

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085635.D
 Acq On : 03 Feb 2025 20:25
 Operator : JC\MD
 Sample : Q1216-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:00:42 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)

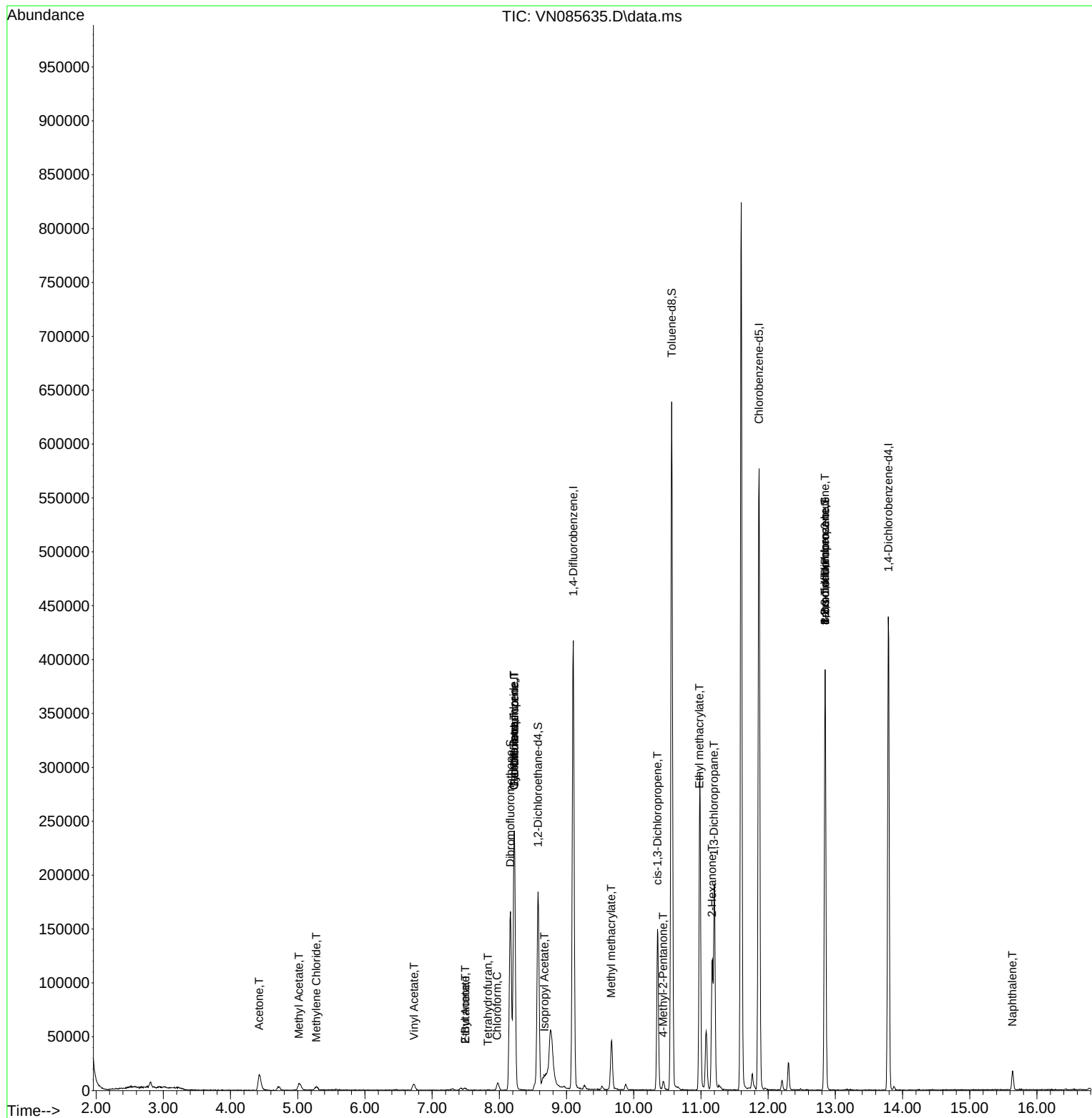
Internal Standards						
1) Pentafluorobenzene	8.224	168	167923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	351942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146320	53.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.960%			
35) Dibromofluoromethane	8.165	113	119045	48.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.520%			
50) Toluene-d8	10.565	98	437973	50.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.847	95	129683	43.701	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.400%			
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	28450	32.484	ug/l	97
18) Methyl Acetate	5.018	43	13644	5.123	ug/l	98
20) Methylene Chloride	5.277	84	2450	1.130	ug/l #	87
23) Vinyl Acetate	6.730	43	993	0.219	ug/l #	72
25) 2-Butanone	7.494	43	3599	2.792	ug/l #	88
29) Tetrahydrofuran	7.830	42	182	0.223	ug/l #	34
30) Chloroform	7.965	83	1824	0.446	ug/l	90
31) Cyclohexane	8.218	56	4593	1.335	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	15922	4.646	ug/l #	50
37) Ethyl Acetate	7.494	43	3599	1.041	ug/l #	70
38) Carbon Tetrachloride	8.218	117	18477	4.710	ug/l #	16
43) Isopropyl Acetate	8.671	43	10992	1.983	ug/l #	55
48) Methyl methacrylate	9.665	41	2930	1.175	ug/l #	47
51) 4-Methyl-2-Pentanone	10.435	43	6440	2.002	ug/l	90
54) cis-1,3-Dichloropropene	10.353	75	25602	6.560	ug/l #	66
56) Ethyl methacrylate	10.977	69	2385	2.508	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	1825	0.445	ug/l #	43
59) 2-Hexanone	11.165	43	110699	48.918	ug/l #	26
71) Bromoform	12.847	173	1072	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68963	28.984	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68963	78.418	ug/l #	3
95) Naphthalene	15.635	128	17039	3.240	ug/l	98

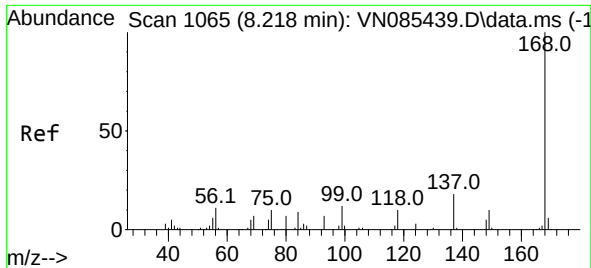
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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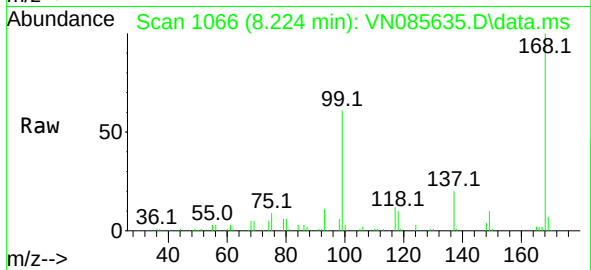
Quant Time: Feb 04 01:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



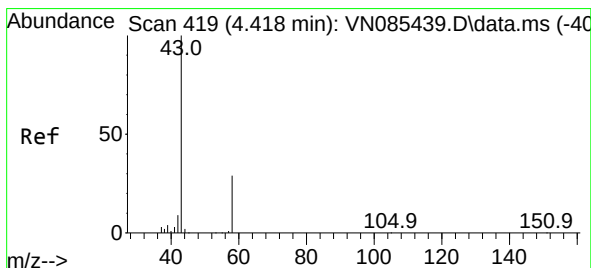
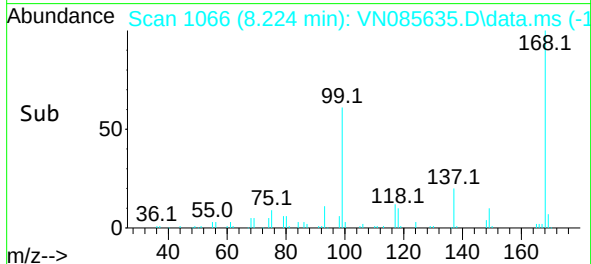
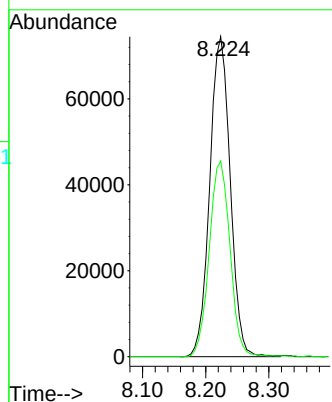


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Instrument :
MSVOA_N
ClientSampleId :

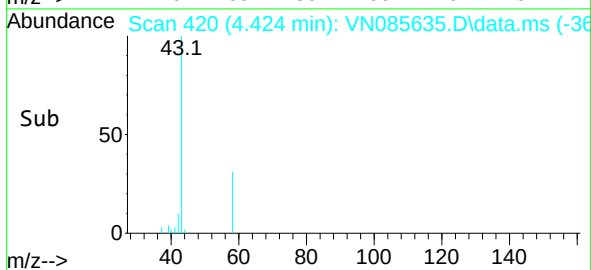
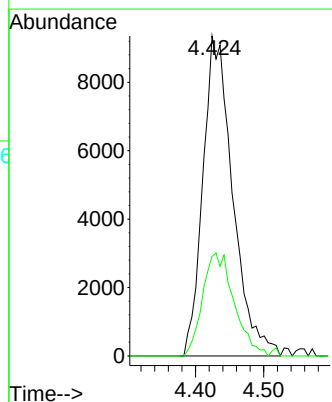
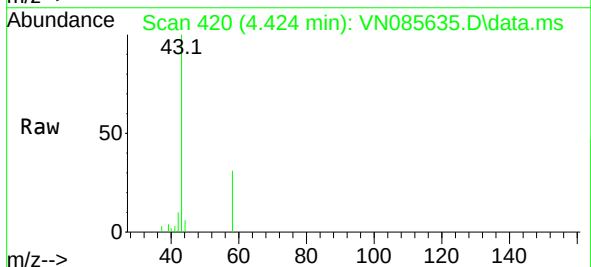


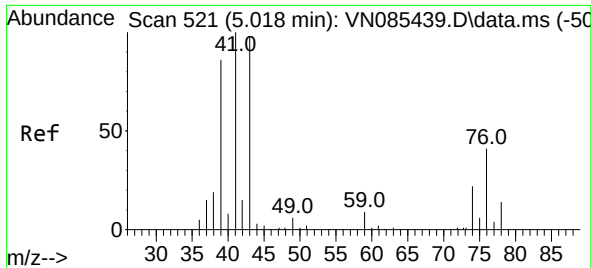
Tgt Ion:168 Resp: 167923
Ion Ratio Lower Upper
168 100
99 61.1 53.6 80.4



#16
Acetone
Concen: 32.484 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

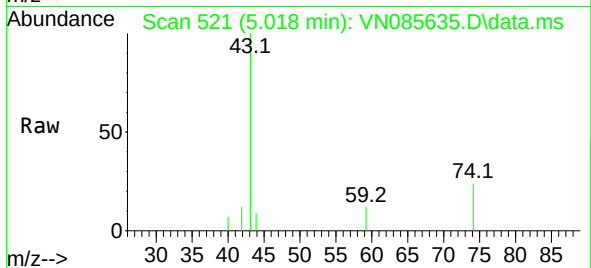
Tgt Ion: 43 Resp: 28450
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.6



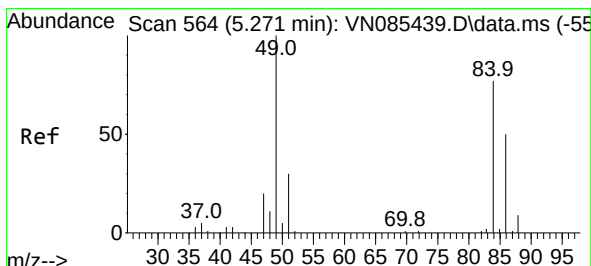
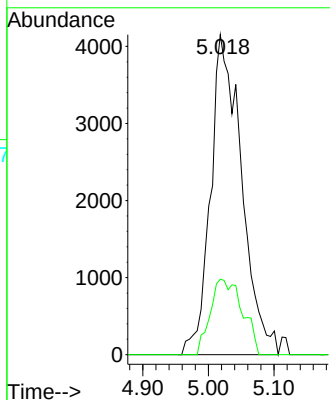
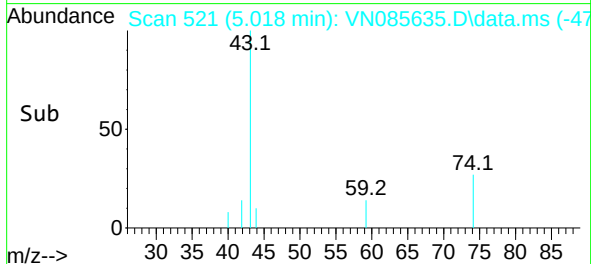


#18
Methyl Acetate
Concen: 5.123 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

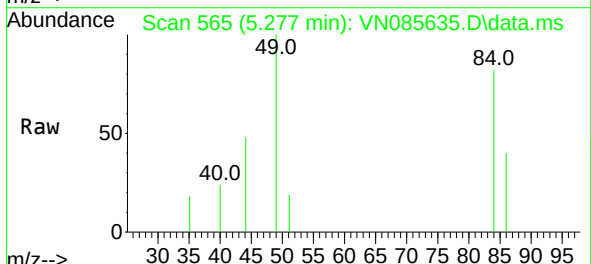
Instrument :
MSVOA_N
ClientSampleId :



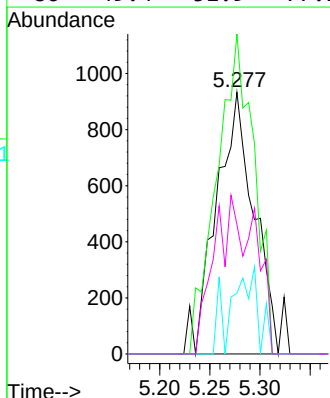
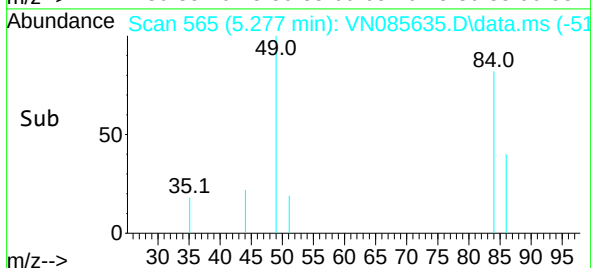
Tgt Ion: 43 Resp: 13644
Ion Ratio Lower Upper
43 100
74 24.3 18.6 28.0

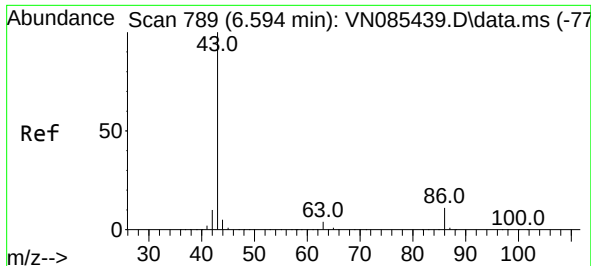


#20
Methylene Chloride
Concen: 1.130 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25



Tgt Ion: 84 Resp: 2450
Ion Ratio Lower Upper
84 100
49 122.3 104.1 156.1
51 23.3 31.0 46.4#
86 49.4 51.9 77.9#

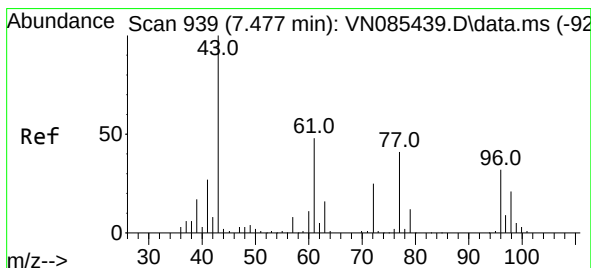
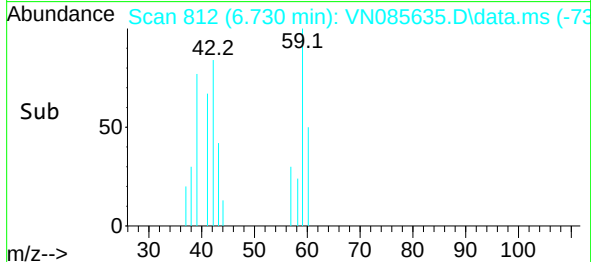
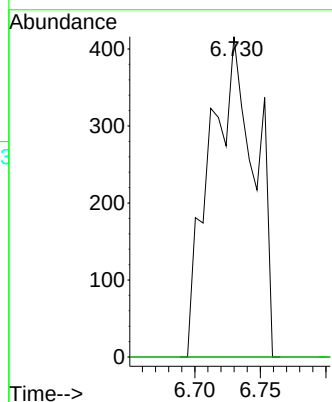
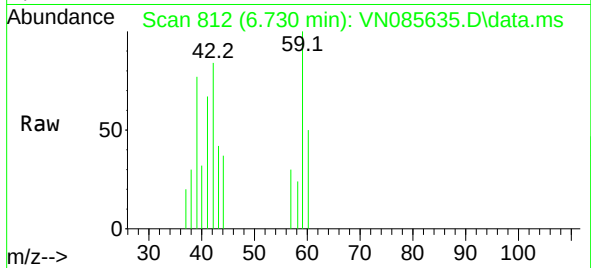




#23
Vinyl Acetate
Concen: 0.219 ug/l
RT: 6.730 min Scan# 81
Delta R.T. 0.135 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

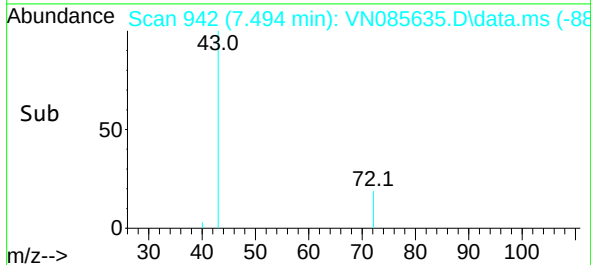
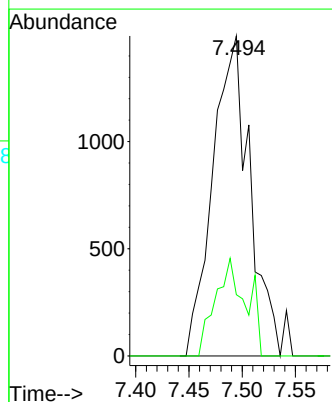
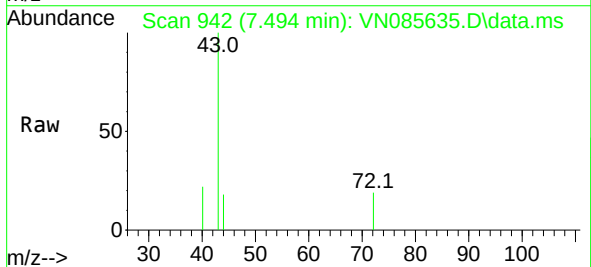
Instrument :
MSVOA_N
ClientSampleId :

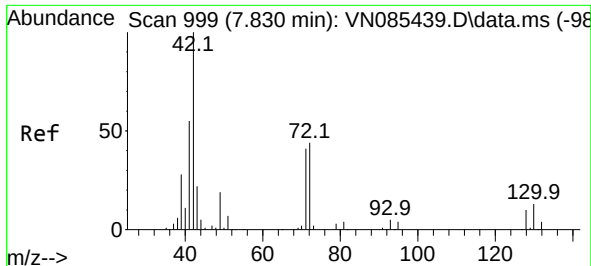
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
86 0.0 8.4 12.6#



#25
2-Butanone
Concen: 2.792 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
72 19.2 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.830 min Scan# 999

Delta R.T. 0.000 min

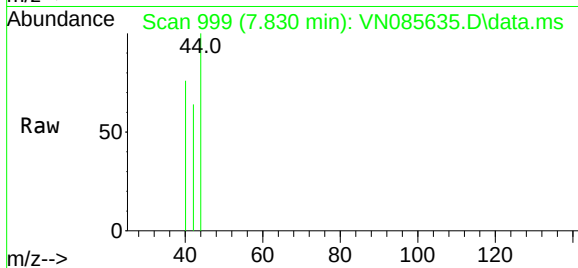
Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

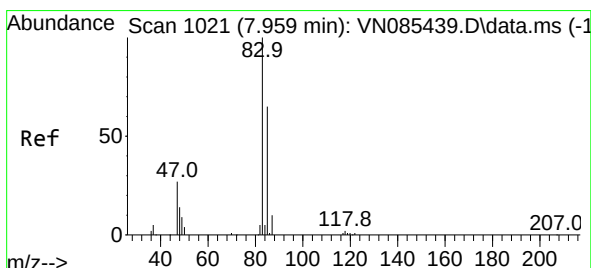
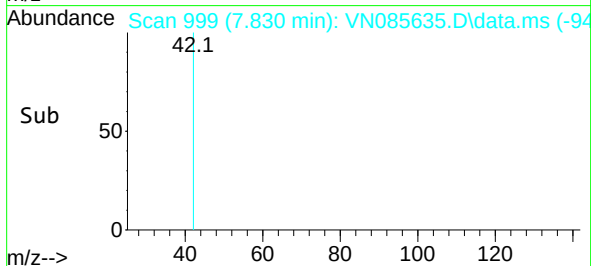
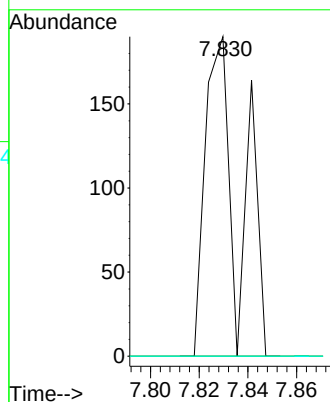
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	182
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.446 ug/l

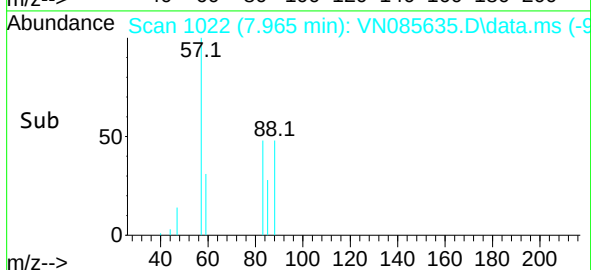
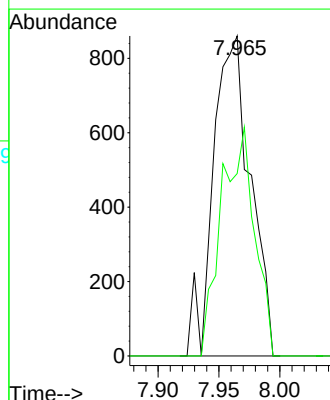
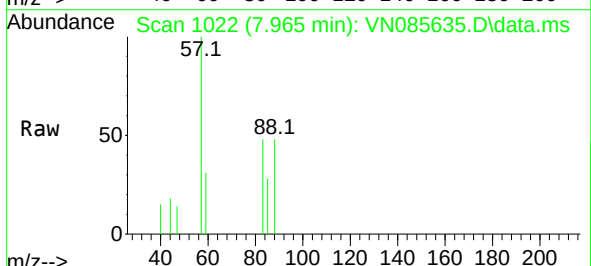
RT: 7.965 min Scan# 1022

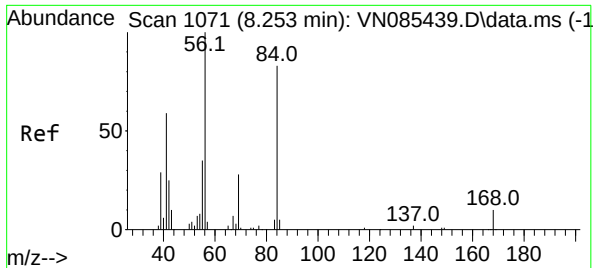
Delta R.T. 0.006 min

Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

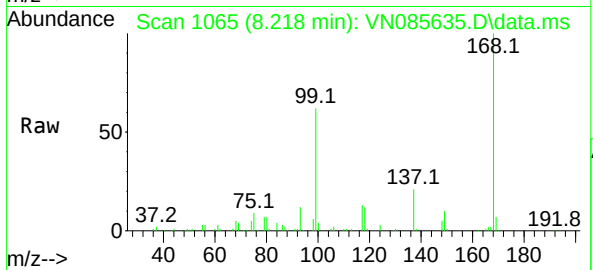
Tgt Ion:	83	Resp:	1824
Ion	Ratio	Lower	Upper
83	100		
85	57.0	51.8	77.6



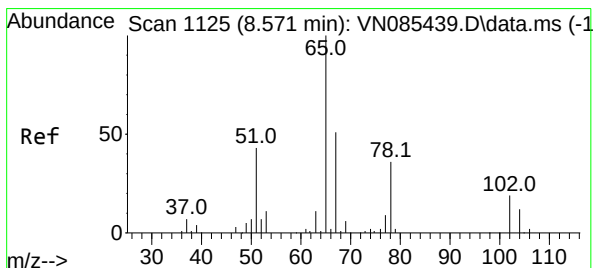
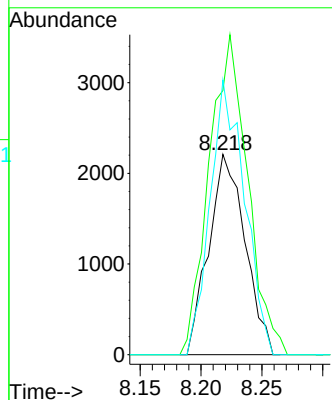
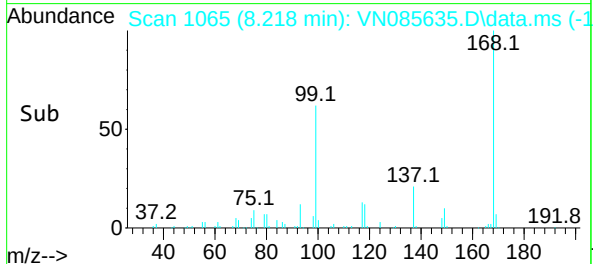


#31
Cyclohexane
Concen: 1.335 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Instrument :
MSVOA_N
ClientSampleId :

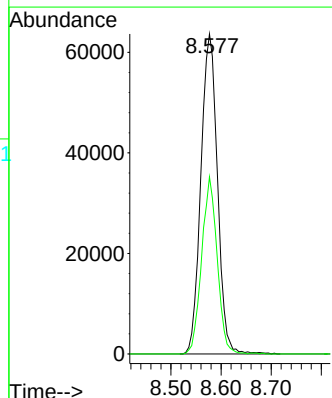
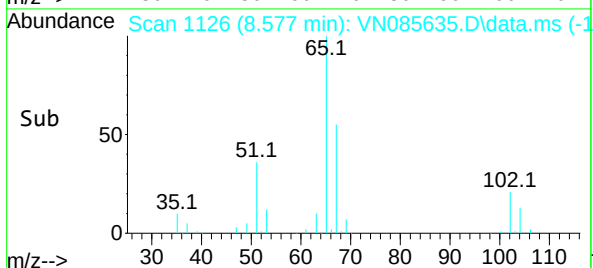
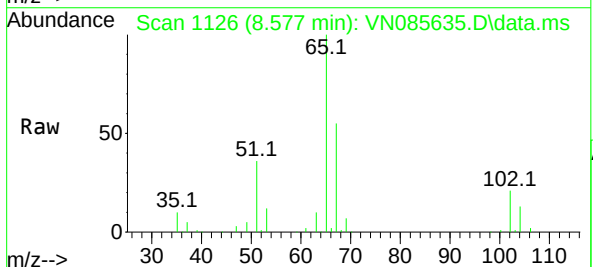


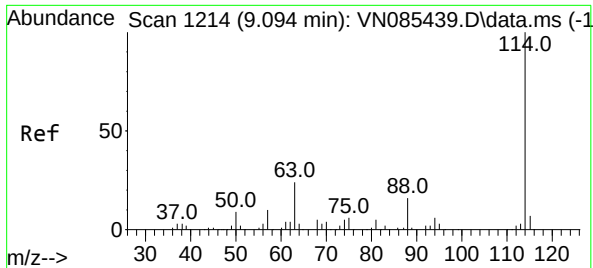
Tgt Ion: 56 Resp: 4593
Ion Ratio Lower Upper
56 100
69 131.9 22.2 33.4#
84 137.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.980 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 65 Resp: 146320
Ion Ratio Lower Upper
65 100
67 51.8 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: VN085635.D

Acq: 03 Feb 2025 20:25

Instrument :

MSVOA_N

ClientSampleId :

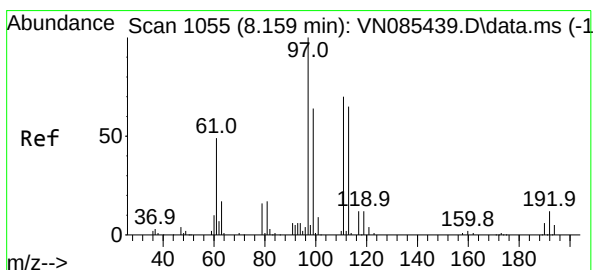
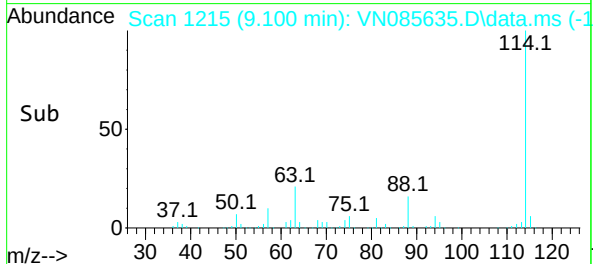
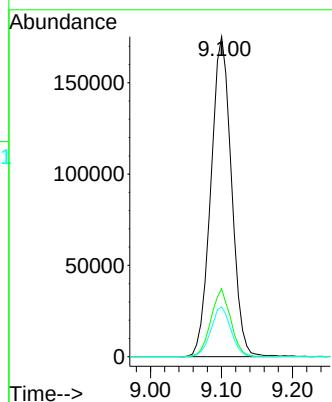
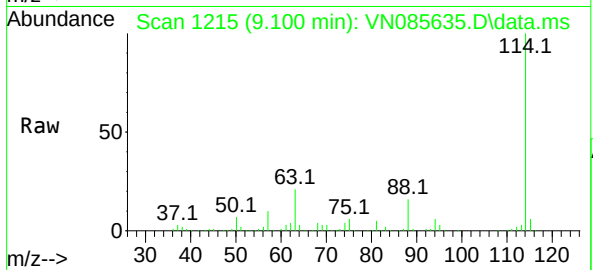
Tgt Ion:114 Resp: 351942

Ion Ratio Lower Upper

114 100

63 21.2 0.0 47.6

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.757 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

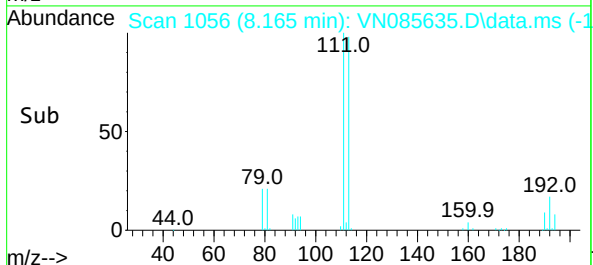
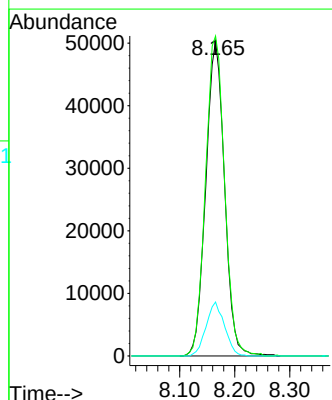
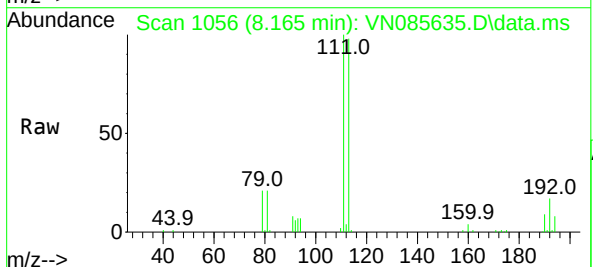
Tgt Ion:113 Resp: 119045

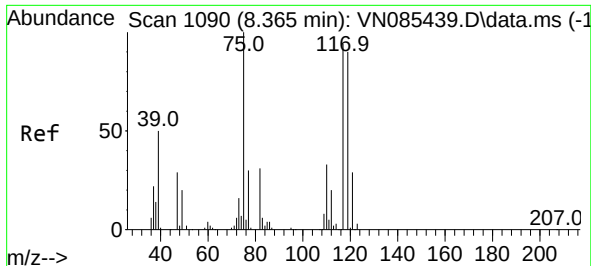
Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.646 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

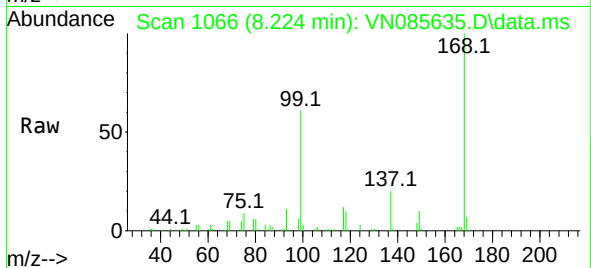
Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

Instrument :

MSVOA_N

ClientSampleId :



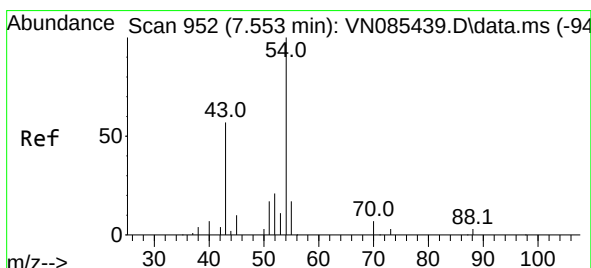
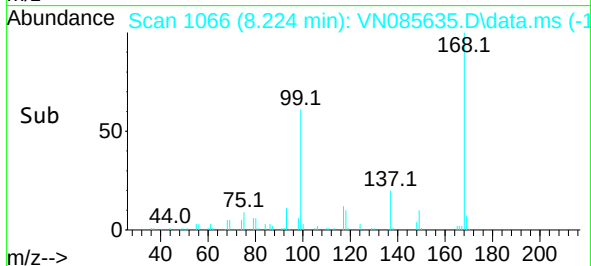
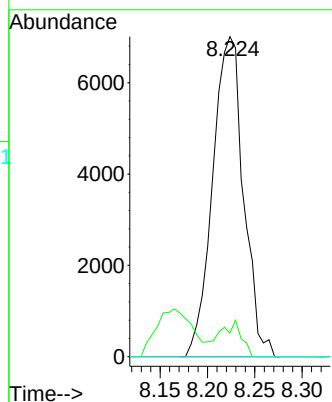
Tgt Ion: 75 Resp: 15922

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.041 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.059 min

Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

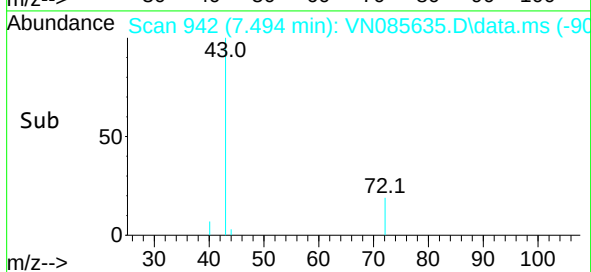
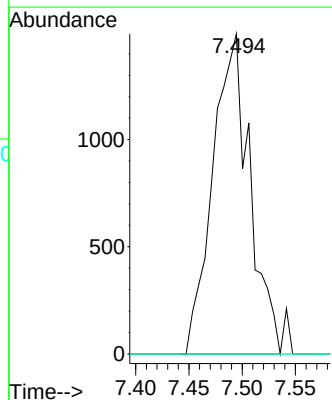
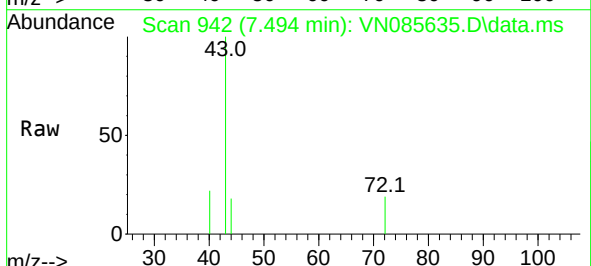
Tgt Ion: 43 Resp: 3599

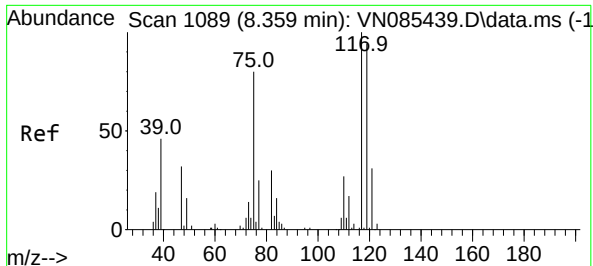
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

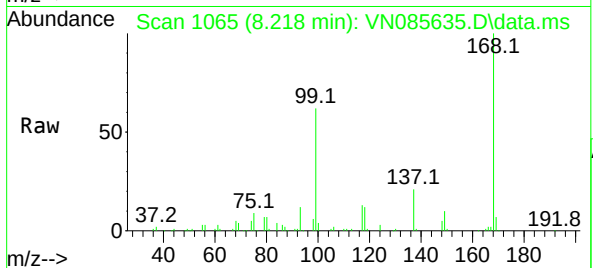
70 0.0 7.5 11.3#



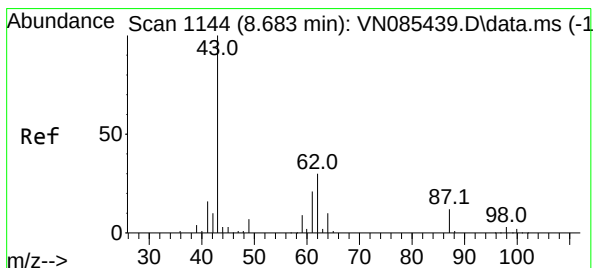
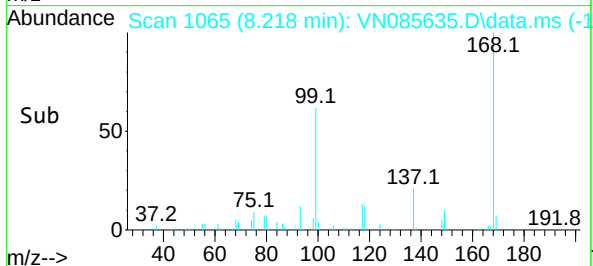
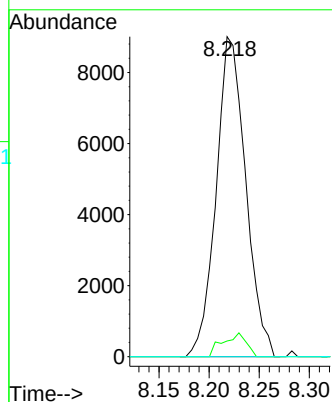


#38
Carbon Tetrachloride
Concen: 4.710 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Instrument :
MSVOA_N
ClientSampleId :

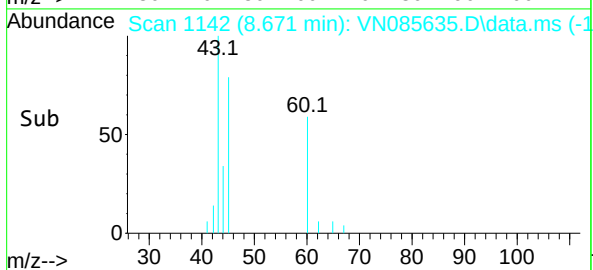
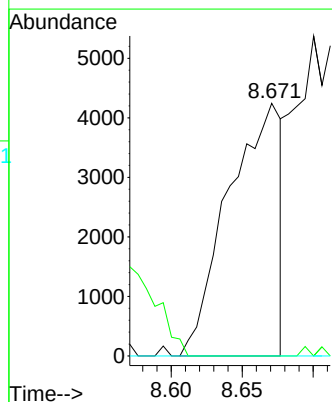
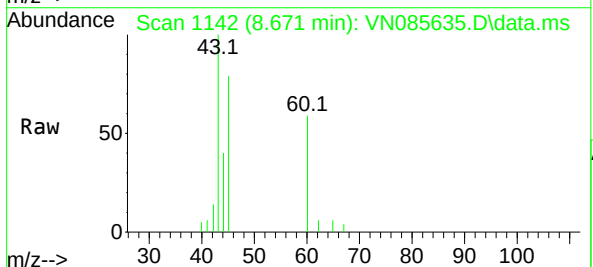


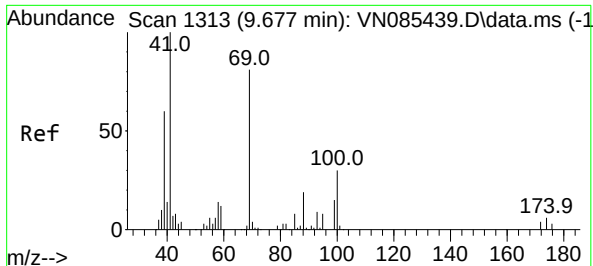
Tgt Ion:117 Resp: 18477
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.983 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 43 Resp: 10992
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

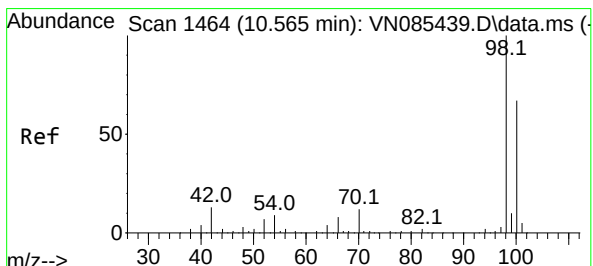
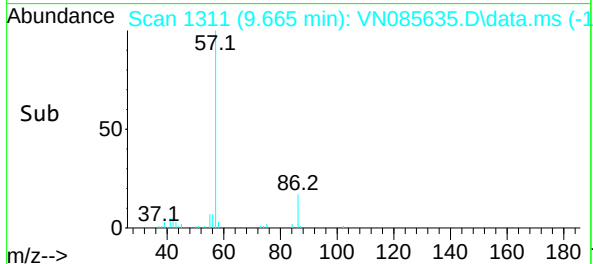
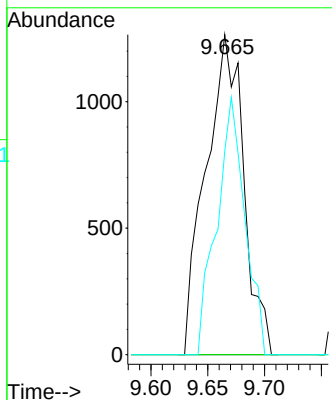
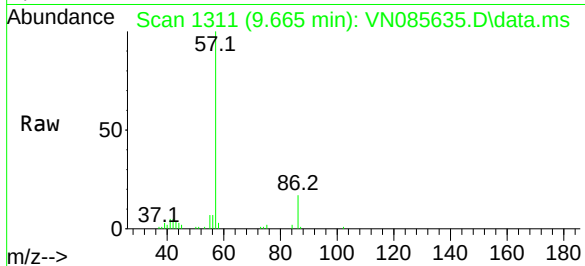




#48
Methyl methacrylate
Concen: 1.175 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

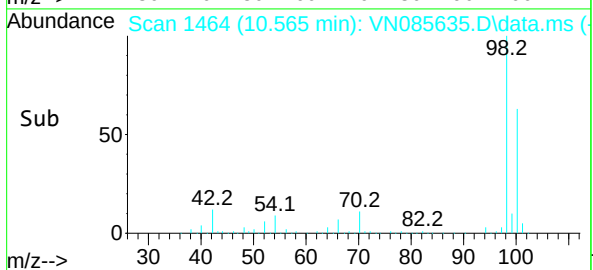
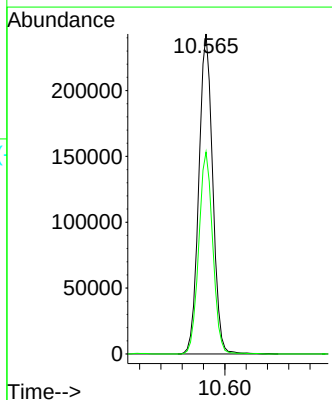
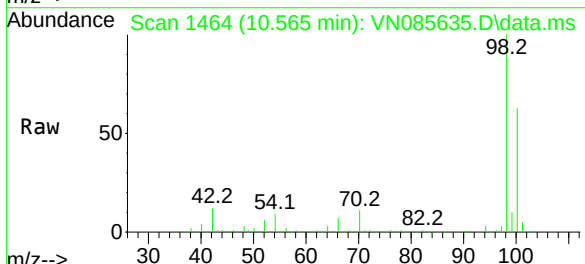
Instrument :
MSVOA_N
ClientSampleId :

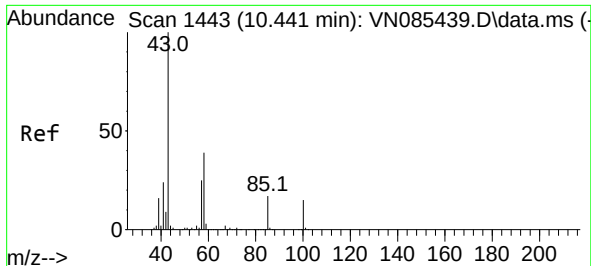
Tgt Ion: 41 Resp: 2930
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 60.1 49.0 73.6



#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

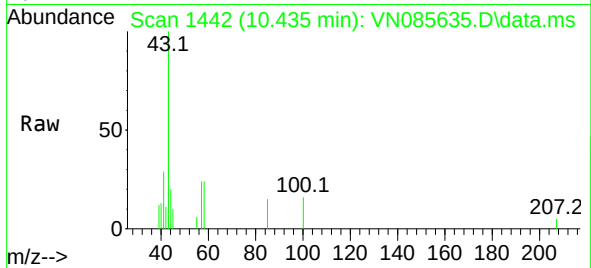
Tgt Ion: 98 Resp: 437973
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4



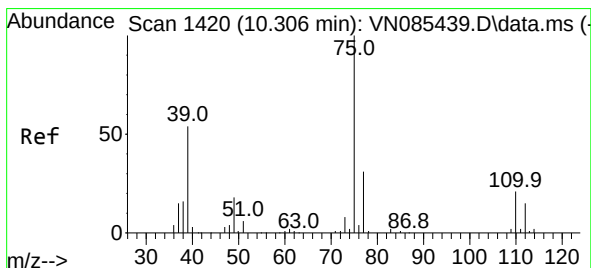
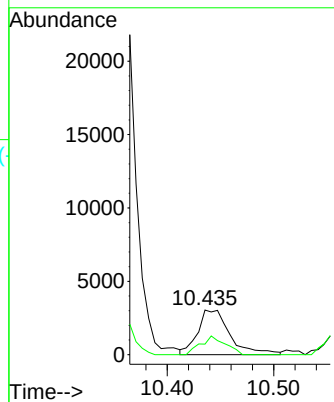
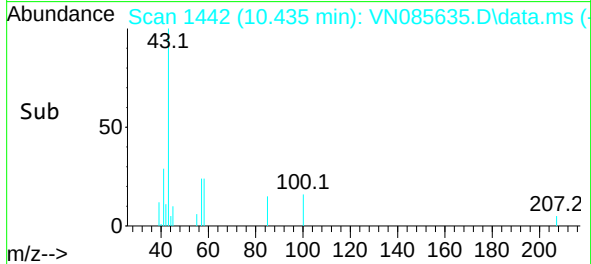


#51
4-Methyl-2-Pentanone
Concen: 2.002 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Instrument :
MSVOA_N
ClientSampleId :

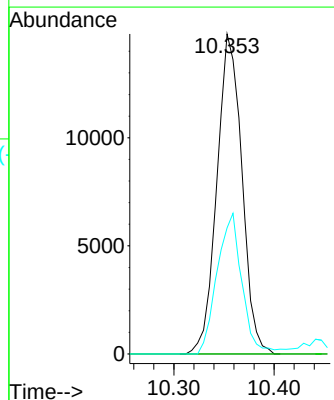
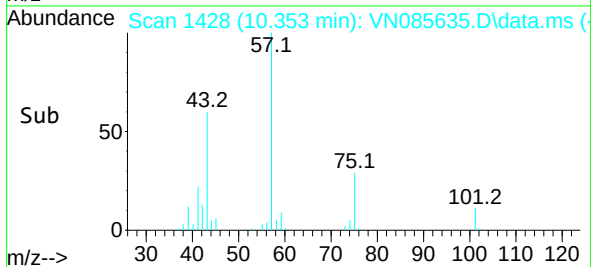
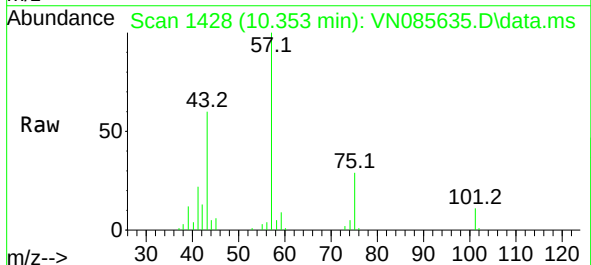


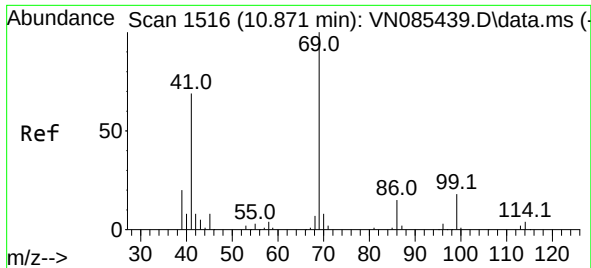
Tgt Ion: 43 Resp: 6440
Ion Ratio Lower Upper
43 100
58 32.0 30.5 45.7



#54
cis-1,3-Dichloropropene
Concen: 6.560 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 75 Resp: 25602
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 39.4 43.1 64.7#

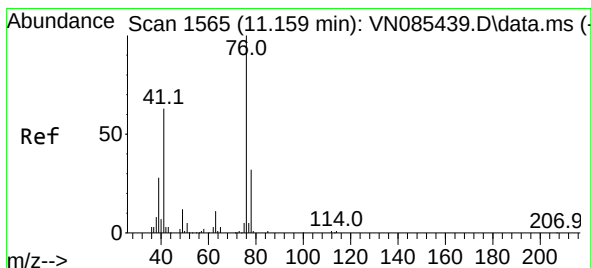
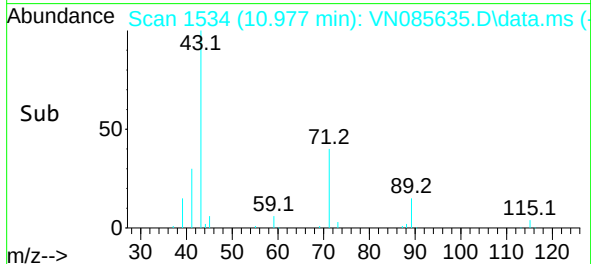
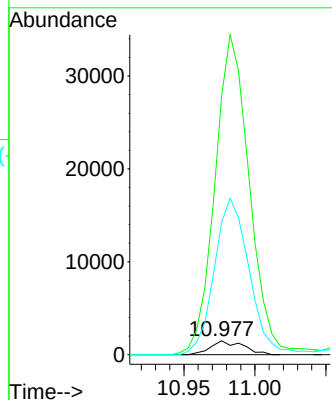
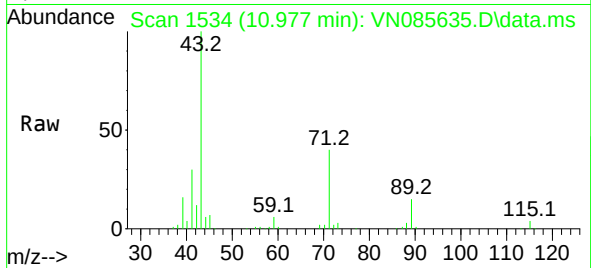




#56
Ethyl methacrylate
Concen: 2.508 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

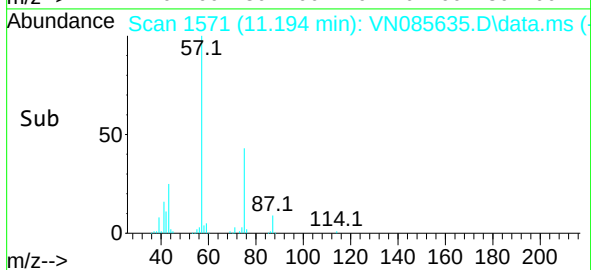
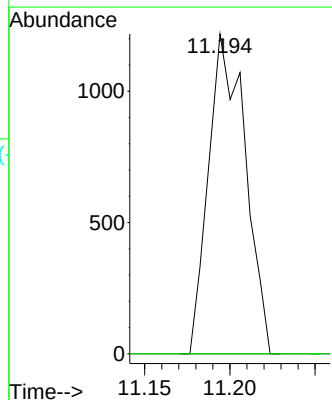
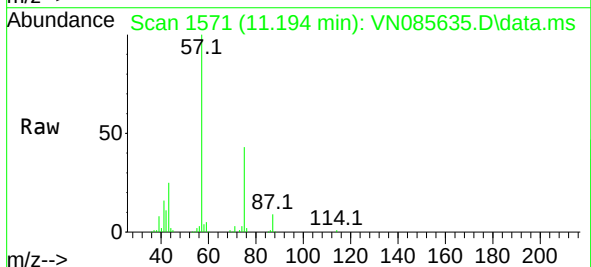
Instrument :
MSVOA_N
ClientSampleId :

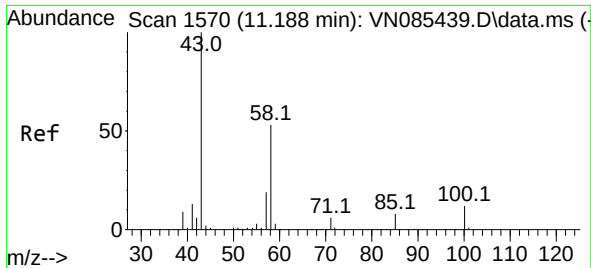
Tgt Ion: 69 Resp: 2385
Ion Ratio Lower Upper
69 100
41 2451.7 54.6 82.0#
39 1211.6 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.445 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 76 Resp: 1825
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

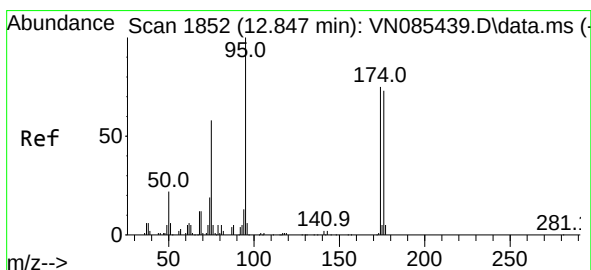
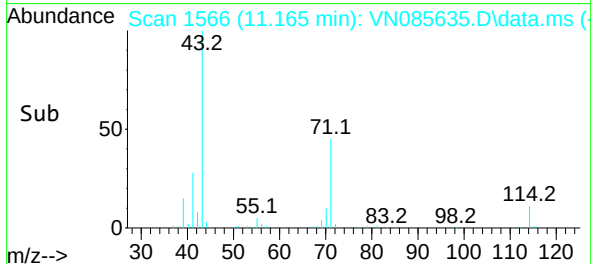
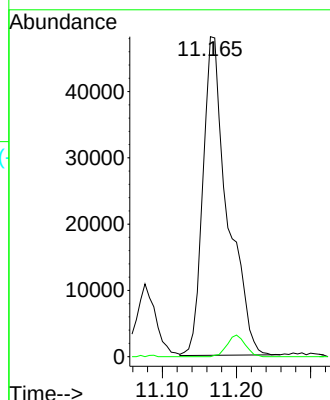
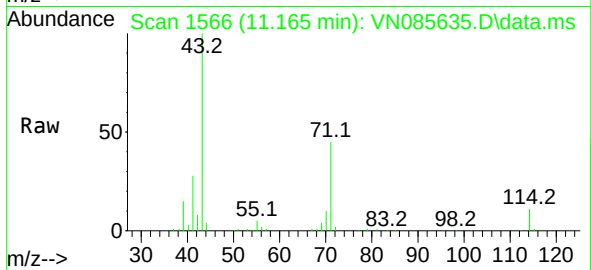




#59
2-Hexanone
Concen: 48.918 ug/l
RT: 11.165 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

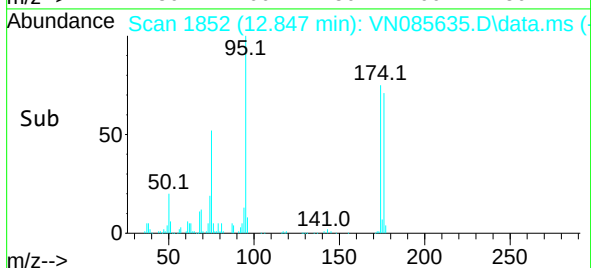
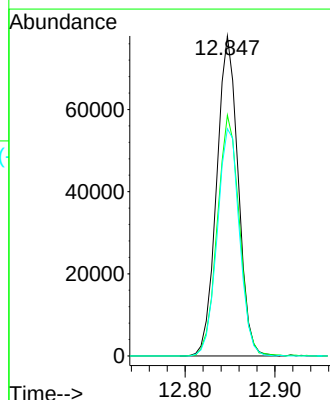
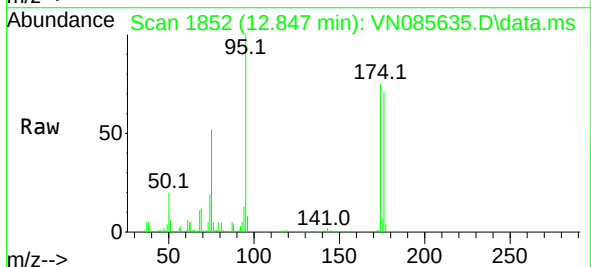
Instrument :
MSVOA_N
ClientSampleId :

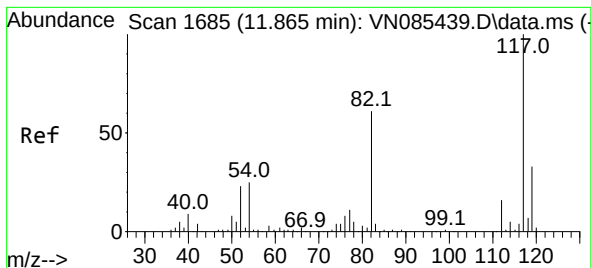
Tgt Ion: 43 Resp: 110699
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.701 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion: 95 Resp: 129683
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 73.1 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

Instrument :

MSVOA_N

ClientSampleId :

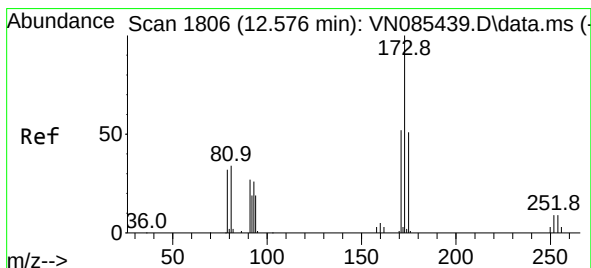
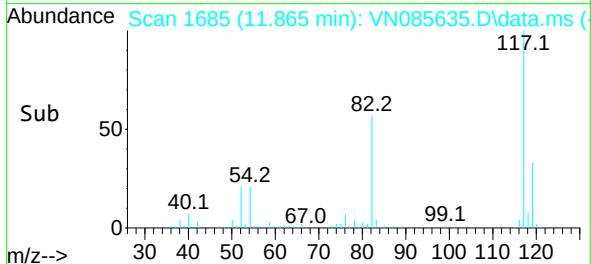
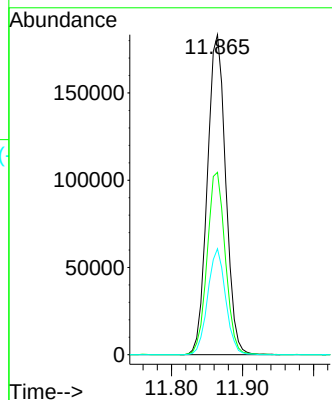
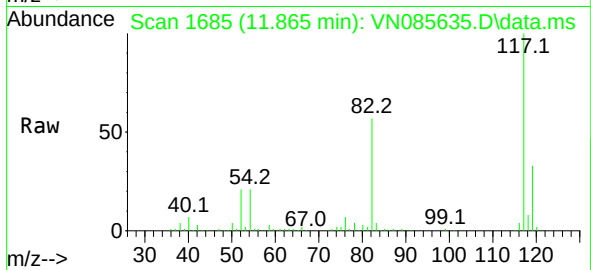
Tgt Ion:117 Resp: 329985

Ion Ratio Lower Upper

117 100

82 57.0 48.6 72.8

119 33.1 26.6 39.8



#71

Bromoform

Concen: 0.565 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN085635.D

Acq: 03 Feb 2025 20:25

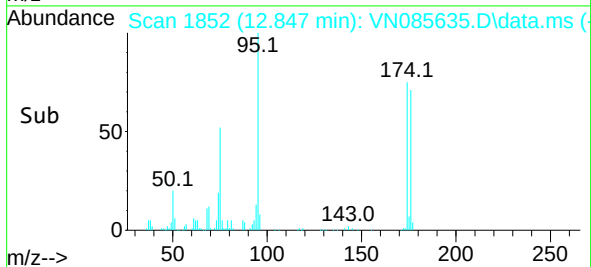
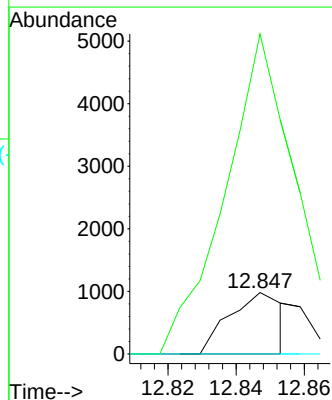
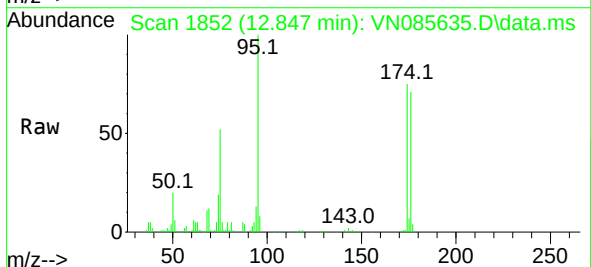
Tgt Ion:173 Resp: 1072

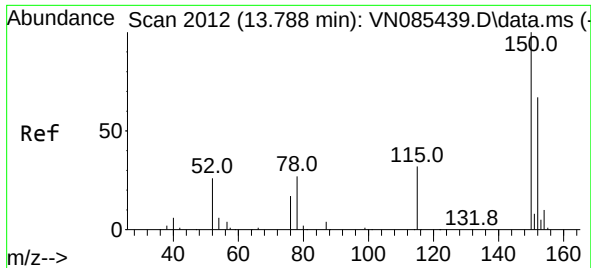
Ion Ratio Lower Upper

173 100

175 545.7 24.4 73.2#

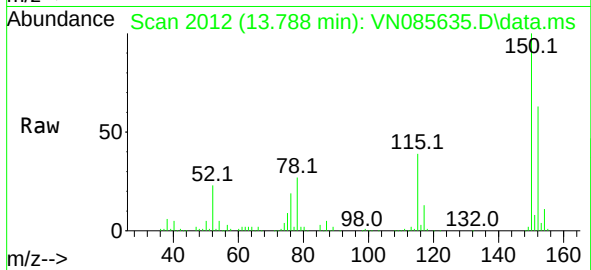
254 0.0 0.0 0.0



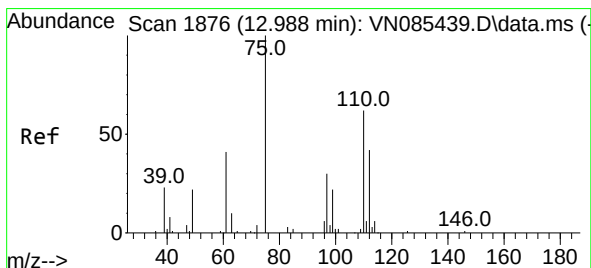
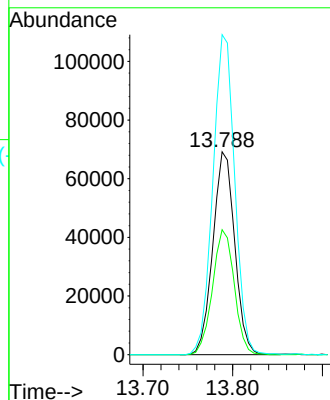
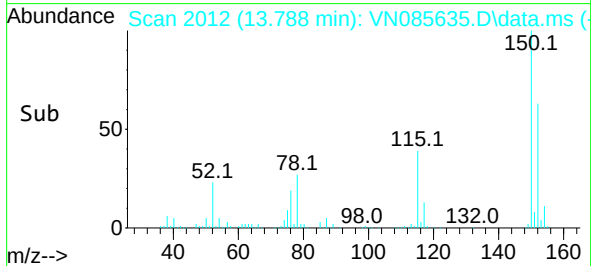


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085635.D
 Acq: 03 Feb 2025 20:25

Instrument :
 MSVOA_N
 ClientSampleId :

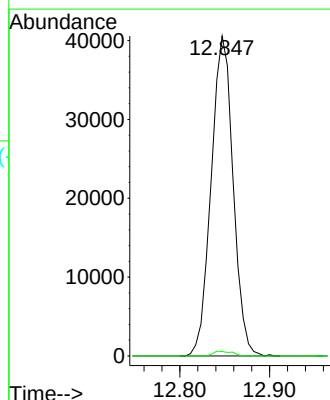
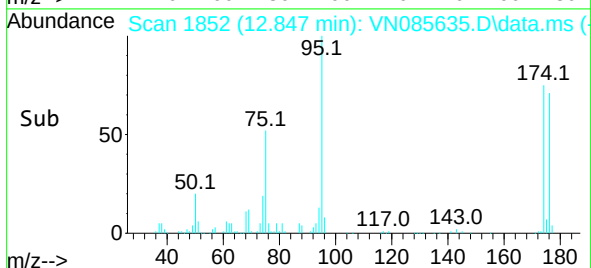
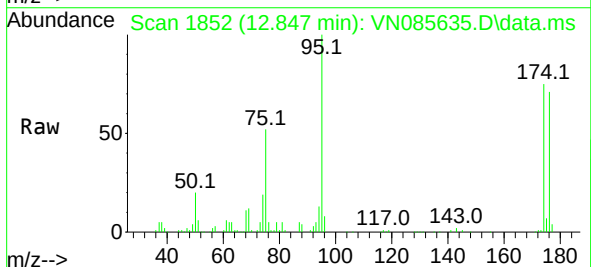


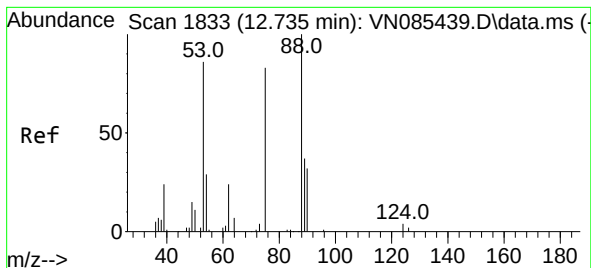
Tgt Ion:152 Resp: 117064
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.1 93.3
 150 157.6 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 28.984 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085635.D
 Acq: 03 Feb 2025 20:25

Tgt Ion: 75 Resp: 68963
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.7 329.2#

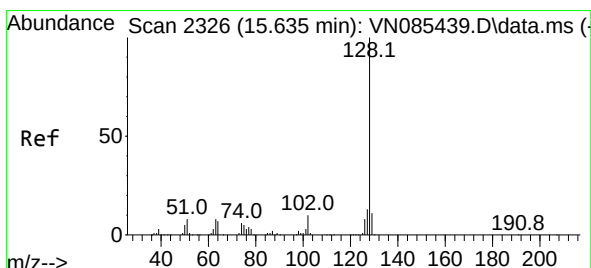
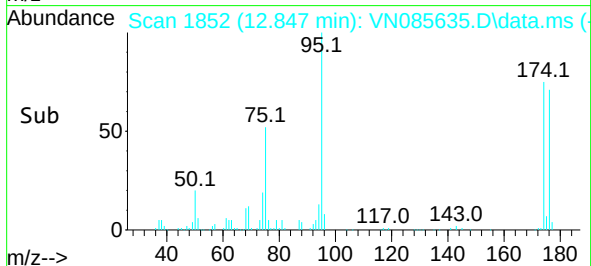
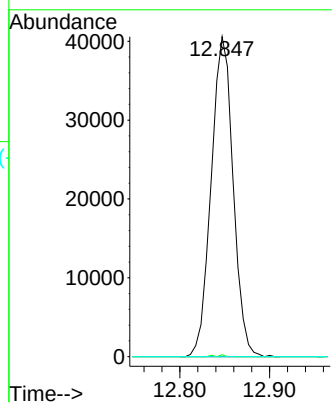
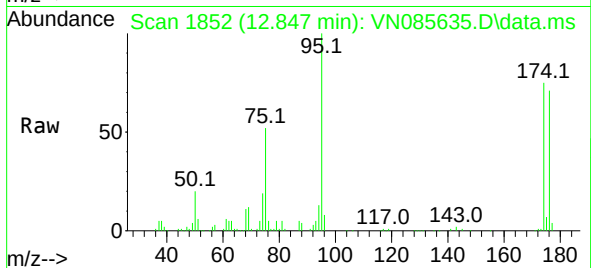




#81
trans-1,4-Dichloro-2-butene
Concen: 78.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68963
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 3.240 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085635.D
Acq: 03 Feb 2025 20:25

Tgt Ion:128 Resp: 17039
Ion Ratio Lower Upper
128 100
127 14.9 10.6 16.0
129 10.9 8.8 13.2

