

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085640.D
 Acq On : 03 Feb 2025 22:25
 Operator : JC\MD
 Sample : Q1242-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:01:27 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)

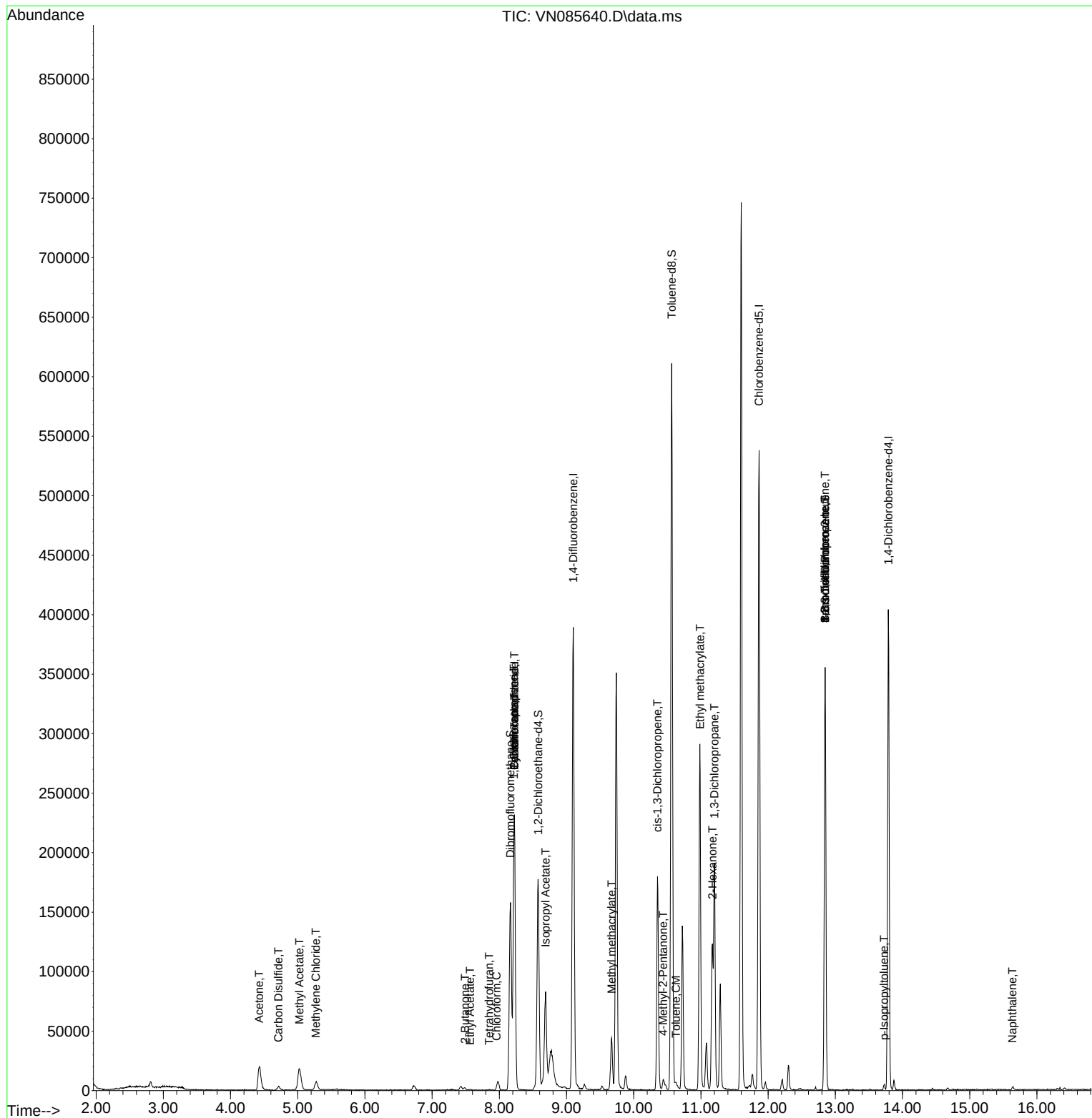
Internal Standards						
1) Pentafluorobenzene	8.224	168	157387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136866	53.873	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.740%			
35) Dibromofluoromethane	8.165	113	113534	49.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.420%			
50) Toluene-d8	10.565	98	423885	52.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.847	95	118154	42.561	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.120%			
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	39789	48.471	ug/l	99
17) Carbon Disulfide	4.712	76	2032	0.391	ug/l #	76
18) Methyl Acetate	5.024	43	39575	15.855	ug/l	97
20) Methylene Chloride	5.271	84	5477	2.695	ug/l #	76
25) 2-Butanone	7.489	43	3255	2.695	ug/l #	75
29) Tetrahydrofuran	7.847	42	158	0.206	ug/l #	34
30) Chloroform	7.959	83	1384	0.361	ug/l	90
31) Cyclohexane	8.224	56	4171	1.294	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15268	4.763	ug/l #	51
37) Ethyl Acetate	7.565	43	1061	0.328	ug/l #	70
38) Carbon Tetrachloride	8.224	117	17643	4.807	ug/l #	18
43) Isopropyl Acetate	8.688	43	91816	17.709	ug/l #	89
48) Methyl methacrylate	9.671	41	2993	1.283	ug/l #	48
51) 4-Methyl-2-Pentanone	10.435	43	9538	3.170	ug/l #	77
52) Toluene	10.630	92	2065	0.370	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	31008	8.493	ug/l #	66
56) Ethyl methacrylate	10.988	69	2060	2.463	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2063	0.537	ug/l #	43
59) 2-Hexanone	11.171	43	112950	53.354	ug/l #	26
71) Bromoform	12.847	173	855	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	64849	30.736	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64849	83.160	ug/l #	3
86) p-Isopropyltoluene	13.723	119	3127	0.610	ug/l	99
95) Naphthalene	15.635	128	3407	0.731	ug/l #	75

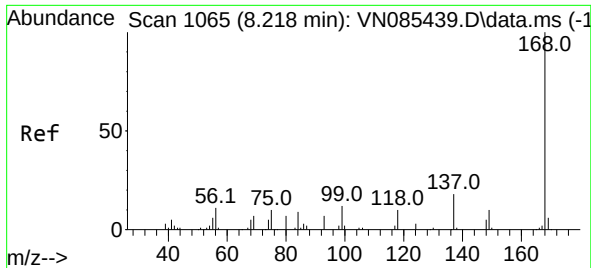
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

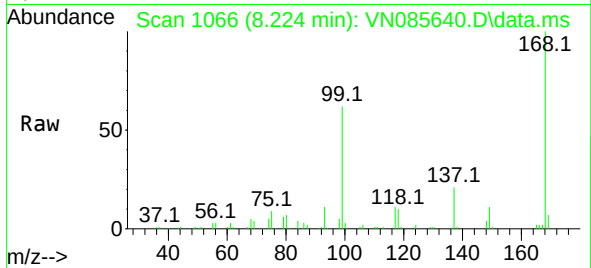
Quant Time: Feb 04 01:01:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



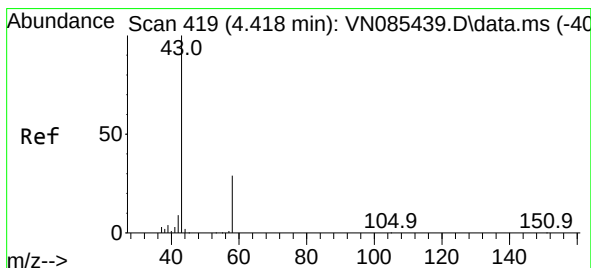
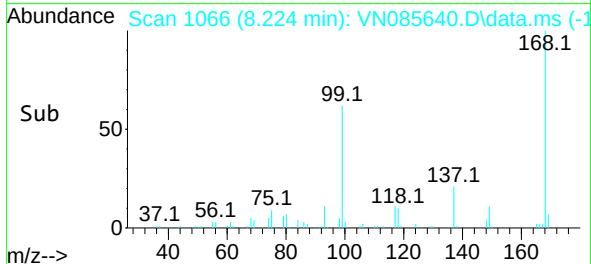
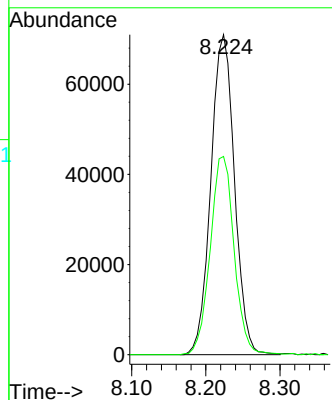


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :

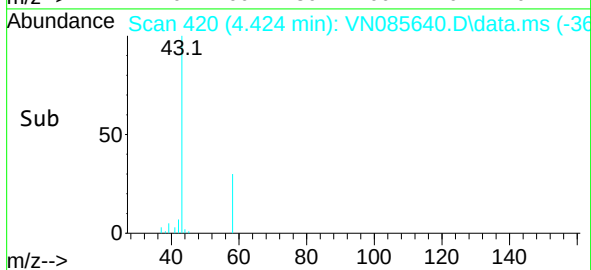
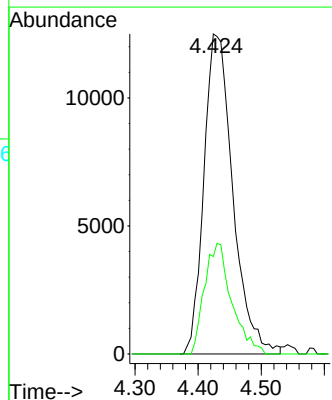
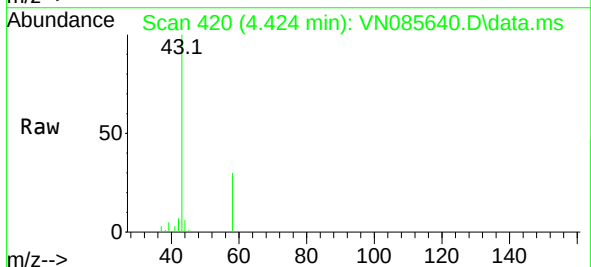


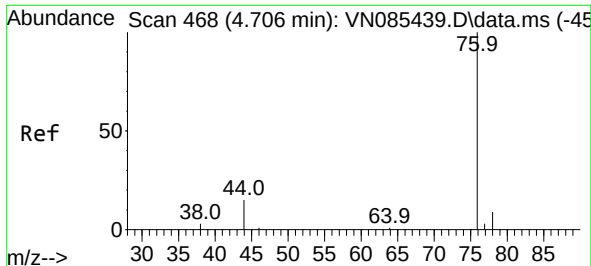
Tgt Ion:168 Resp: 157387
Ion Ratio Lower Upper
168 100
99 61.9 53.6 80.4



#16
Acetone
Concen: 48.471 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

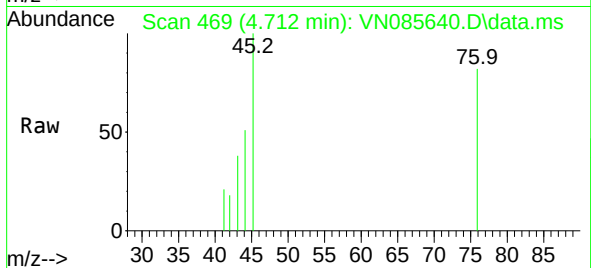
Tgt Ion: 43 Resp: 39789
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.6



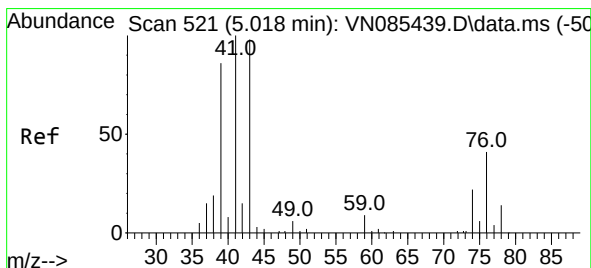
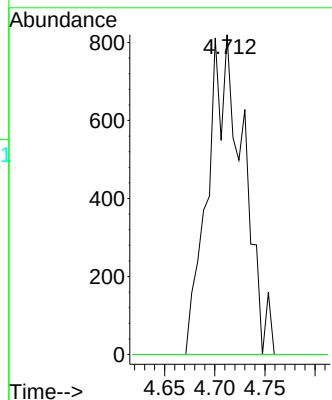
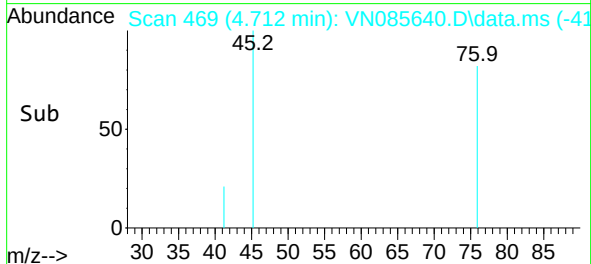


#17
Carbon Disulfide
Concen: 0.391 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

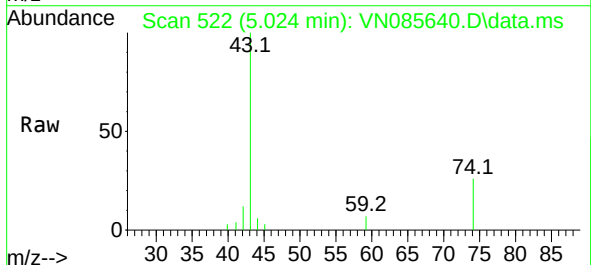
Instrument :
MSVOA_N
ClientSampleId :



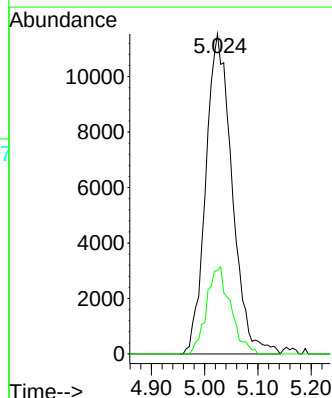
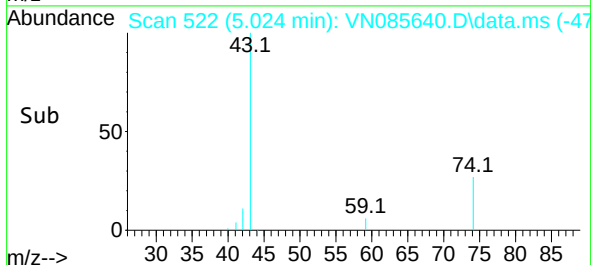
Tgt Ion: 76 Resp: 2032
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

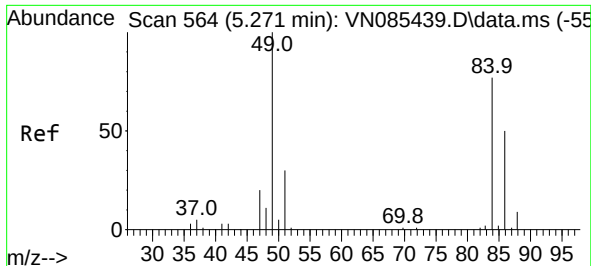


#18
Methyl Acetate
Concen: 15.855 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25



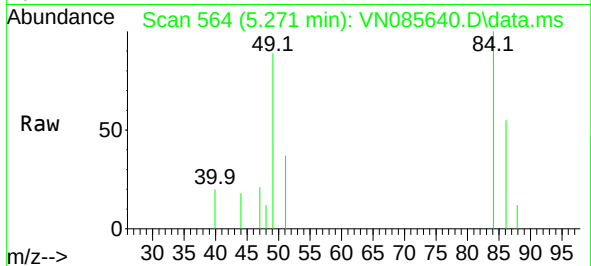
Tgt Ion: 43 Resp: 39575
Ion Ratio Lower Upper
43 100
74 24.8 18.6 28.0





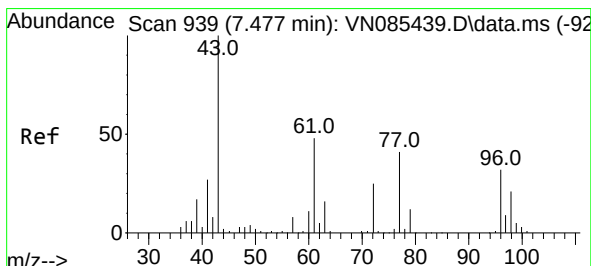
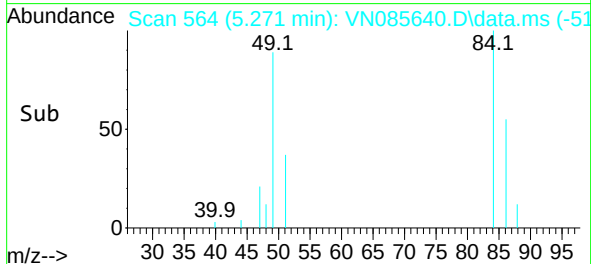
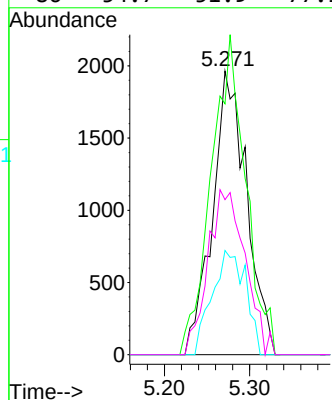
#20
Methylene Chloride
Concen: 2.695 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5477

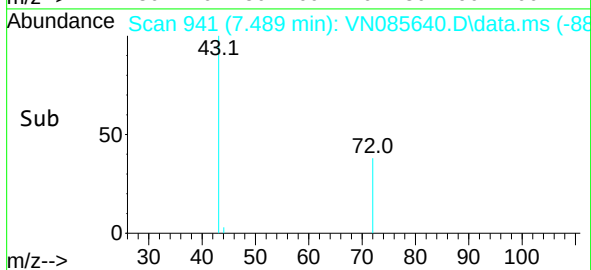
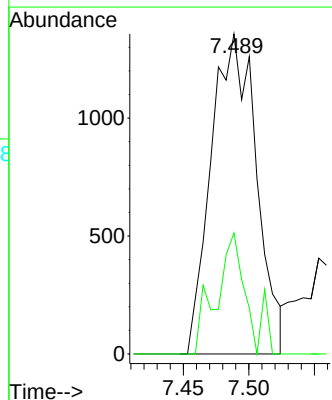
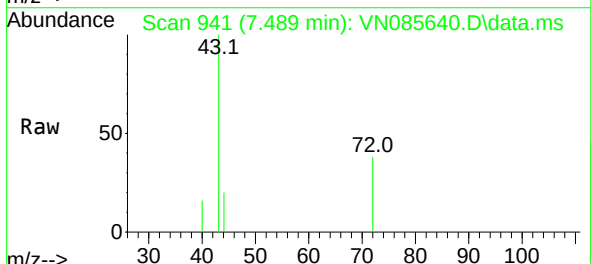
Ion	Ratio	Lower	Upper
84	100		
49	88.5	104.1	156.1#
51	36.8	31.0	46.4
86	54.7	51.9	77.9

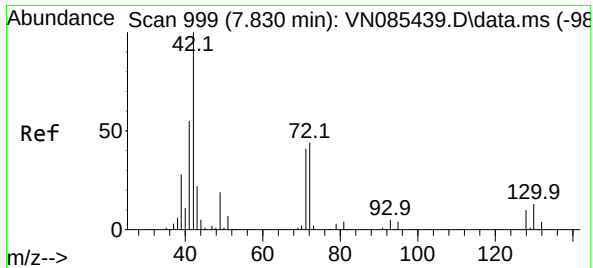


#25
2-Butanone
Concen: 2.695 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion: 43 Resp: 3255

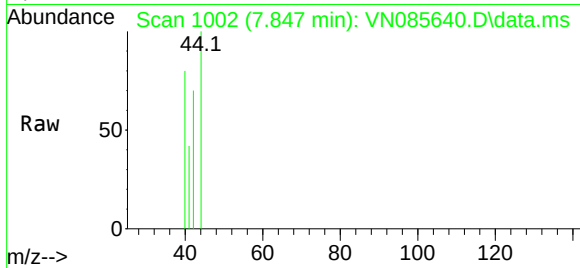
Ion	Ratio	Lower	Upper
43	100		
72	37.8	20.2	30.4#



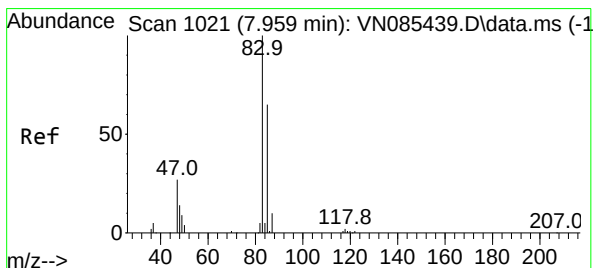
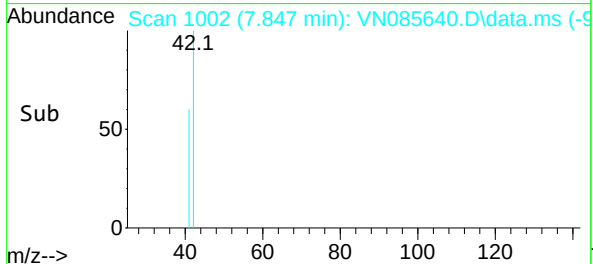
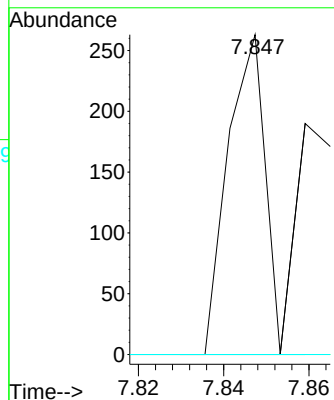


#29
Tetrahydrofuran
Concen: 0.206 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :

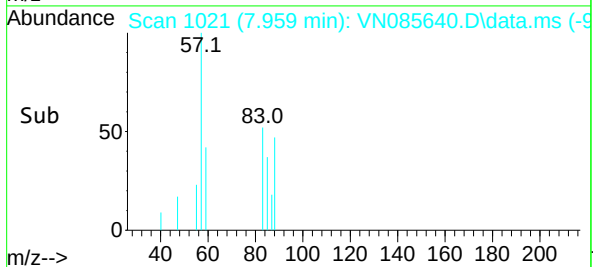
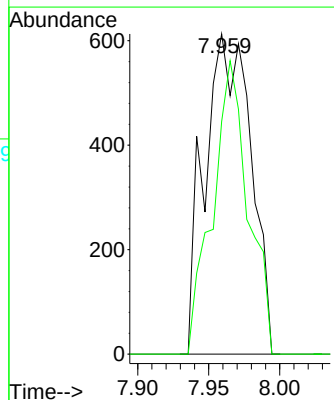
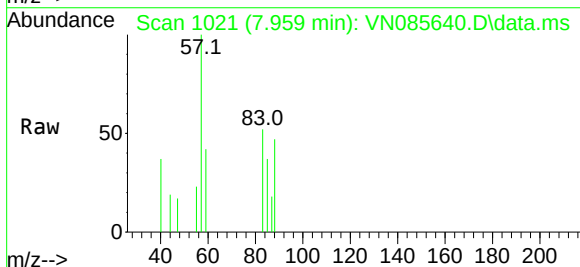


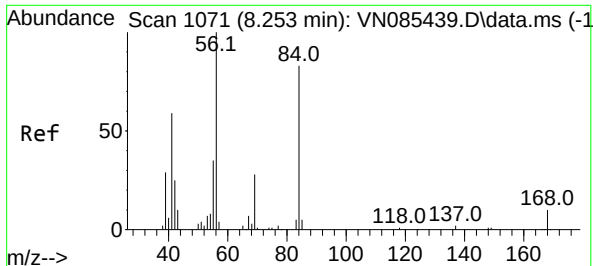
Tgt Ion: 42 Resp: 158
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#



#30
Chloroform
Concen: 0.361 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

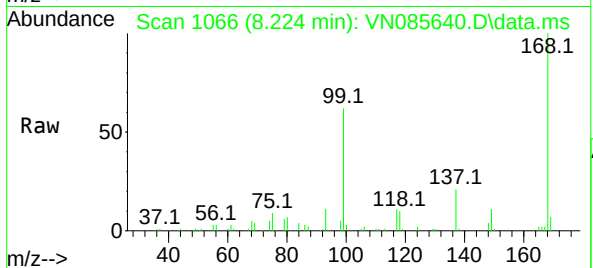
Tgt Ion: 83 Resp: 1384
Ion Ratio Lower Upper
83 100
85 72.6 51.8 77.6



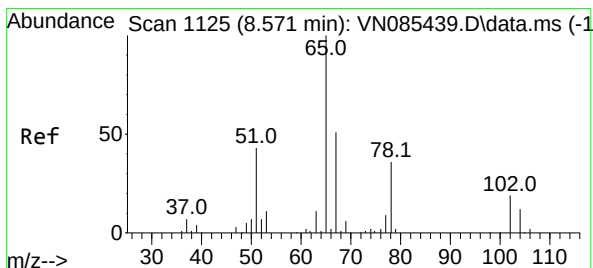
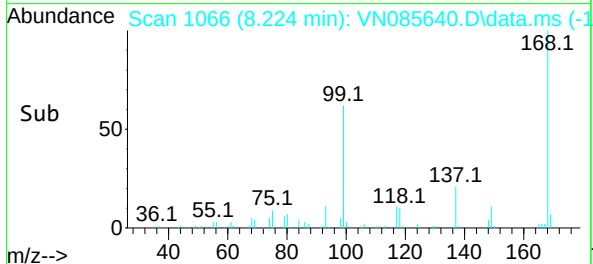
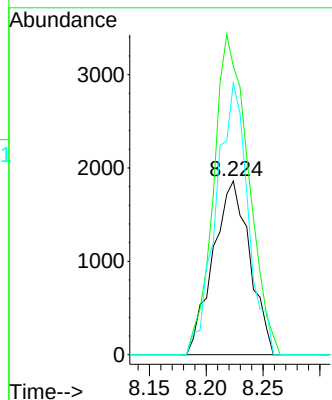


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :

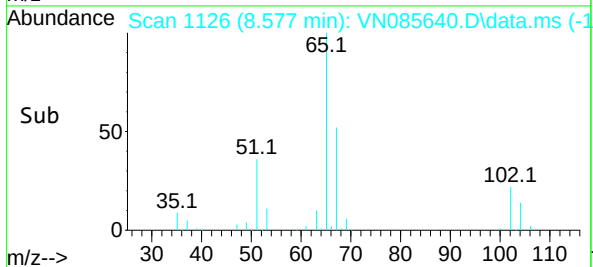
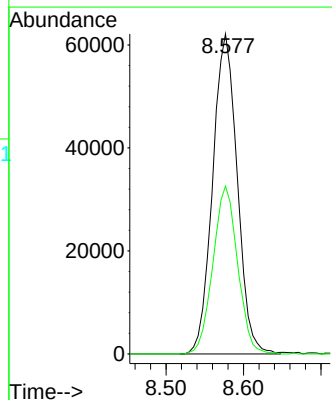
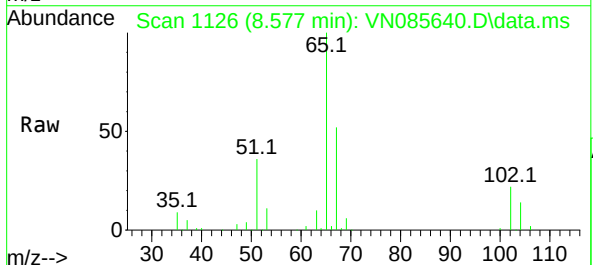


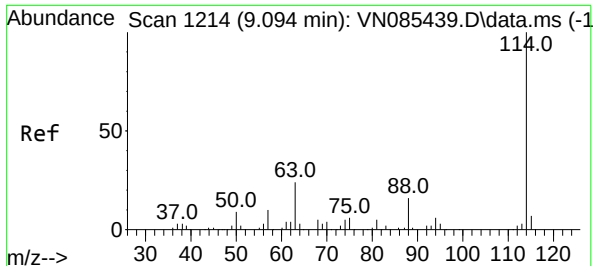
Tgt Ion: 56 Resp: 4171
Ion Ratio Lower Upper
56 100
69 166.1 22.2 33.4#
84 156.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.873 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion: 65 Resp: 136866
Ion Ratio Lower Upper
65 100
67 52.6 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: VN085640.D

Acq: 03 Feb 2025 22:25

Instrument :

MSVOA_N

ClientSampleId :

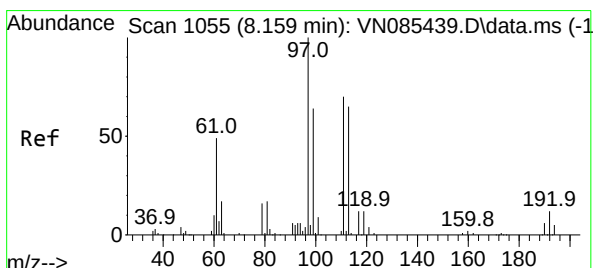
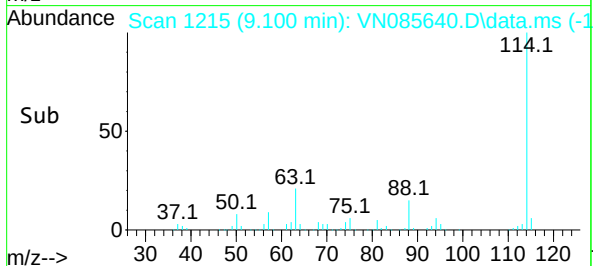
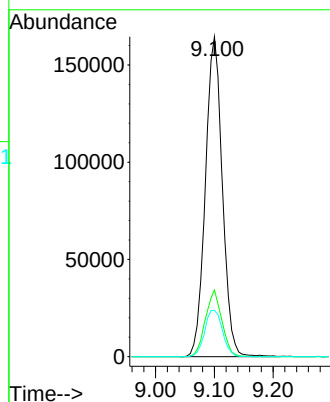
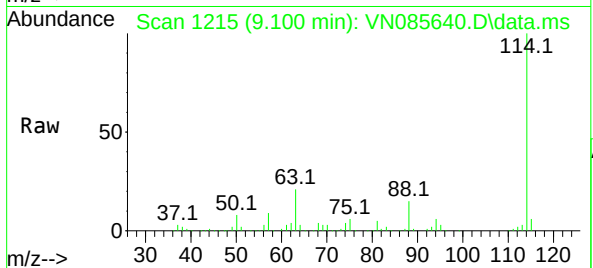
Tgt Ion:114 Resp: 329244

Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

88 14.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.705 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

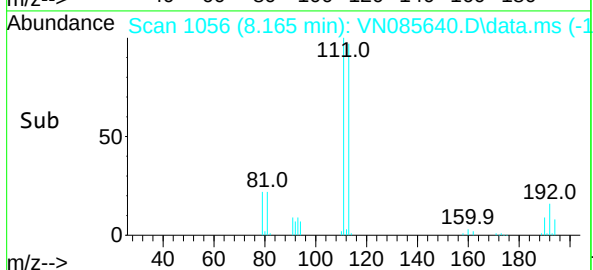
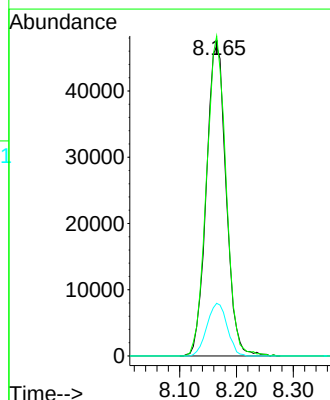
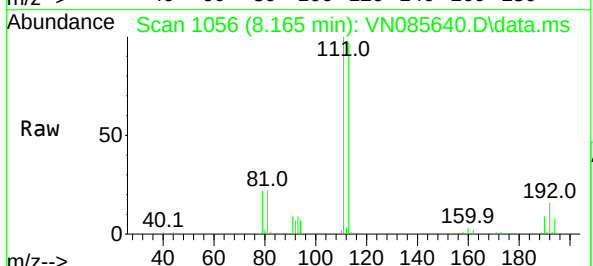
Tgt Ion:113 Resp: 113534

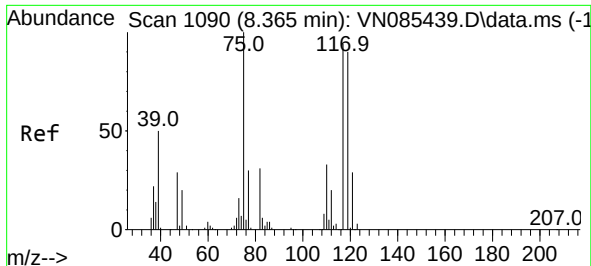
Ion Ratio Lower Upper

113 100

111 101.6 82.7 124.1

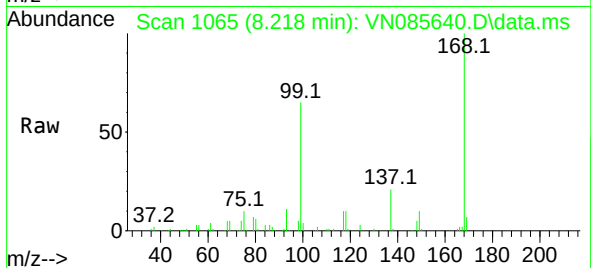
192 17.2 14.3 21.5



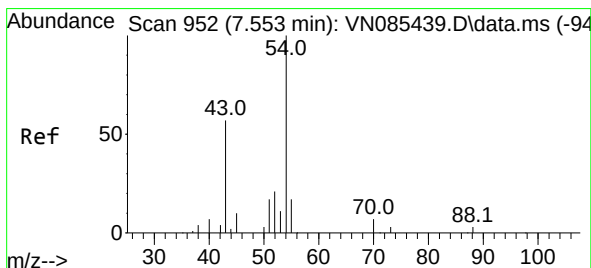
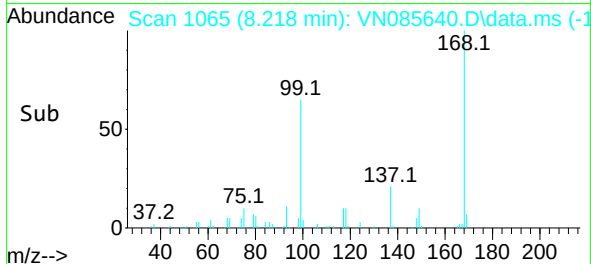
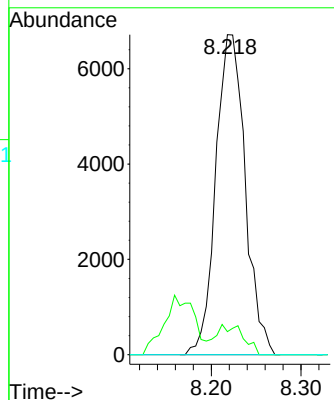


#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :

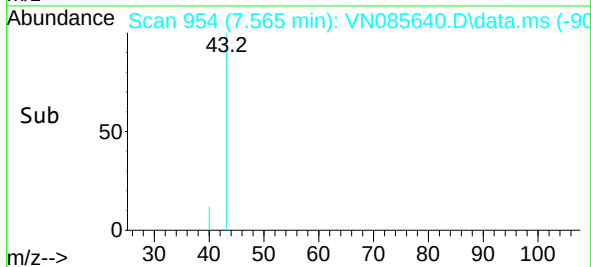
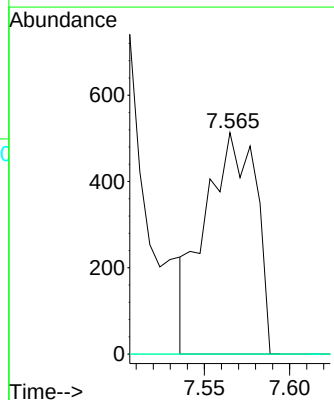
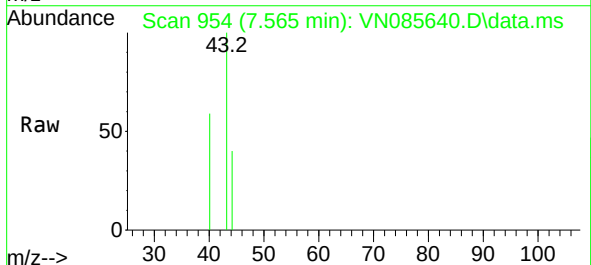


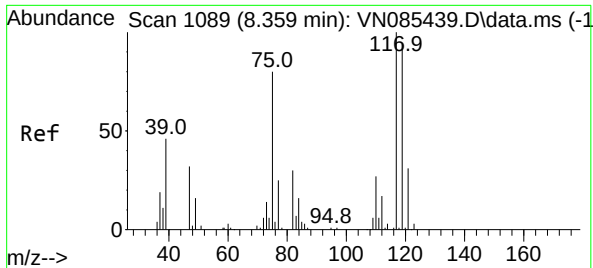
Tgt Ion: 75 Resp: 15268
Ion Ratio Lower Upper
75 100
110 8.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.328 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

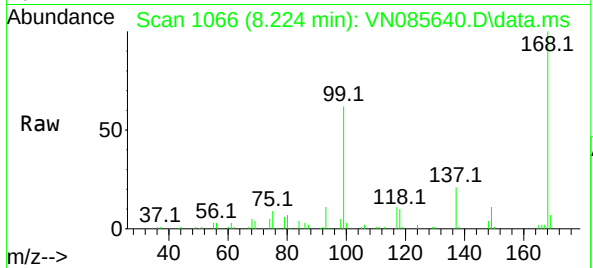
Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.5 11.3#



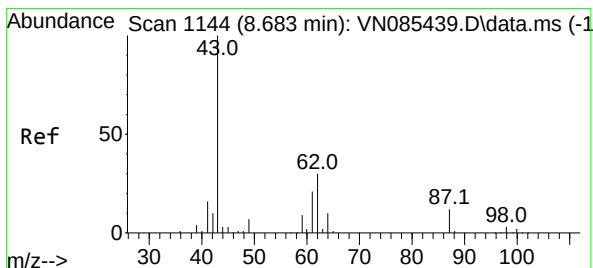
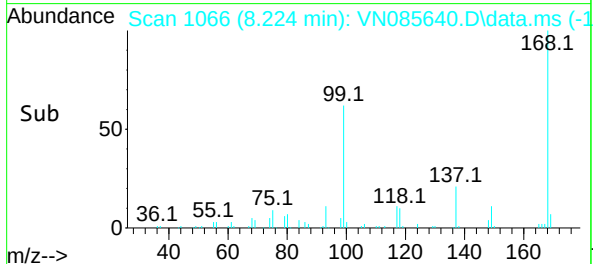
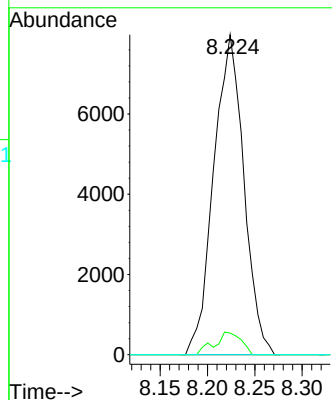


#38
Carbon Tetrachloride
Concen: 4.807 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :

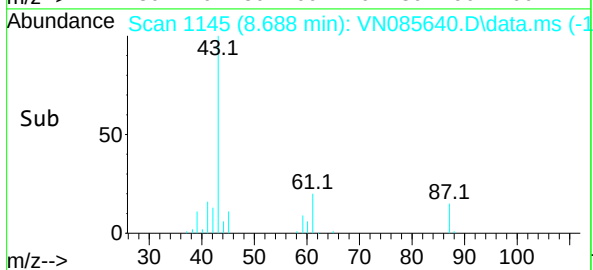
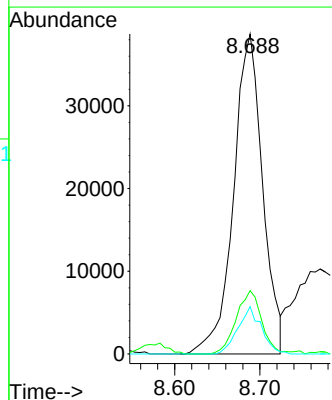
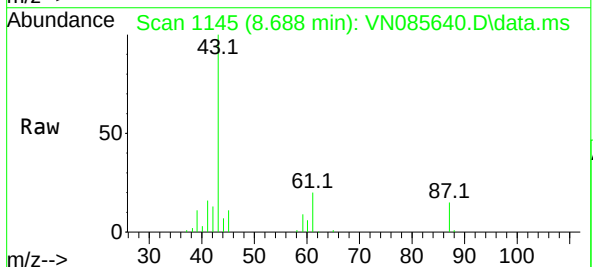


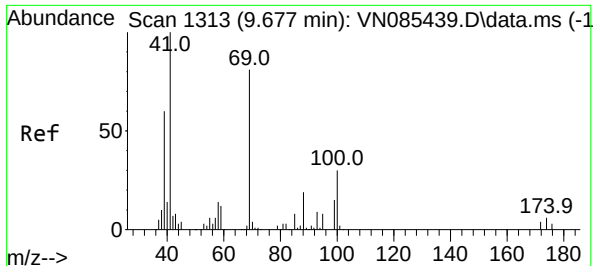
Tgt Ion:117 Resp: 17643
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 17.709 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion: 43 Resp: 91816
Ion Ratio Lower Upper
43 100
61 17.6 20.7 31.1#
87 11.9 9.8 14.8





#48

Methyl methacrylate

Concen: 1.283 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

Instrument :

MSVOA_N

ClientSampleId :

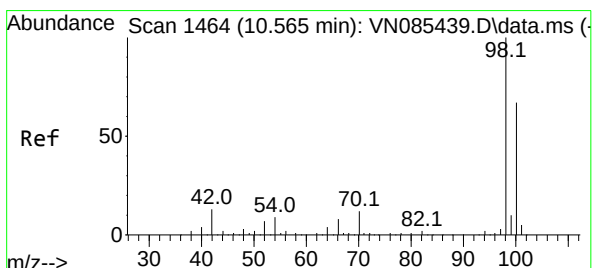
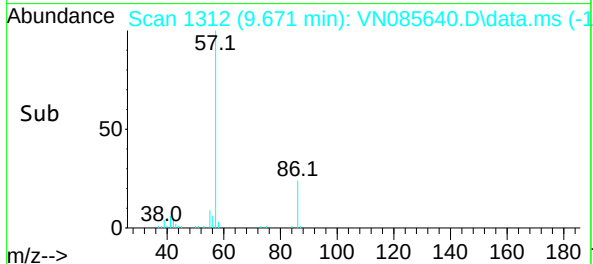
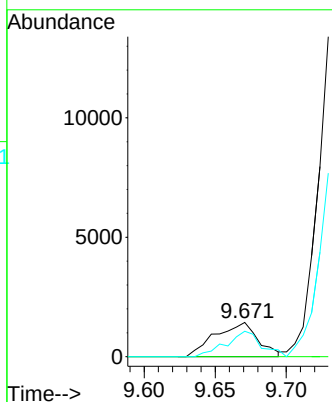
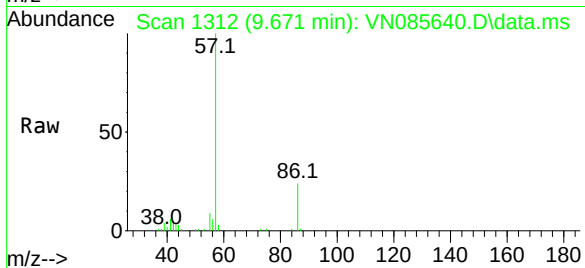
Tgt Ion: 41 Resp: 2993

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 60.8 49.0 73.6



#50

Toluene-d8

Concen: 52.231 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085640.D

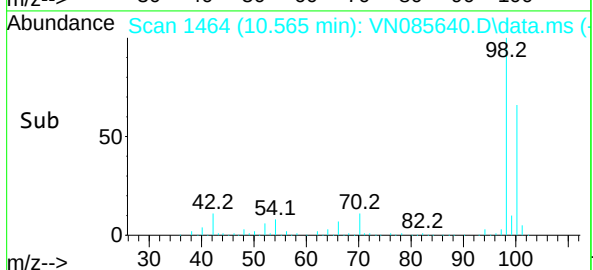
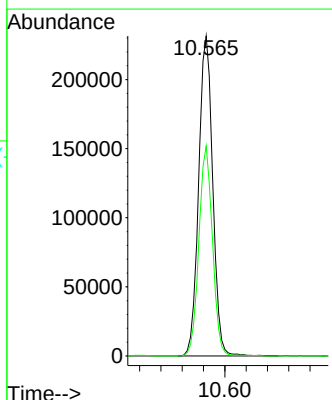
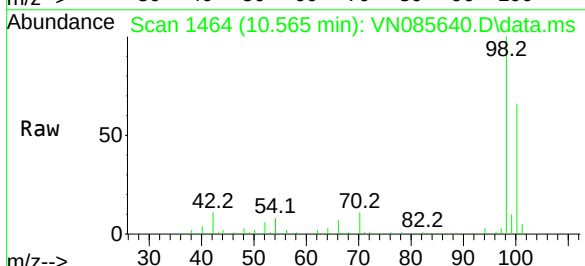
Acq: 03 Feb 2025 22:25

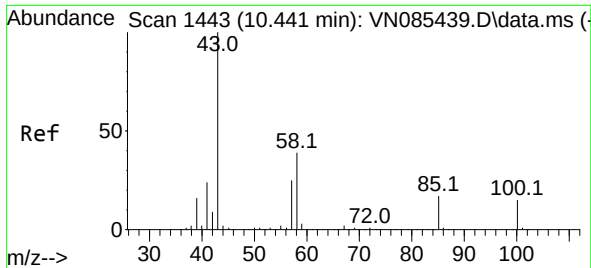
Tgt Ion: 98 Resp: 423885

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.4

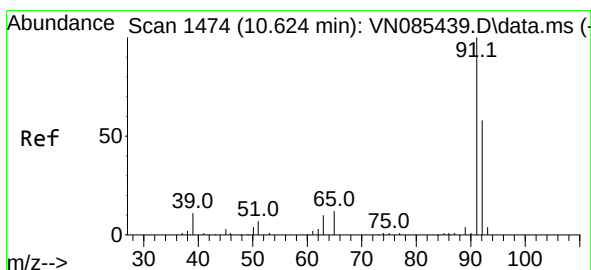
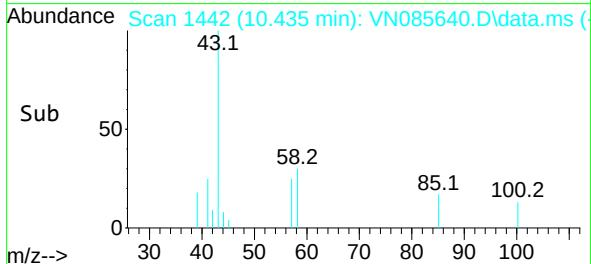
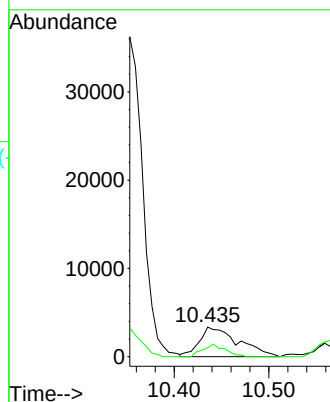
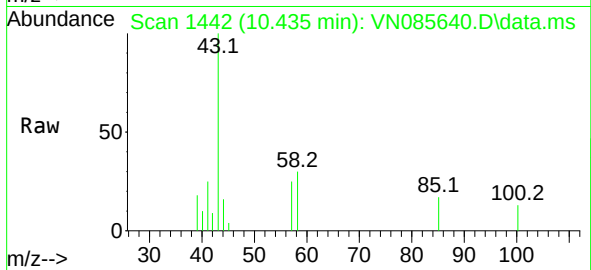




#51
4-Methyl-2-Pentanone
Concen: 3.170 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

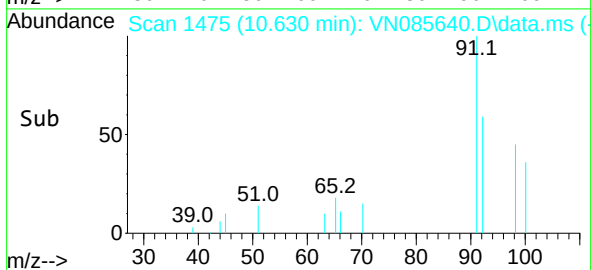
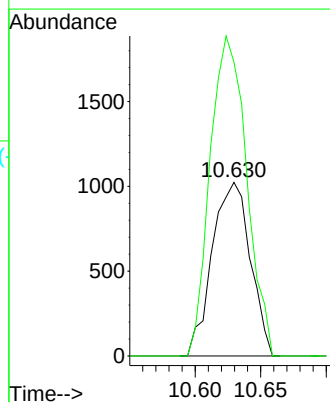
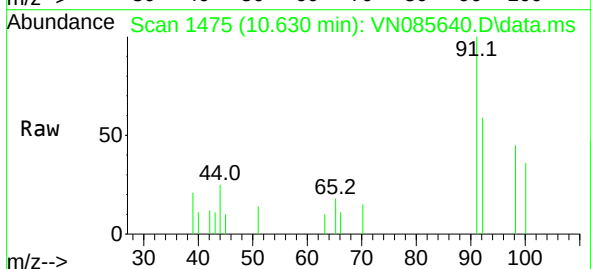
Instrument :
MSVOA_N
ClientSampleId :

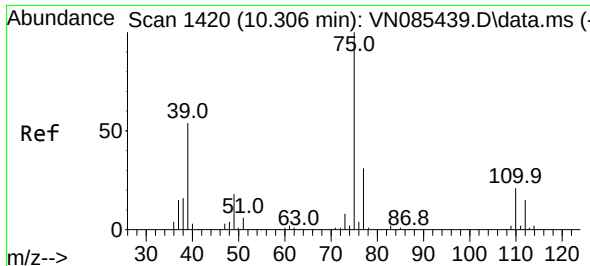
Tgt Ion: 43 Resp: 9538
Ion Ratio Lower Upper
43 100
58 24.3 30.5 45.7#



#52
Toluene
Concen: 0.370 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion: 92 Resp: 2065
Ion Ratio Lower Upper
92 100
91 176.9 139.2 208.8

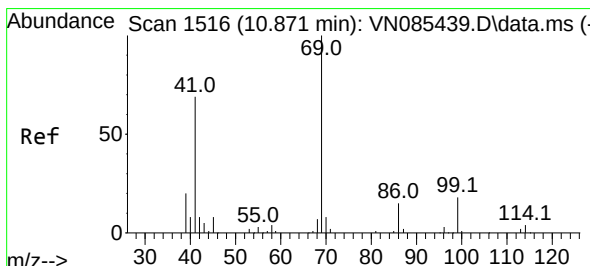
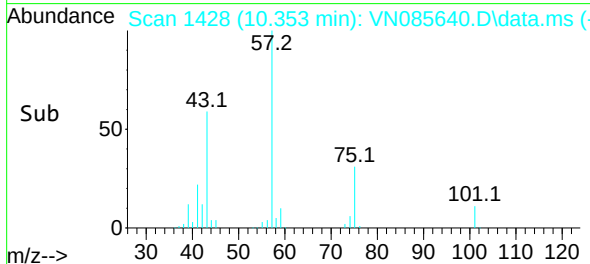
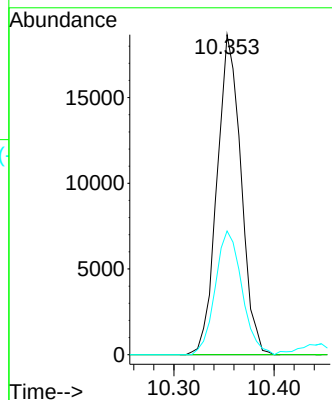
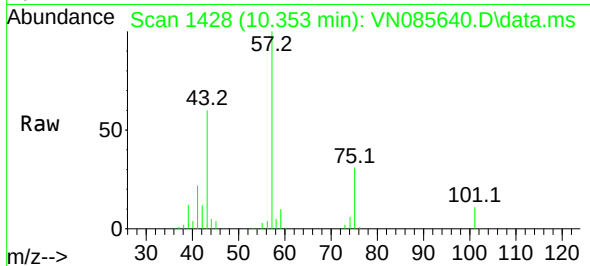




#54
 cis-1,3-Dichloropropene
 Concen: 8.493 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085640.D
 Acq: 03 Feb 2025 22:25

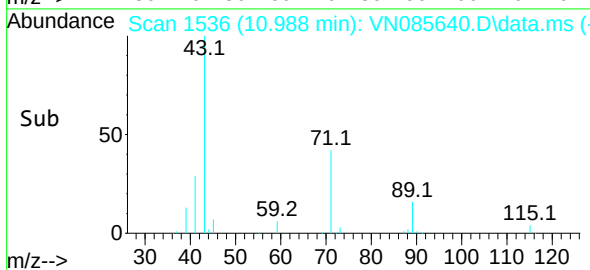
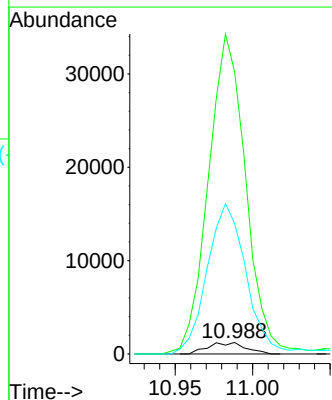
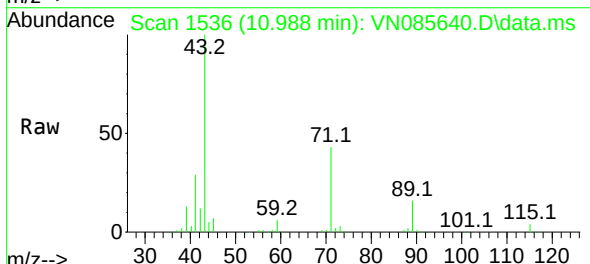
Instrument :
 MSVOA_N
 ClientSampleId :

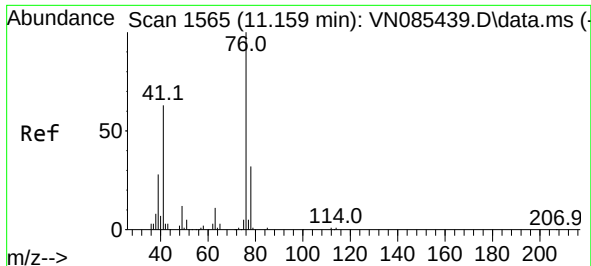
Tgt Ion: 75 Resp: 31008
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 38.7 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.463 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085640.D
 Acq: 03 Feb 2025 22:25

Tgt Ion: 69 Resp: 2060
 Ion Ratio Lower Upper
 69 100
 41 2787.3 54.6 82.0#
 39 1379.2 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 0.537 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

Instrument :

MSVOA_N

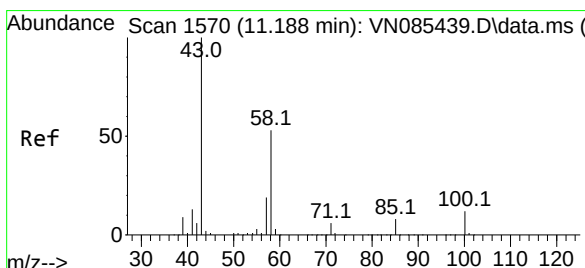
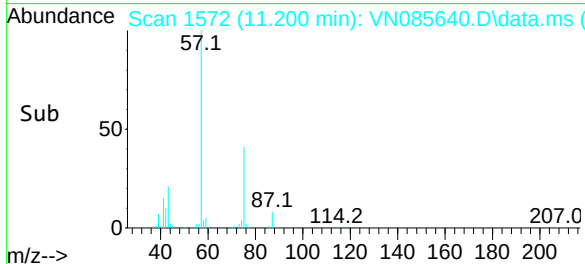
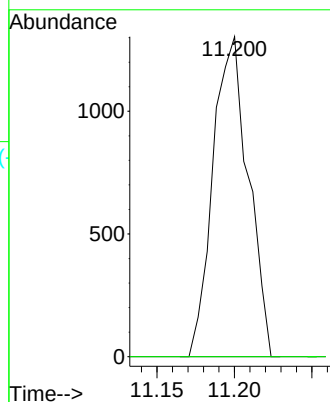
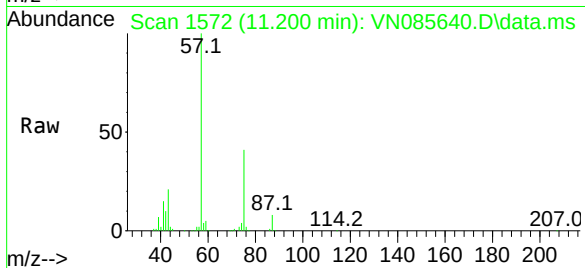
ClientSampleId :

Tgt Ion: 76 Resp: 2063

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 53.354 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085640.D

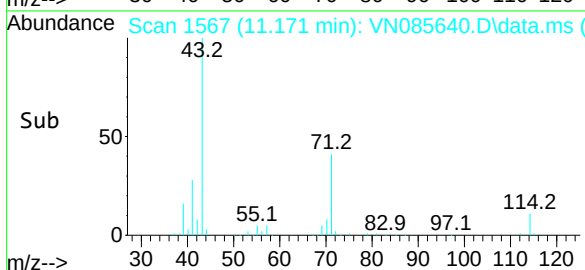
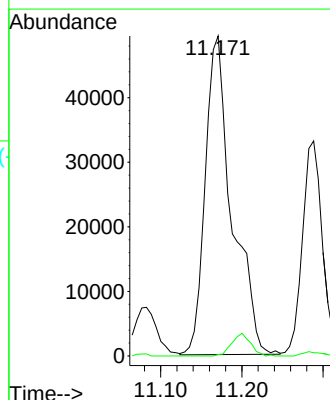
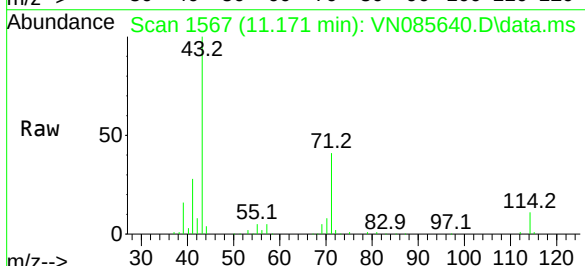
Acq: 03 Feb 2025 22:25

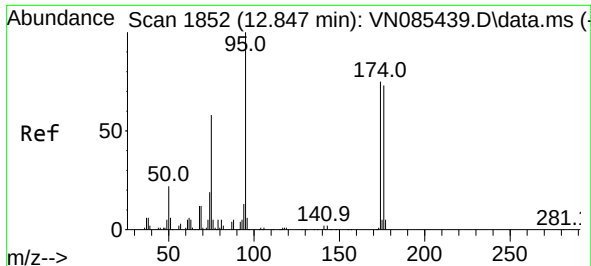
Tgt Ion: 43 Resp: 112950

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

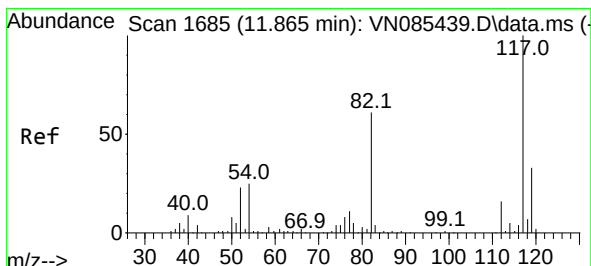
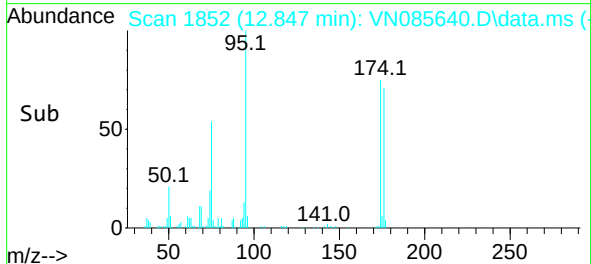
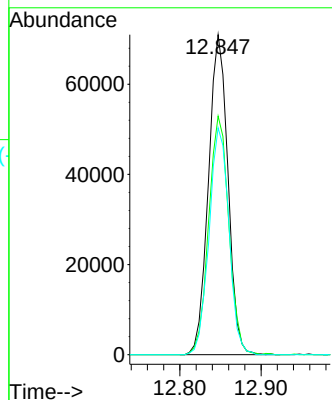
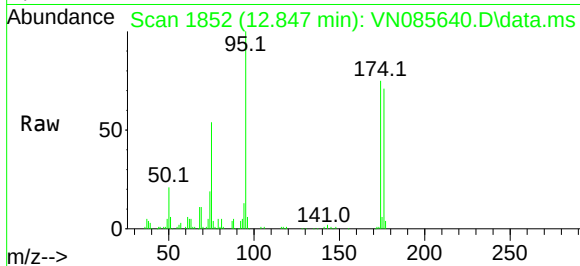




#62
4-Bromofluorobenzene
Concen: 42.561 ug/l
RT: 12.847 min Scan# 118154
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

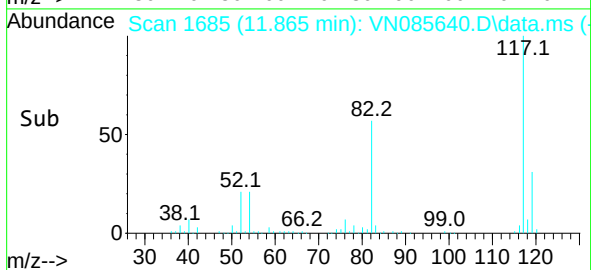
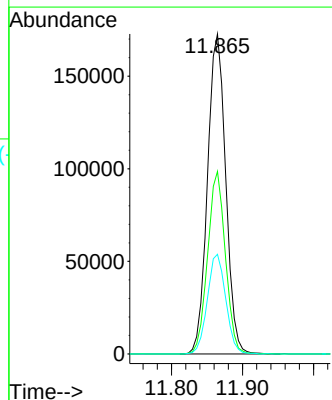
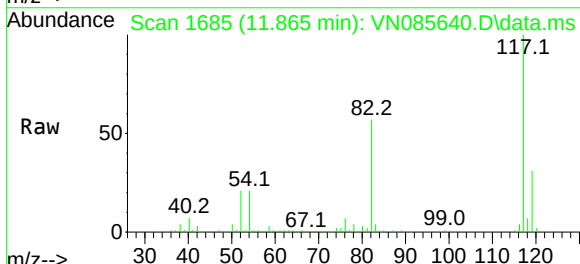
Instrument :
MSVOA_N
ClientSampleId :

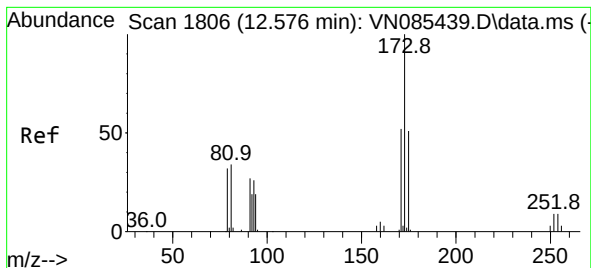
Tgt Ion: 95 Resp: 118154
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 72.1 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion: 117 Resp: 308219
Ion Ratio Lower Upper
117 100
82 57.0 48.6 72.8
119 31.2 26.6 39.8





#71

Bromoform

Concen: 0.482 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

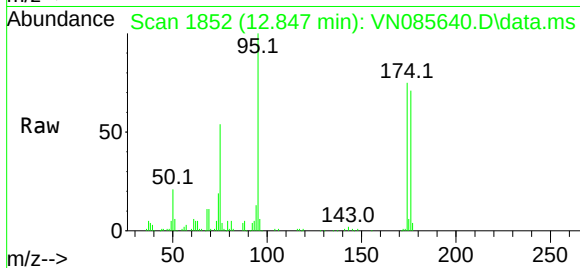
Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

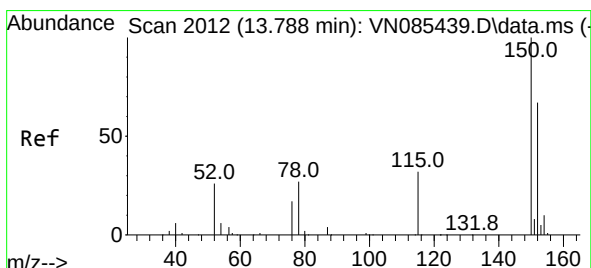
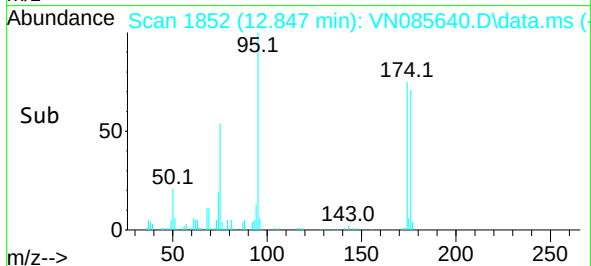
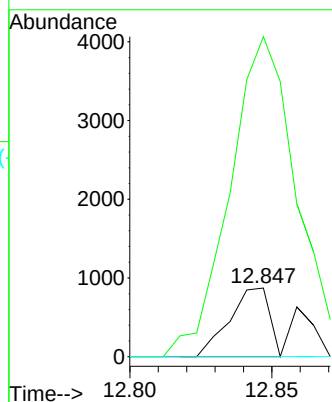
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	855
Ion Ratio	Lower	Upper	
173	100		
175	614.9	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

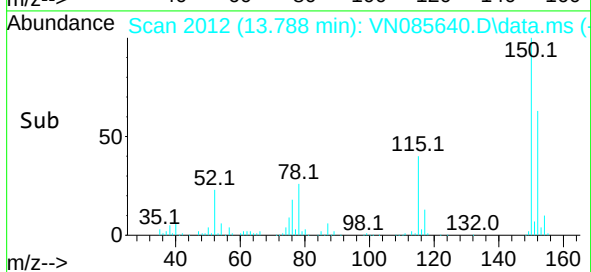
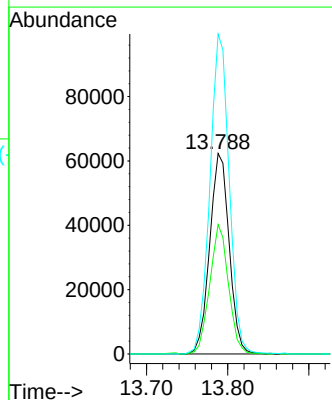
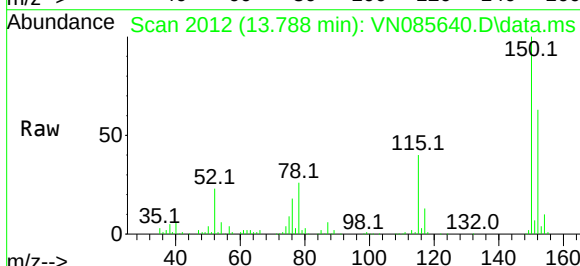
RT: 13.788 min Scan# 2012

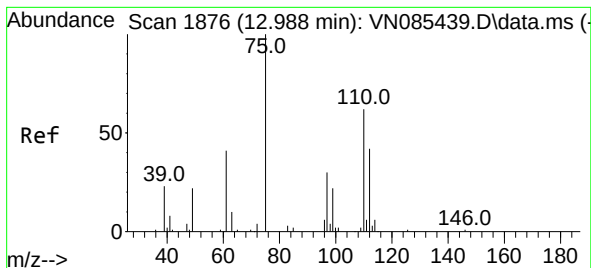
Delta R.T. 0.000 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

Tgt Ion:	152	Resp:	103804
Ion Ratio	Lower	Upper	
152	100		
115	62.0	31.1	93.3
150	157.8	0.0	343.6





#76

1,2,3-Trichloropropane

Concen: 30.736 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

Instrument :

MSVOA_N

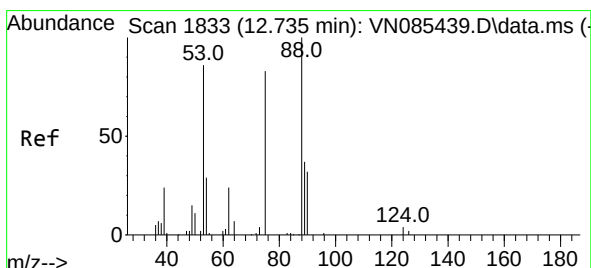
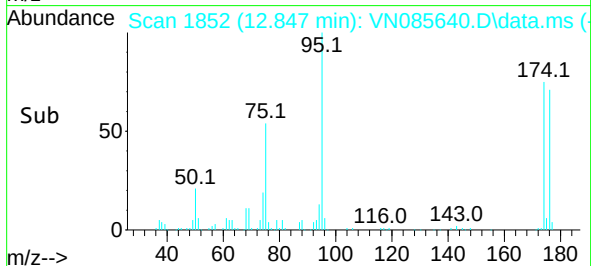
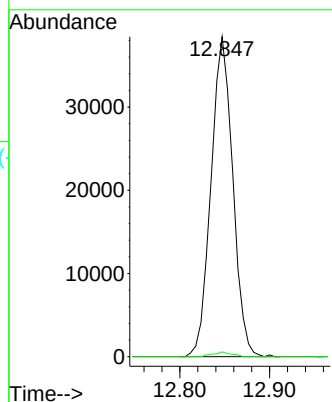
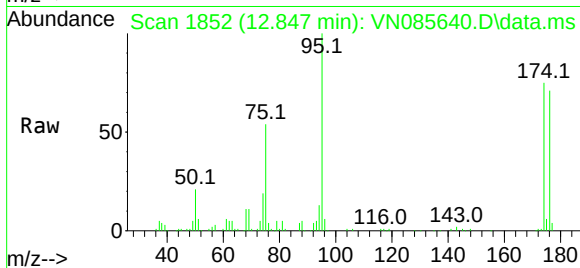
ClientSampleId :

Tgt Ion: 75 Resp: 64849

Ion Ratio Lower Upper

75 100

77 1.3 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.160 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085640.D

Acq: 03 Feb 2025 22:25

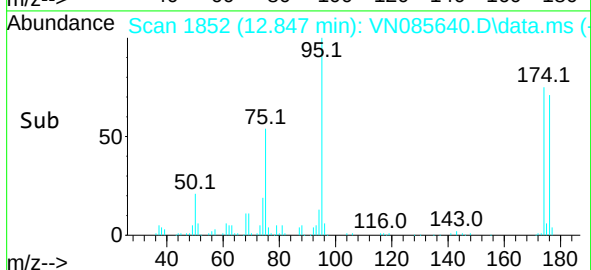
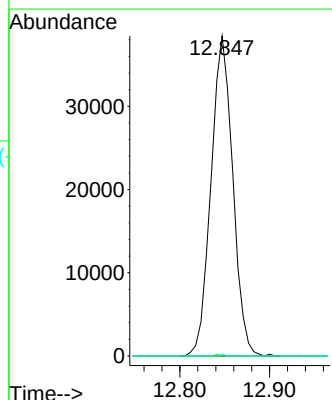
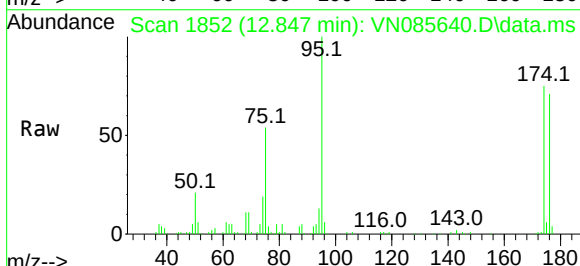
Tgt Ion: 75 Resp: 64849

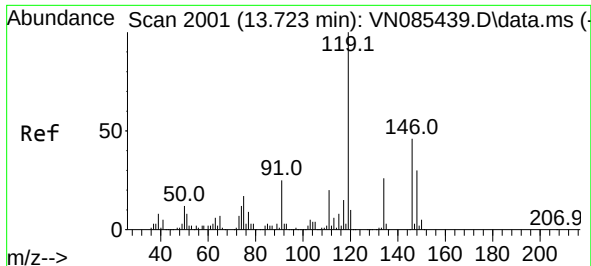
Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

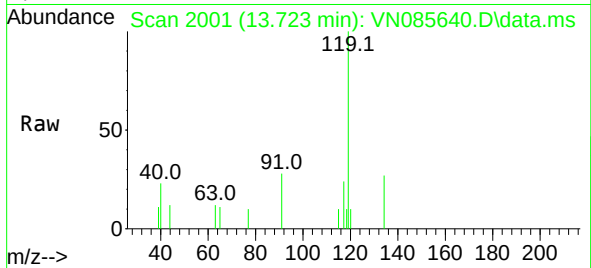
89 0.1 37.0 55.6#



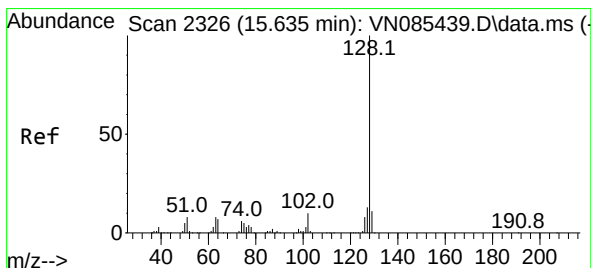
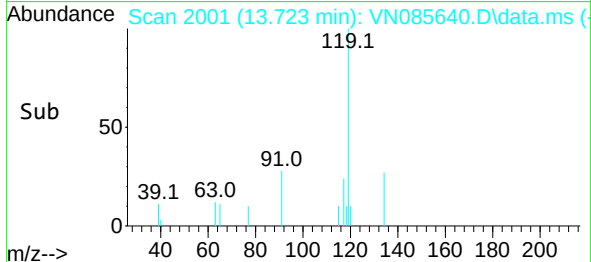
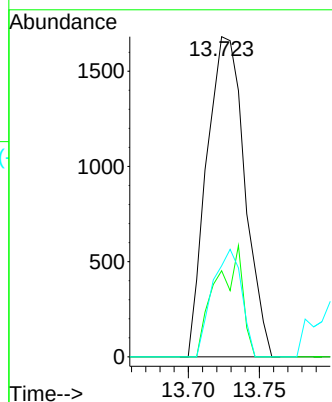


#86
p-Isopropyltoluene
Concen: 0.610 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	119	Resp:	3127
Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.7	38.0
91	25.8	12.7	38.1



#95
Naphthalene
Concen: 0.731 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085640.D
Acq: 03 Feb 2025 22:25

Tgt Ion:	128	Resp:	3407
Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.6	16.0#
129	0.0	8.8	13.2#

