

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085493.D
 Acq On : 17 Jan 2025 15:12
 Operator : JC\MD
 Sample : PB166090ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

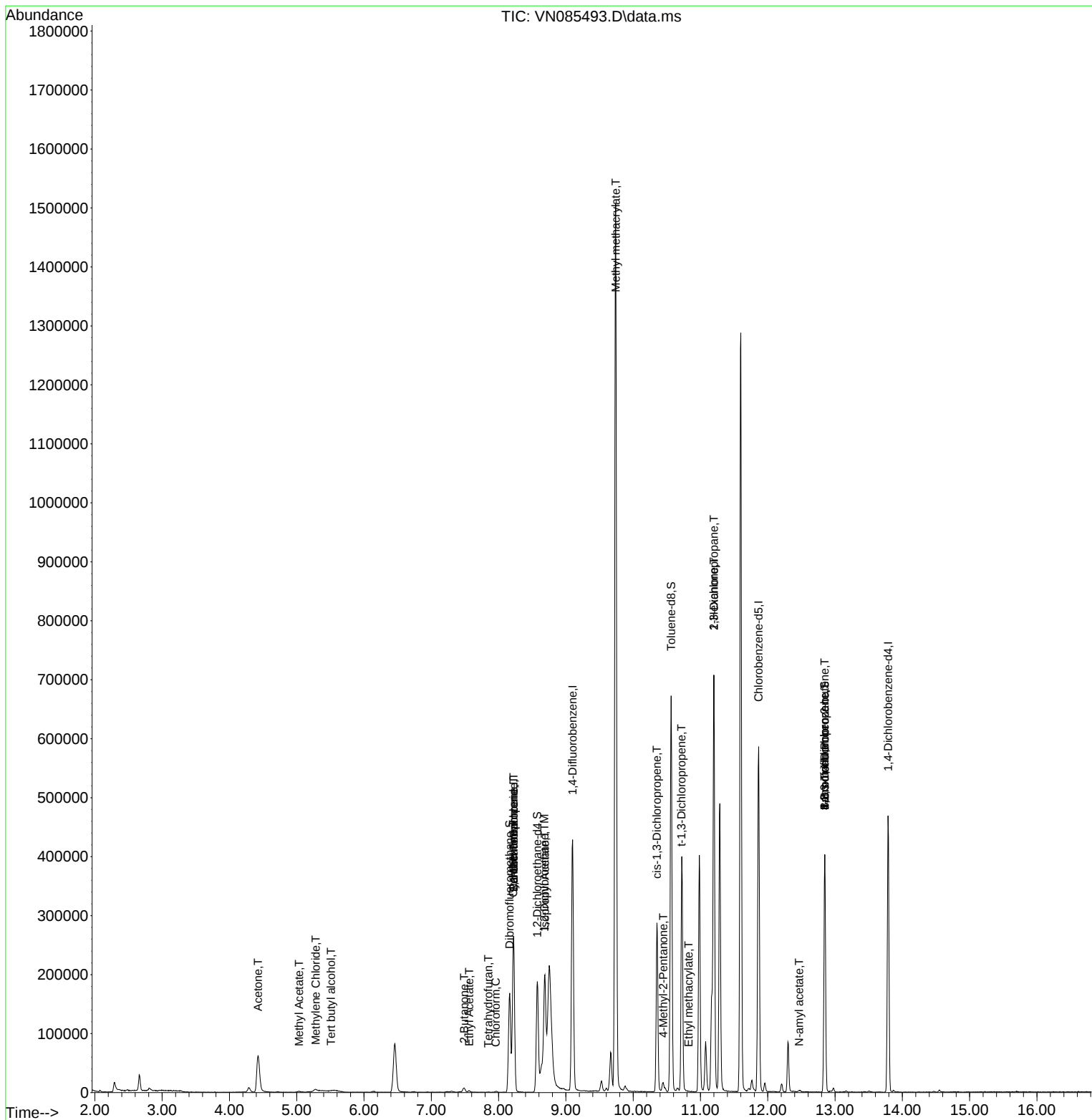
Quant Time: Jan 17 22:36:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

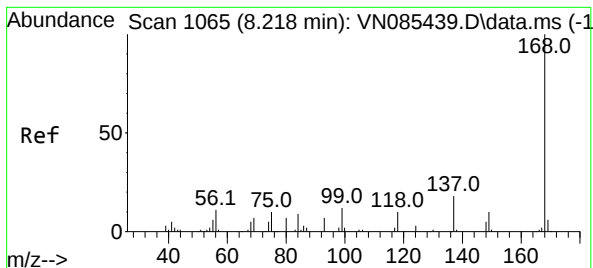
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	178617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159606	55.356	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	8.165	113	117406	47.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%			
50) Toluene-d8	10.565	98	438055	50.334	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.847	95	132123	44.380	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.760%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1633	4.946	ug/l #	71
16) Acetone	4.424	43	123044	132.078	ug/l	100
18) Methyl Acetate	5.036	43	3665	1.294	ug/l #	85
20) Methylene Chloride	5.283	84	2462	1.068	ug/l #	76
25) 2-Butanone	7.488	43	12704	9.267	ug/l	95
29) Tetrahydrofuran	7.847	42	178	0.205	ug/l #	34
30) Chloroform	7.959	83	1637	0.376	ug/l	97
31) Cyclohexane	8.218	56	5061	1.383	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17546	5.104	ug/l #	51
37) Ethyl Acetate	7.565	43	4274	1.232	ug/l #	77
38) Carbon Tetrachloride	8.224	117	19869	5.048	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1124	0.289	ug/l #	76
43) Isopropyl Acetate	8.688	43	268427	48.277	ug/l #	76
48) Methyl methacrylate	9.741	41	145297	58.068	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	15481	4.798	ug/l #	80
53) t-1,3-Dichloropropene	10.718	75	998	0.272	ug/l #	88
54) cis-1,3-Dichloropropene	10.353	75	46072	11.767	ug/l #	71
56) Ethyl methacrylate	10.824	69	133	1.963	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	6355	1.543	ug/l #	43
59) 2-Hexanone	11.200	43	105047	46.272	ug/l #	53
71) Bromoform	12.847	173	1294	0.721	ug/l #	1
74) N-amyl acetate	12.465	43	3330	0.929	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	74757	31.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74757	84.173	ug/l #	3

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

Quant Time: Jan 17 22:36:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
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QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

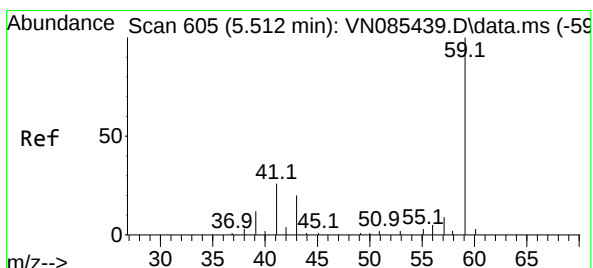
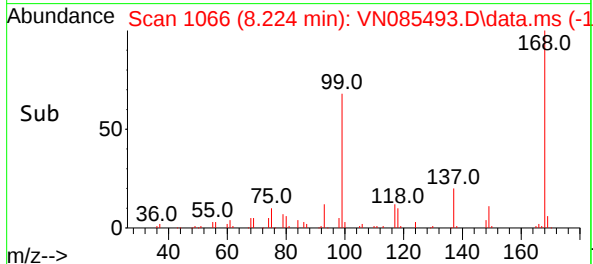
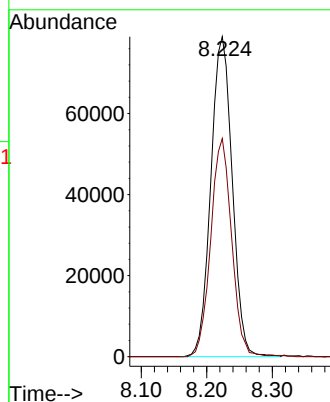
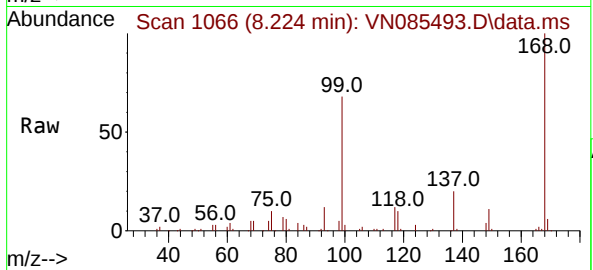




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

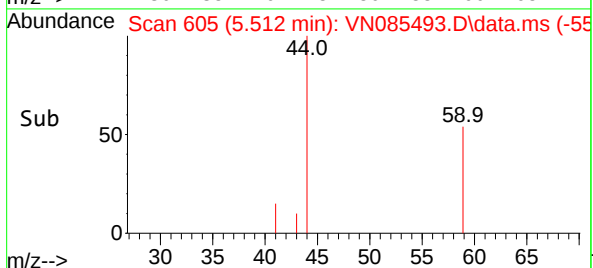
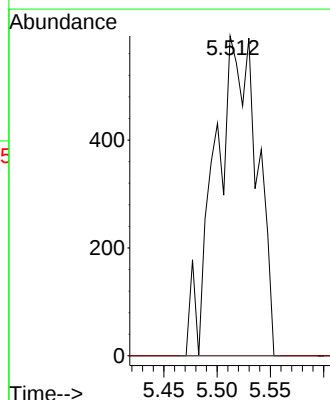
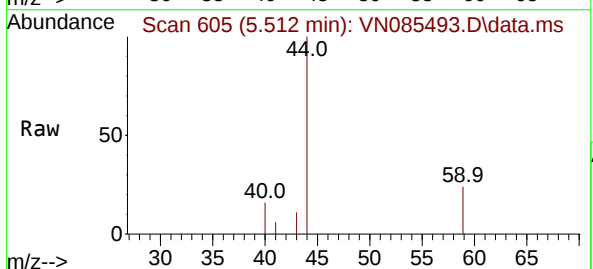
Instrument :
MSVOA_N
ClientSampleId :

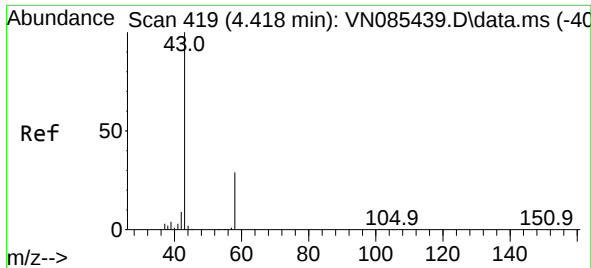
Tgt Ion:168 Resp: 178617
Ion Ratio Lower Upper
168 100
99 68.1 53.6 80.4



#11
Tert butyl alcohol
Concen: 4.946 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 59 Resp: 1633
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

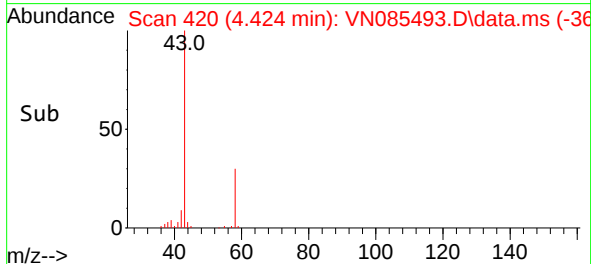
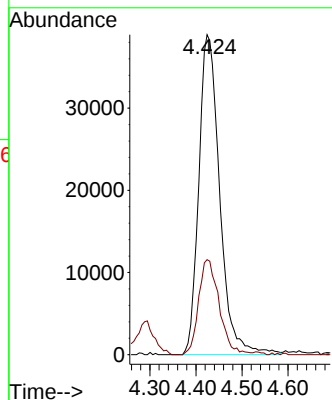
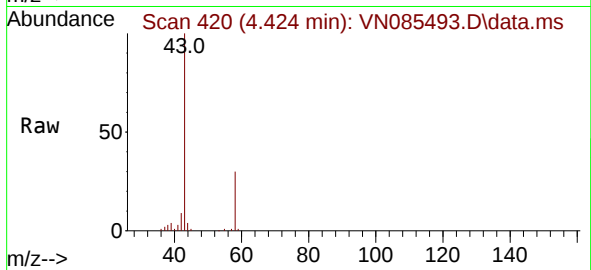




#16
Acetone
Concen: 132.078 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

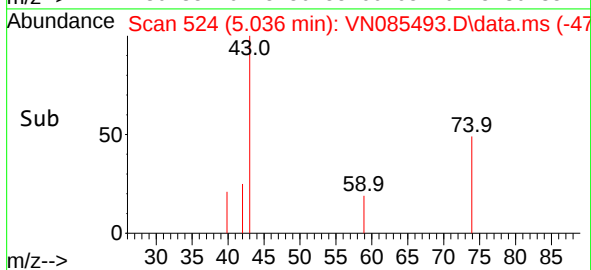
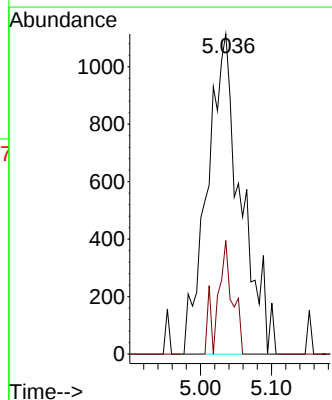
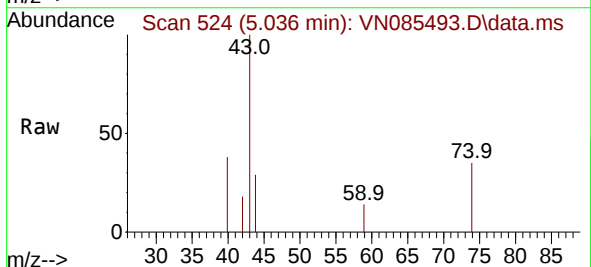
Instrument :
MSVOA_N
ClientSampleId :

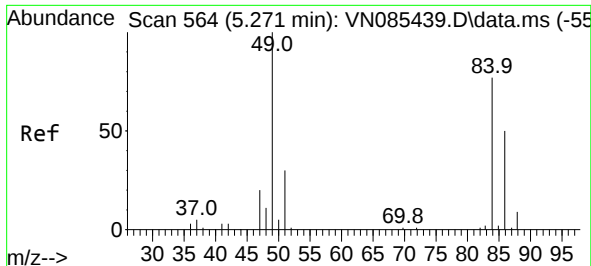
Tgt Ion: 43 Resp: 123044
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6



#18
Methyl Acetate
Concen: 1.294 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

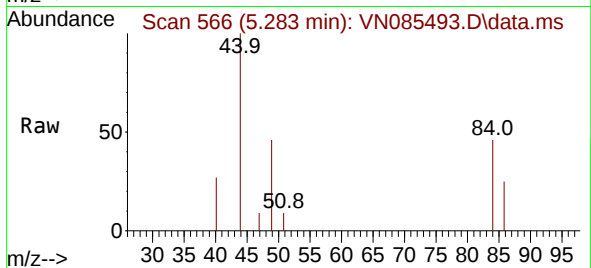
Tgt Ion: 43 Resp: 3665
Ion Ratio Lower Upper
43 100
74 15.8 18.6 28.0#





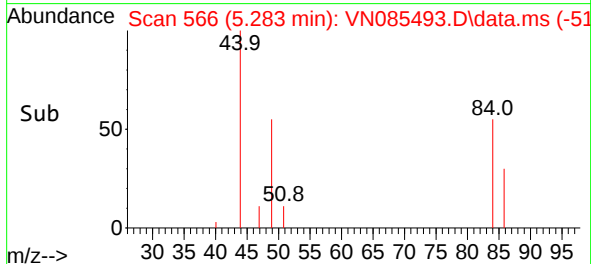
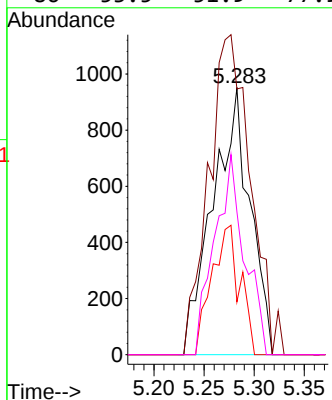
#20
Methylene Chloride
Concen: 1.068 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2462

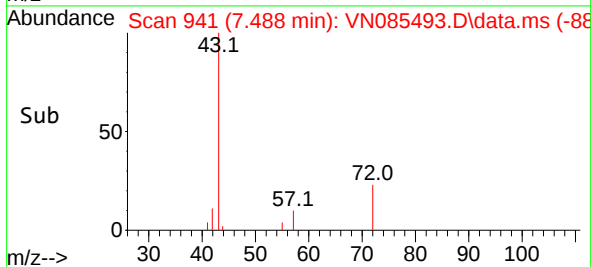
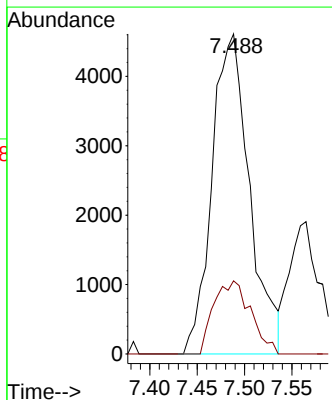
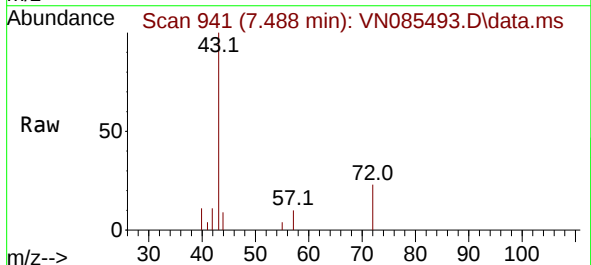
Ion	Ratio	Lower	Upper
84	100		
49	99.5	104.1	156.1#
51	19.7	31.0	46.4#
86	53.5	51.9	77.9

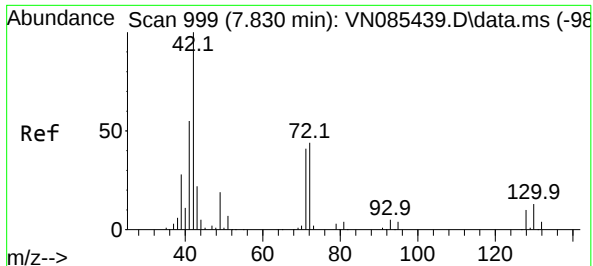


#25
2-Butanone
Concen: 9.267 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 43 Resp: 12704

Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

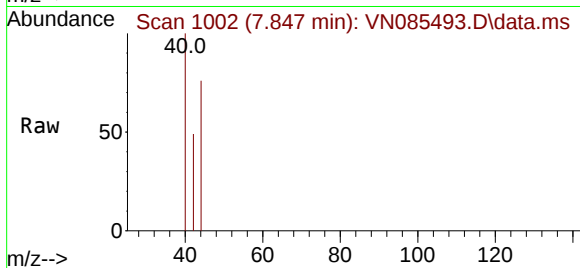
Lab File: VN085493.D

Acq: 17 Jan 2025 15:12

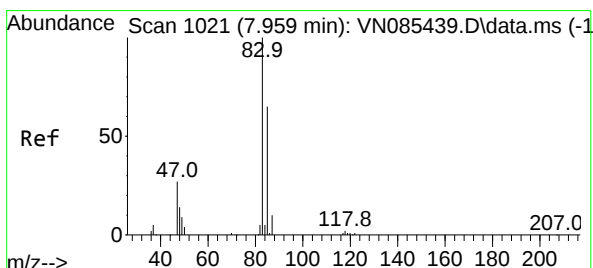
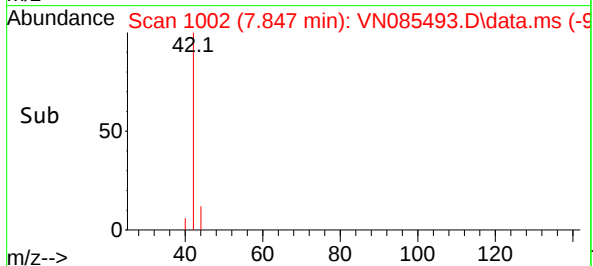
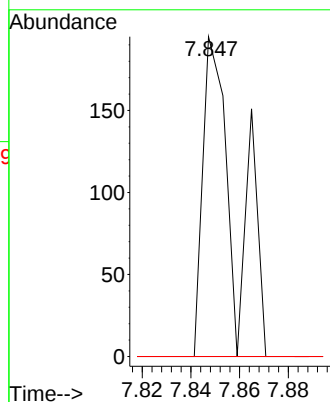
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	178
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.376 ug/l

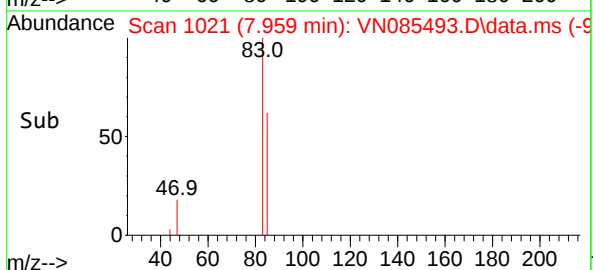
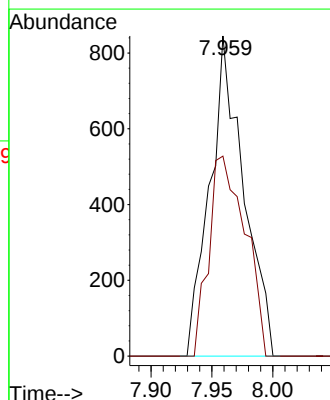
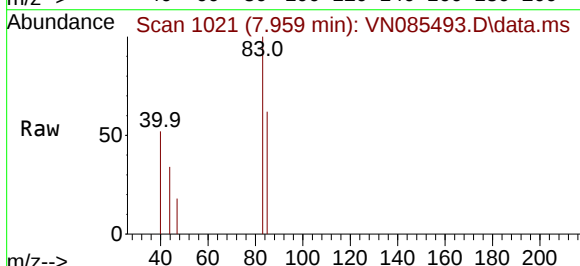
RT: 7.959 min Scan# 1021

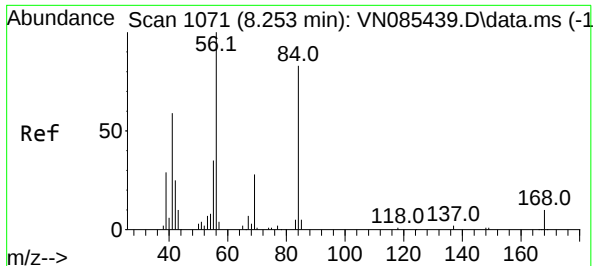
Delta R.T. -0.000 min

Lab File: VN085493.D

Acq: 17 Jan 2025 15:12

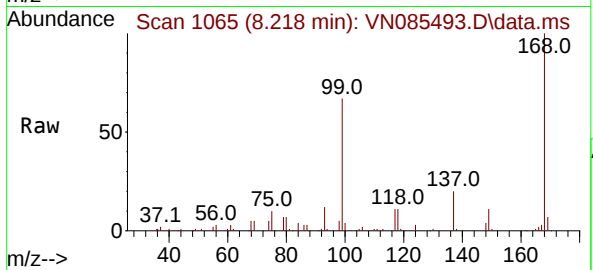
Tgt Ion:	83	Resp:	1637
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.6



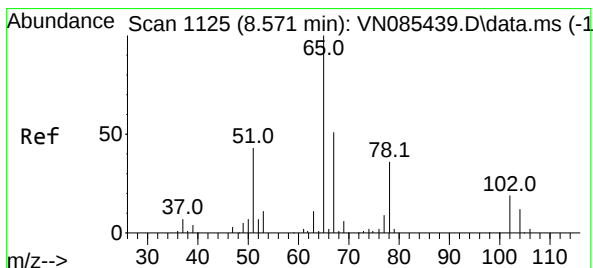
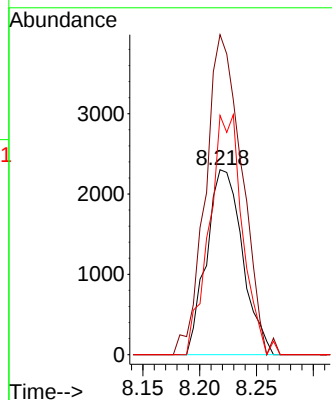
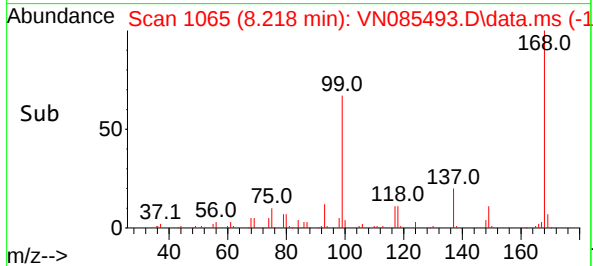


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :

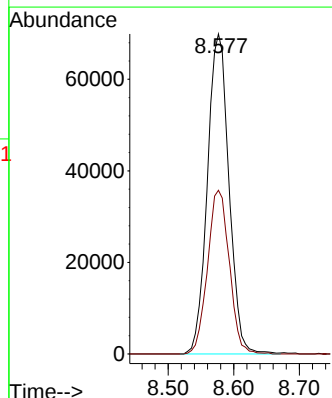
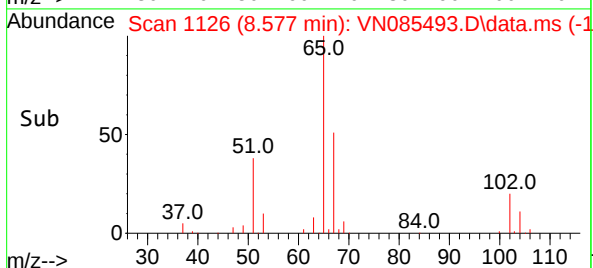
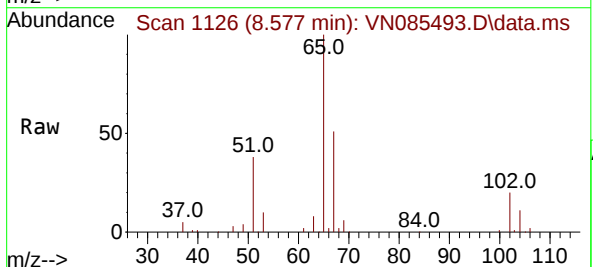


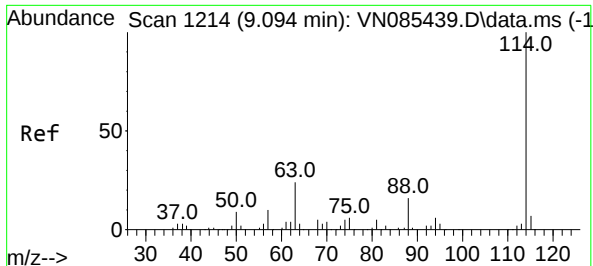
Tgt Ion: 56 Resp: 5061
Ion Ratio Lower Upper
56 100
69 173.0 22.2 33.4#
84 129.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.356 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 65 Resp: 159606
Ion Ratio Lower Upper
65 100
67 51.6 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: VN085493.D

Acq: 17 Jan 2025 15:12

Instrument :

MSVOA_N

ClientSampleId :

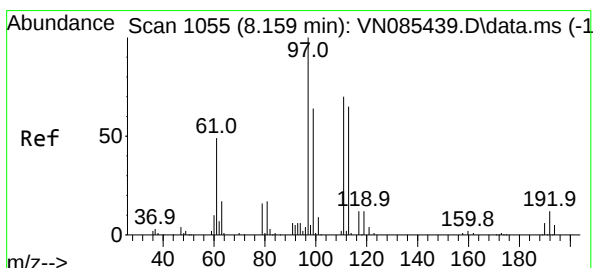
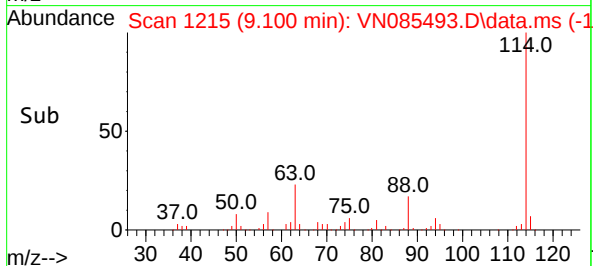
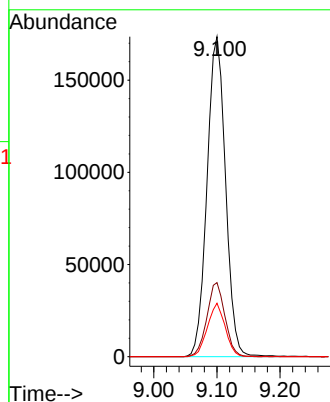
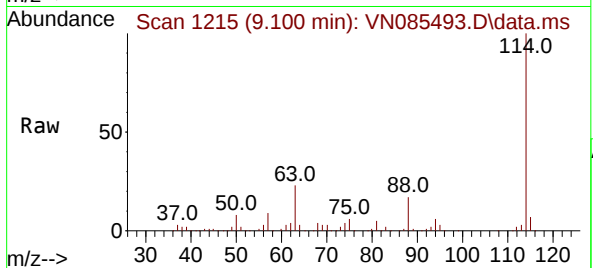
Tgt Ion:114 Resp: 353077

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.6

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.931 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085493.D

Acq: 17 Jan 2025 15:12

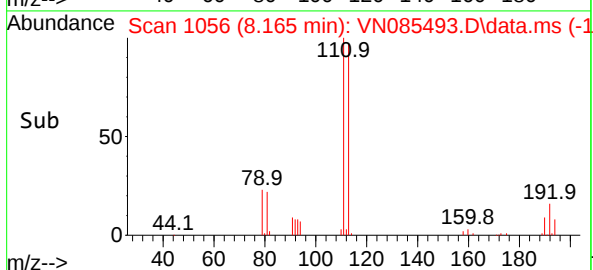
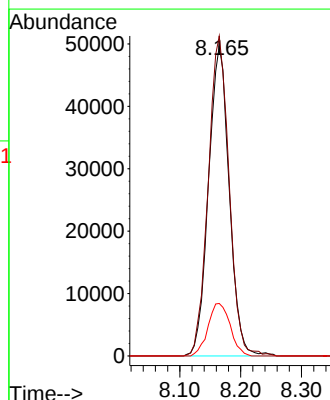
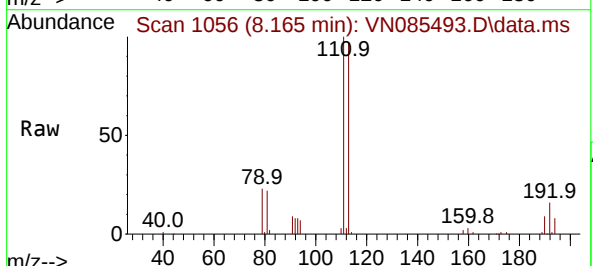
Tgt Ion:113 Resp: 117406

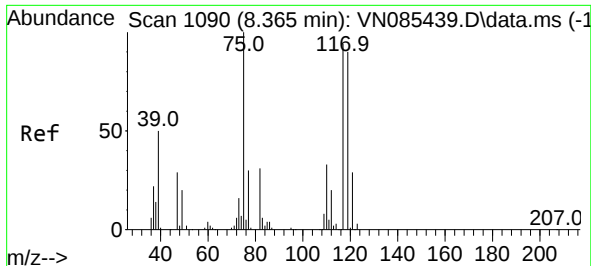
Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

192 18.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

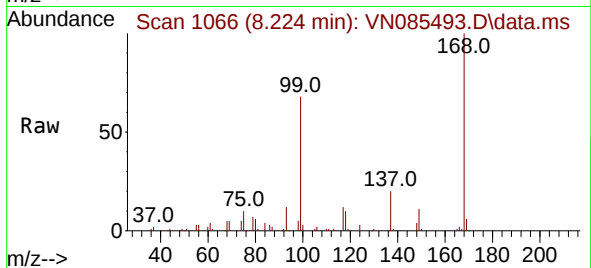
Lab File: VN085493.D

Acq: 17 Jan 2025 15:12

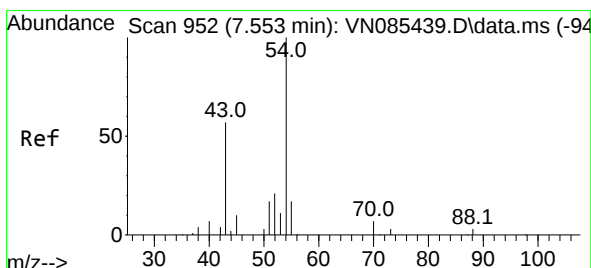
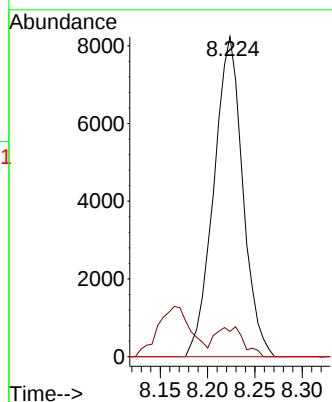
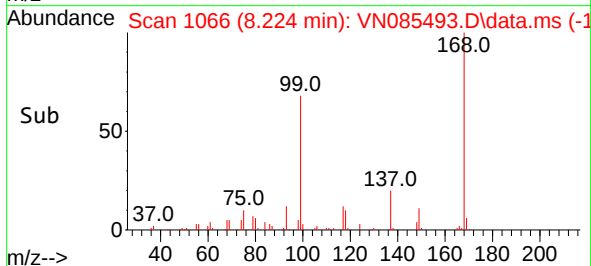
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17546
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.5	49.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 1.232 ug/l

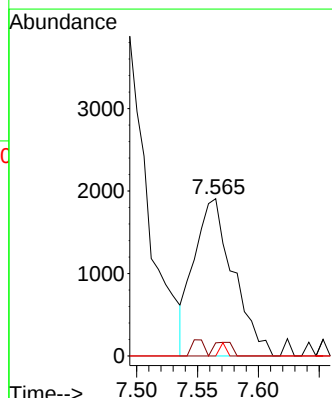
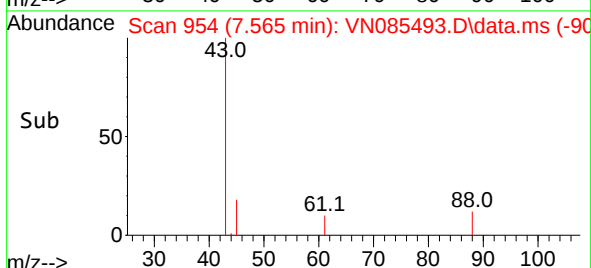
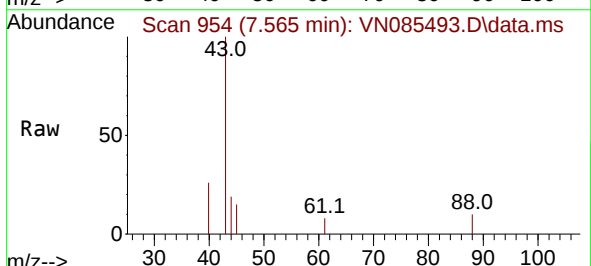
RT: 7.565 min Scan# 954

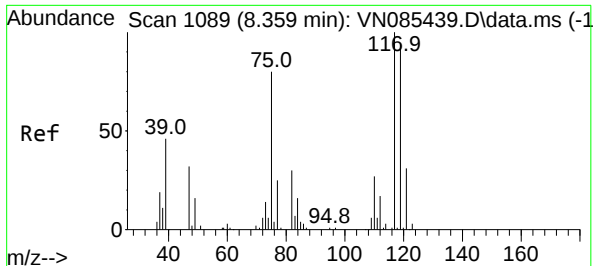
Delta R.T. 0.012 min

Lab File: VN085493.D

Acq: 17 Jan 2025 15:12

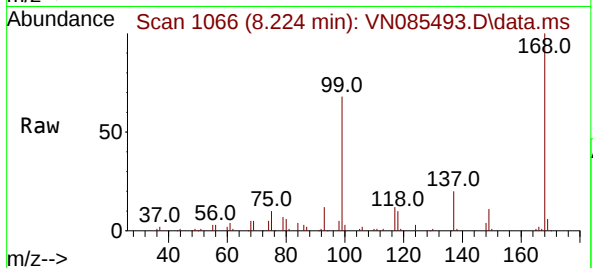
Tgt Ion:	43	Resp:	4274
Ion	Ratio	Lower	Upper
43	100		
61	4.0	10.9	16.3#
70	1.3	7.5	11.3#



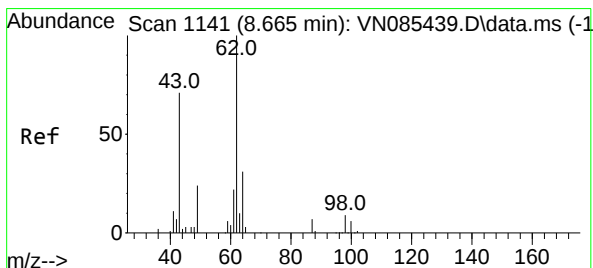
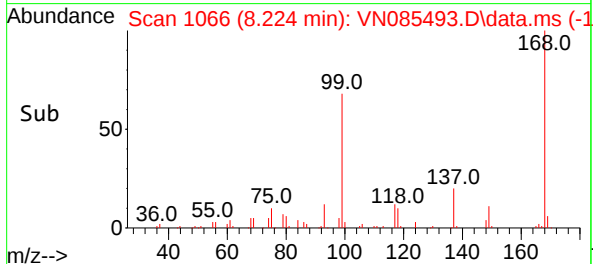
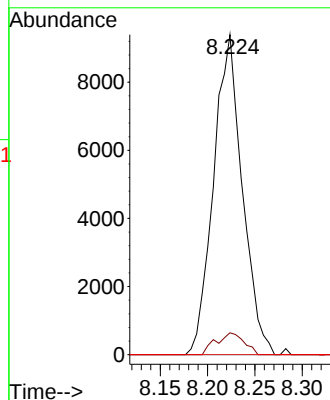


#38
Carbon Tetrachloride
Concen: 5.048 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :

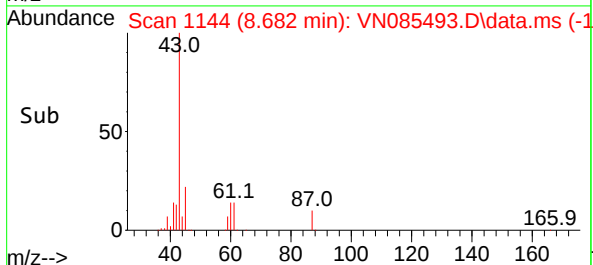
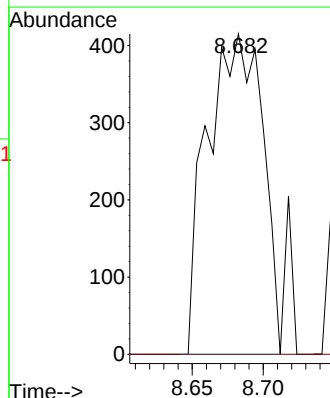
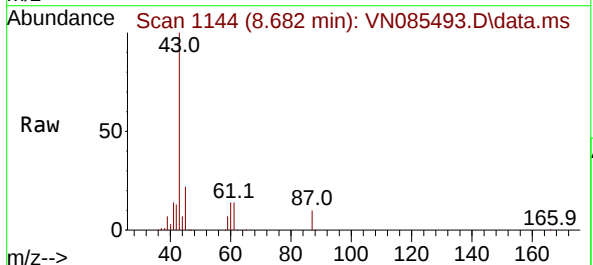


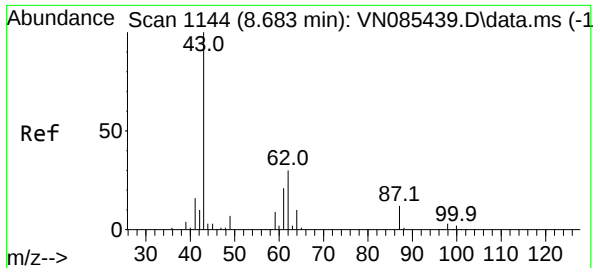
Tgt Ion:117 Resp: 19869
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.289 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 62 Resp: 1124
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

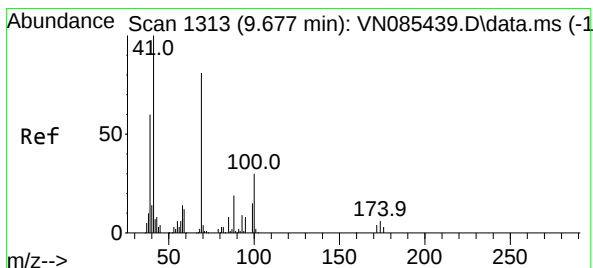
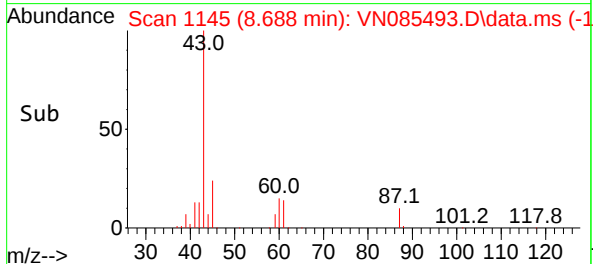
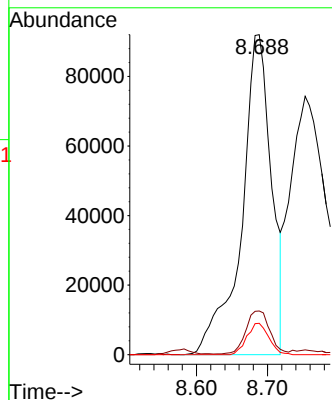
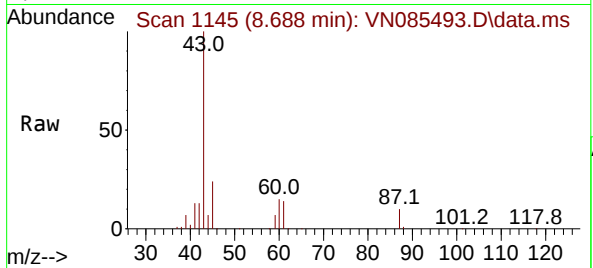




#43
Isopropyl Acetate
Concen: 48.277 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

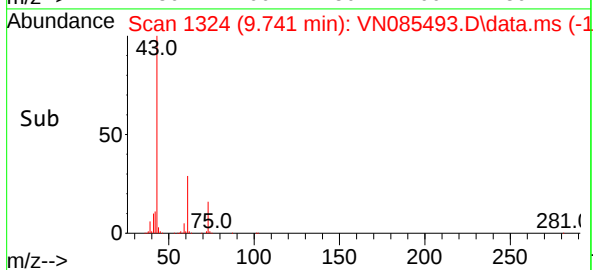
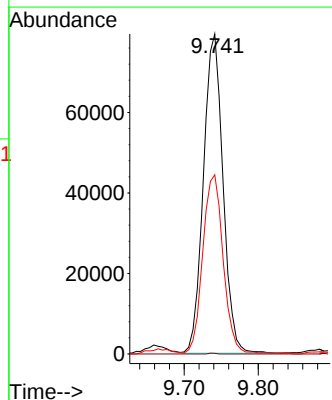
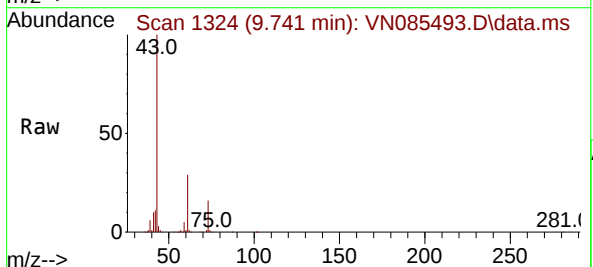
Instrument :
MSVOA_N
ClientSampleId :

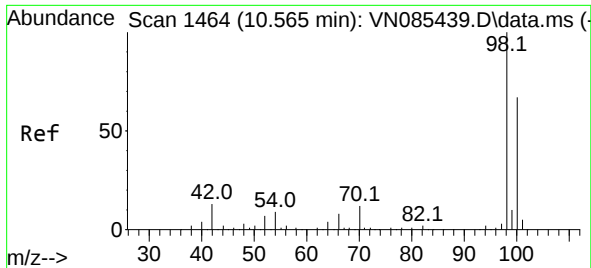
Tgt Ion: 43 Resp: 268427
Ion Ratio Lower Upper
43 100
61 11.2 20.7 31.1#
87 7.1 9.8 14.8#



#48
Methyl methacrylate
Concen: 58.068 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.064 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 41 Resp: 145297
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 58.0 49.0 73.6

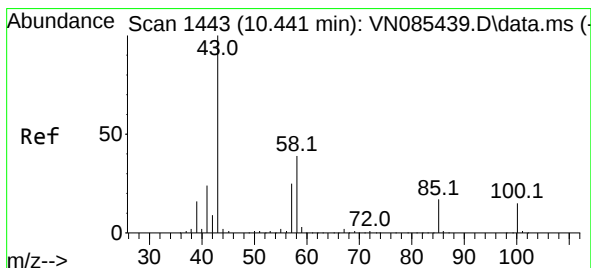
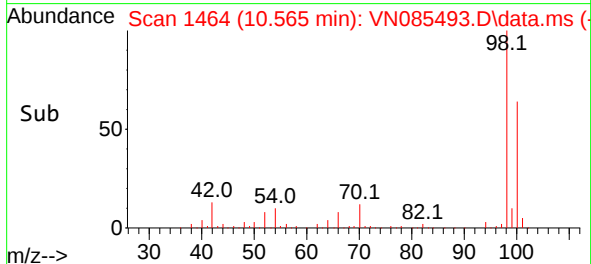
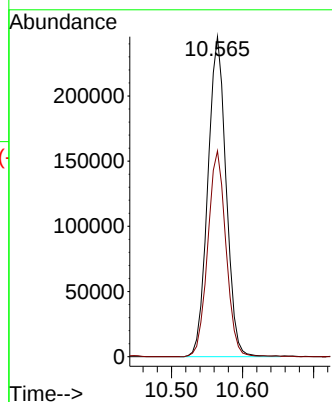
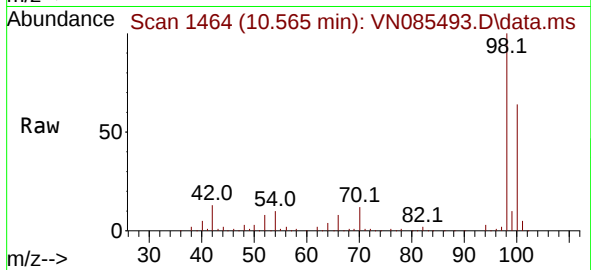




#50
Toluene-d8
Concen: 50.334 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

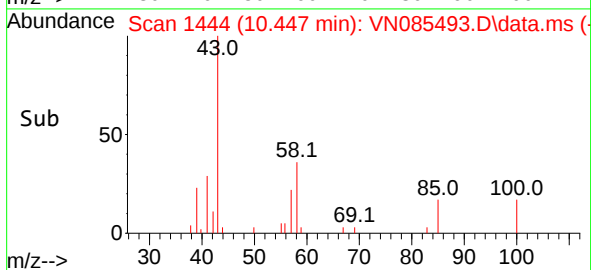
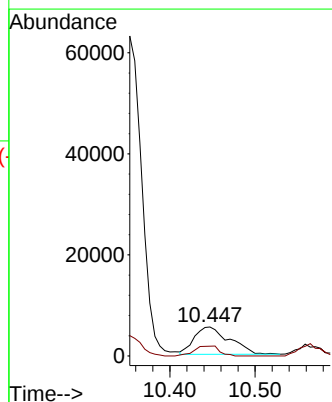
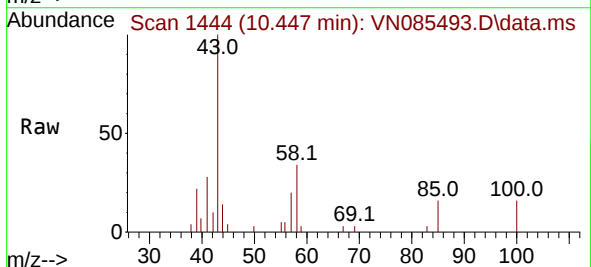
Instrument :
MSVOA_N
ClientSampleId :

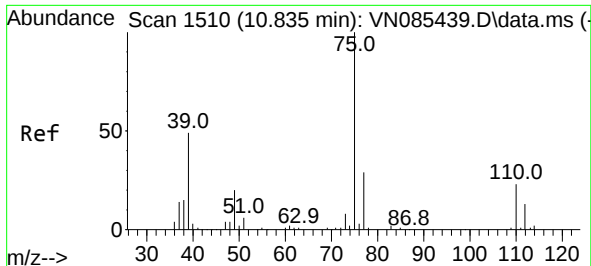
Tgt Ion: 98 Resp: 438055
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.798 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 43 Resp: 15481
Ion Ratio Lower Upper
43 100
58 25.9 30.5 45.7#

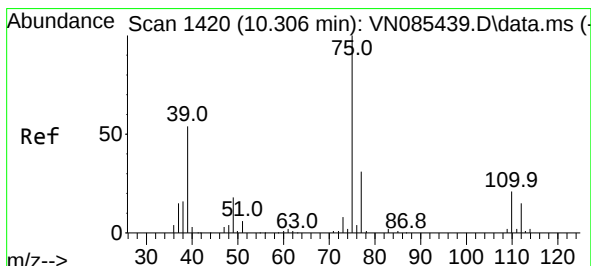
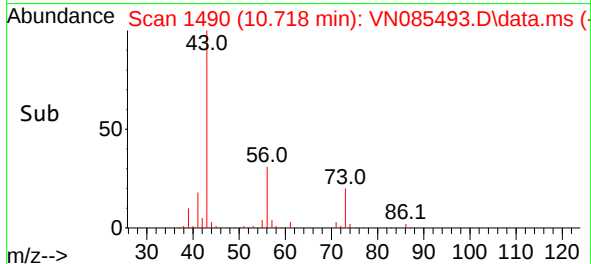
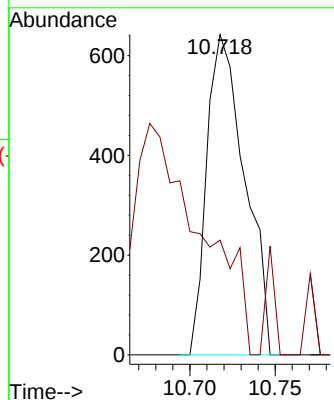
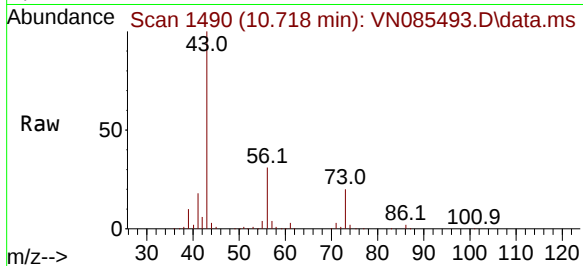




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN085493.D
 Acq: 17 Jan 2025 15:12

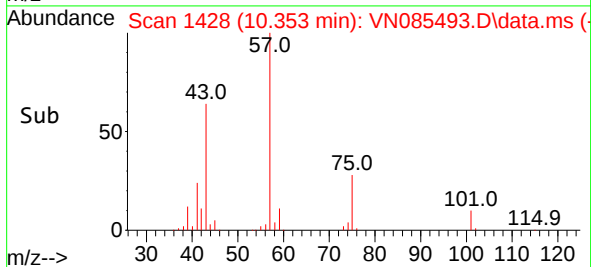
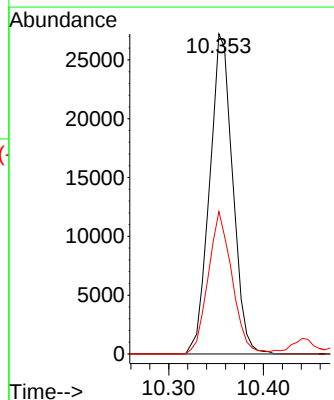
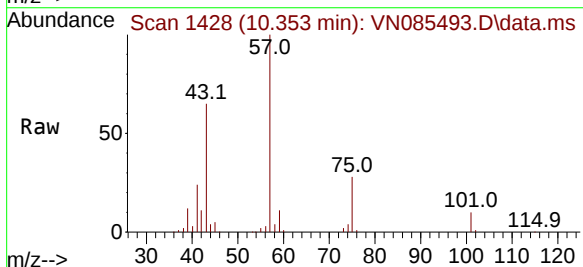
Instrument :
 MSVOA_N
 ClientSampleId :

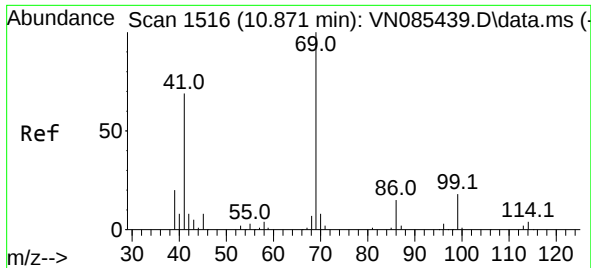
Tgt Ion: 75 Resp: 998
 Ion Ratio Lower Upper
 75 100
 77 35.8 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.767 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085493.D
 Acq: 17 Jan 2025 15:12

Tgt Ion: 75 Resp: 46072
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.5 43.1 64.7

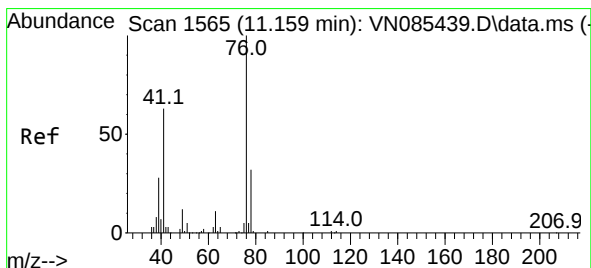
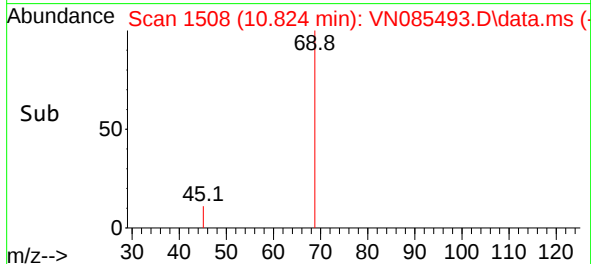
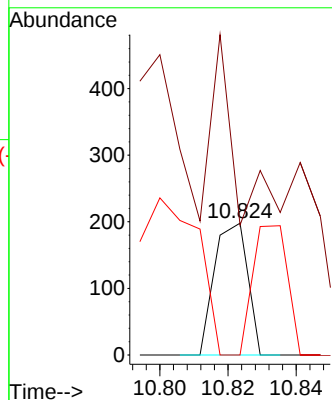
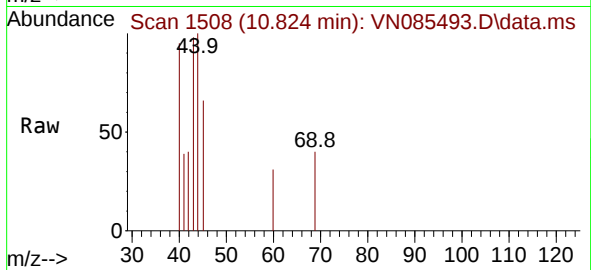




#56
Ethyl methacrylate
Concen: 1.963 ug/l
RT: 10.824 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

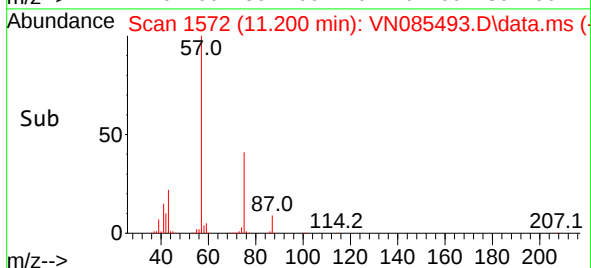
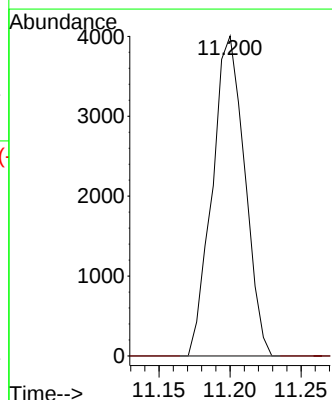
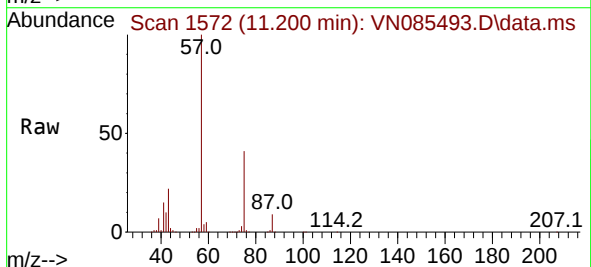
Instrument :
MSVOA_N
ClientSampleId :

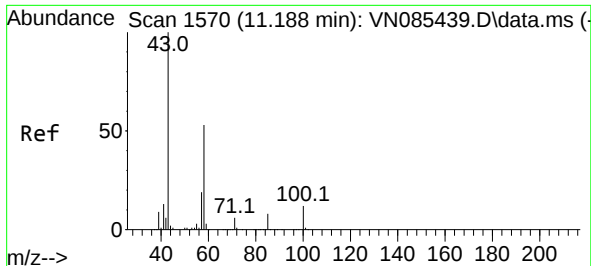
Tgt Ion: 69 Resp: 133
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.543 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 76 Resp: 6355
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

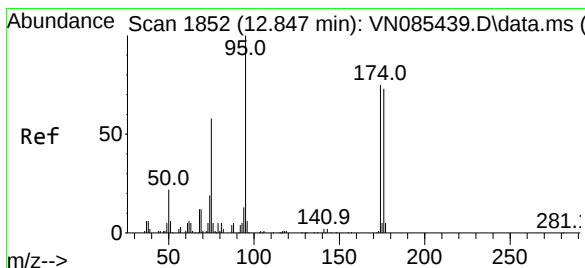
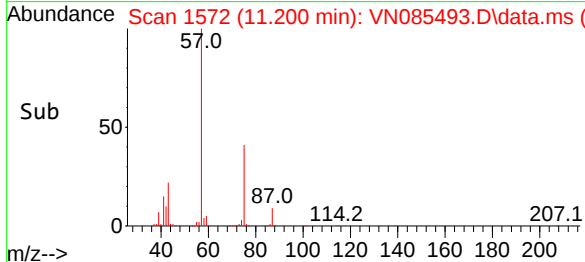
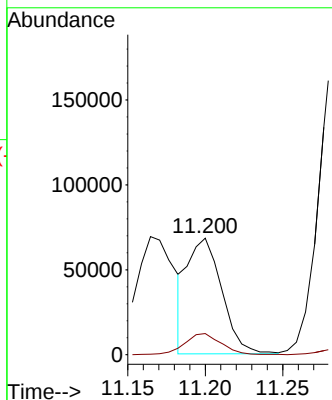
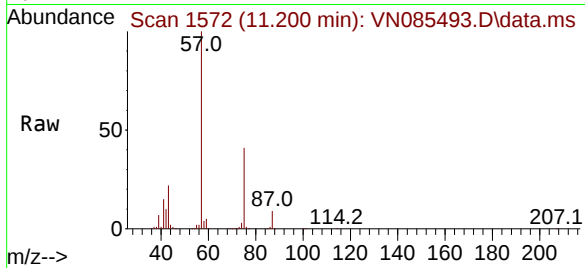




#59
2-Hexanone
Concen: 46.272 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

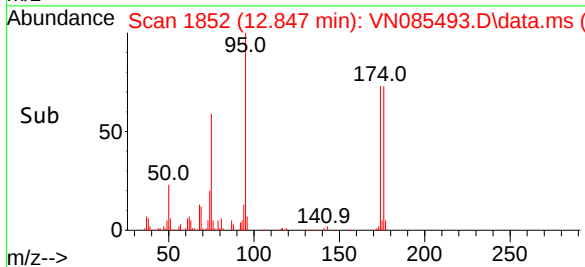
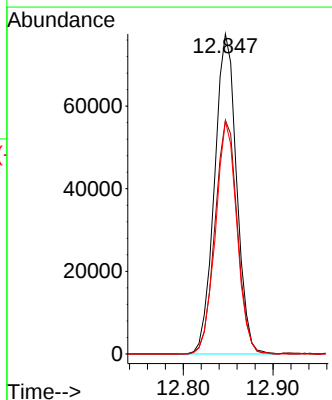
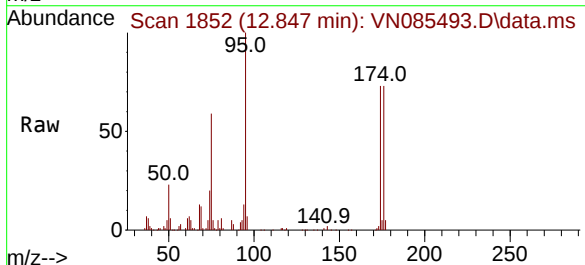
Instrument :
MSVOA_N
ClientSampleId :

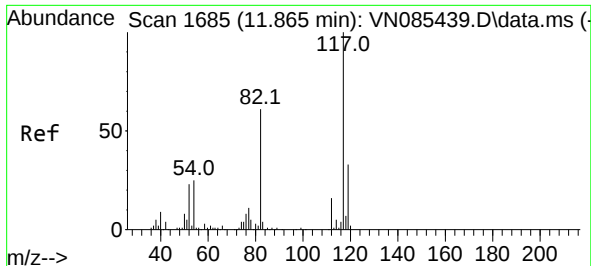
Tgt Ion: 43 Resp: 105047
Ion Ratio Lower Upper
43 100
58 19.5 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.380 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

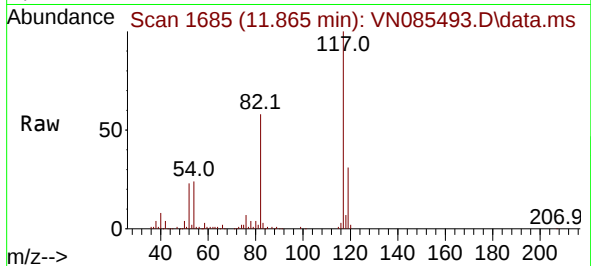
Tgt Ion: 95 Resp: 132123
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.0
176 70.8 0.0 142.4



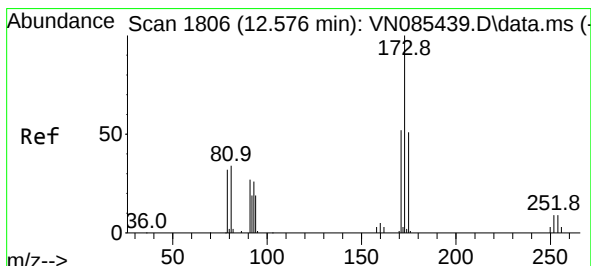
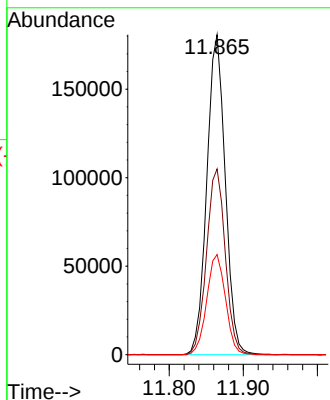
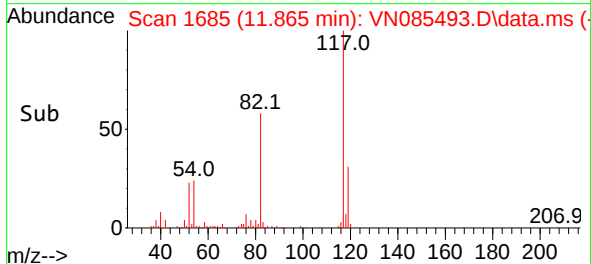


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :

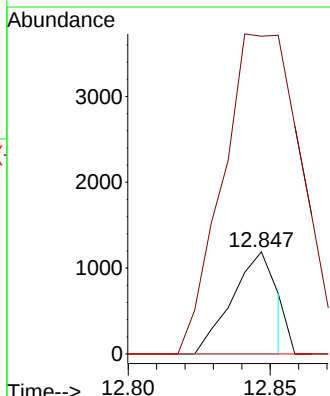
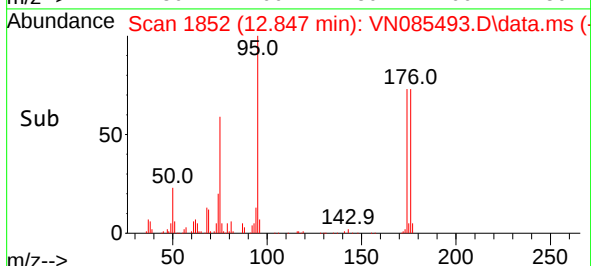
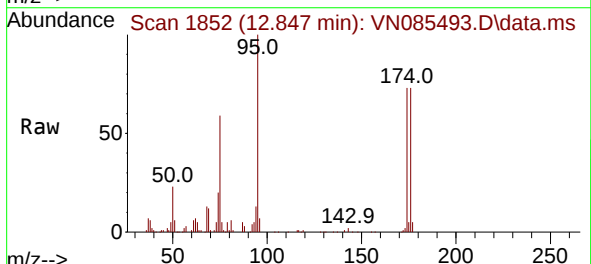


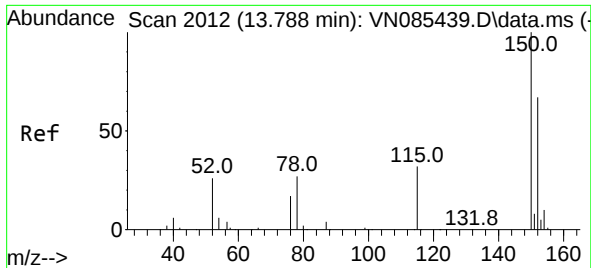
Tgt Ion:117 Resp: 312002
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 31.3 26.6 39.8



#71
Bromoform
Concen: 0.721 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

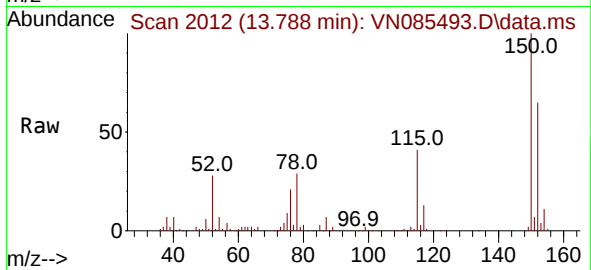
Tgt Ion:173 Resp: 1294
Ion Ratio Lower Upper
173 100
175 319.5 24.4 73.2#
254 0.0 0.0 0.0



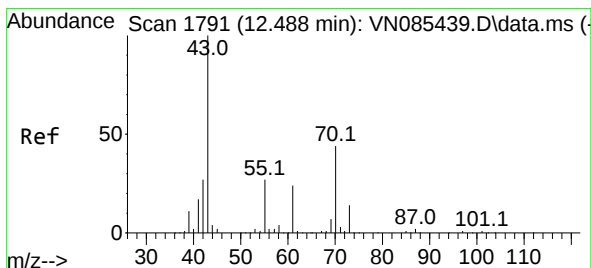
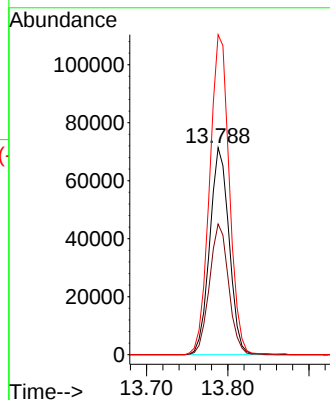
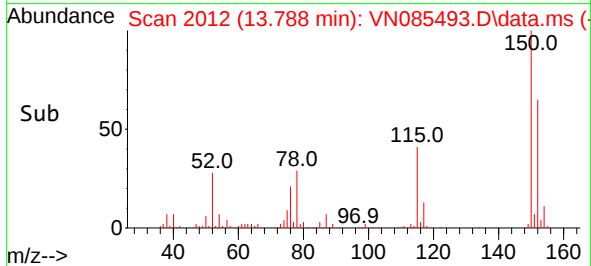


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085493.D
 Acq: 17 Jan 2025 15:12

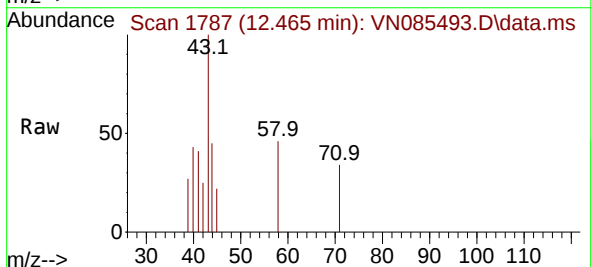
Instrument :
 MSVOA_N
 ClientSampleId :



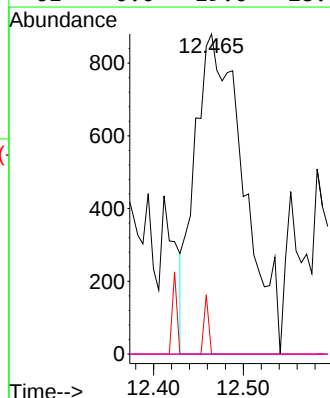
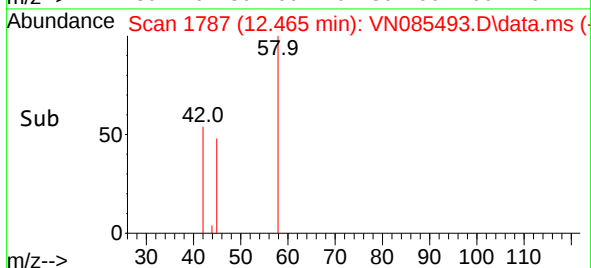
Tgt Ion:152 Resp: 118223
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.1 93.3
 150 156.9 0.0 343.6

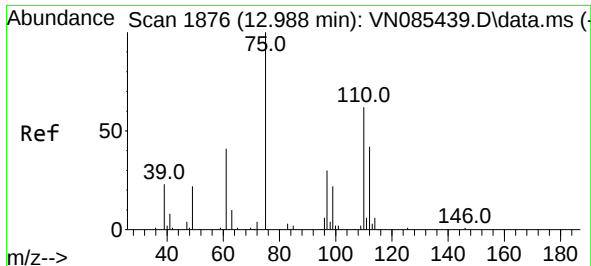


#74
 N-ethyl acetate
 Concen: 0.929 ug/l
 RT: 12.465 min Scan# 1787
 Delta R.T. -0.024 min
 Lab File: VN085493.D
 Acq: 17 Jan 2025 15:12



Tgt Ion: 43 Resp: 3330
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 1.7 21.4 32.2#
 61 0.0 19.0 28.4#

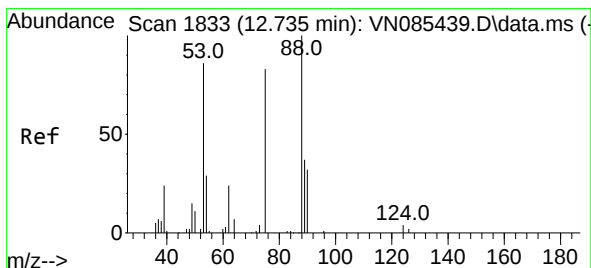
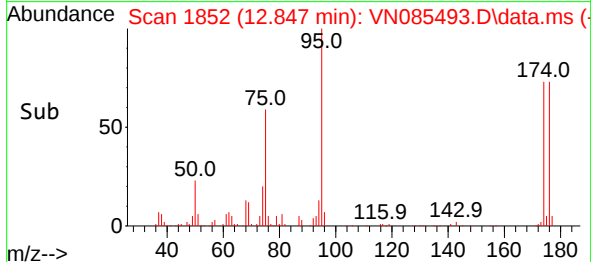
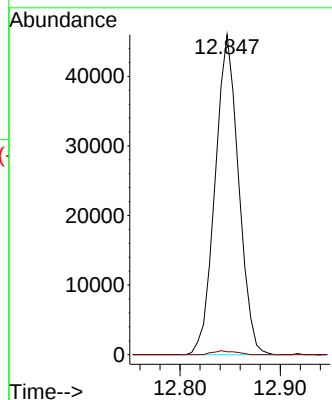
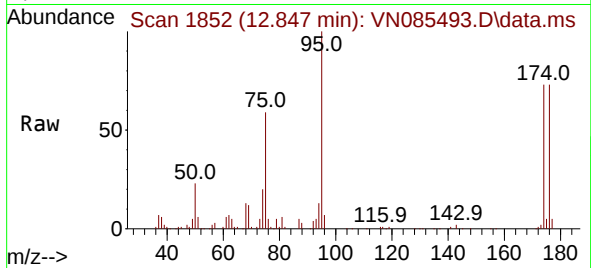




#76
1,2,3-Trichloropropane
Concen: 31.111 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74757
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.173 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085493.D
Acq: 17 Jan 2025 15:12

Tgt Ion: 75 Resp: 74757
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

