

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085680.D
 Acq On : 05 Feb 2025 16:23
 Operator : JC\MD
 Sample : PB166529ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 06 00:43:14 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)

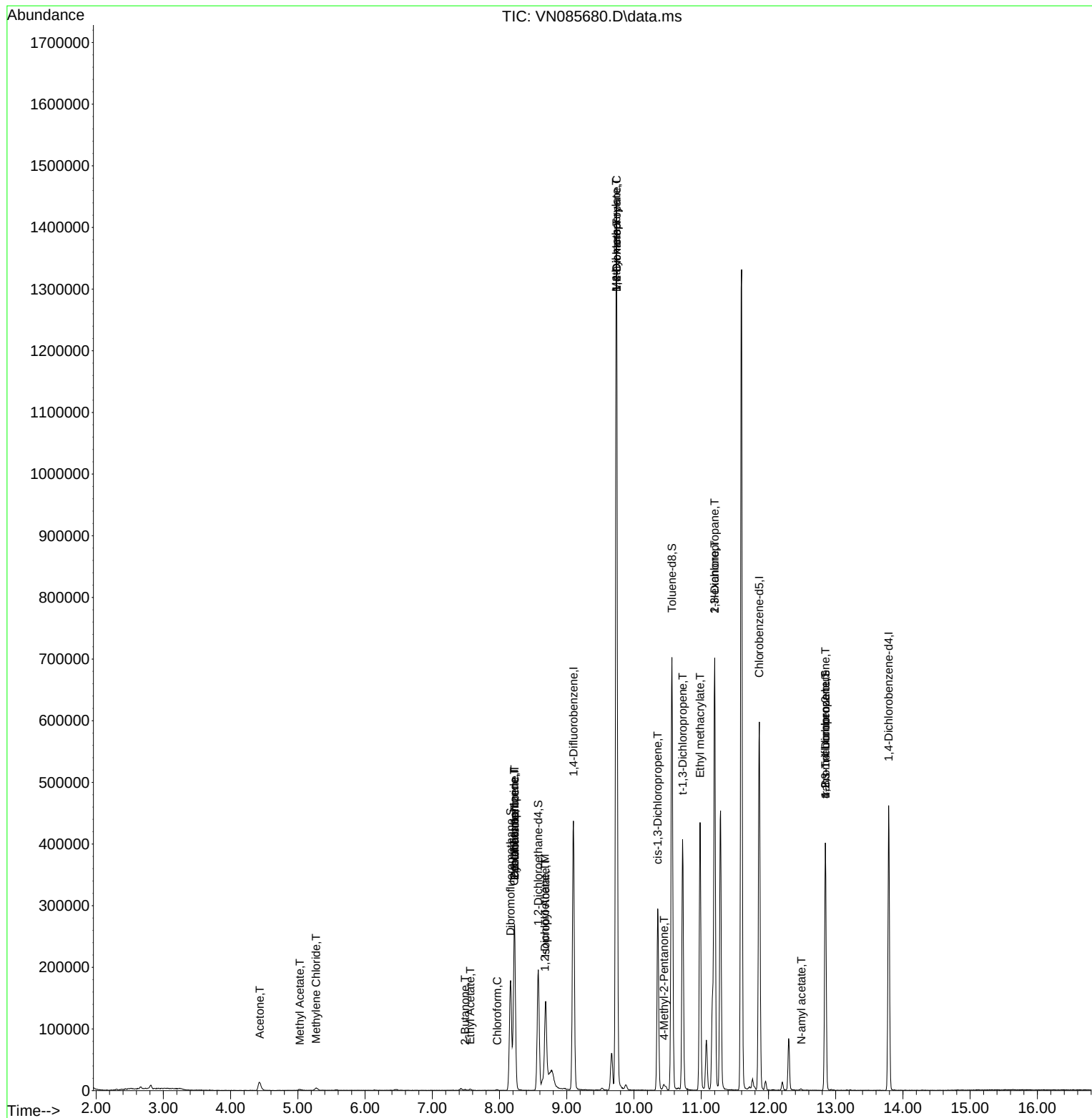
Internal Standards						
1) Pentafluorobenzene	8.224	168	186120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	377541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153794	51.190	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.165	113	126941	48.465	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	10.565	98	482338	51.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.847	95	133768	42.021	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.040%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	26735	27.541	ug/l	94
18) Methyl Acetate	5.030	43	2922	0.990	ug/l #	72
20) Methylene Chloride	5.271	84	3113	1.295	ug/l #	73
25) 2-Butanone	7.488	43	2439	1.707	ug/l #	83
30) Chloroform	7.965	83	1311	0.289	ug/l	90
31) Cyclohexane	8.224	56	4759	1.248	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	16376	4.455	ug/l #	51
37) Ethyl Acetate	7.565	43	3426	0.923	ug/l #	87
38) Carbon Tetrachloride	8.218	117	21243	5.048	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1033	0.248	ug/l #	76
43) Isopropyl Acetate	8.682	43	181209	30.479	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1636	0.580	ug/l #	43
48) Methyl methacrylate	9.735	41	131726	49.233	ug/l #	46
49) 1,4-Dioxane	9.741	88	56	1.243	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5911	1.713	ug/l	90
53) t-1,3-Dichloropropene	10.724	75	942	0.240	ug/l #	56
54) cis-1,3-Dichloropropene	10.353	75	52457	12.530	ug/l #	64
56) Ethyl methacrylate	10.982	69	2185	2.423	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7539	1.712	ug/l #	43
59) 2-Hexanone	11.200	43	77004	31.721	ug/l #	62
74) N-amyl acetate	12.488	43	1065	0.295	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	71865	29.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71865	80.291	ug/l #	3

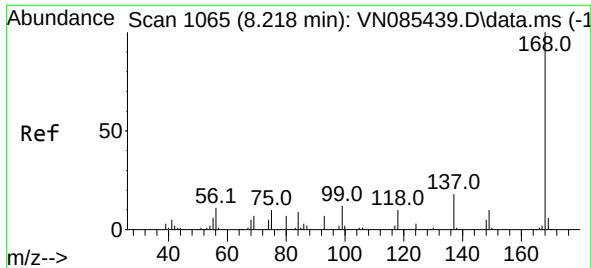
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
Data File : VN085680.D
Acq On : 05 Feb 2025 16:23
Operator : JC\MD
Sample : PB166529ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

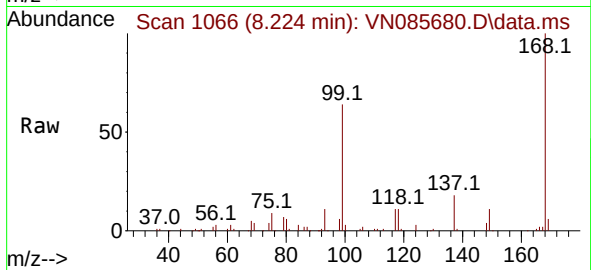
Quant Time: Feb 06 00:43:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



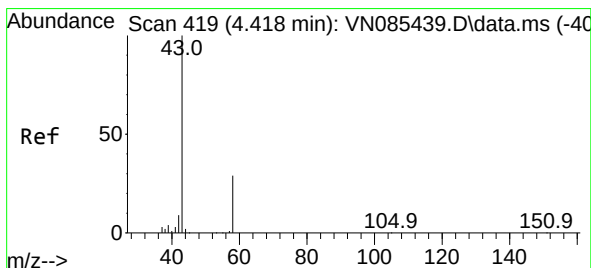
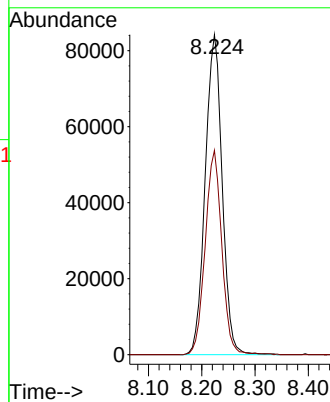
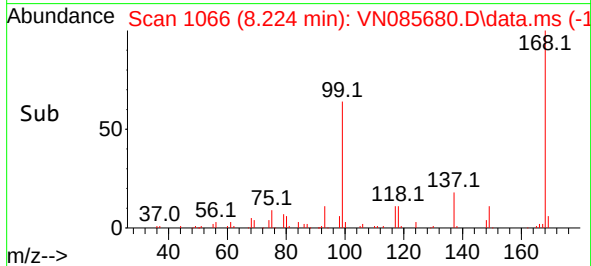


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Instrument :
MSVOA_N
ClientSampleId :

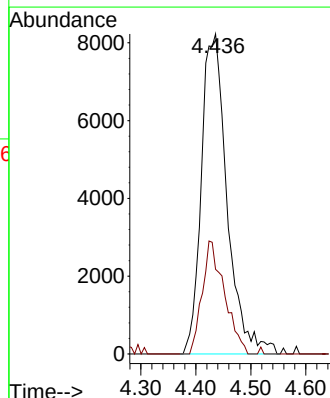
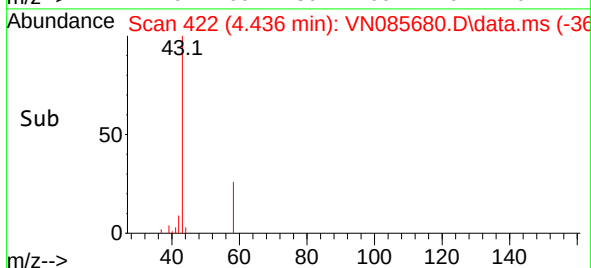
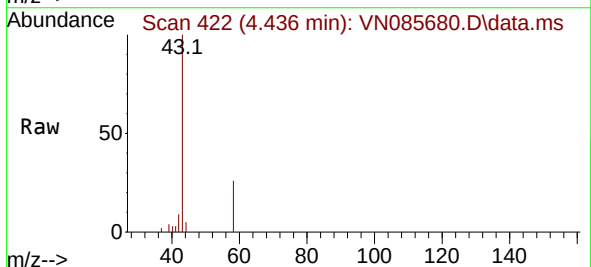


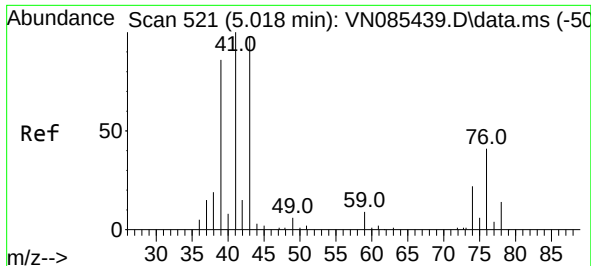
Tgt Ion:168 Resp: 186120
Ion Ratio Lower Upper
168 100
99 63.9 53.6 80.4



#16
Acetone
Concen: 27.541 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 43 Resp: 26735
Ion Ratio Lower Upper
43 100
58 26.5 23.8 35.6





#18

Methyl Acetate

Concen: 0.990 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

Instrument :

MSVOA_N

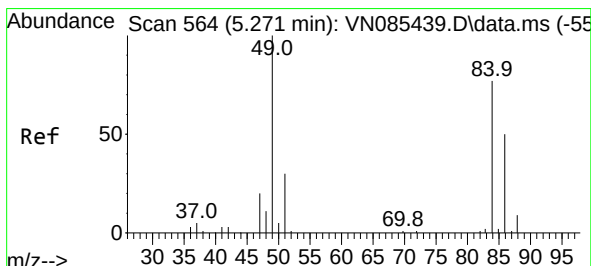
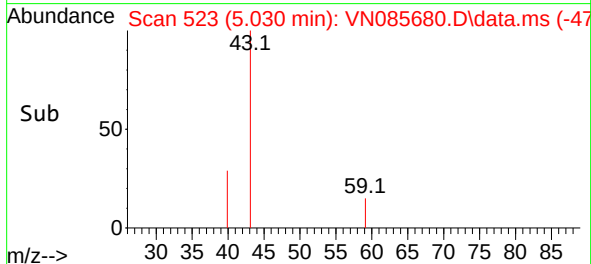
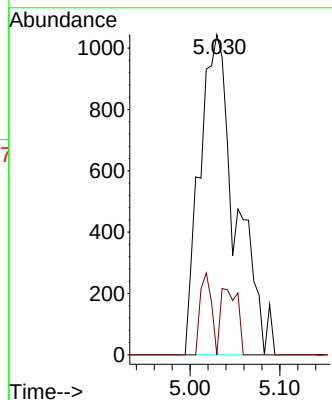
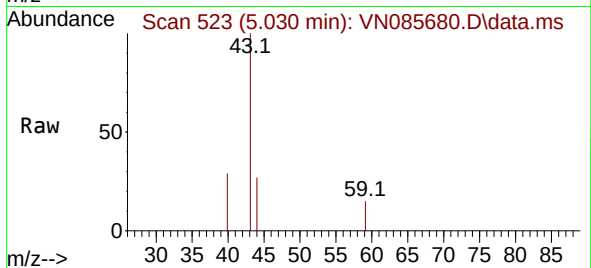
ClientSampleId :

Tgt Ion: 43 Resp: 2922

Ion Ratio Lower Upper

43 100

74 9.8 18.6 28.0#



#20

Methylene Chloride

Concen: 1.295 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

Tgt Ion: 84 Resp: 3113

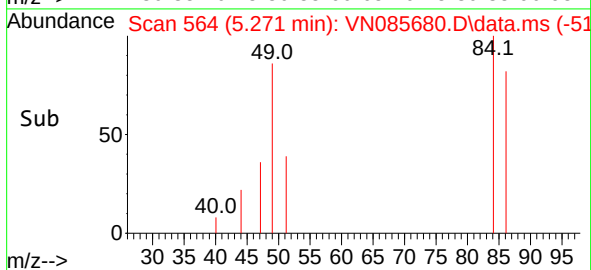
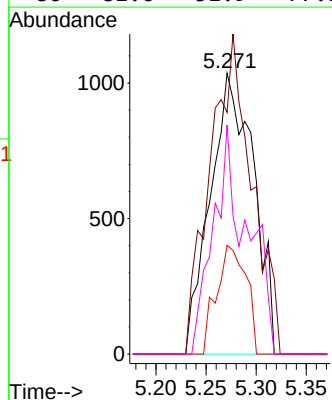
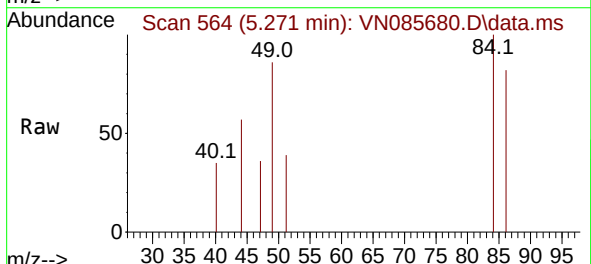
Ion Ratio Lower Upper

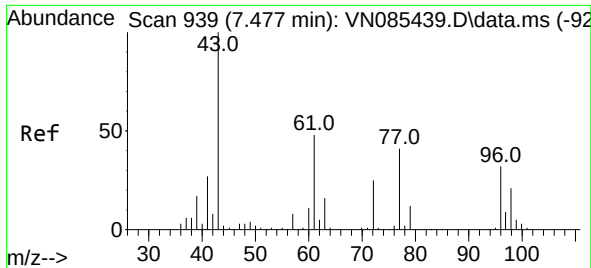
84 100

49 86.1 104.1 156.1#

51 38.7 31.0 46.4

86 81.6 51.9 77.9#

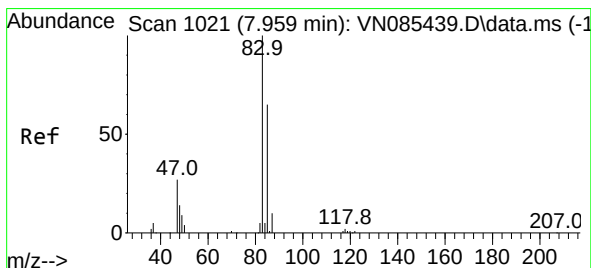
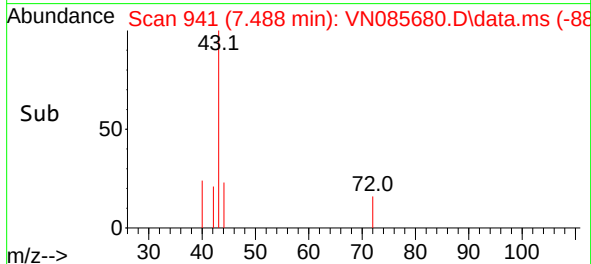
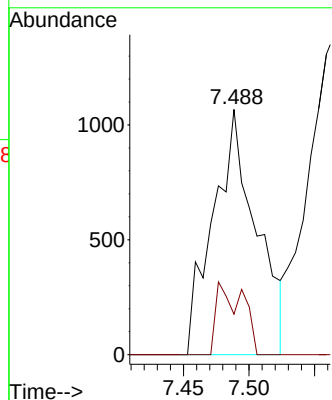
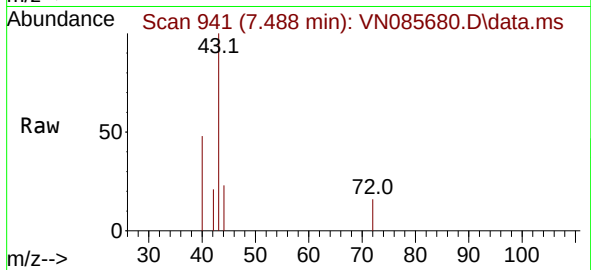




#25
2-Butanone
Concen: 1.707 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

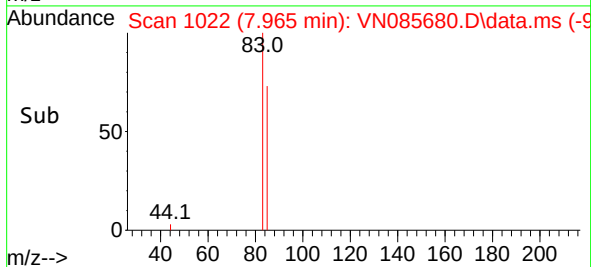
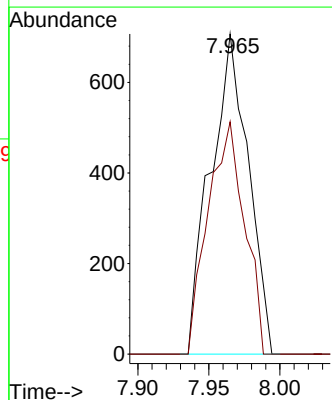
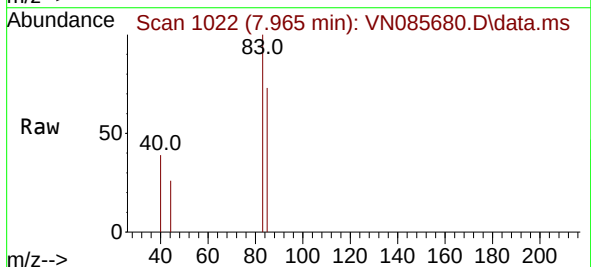
Instrument :
MSVOA_N
ClientSampleId :

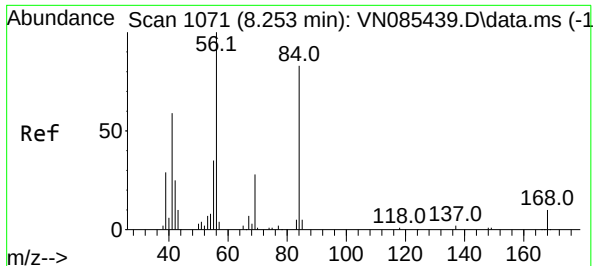
Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
72 16.5 20.2 30.4#



#30
Chloroform
Concen: 0.289 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

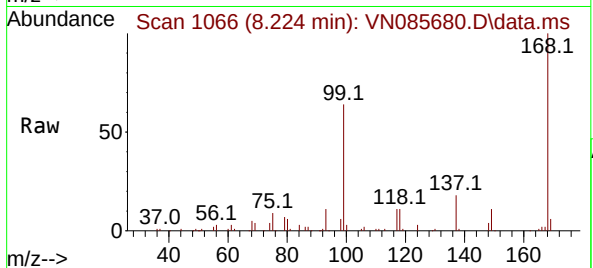
Tgt Ion: 83 Resp: 1311
Ion Ratio Lower Upper
83 100
85 72.6 51.8 77.6



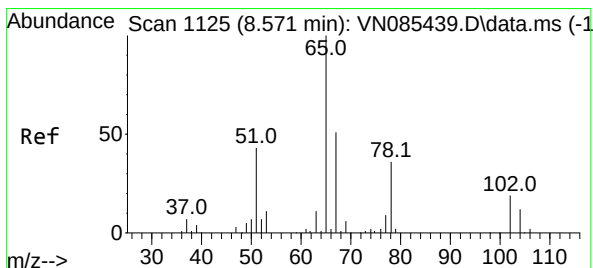
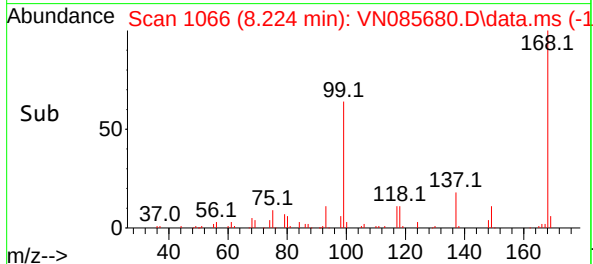
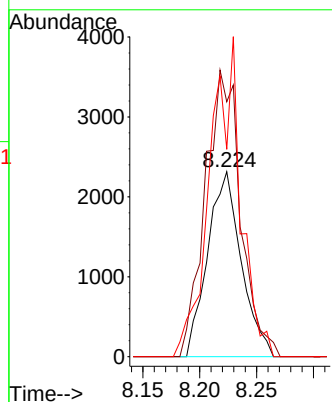


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Instrument :
MSVOA_N
ClientSampleId :

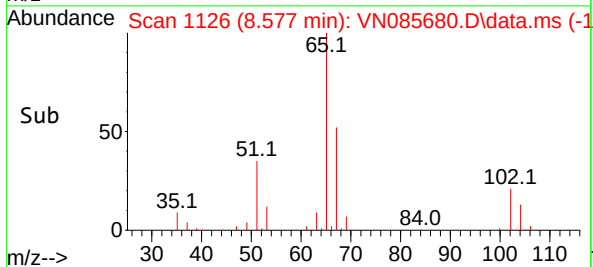
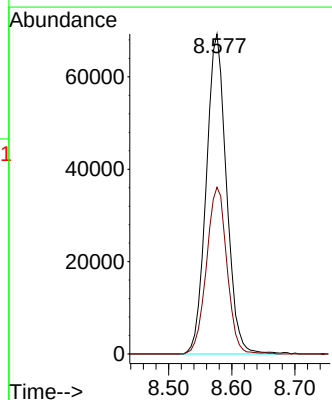
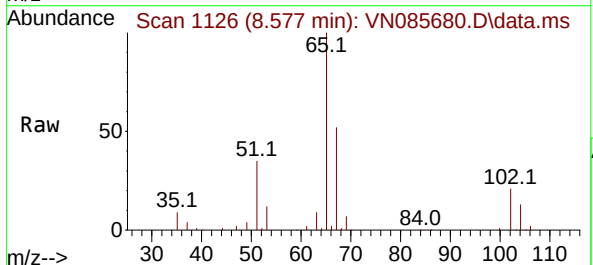


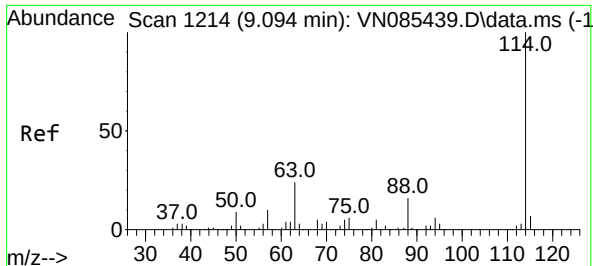
Tgt Ion: 56 Resp: 4759
Ion Ratio Lower Upper
56 100
69 137.8 22.2 33.4#
84 112.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.190 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 65 Resp: 153794
Ion Ratio Lower Upper
65 100
67 52.7 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: VN085680.D

Acq: 05 Feb 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

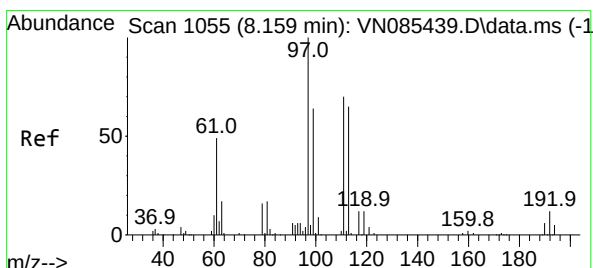
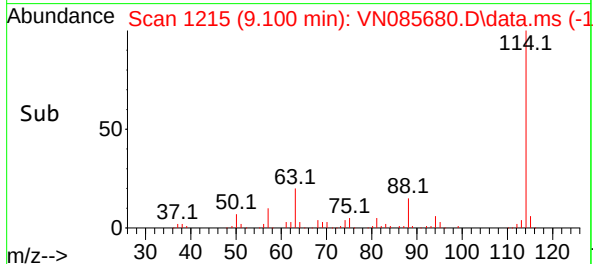
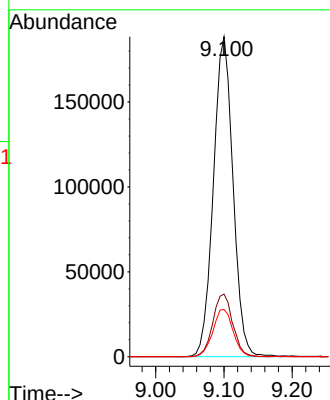
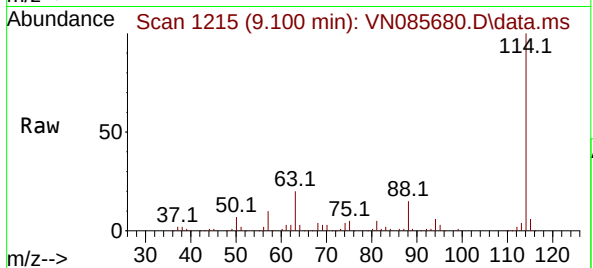
Tgt Ion:114 Resp: 377541

Ion Ratio Lower Upper

114 100

63 19.6 0.0 47.6

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.465 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

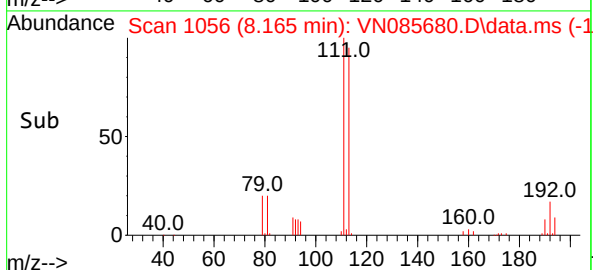
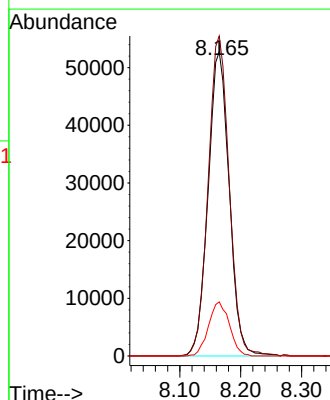
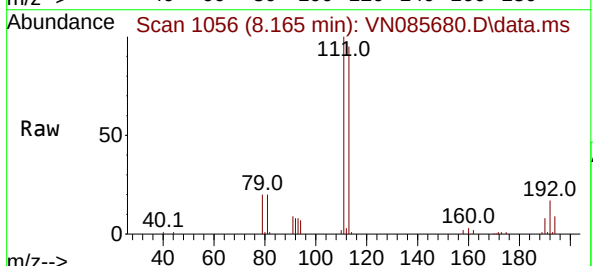
Tgt Ion:113 Resp: 126941

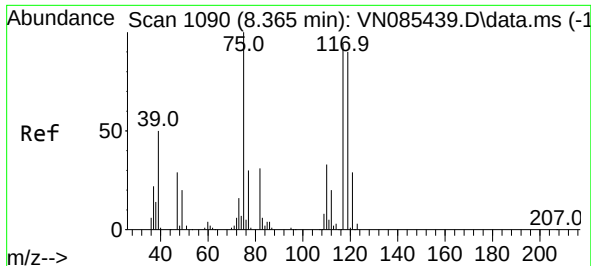
Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

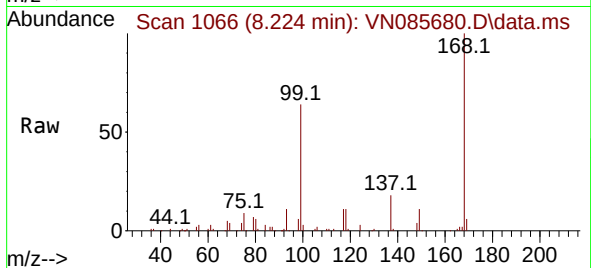
192 17.6 14.3 21.5



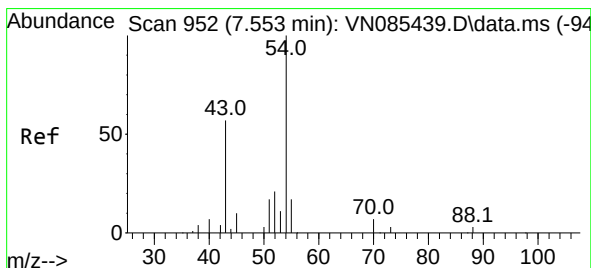
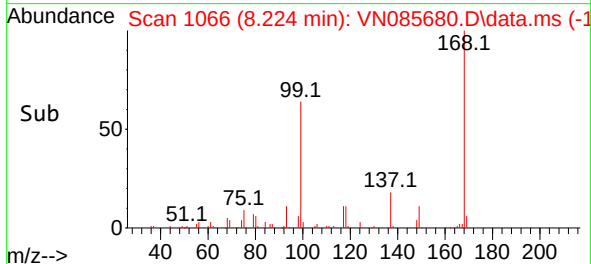
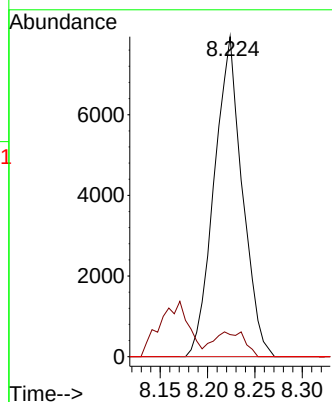


#36
1,1-Dichloropropene
Concen: 4.455 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Instrument :
MSVOA_N
ClientSampleId :

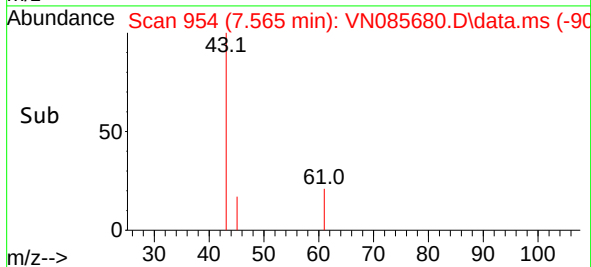
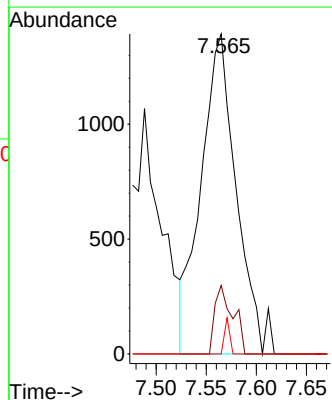
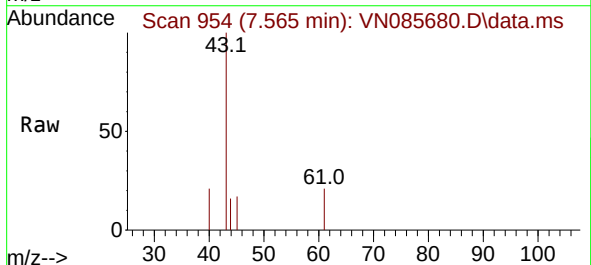


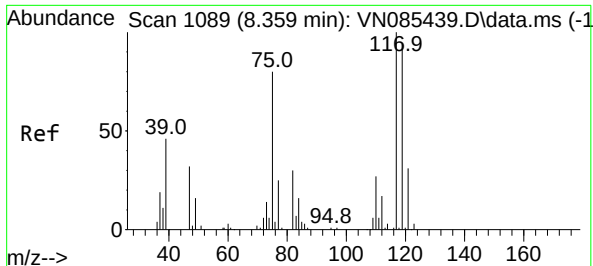
Tgt Ion: 75 Resp: 16376
Ion Ratio Lower Upper
75 100
110 8.7 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.923 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

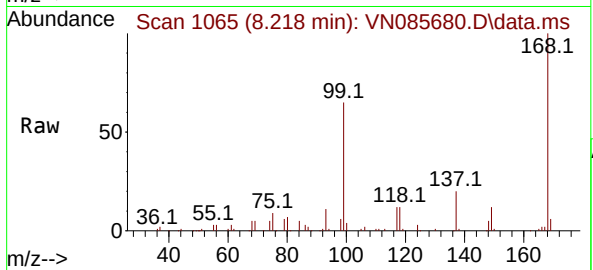
Tgt Ion: 43 Resp: 3426
Ion Ratio Lower Upper
43 100
61 10.9 10.9 16.3
70 1.6 7.5 11.3#



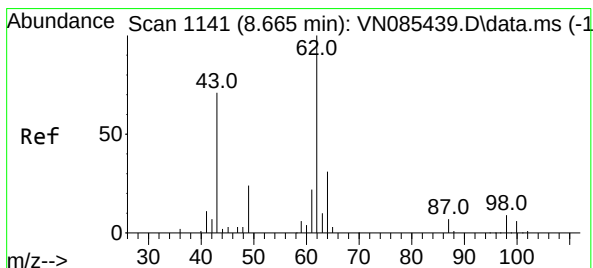
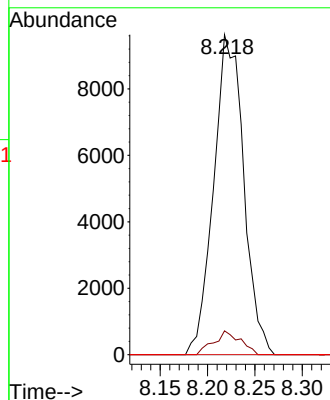
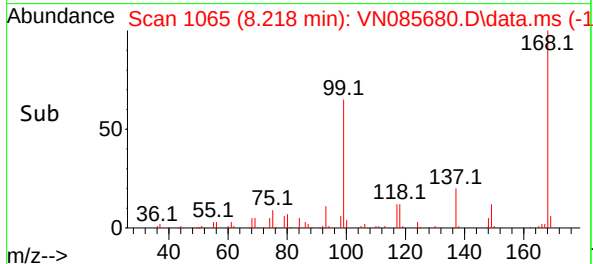


#38
Carbon Tetrachloride
Concen: 5.048 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Instrument :
MSVOA_N
ClientSampleId :

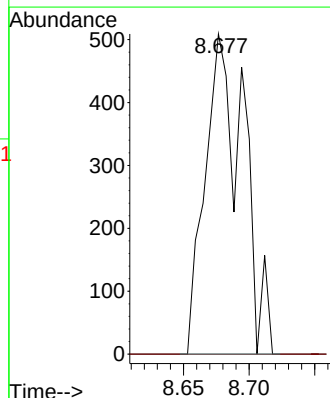
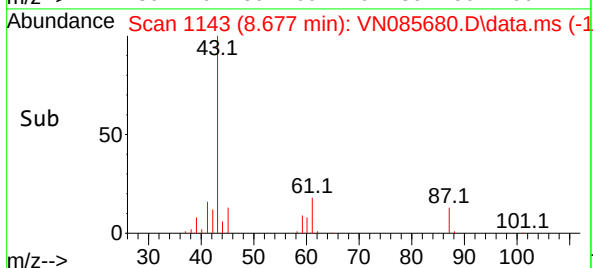
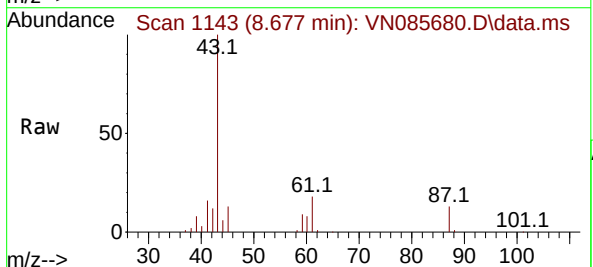


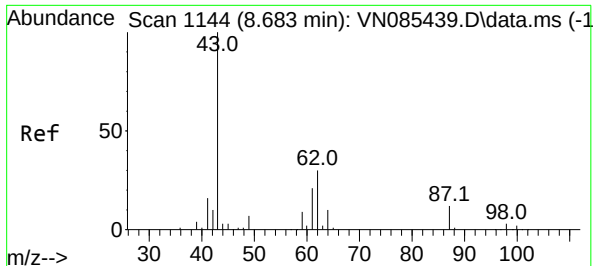
Tgt Ion:117 Resp: 21243
Ion Ratio Lower Upper
117 100
119 7.4 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.248 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 62 Resp: 1033
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

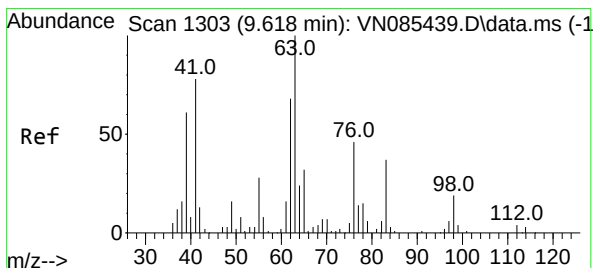
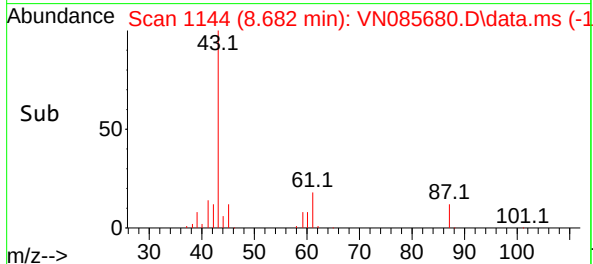
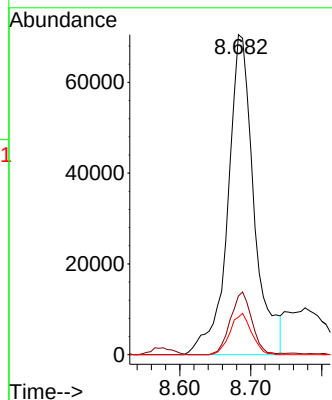
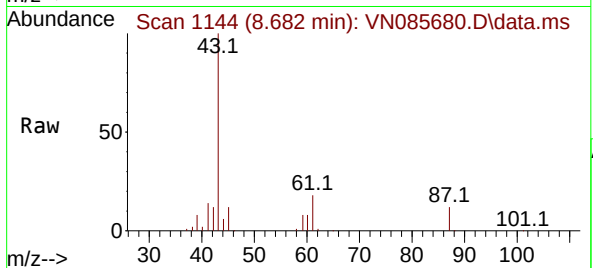




#43
Isopropyl Acetate
Concen: 30.479 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

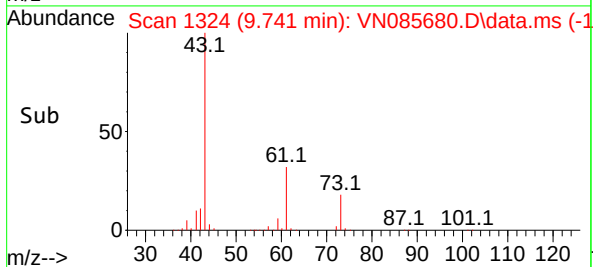
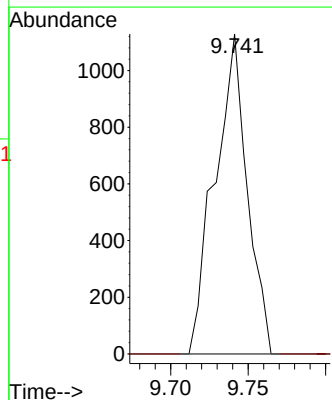
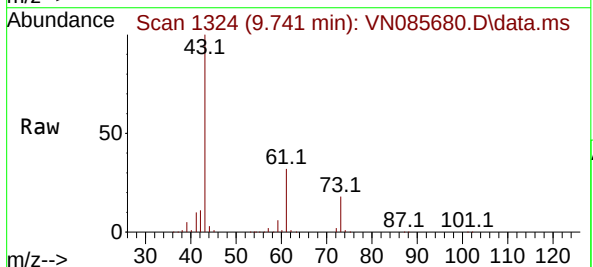
Instrument :
MSVOA_N
ClientSampleId :

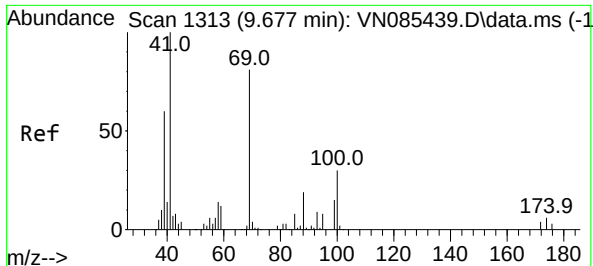
Tgt Ion: 43 Resp: 181209
Ion Ratio Lower Upper
43 100
61 16.1 20.7 31.1#
87 10.5 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.580 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 63 Resp: 1636
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 49.233 ug/l

RT: 9.735 min Scan# 1313

Delta R.T. 0.058 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

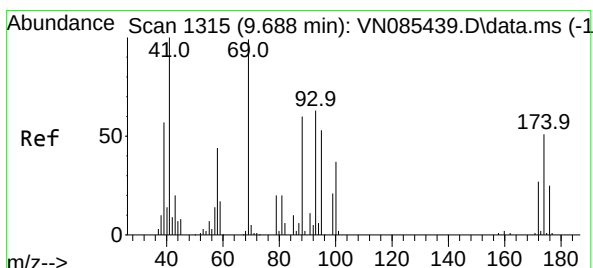
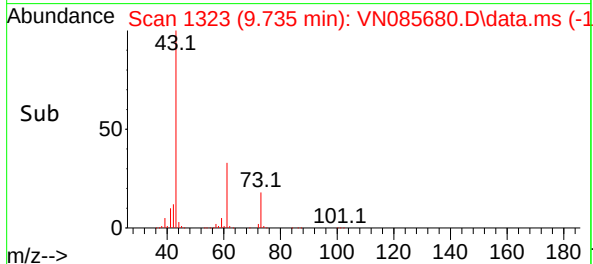
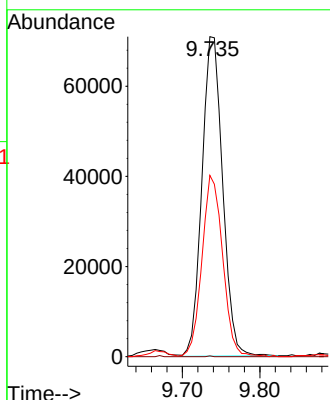
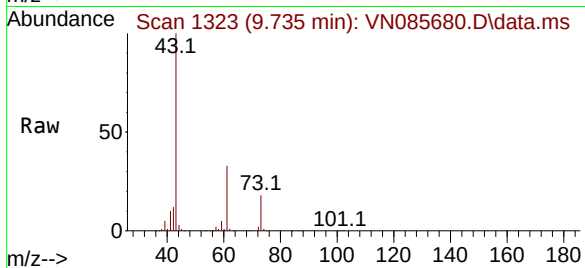
Tgt Ion: 41 Resp: 131726

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 56.9 49.0 73.6



#49

1,4-Dioxane

Concen: 1.243 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

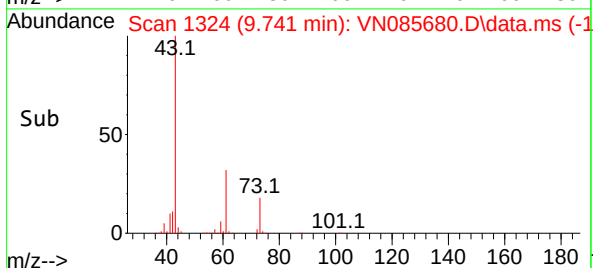
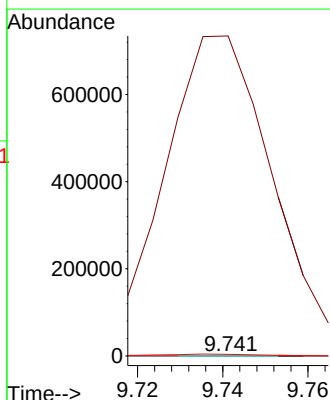
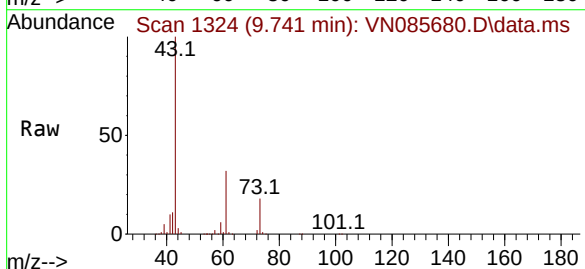
Tgt Ion: 88 Resp: 56

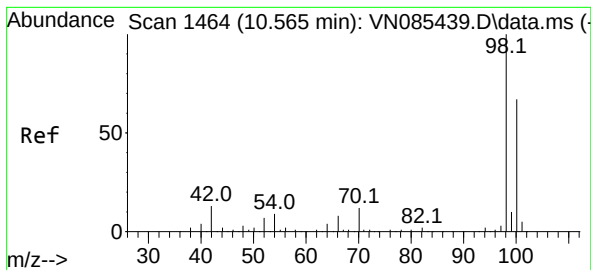
Ion Ratio Lower Upper

88 100

43 2391342.9 26.6 39.8#

58 13457.1 59.5 89.3#

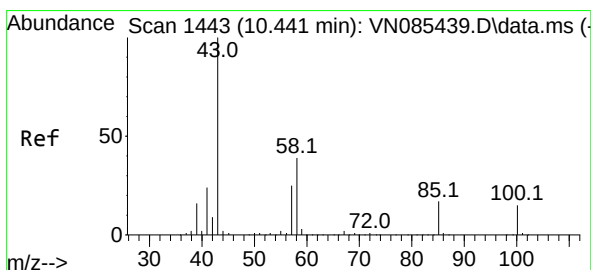
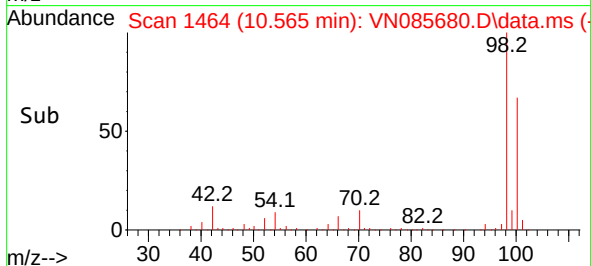
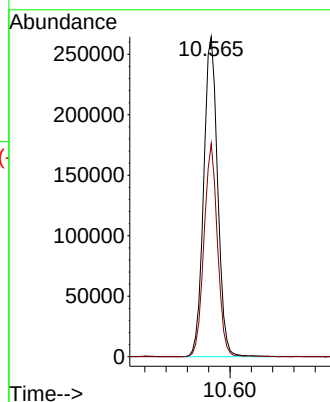
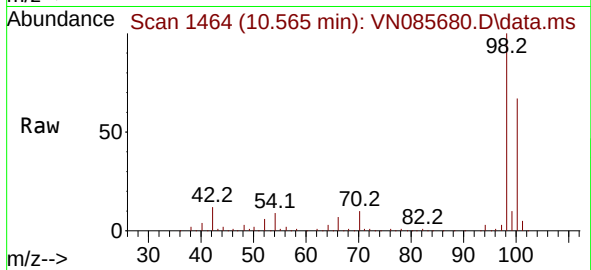




#50
Toluene-d8
Concen: 51.831 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

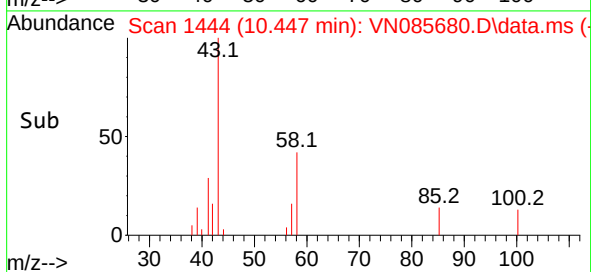
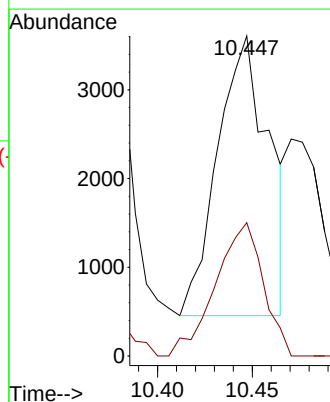
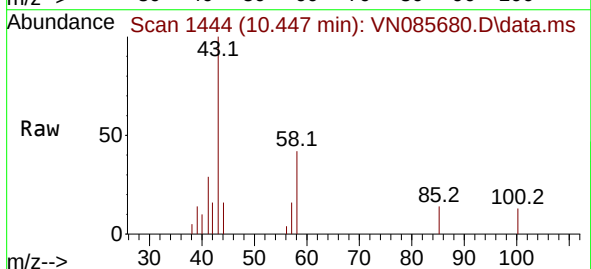
Instrument :
MSVOA_N
ClientSampleId :

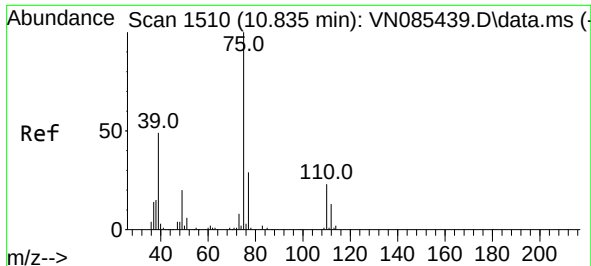
Tgt Ion: 98 Resp: 482338
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.713 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

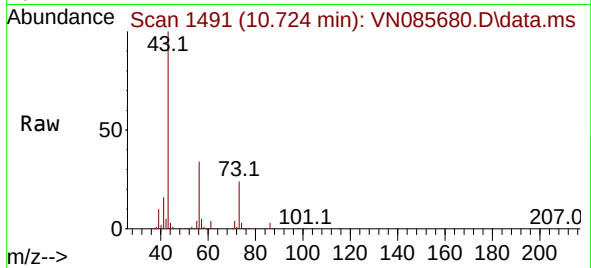
Tgt Ion: 43 Resp: 5911
Ion Ratio Lower Upper
43 100
58 44.4 30.5 45.7



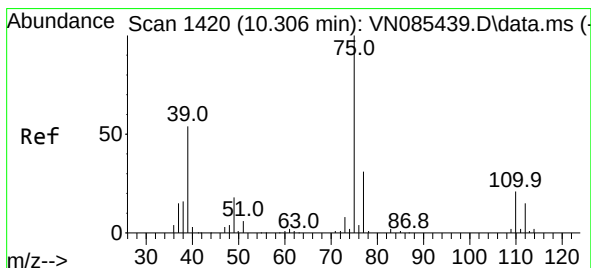
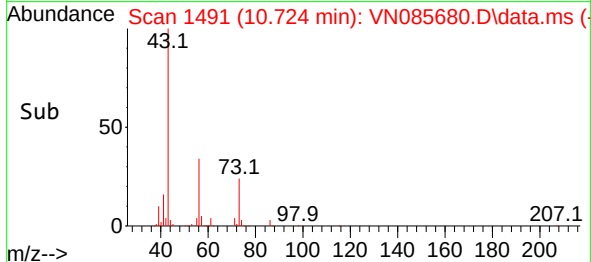
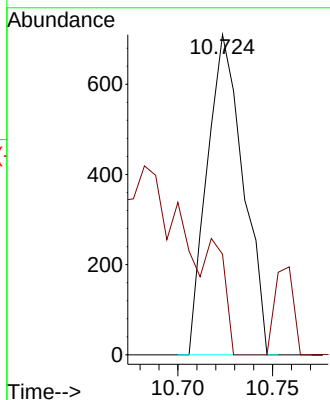


#53
t-1,3-Dichloropropene
Concen: 0.240 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Instrument :
MSVOA_N
ClientSampleId :

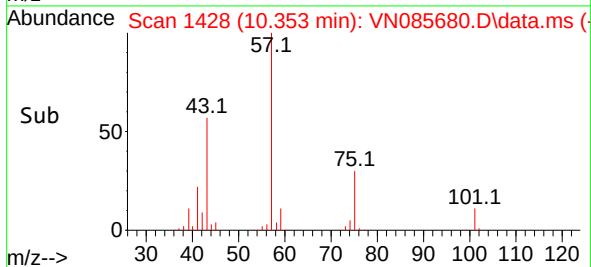
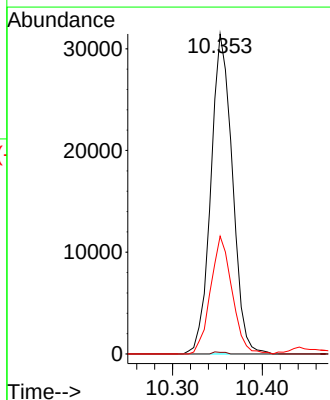
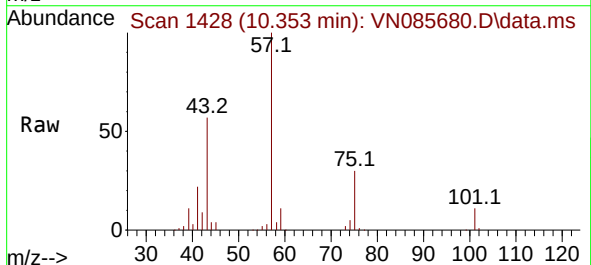


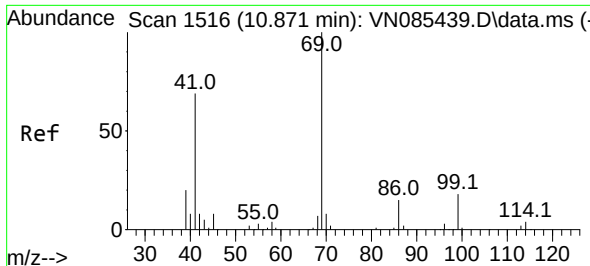
Tgt Ion: 75 Resp: 942
Ion Ratio Lower Upper
75 100
77 5.6 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.530 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 75 Resp: 52457
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 36.8 43.1 64.7#

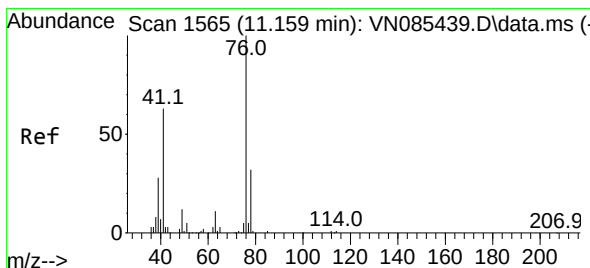
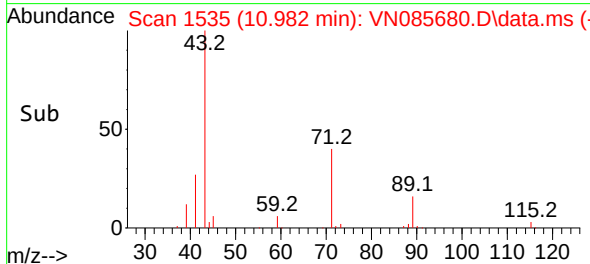
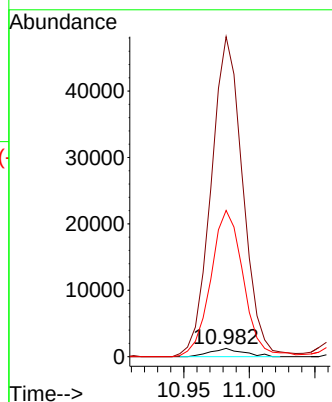
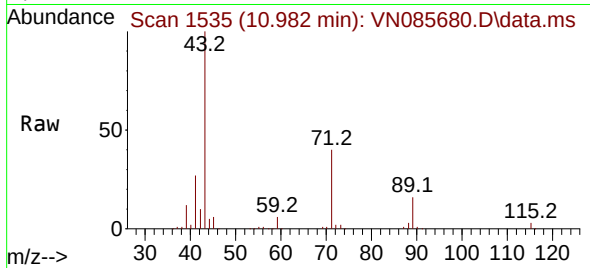




#56
Ethyl methacrylate
Concen: 2.423 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

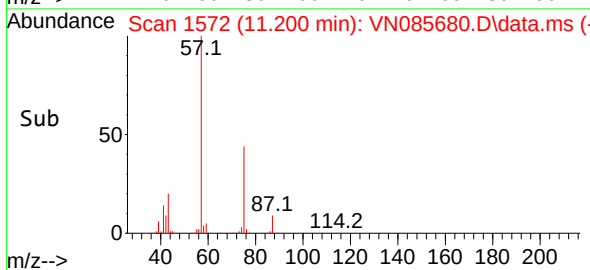
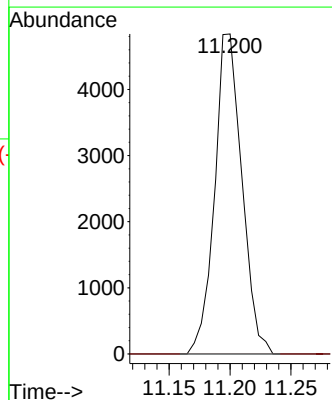
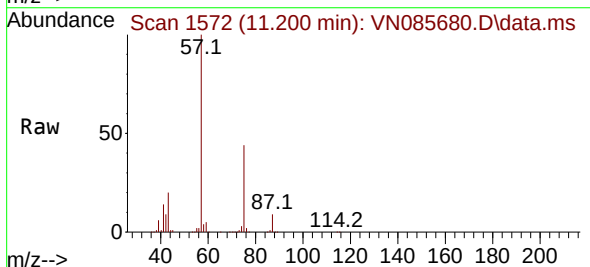
Instrument :
MSVOA_N
ClientSampleId :

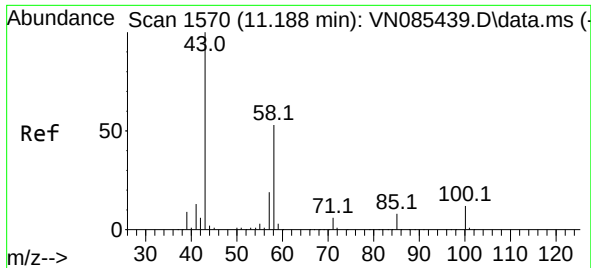
Tgt Ion: 69 Resp: 2185
Ion Ratio Lower Upper
69 100
41 3711.5 54.6 82.0#
39 1743.0 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.712 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 76 Resp: 7539
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

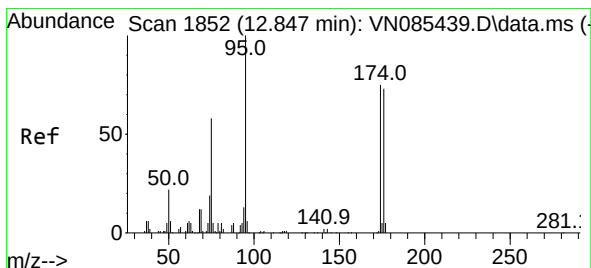
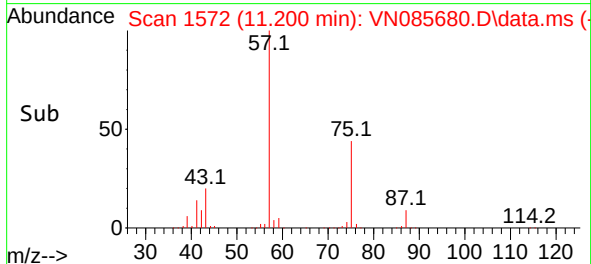
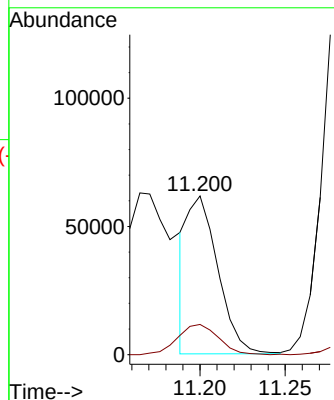
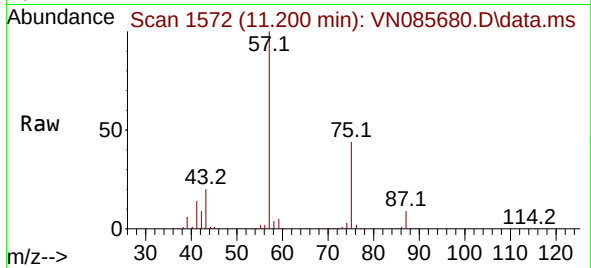




#59
2-Hexanone
Concen: 31.721 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

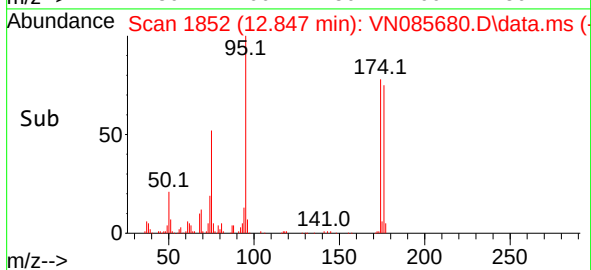
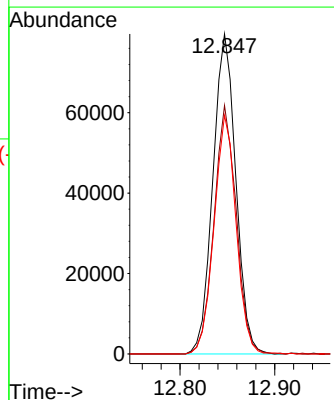
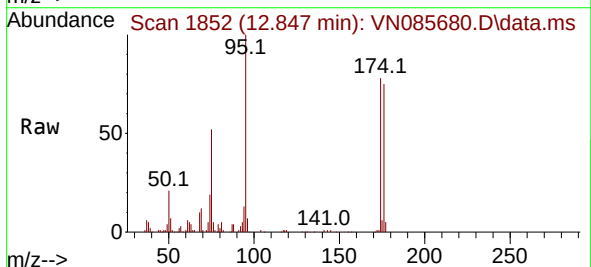
Instrument :
MSVOA_N
ClientSampleId :

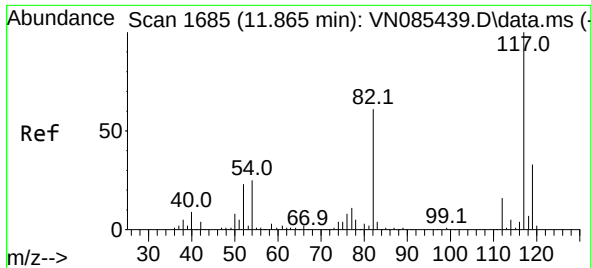
Tgt Ion: 43 Resp: 77004
Ion Ratio Lower Upper
43 100
58 25.6 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.021 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion: 95 Resp: 133768
Ion Ratio Lower Upper
95 100
174 75.6 0.0 145.0
176 72.0 0.0 142.4

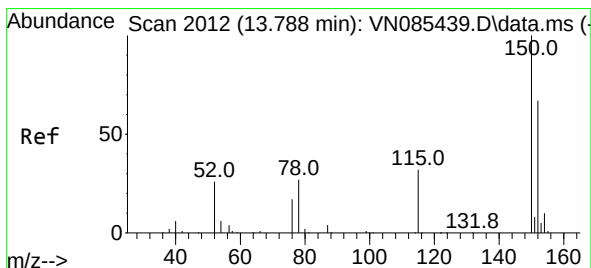
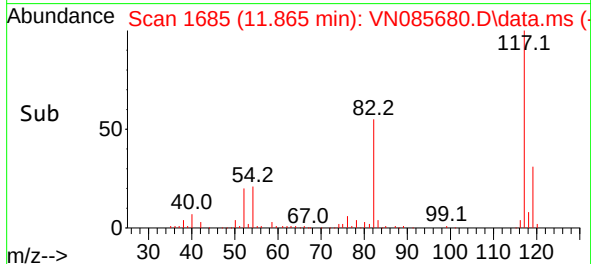
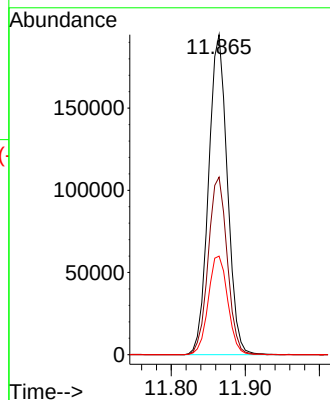
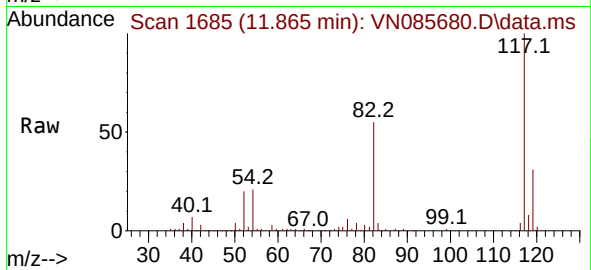




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

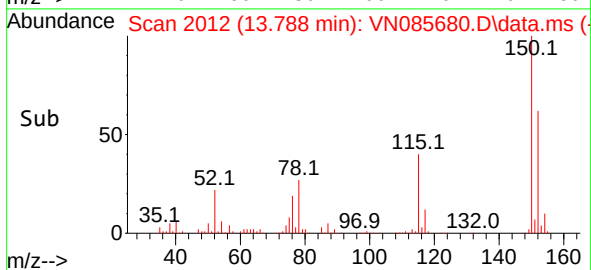
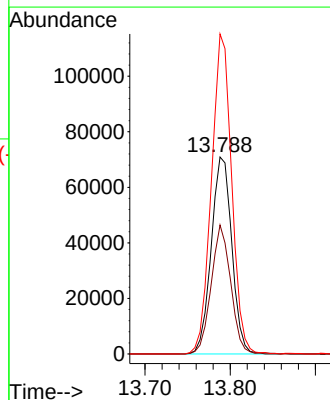
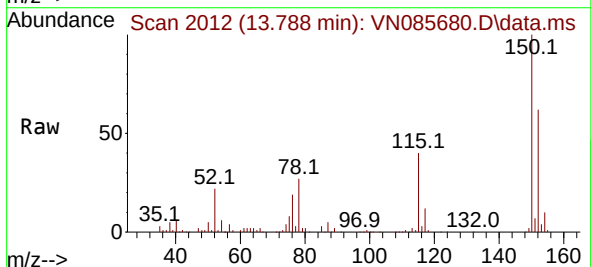
Instrument :
MSVOA_N
ClientSampleId :

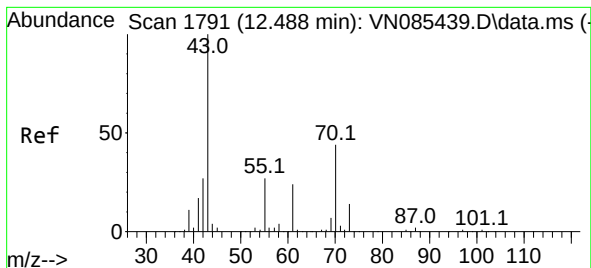
Tgt Ion:117 Resp: 343093
Ion Ratio Lower Upper
117 100
82 55.5 48.6 72.8
119 30.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085680.D
Acq: 05 Feb 2025 16:23

Tgt Ion:152 Resp: 119145
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.3
150 159.2 0.0 343.6





#74

N-amy1 acetate

Concen: 0.295 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085680.D

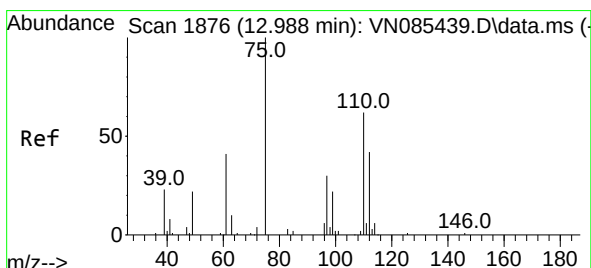
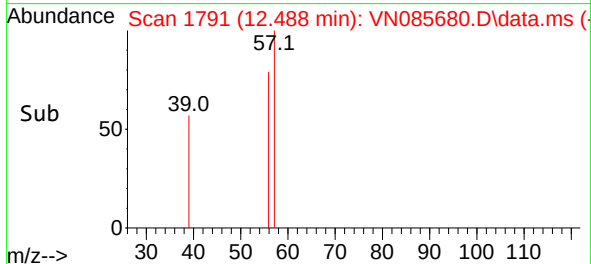
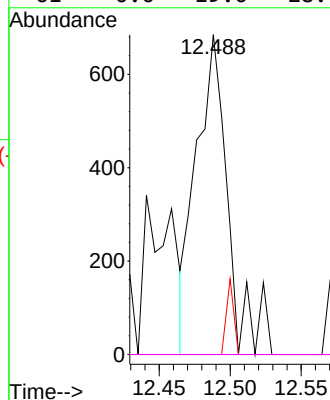
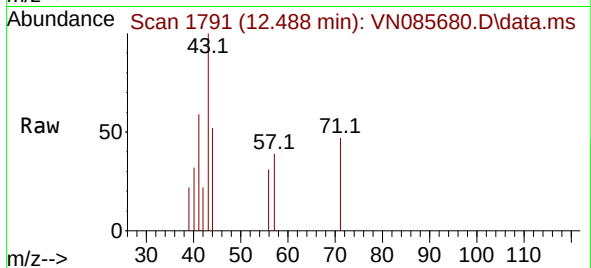
Acq: 05 Feb 2025 16:23

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 1065
Ion Ratio	Lower Upper
43	100
70	0.0 34.0 51.0#
55	5.4 21.4 32.2#
61	0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 29.676 ug/l

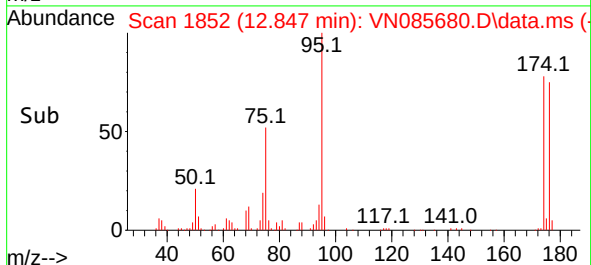
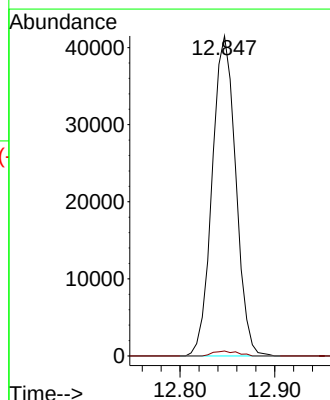
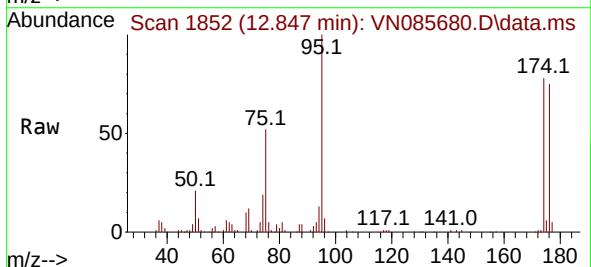
RT: 12.847 min Scan# 1852

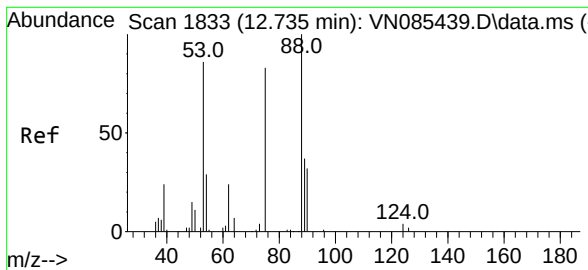
Delta R.T. -0.141 min

Lab File: VN085680.D

Acq: 05 Feb 2025 16:23

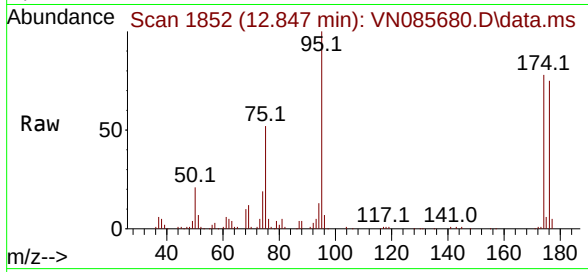
Tgt Ion: 75	Resp: 71865
Ion Ratio	Lower Upper
75	100
77	1.6 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.291 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085680.D
 Acq: 05 Feb 2025 16:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 71865
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

