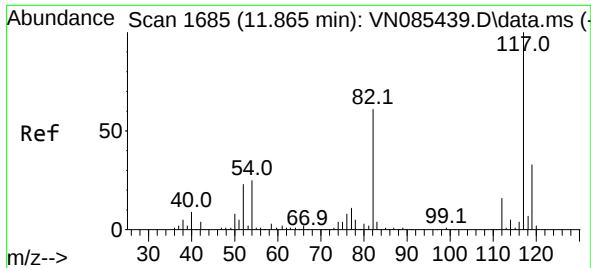
Tgt Ion: 43 Resp: 73571
Ion Ratio Lower Upper
43 100
58 25.7 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.569 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

Tgt Ion: 95 Resp: 125023
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.0
176 74.0 0.0 142.4

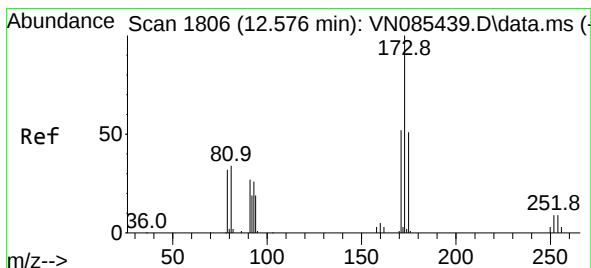
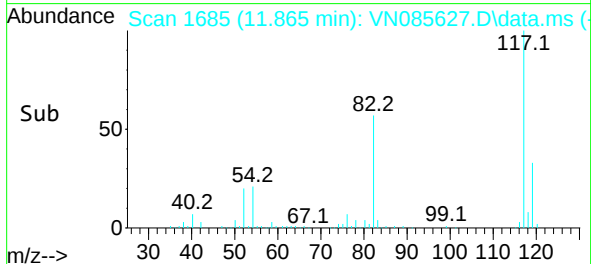
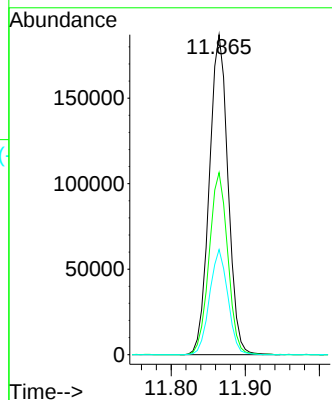
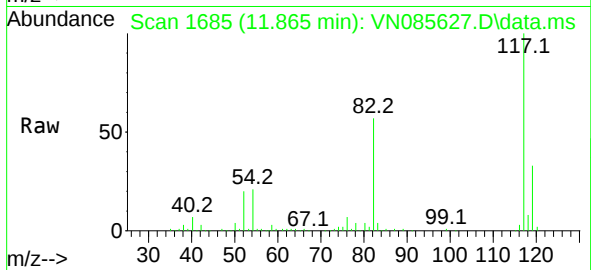




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

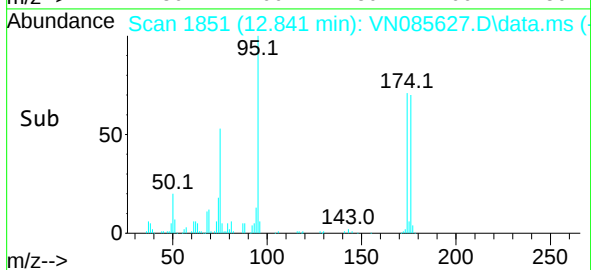
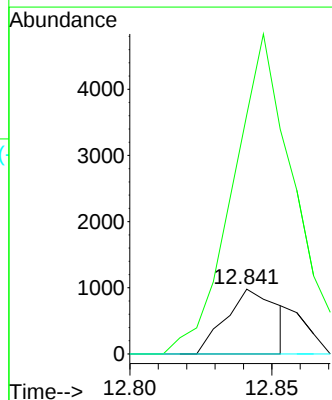
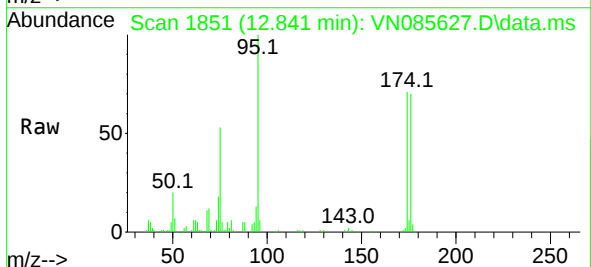
Instrument :
MSVOA_N
ClientSampleId :

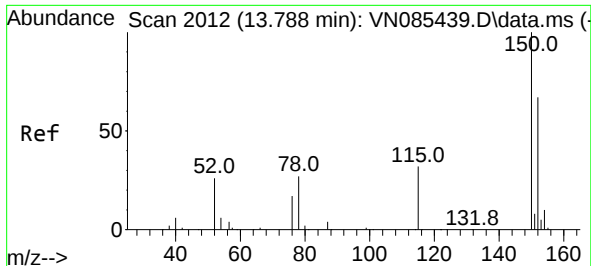
Tgt Ion:117 Resp: 328165
Ion Ratio Lower Upper
117 100
82 56.9 48.6 72.8
119 32.8 26.6 39.8



#71
Bromoform
Concen: 0.654 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

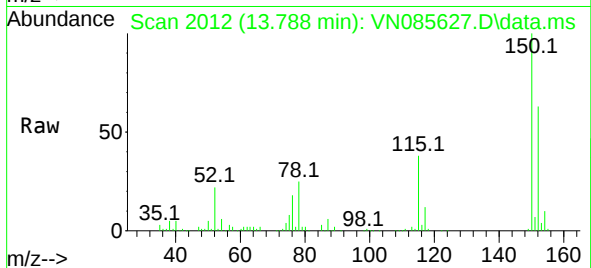
Tgt Ion:173 Resp: 1235
Ion Ratio Lower Upper
173 100
175 455.5 24.4 73.2#
254 0.0 0.0 0.0



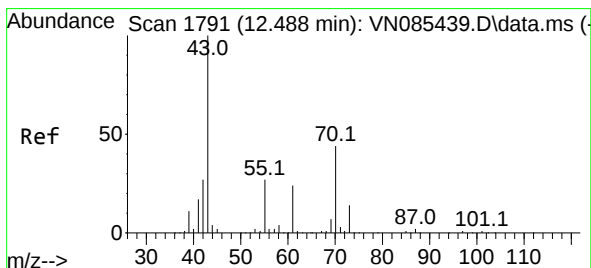
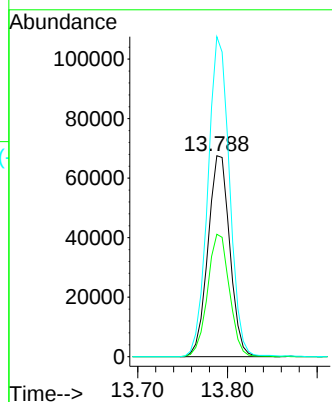
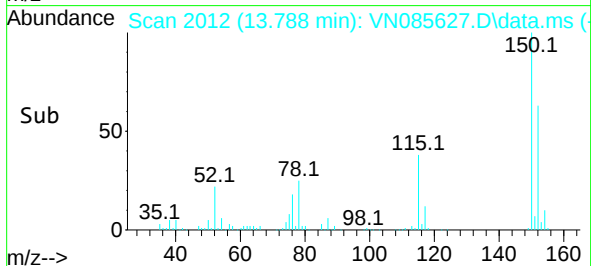


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13

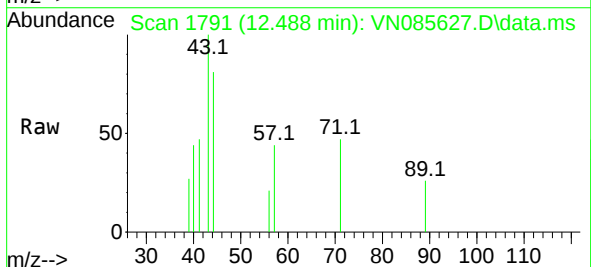
Instrument :
MSVOA_N
ClientSampleId :



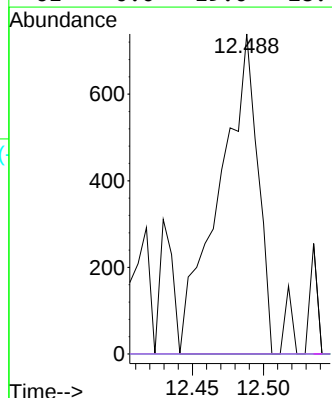
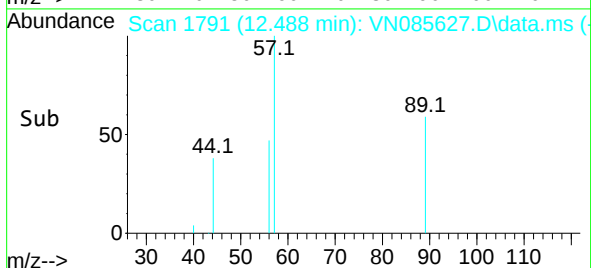
Tgt Ion:152 Resp: 114250
Ion Ratio Lower Upper
152 100
115 60.9 31.1 93.3
150 157.7 0.0 343.6

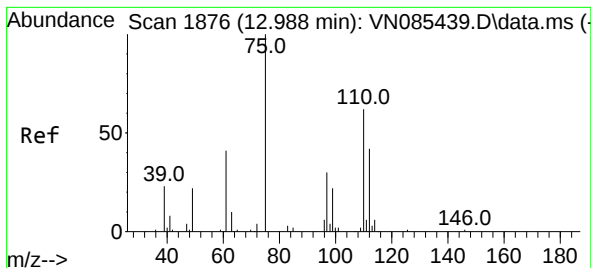


#74
N-ethyl acetate
Concen: 0.399 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085627.D
Acq: 03 Feb 2025 17:13



Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 29.033 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

Instrument :

MSVOA_N

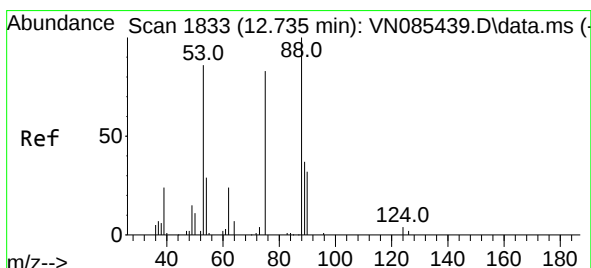
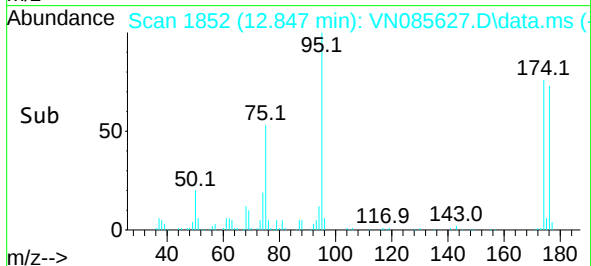
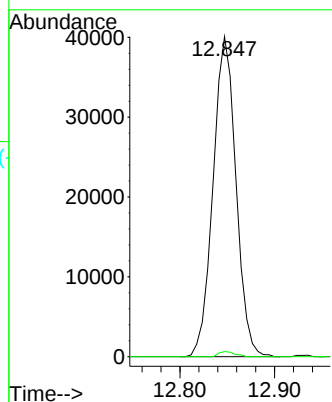
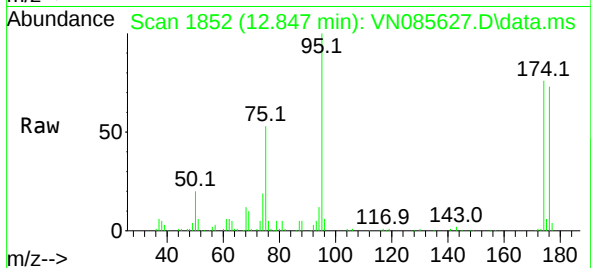
ClientSampleId :

Tgt Ion: 75 Resp: 67419

Ion Ratio Lower Upper

75 100

77 1.1 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.551 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085627.D

Acq: 03 Feb 2025 17:13

Tgt Ion: 75 Resp: 67419

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

