

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085565.D
 Acq On : 29 Jan 2025 18:18
 Operator : JC\MD
 Sample : PB166319ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:40:00 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	156569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147609	58.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.800%	
35) Dibromofluoromethane	8.165	113	110716	50.860	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.720%	
50) Toluene-d8	10.565	98	409926	53.000	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.000%	
62) 4-Bromofluorobenzene	12.847	95	121462	45.908	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.820%	

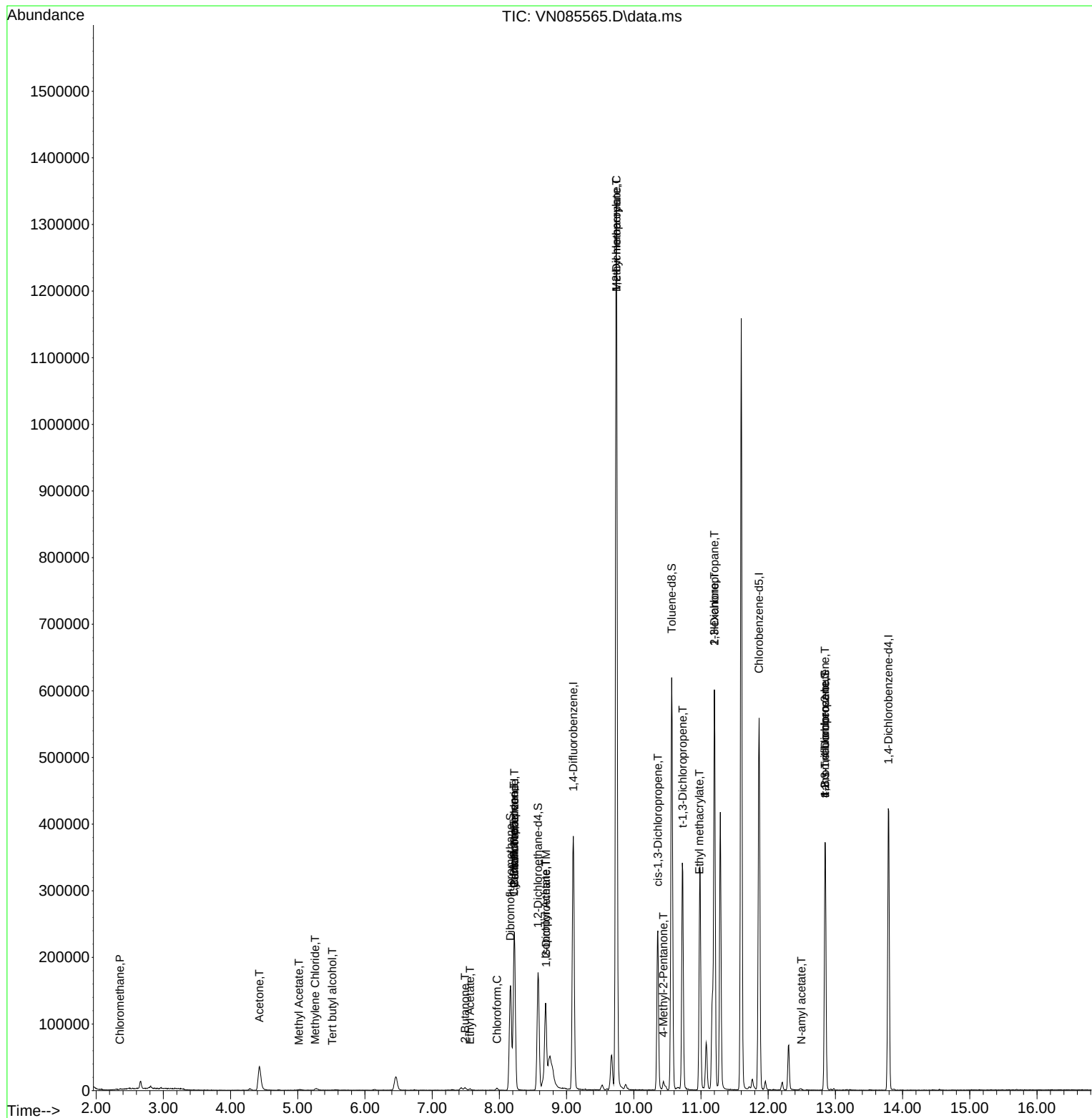
Target Compounds				Qvalue		
3) Chloromethane	2.354	50	524	0.228	ug/l #	41
11) Tert butyl alcohol	5.512	59	220	0.760	ug/l #	71
16) Acetone	4.430	43	69549	85.168	ug/l	92
18) Methyl Acetate	5.018	43	1244	0.501	ug/l #	86
20) Methylene Chloride	5.259	84	770	0.381	ug/l #	73
25) 2-Butanone	7.489	43	6743	5.611	ug/l	97
30) Chloroform	7.965	83	2841	0.745	ug/l	92
31) Cyclohexane	8.218	56	4935	1.539	ug/l #	55
36) 1,1-Dichloropropene	8.218	75	14905	4.879	ug/l #	50
37) Ethyl Acetate	7.565	43	3340	1.083	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18079	5.169	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	792	0.229	ug/l #	76
43) Isopropyl Acetate	8.688	43	158138	32.003	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1867	0.796	ug/l #	43
48) Methyl methacrylate	9.741	41	130123	58.516	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	12564	4.382	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	687	0.211	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	38120	10.956	ug/l #	71
56) Ethyl methacrylate	10.977	69	1843	2.431	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5593	1.528	ug/l #	43
59) 2-Hexanone	11.200	43	75893	37.616	ug/l #	57
74) N-amyl acetate	12.494	43	869	0.260	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68381	30.539	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68381	82.625	ug/l #	3

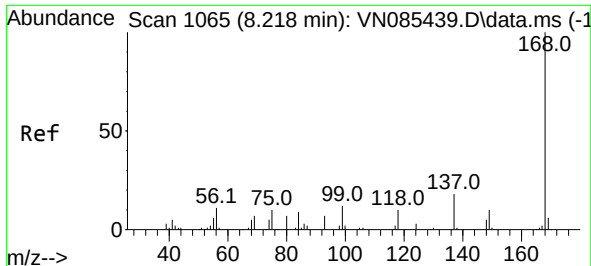
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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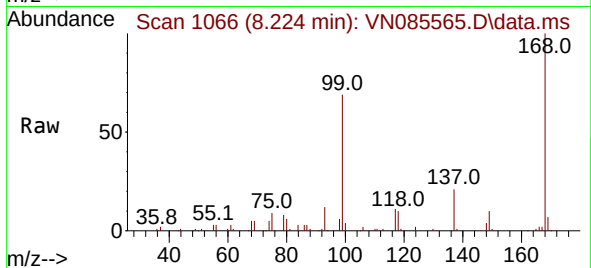
Quant Time: Jan 30 00:40:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



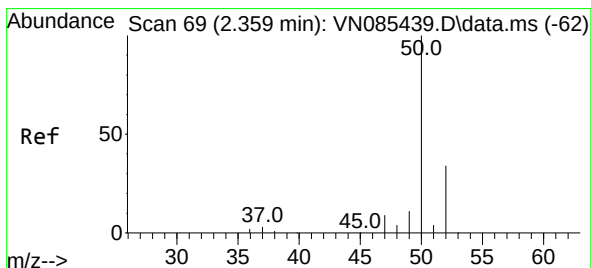
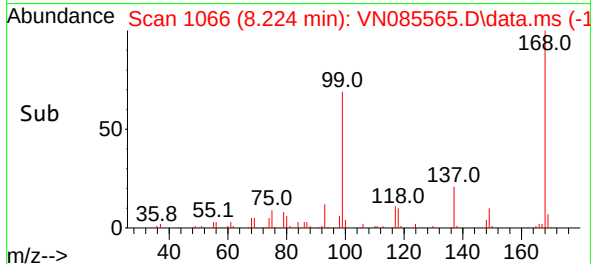
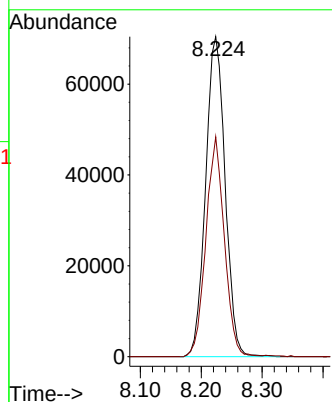


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

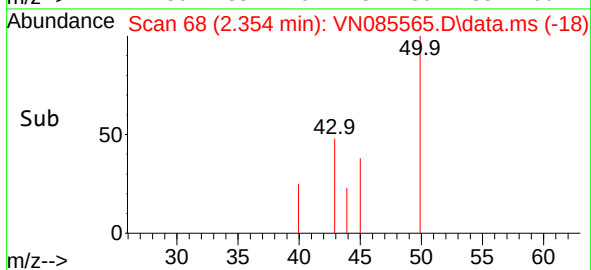
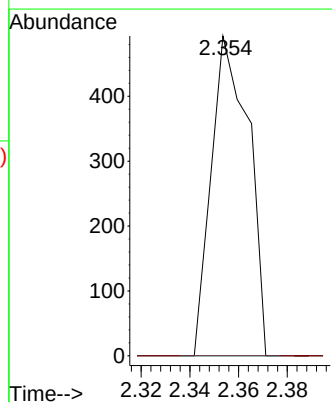
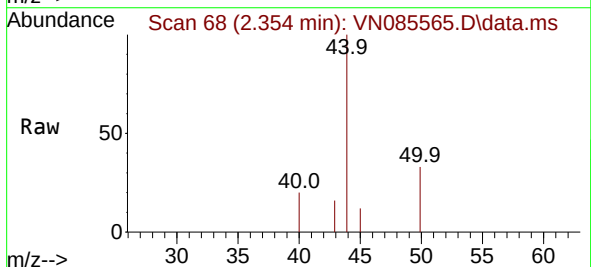


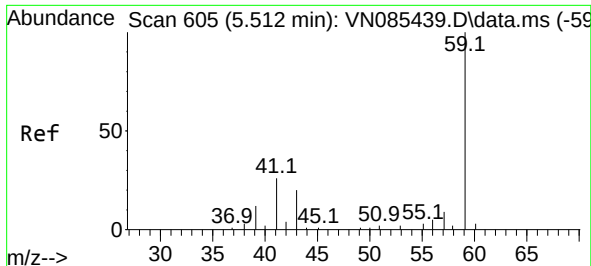
Tgt Ion:168 Resp: 156569
Ion Ratio Lower Upper
168 100
99 68.7 53.6 80.4



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

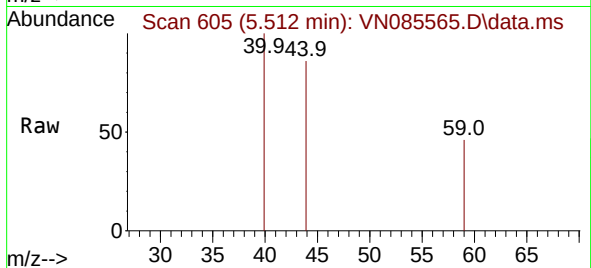
Tgt Ion: 50 Resp: 524
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



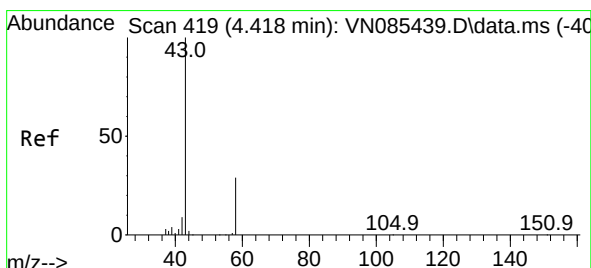
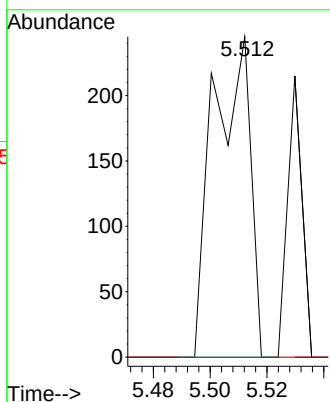
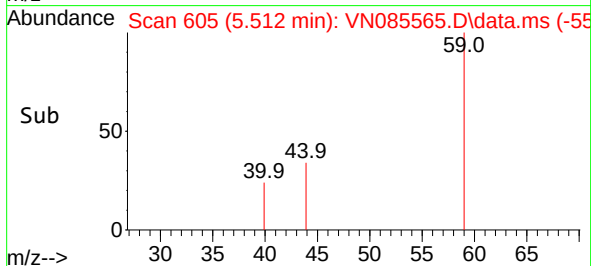


#11
Tert butyl alcohol
Concen: 0.760 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

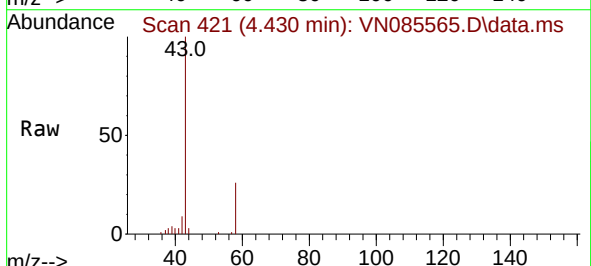
Instrument :
MSVOA_N
ClientSampleId :



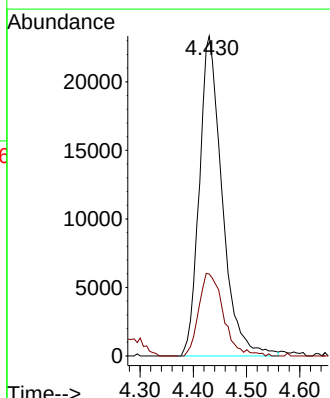
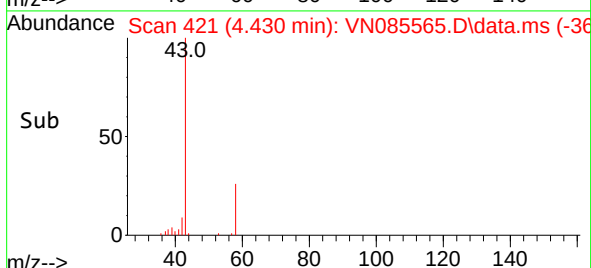
Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

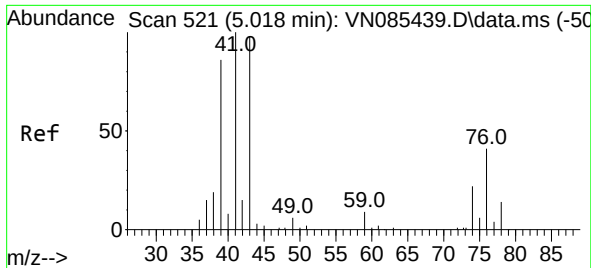


#16
Acetone
Concen: 85.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18



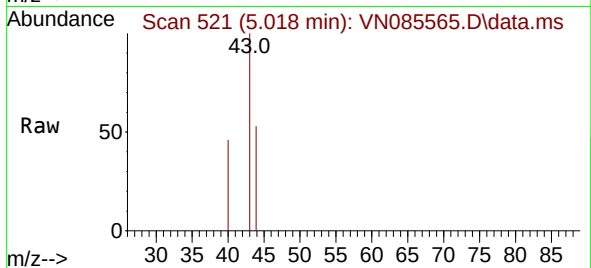
Tgt Ion: 43 Resp: 69549
Ion Ratio Lower Upper
43 100
58 25.6 23.8 35.6



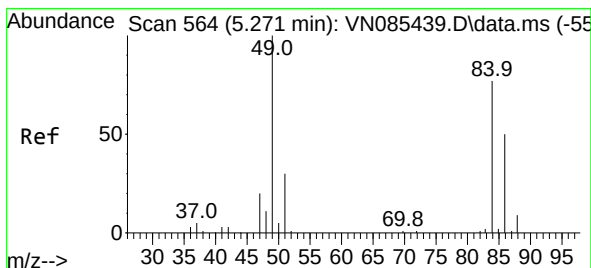
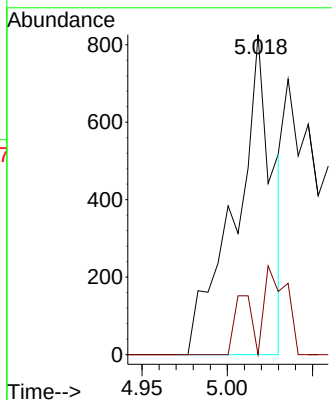
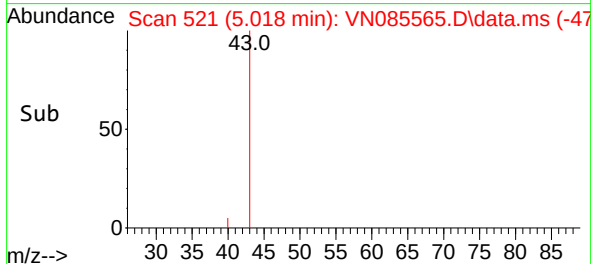


#18
Methyl Acetate
Concen: 0.501 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

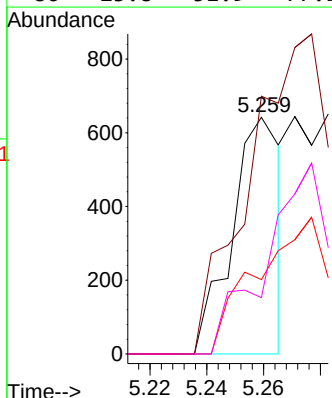
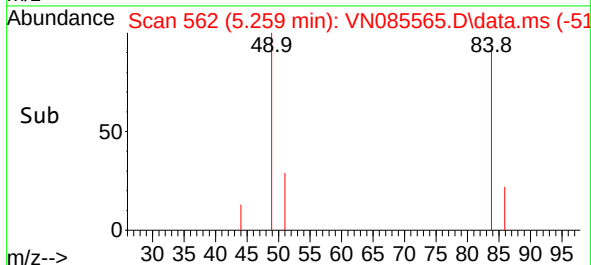
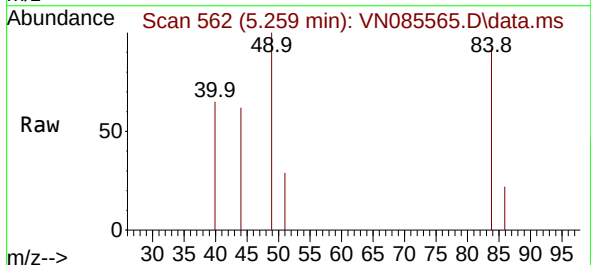


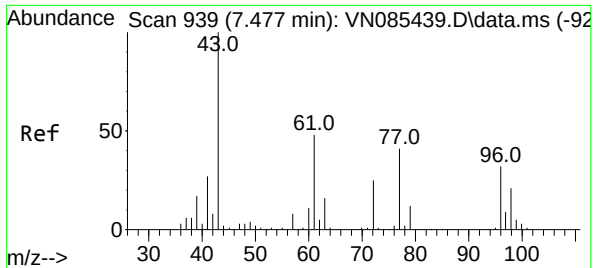
Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
74 16.3 18.6 28.0#



#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

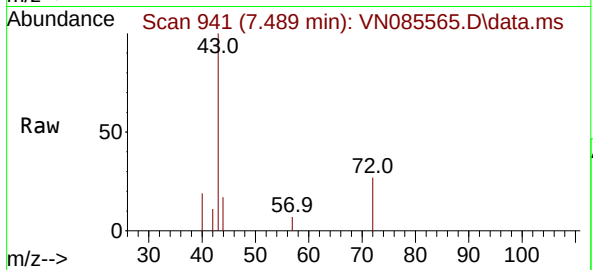
Tgt Ion: 84 Resp: 770
Ion Ratio Lower Upper
84 100
49 108.9 104.1 156.1
51 31.5 31.0 46.4
86 23.8 51.9 77.9#



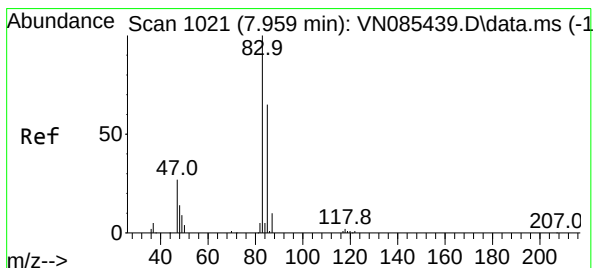
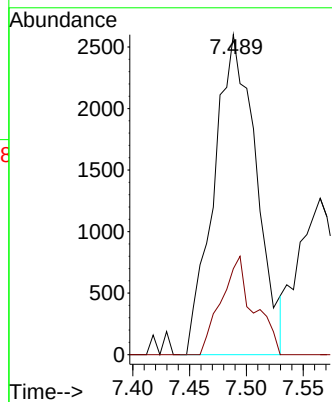
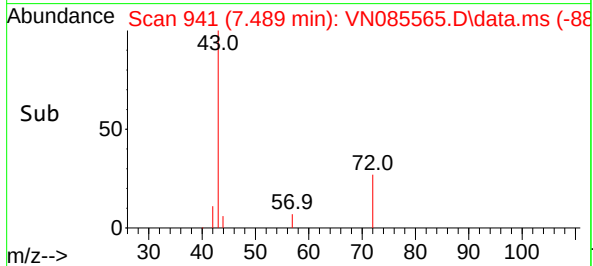


#25
2-Butanone
Concen: 5.611 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

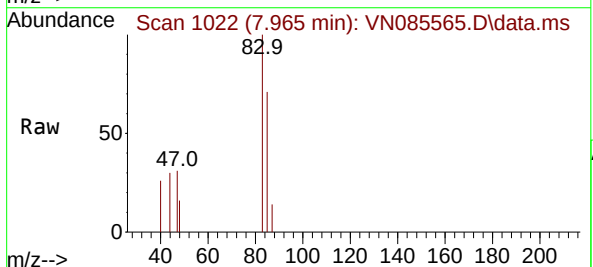
Instrument :
MSVOA_N
ClientSampleId :



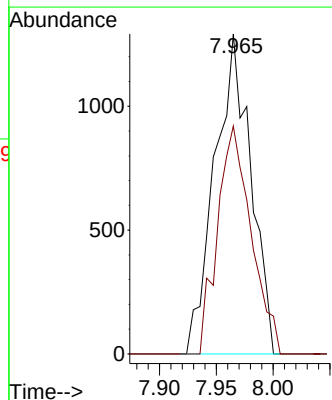
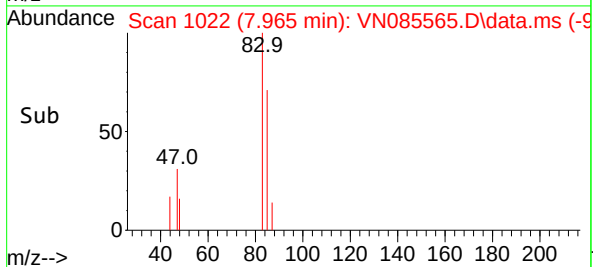
Tgt Ion: 43 Resp: 6743
Ion Ratio Lower Upper
43 100
72 26.8 20.2 30.4

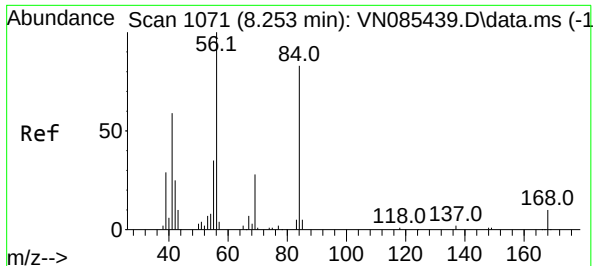


#30
Chloroform
Concen: 0.745 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18



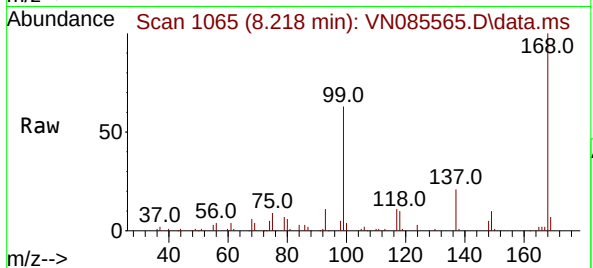
Tgt Ion: 83 Resp: 2841
Ion Ratio Lower Upper
83 100
85 71.2 51.8 77.6



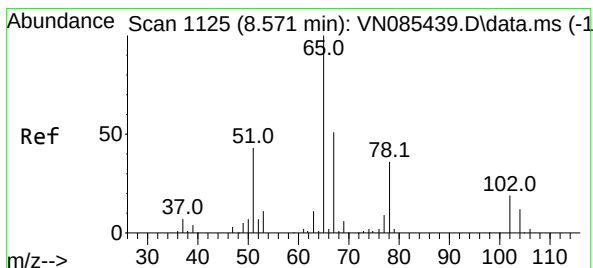
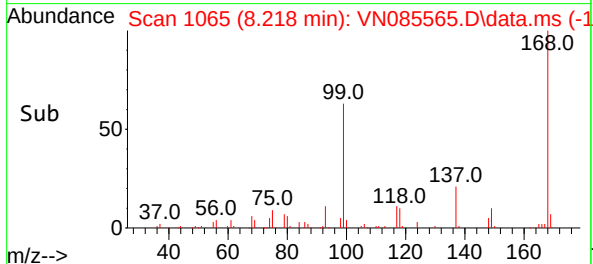
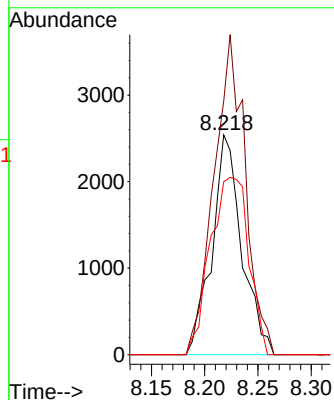


#31
Cyclohexane
Concen: 1.539 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

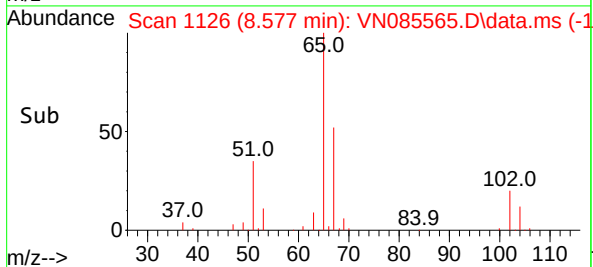
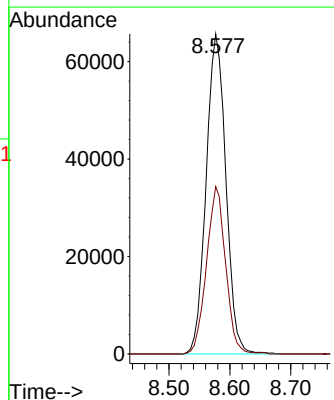
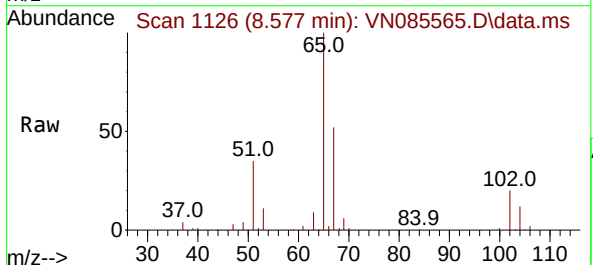


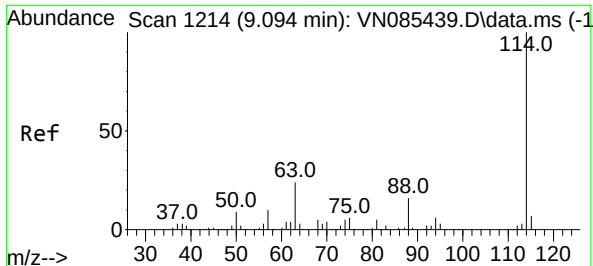
Tgt Ion: 56 Resp: 4935
Ion Ratio Lower Upper
56 100
69 115.2 22.2 33.4#
84 78.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.405 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Tgt Ion: 65 Resp: 147609
Ion Ratio Lower Upper
65 100
67 50.7 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: VN085565.D

Acq: 29 Jan 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

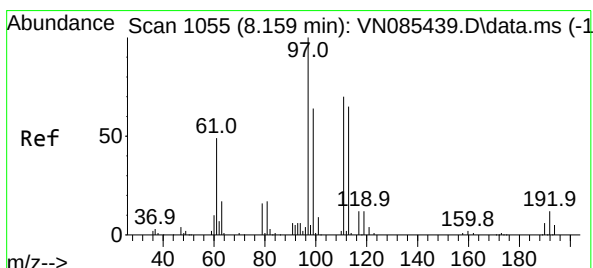
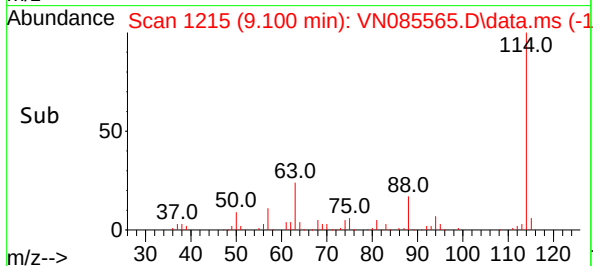
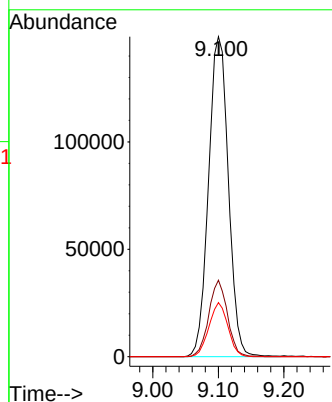
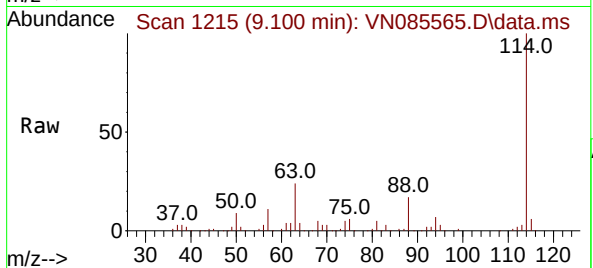
Tgt Ion:114 Resp: 313782

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.6

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.860 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085565.D

Acq: 29 Jan 2025 18:18

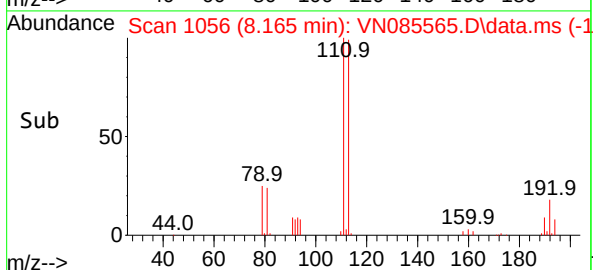
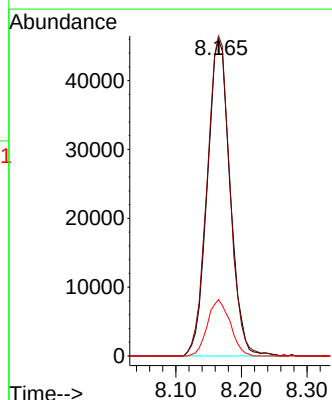
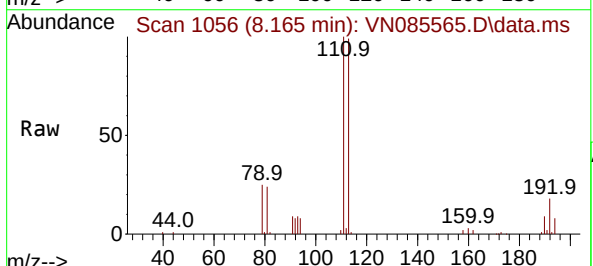
Tgt Ion:113 Resp: 110716

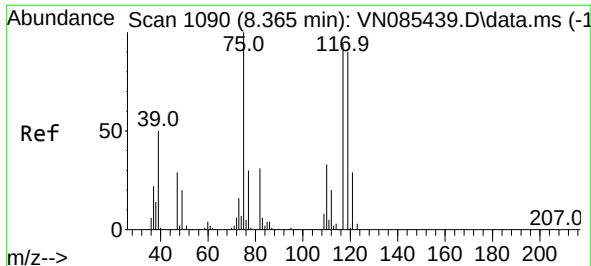
Ion Ratio Lower Upper

113 100

111 101.8 82.7 124.1

192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

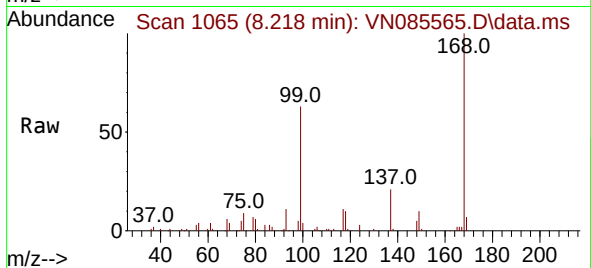
Lab File: VN085565.D

Acq: 29 Jan 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :



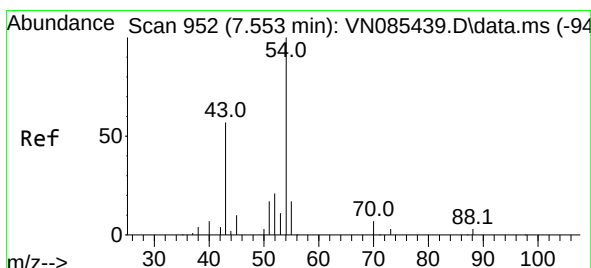
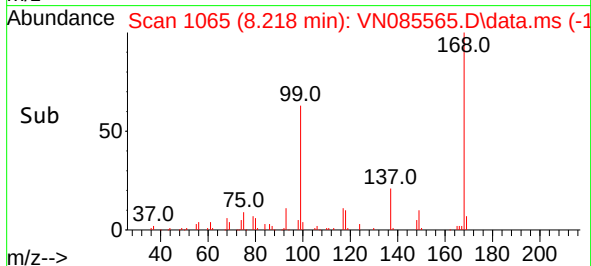
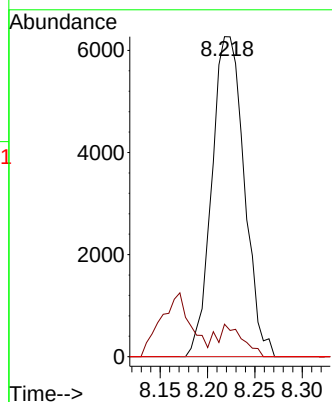
Tgt Ion: 75 Resp: 14905

Ion Ratio Lower Upper

75 100

110 8.1 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.083 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085565.D

Acq: 29 Jan 2025 18:18

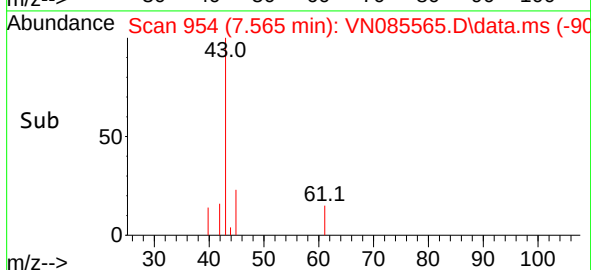
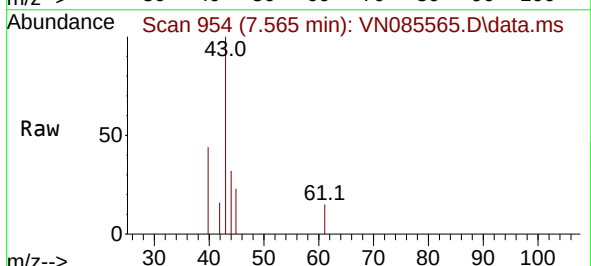
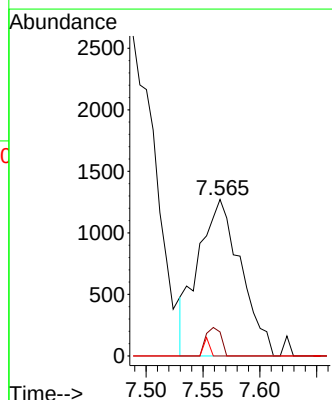
Tgt Ion: 43 Resp: 3340

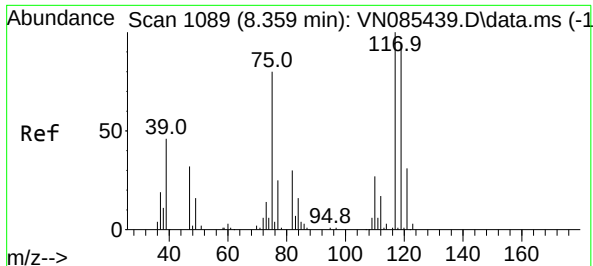
Ion Ratio Lower Upper

43 100

61 6.4 10.9 16.3#

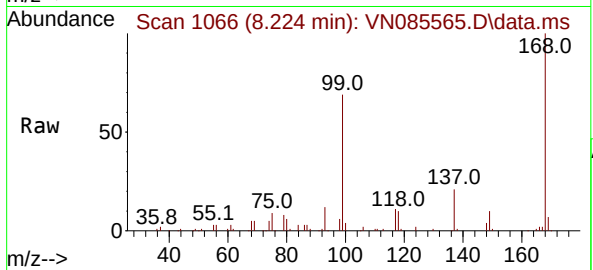
70 1.6 7.5 11.3#



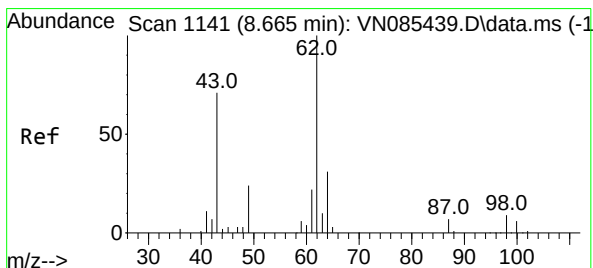
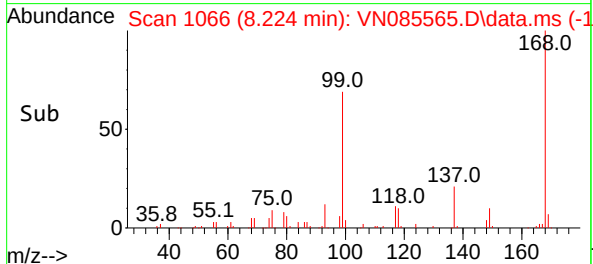
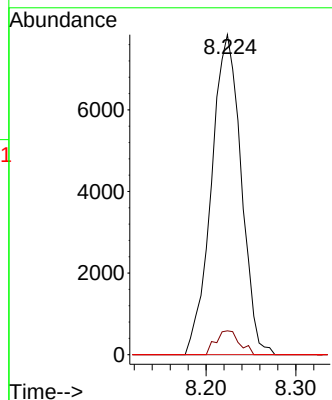


#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 8.224 min Scan# 11066
Delta R.T. -0.135 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

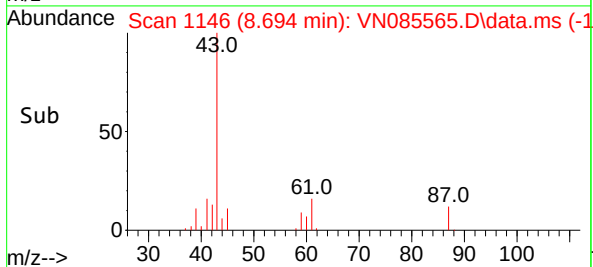
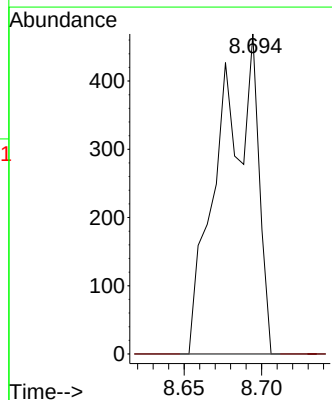
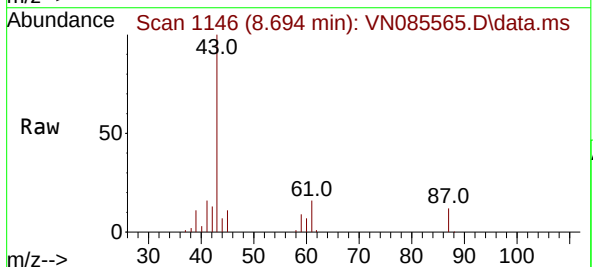


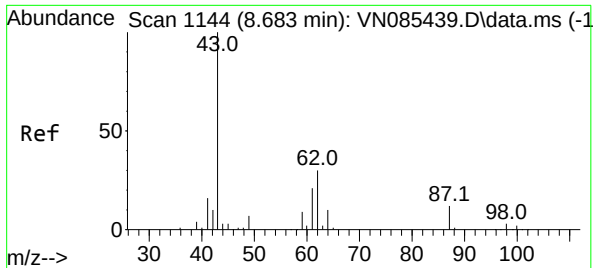
Tgt Ion:117 Resp: 18079
Ion Ratio Lower Upper
117 100
119 7.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.229 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.029 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Tgt Ion: 62 Resp: 792
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

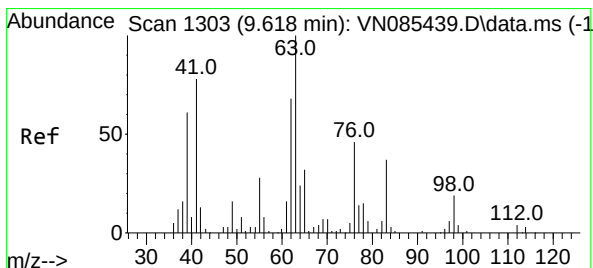
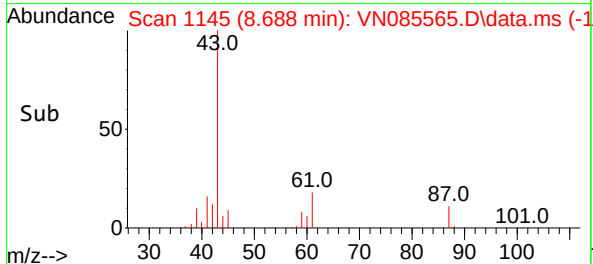
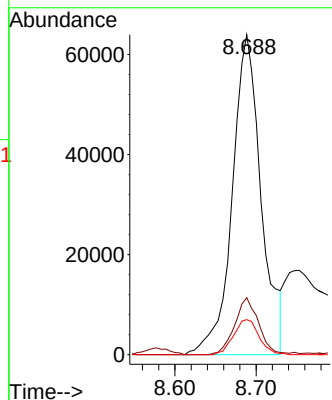
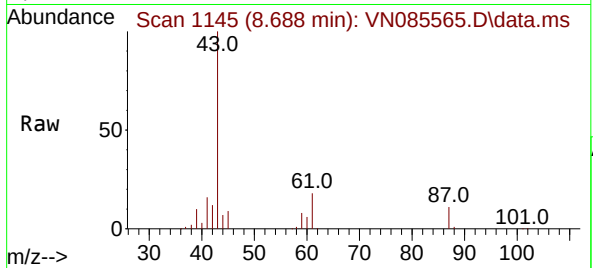




#43
Isopropyl Acetate
Concen: 32.003 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

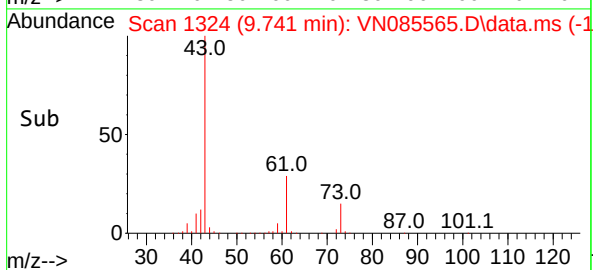
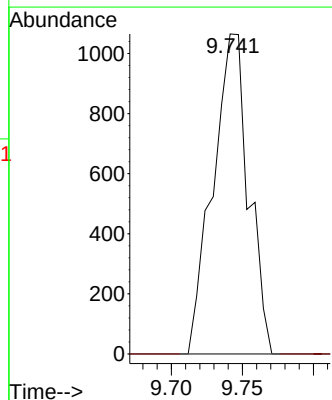
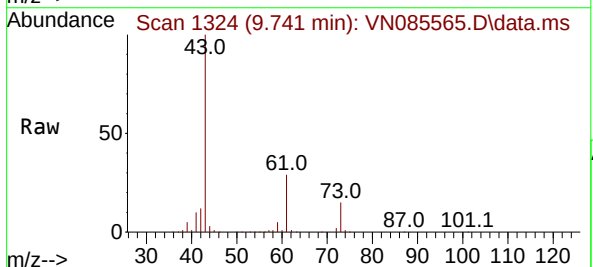
Instrument :
MSVOA_N
ClientSampleId :

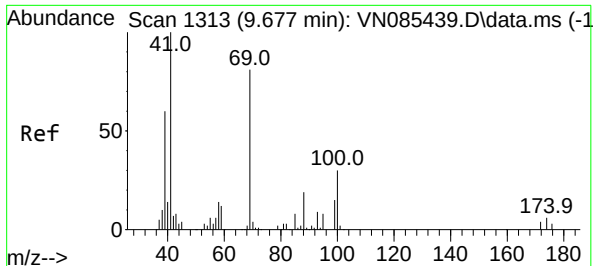
Tgt Ion: 43 Resp: 158138
Ion Ratio Lower Upper
43 100
61 14.8 20.7 31.1#
87 9.6 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.796 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

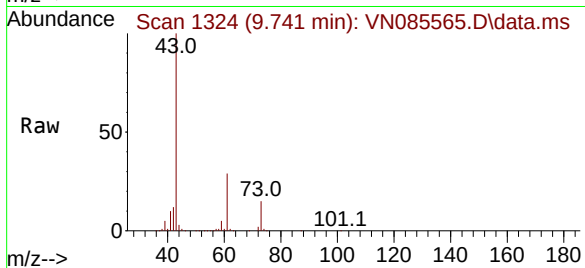
Tgt Ion: 63 Resp: 1867
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



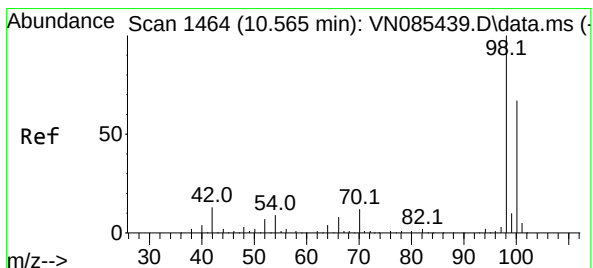
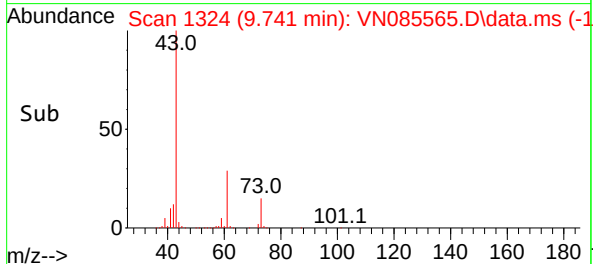
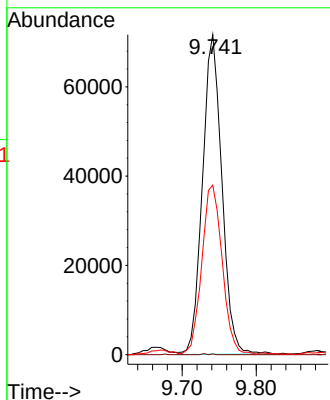


#48
Methyl methacrylate
Concen: 58.516 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

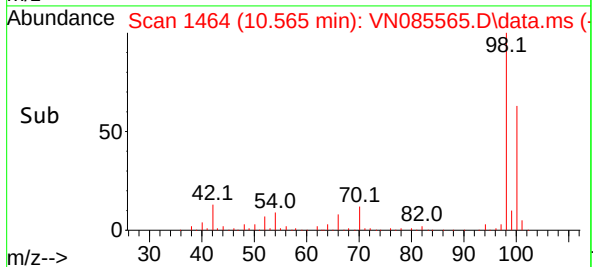
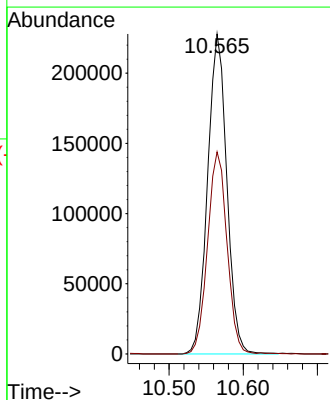
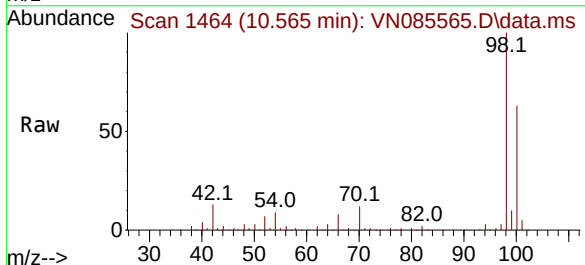


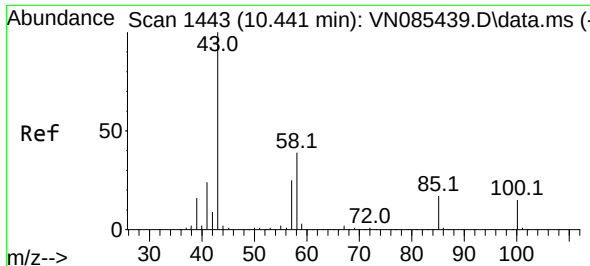
Tgt Ion: 41 Resp: 130123
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 55.4 49.0 73.6



#50
Toluene-d8
Concen: 53.000 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Tgt Ion: 98 Resp: 409926
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4

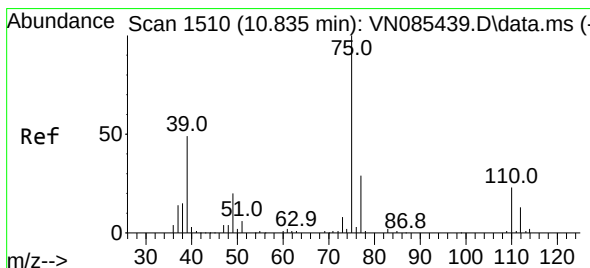
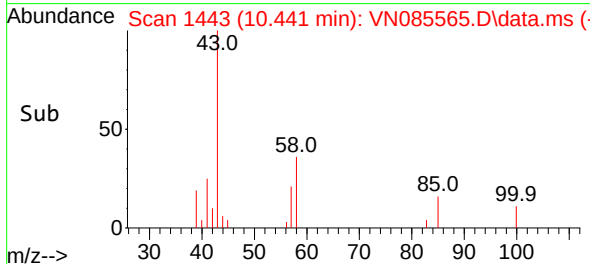
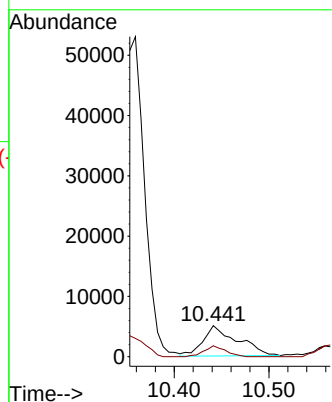
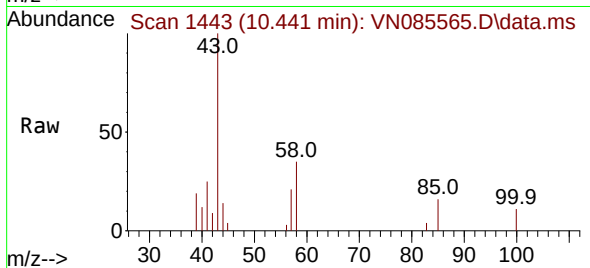




#51
4-Methyl-2-Pentanone
Concen: 4.382 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

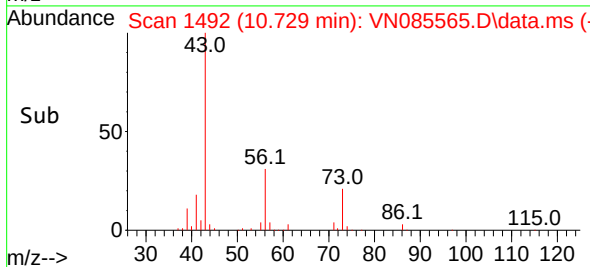
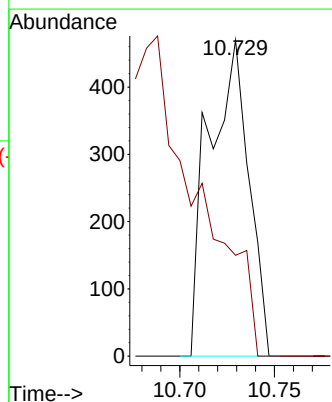
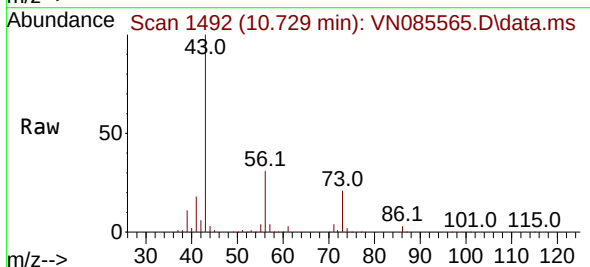
Instrument :
MSVOA_N
ClientSampleId :

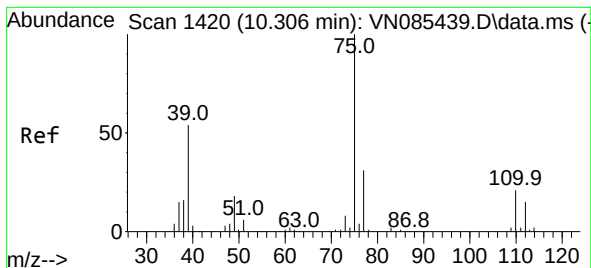
Tgt Ion: 43 Resp: 12564
Ion Ratio Lower Upper
43 100
58 22.5 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.211 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Tgt Ion: 75 Resp: 687
Ion Ratio Lower Upper
75 100
77 31.9 23.5 35.3

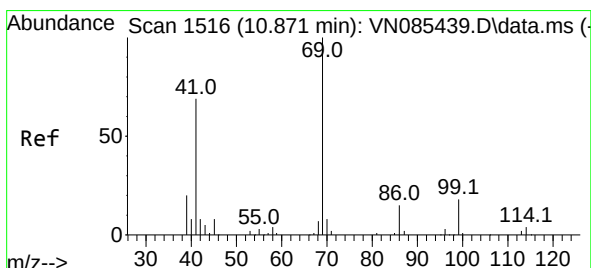
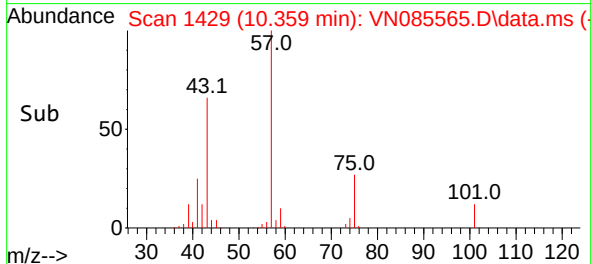
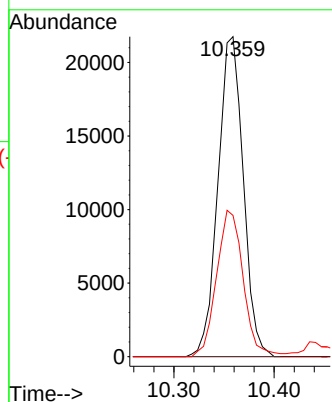
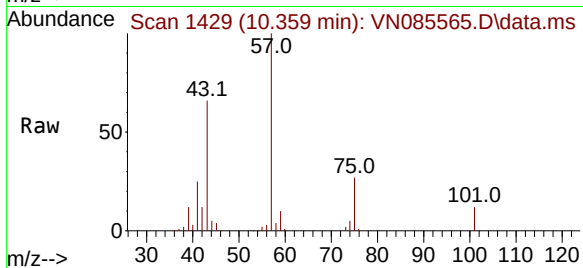




#54
 cis-1,3-Dichloropropene
 Concen: 10.956 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085565.D
 Acq: 29 Jan 2025 18:18

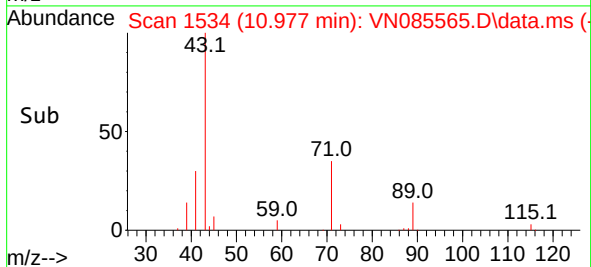
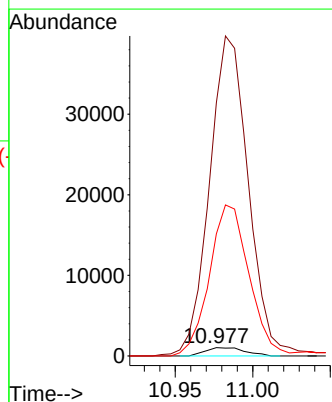
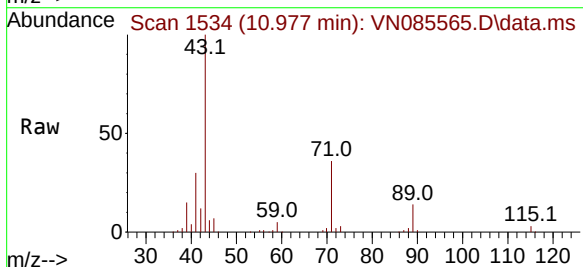
Instrument :
 MSVOA_N
 ClientSampleId :

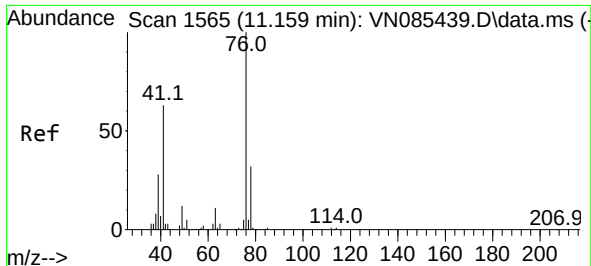
Tgt Ion: 75 Resp: 38120
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.1 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.431 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085565.D
 Acq: 29 Jan 2025 18:18

Tgt Ion: 69 Resp: 1843
 Ion Ratio Lower Upper
 69 100
 41 3782.6 54.6 82.0#
 39 1814.9 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.528 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085565.D

Acq: 29 Jan 2025 18:18

Instrument :

MSVOA_N

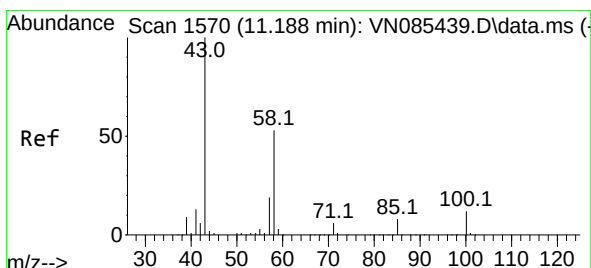
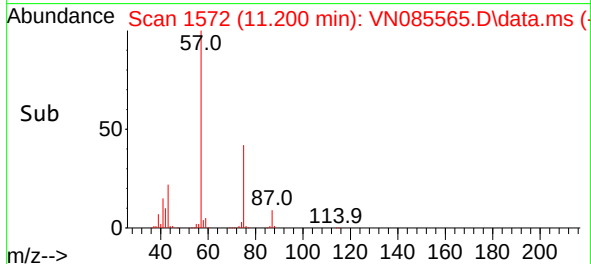
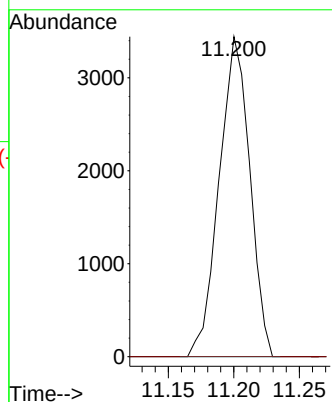
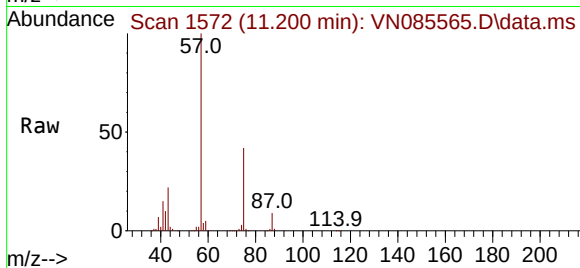
ClientSampleId :

Tgt Ion: 76 Resp: 5593

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.616 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085565.D

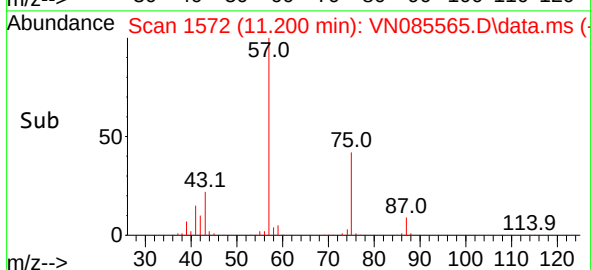
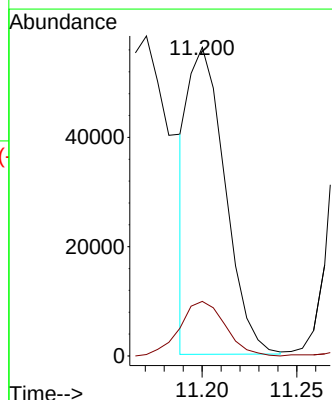
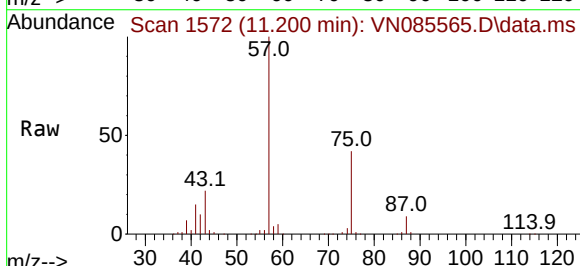
Acq: 29 Jan 2025 18:18

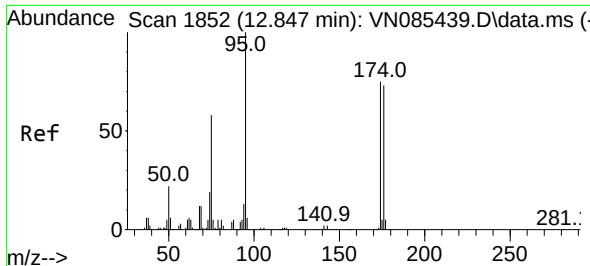
Tgt Ion: 43 Resp: 75893

Ion Ratio Lower Upper

43 100

58 22.0 26.2 78.6#

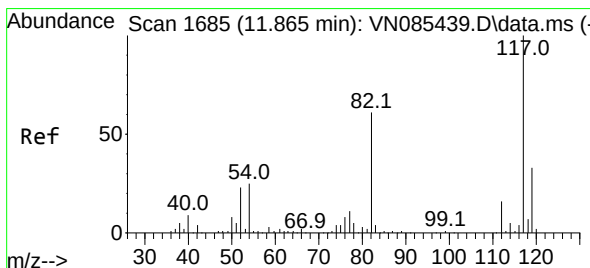
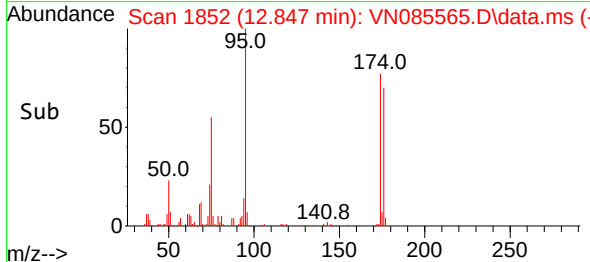
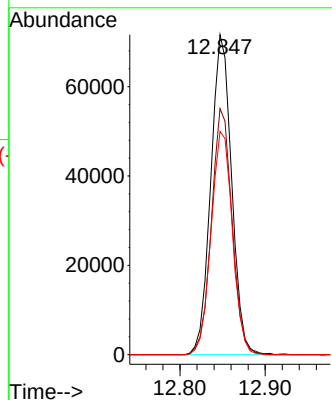
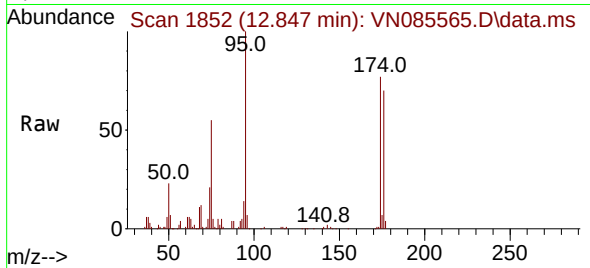




#62
4-Bromofluorobenzene
Concen: 45.908 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

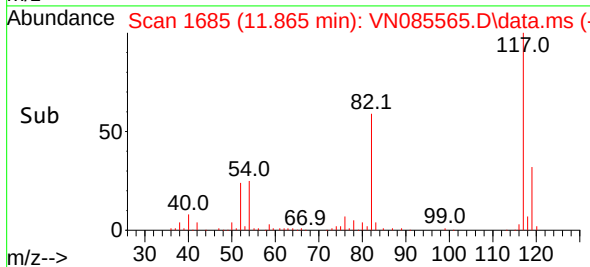
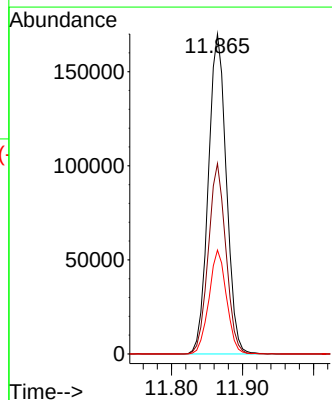
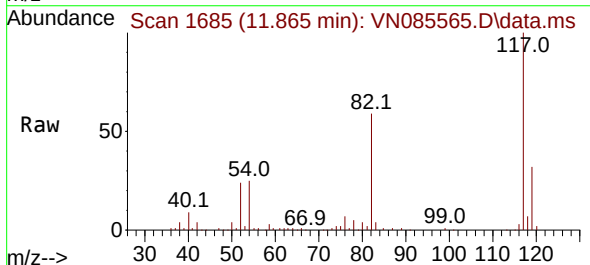
Instrument :
MSVOA_N
ClientSampleId :

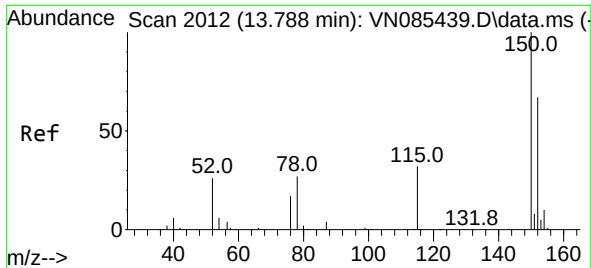
Tgt Ion: 95 Resp: 121462
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.0
176 71.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

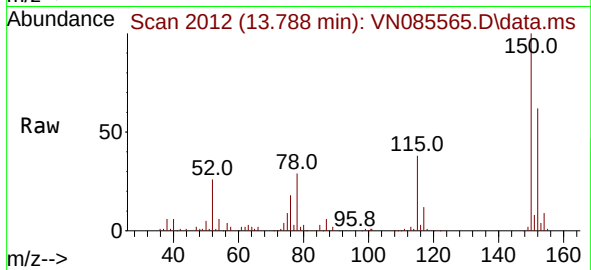
Tgt Ion: 117 Resp: 299491
Ion Ratio Lower Upper
117 100
82 59.5 48.6 72.8
119 32.5 26.6 39.8



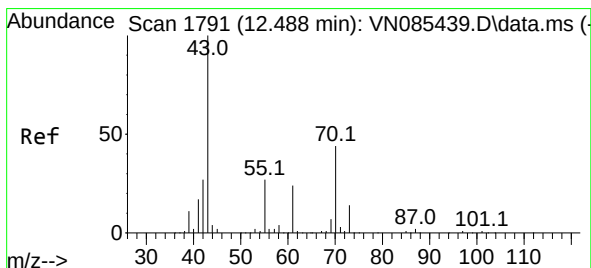
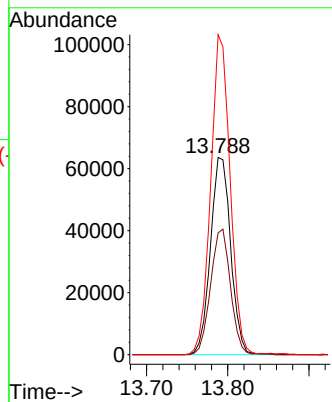
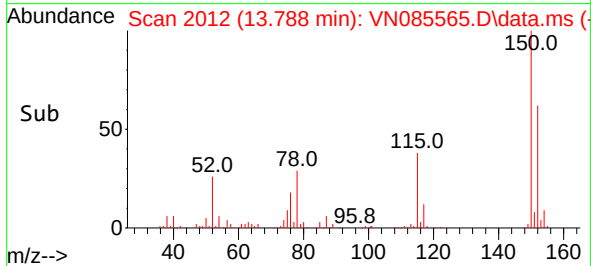


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085565.D
 Acq: 29 Jan 2025 18:18

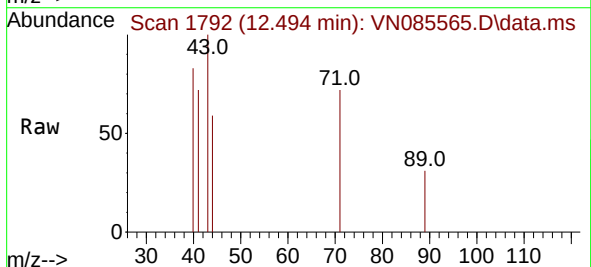
Instrument :
 MSVOA_N
 ClientSampleId :



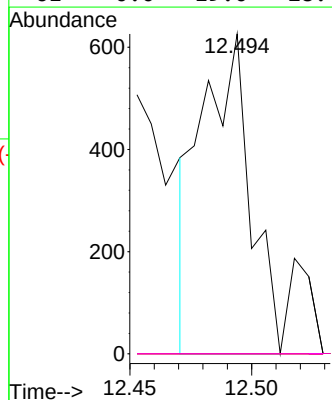
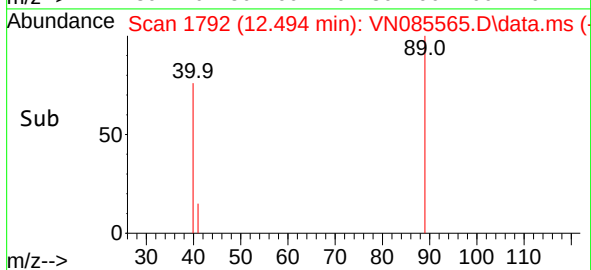
Tgt Ion:152 Resp: 110166
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.1 93.3
 150 155.7 0.0 343.6

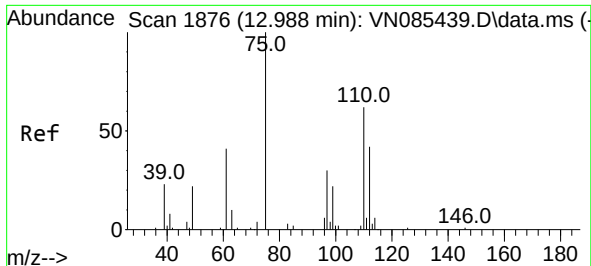


#74
 N-ethyl acetate
 Concen: 0.260 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VN085565.D
 Acq: 29 Jan 2025 18:18



Tgt Ion: 43 Resp: 869
 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#

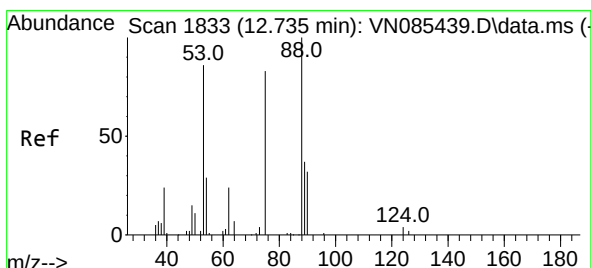
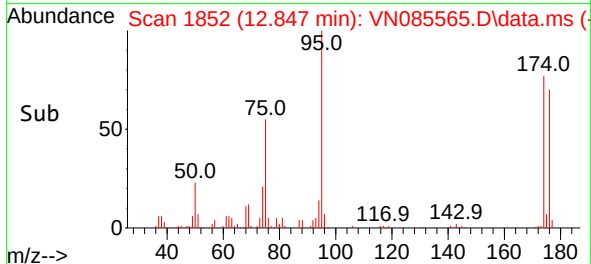
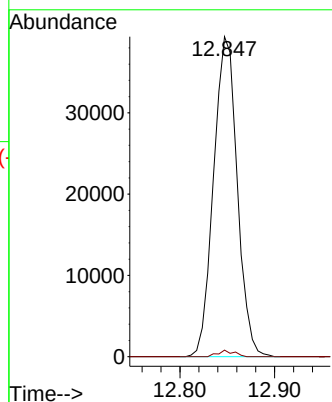
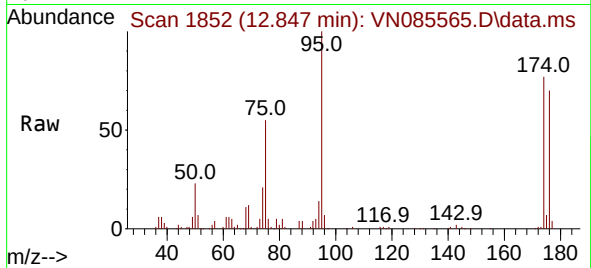




#76
1,2,3-Trichloropropane
Concen: 30.539 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68381
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.625 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085565.D
Acq: 29 Jan 2025 18:18

Tgt Ion: 75 Resp: 68381
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

