

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085618.D
 Acq On : 03 Feb 2025 13:34
 Operator : JC\MD
 Sample : VN0203WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:57:44 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)

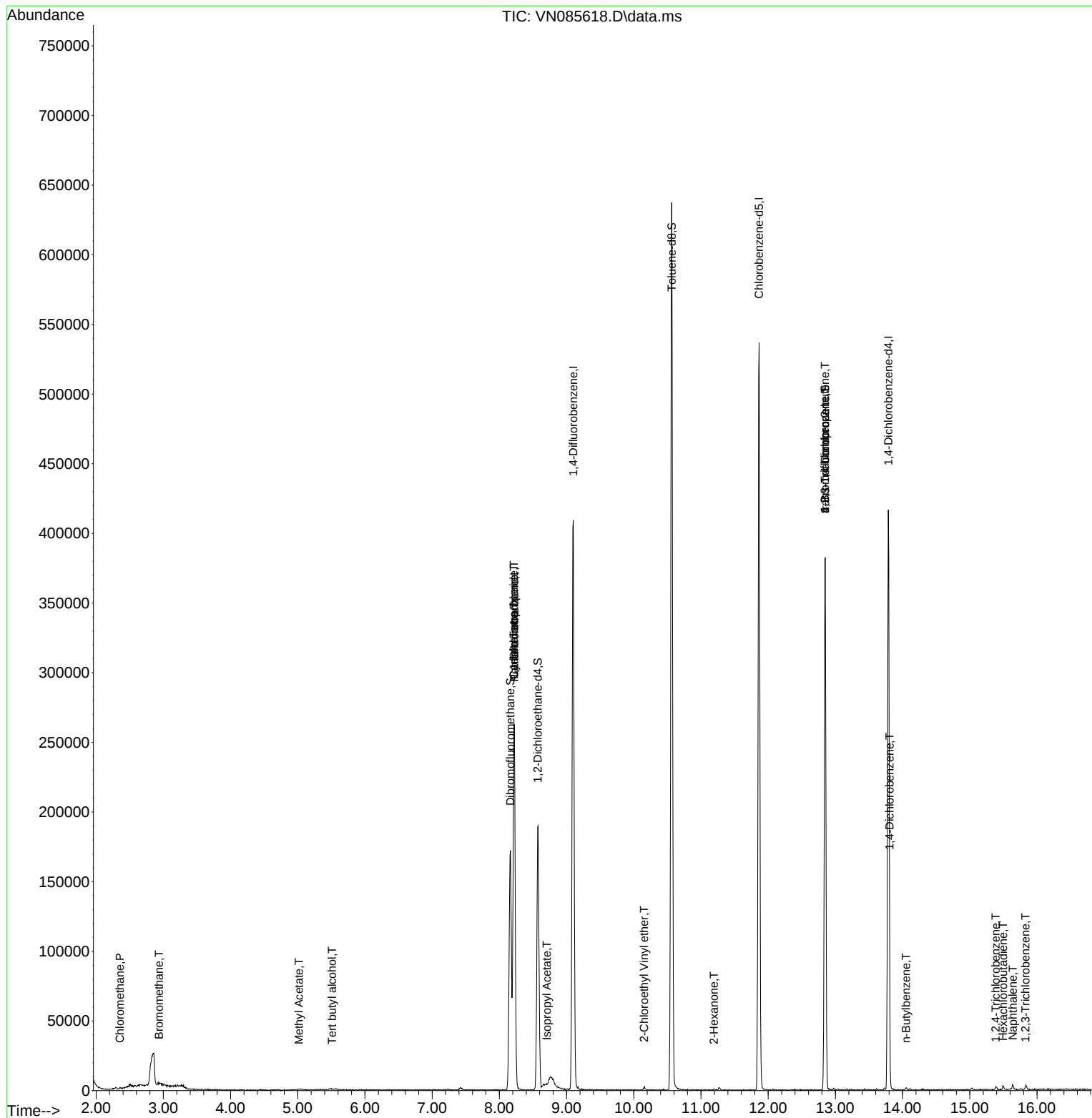
Internal Standards						
1) Pentafluorobenzene	8.224	168	183958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149772	50.437	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.880%	
35) Dibromofluoromethane	8.165	113	124502	50.577	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	10.565	98	438134	50.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.847	95	127520	42.623	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	565	0.210	ug/l #	38
5) Bromomethane	2.936	94	1037	0.633	ug/l #	64
11) Tert butyl alcohol	5.512	59	132	0.388	ug/l #	71
18) Methyl Acetate	5.018	43	750	0.257	ug/l #	85
31) Cyclohexane	8.218	56	5048	1.340	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16806	4.865	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20490	5.181	ug/l #	18
43) Isopropyl Acetate	8.706	43	5048	0.903	ug/l #	55
58) 2-Chloroethyl Vinyl ether	10.153	63	1180	0.781	ug/l	90
59) 2-Hexanone	11.194	43	789	0.346	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	67181	29.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67181	79.851	ug/l #	3
88) 1,4-Dichlorobenzene	13.806	146	777	0.206	ug/l #	1
89) n-Butylbenzene	14.053	91	1510	0.290	ug/l	85
93) 1,2,4-Trichlorobenzene	15.388	180	988	0.586	ug/l #	77
94) Hexachlorobutadiene	15.494	225	912	1.019	ug/l #	69
95) Naphthalene	15.641	128	4529	0.900	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.829	180	1469	0.861	ug/l	90

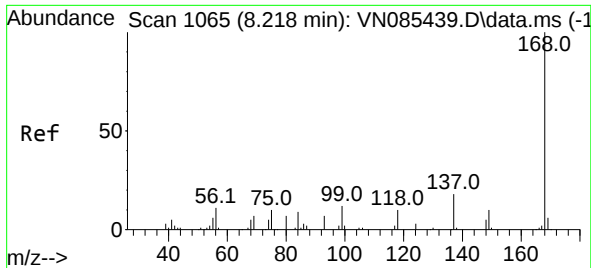
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

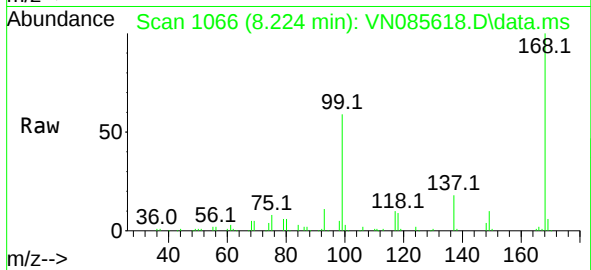
Quant Time: Feb 04 00:57:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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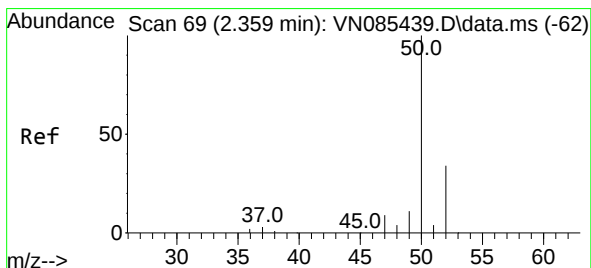
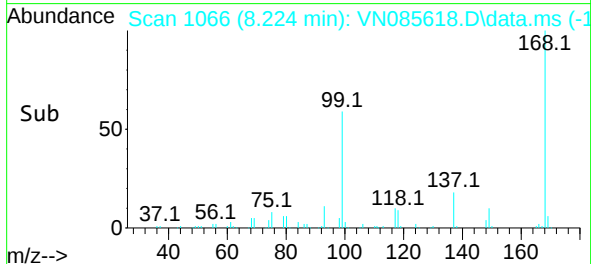
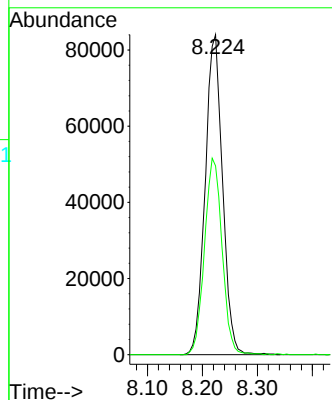


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :

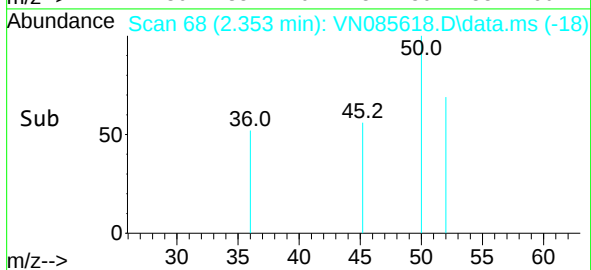
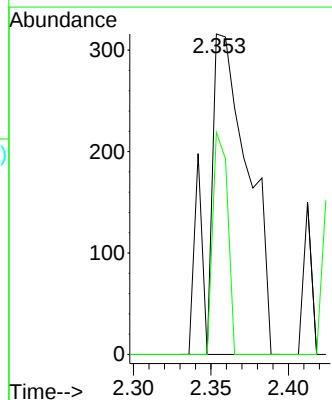
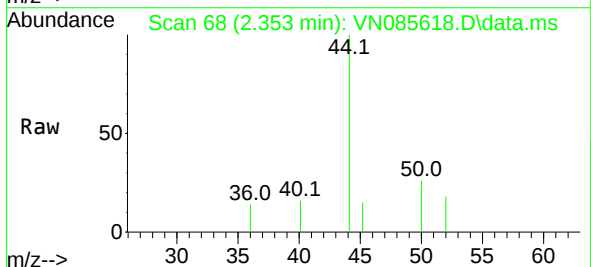


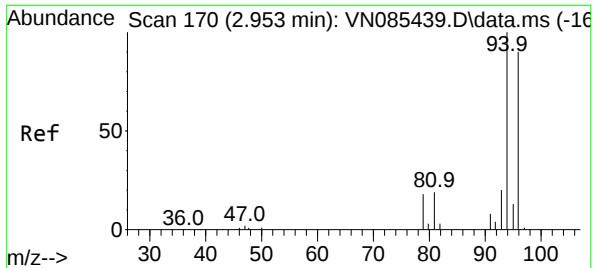
Tgt Ion:168 Resp: 183958
Ion Ratio Lower Upper
168 100
99 59.0 53.6 80.4



#3
Chloromethane
Concen: 0.210 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

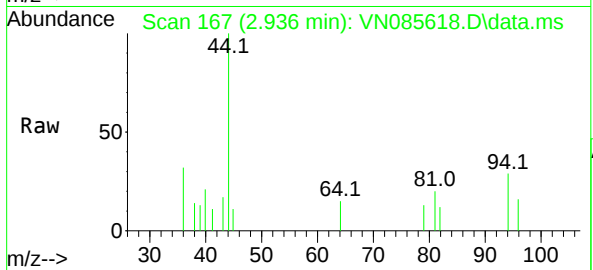
Tgt Ion: 50 Resp: 565
Ion Ratio Lower Upper
50 100
52 69.3 27.0 40.6#



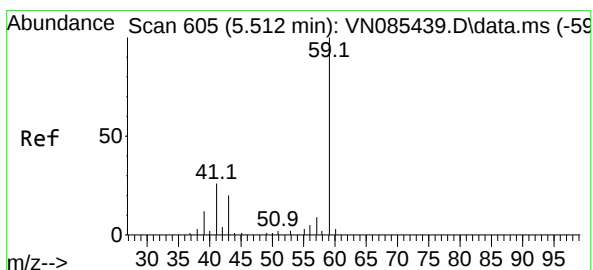
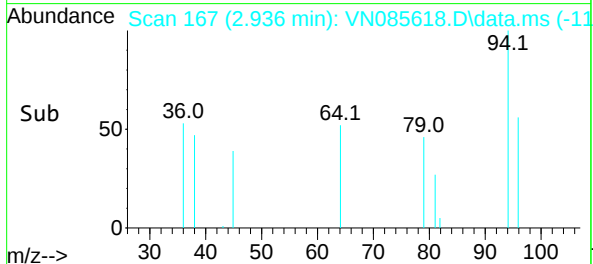
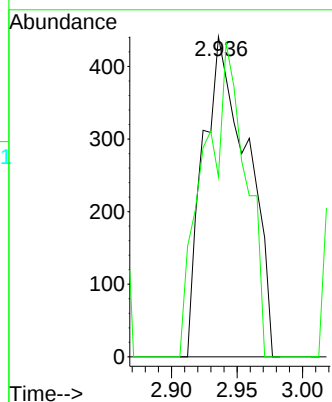


#5
Bromomethane
Concen: 0.633 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :

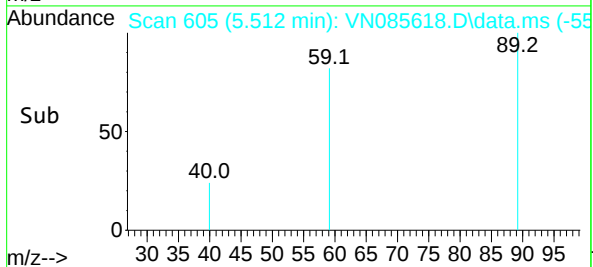
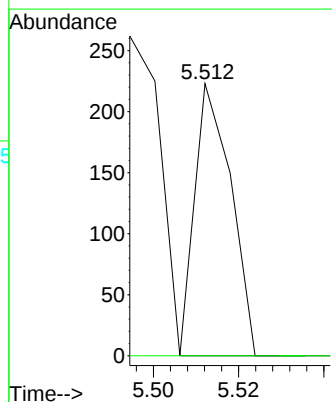
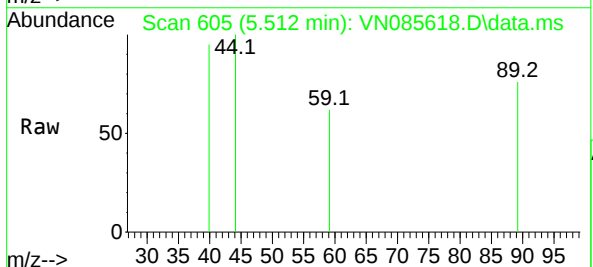


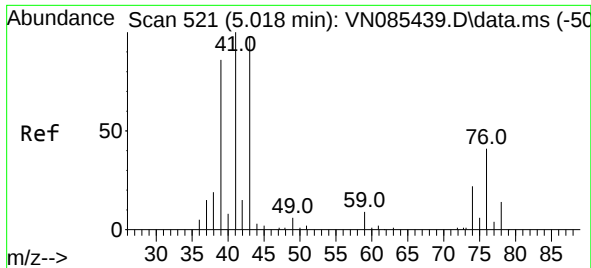
Tgt Ion: 94 Resp: 1037
Ion Ratio Lower Upper
94 100
96 56.2 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.388 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

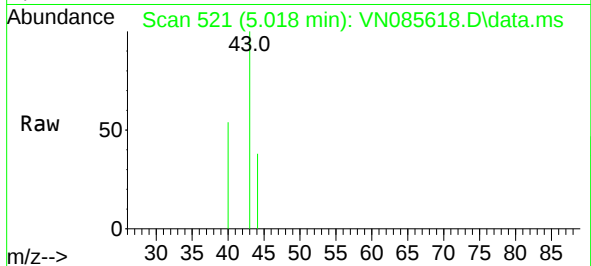
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



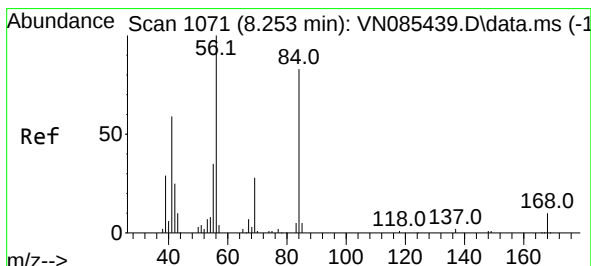
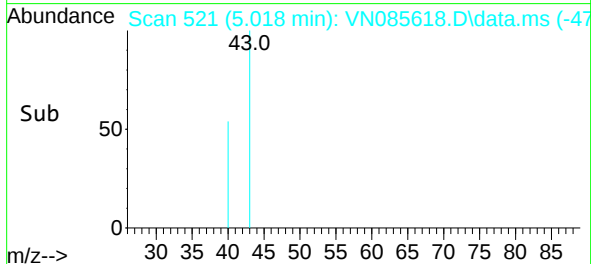
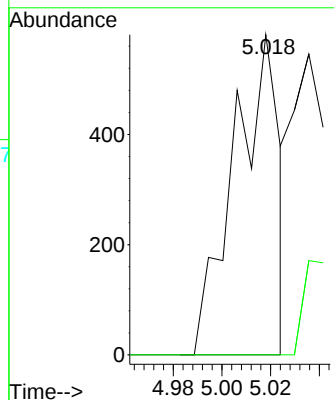


#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :

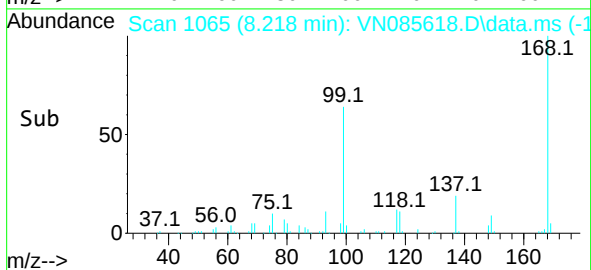
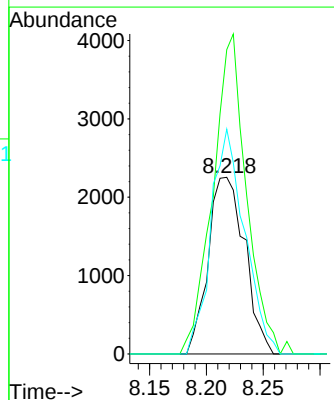
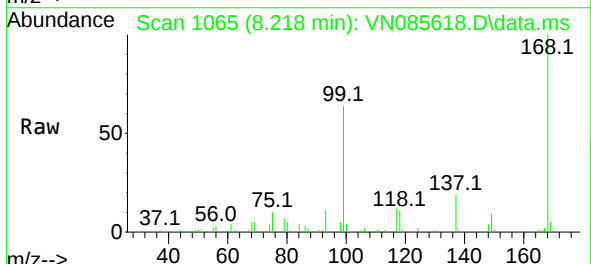


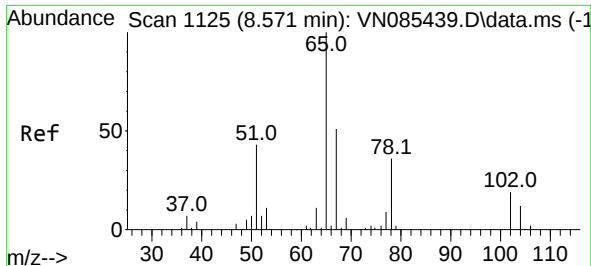
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
74 15.9 18.6 28.0#



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion: 56 Resp: 5048
Ion Ratio Lower Upper
56 100
69 172.3 22.2 33.4#
84 127.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.437 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085618.D

Acq: 03 Feb 2025 13:34

Instrument :

MSVOA_N

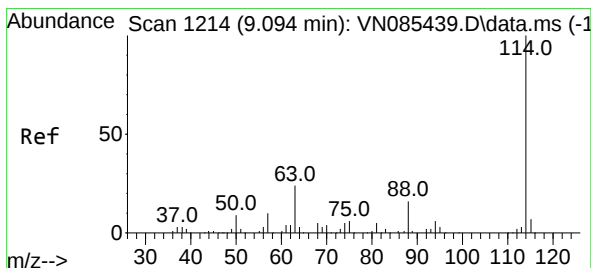
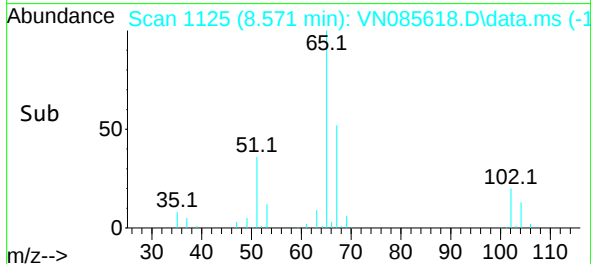
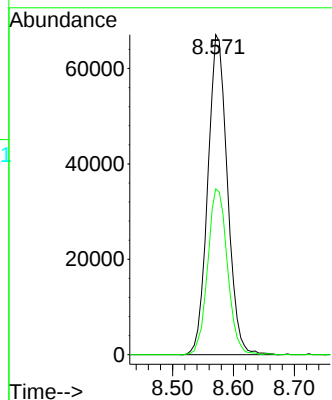
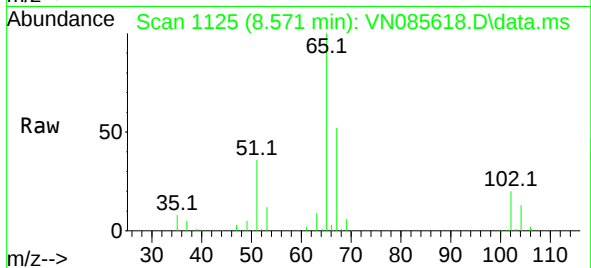
ClientSampleId :

Tgt Ion: 65 Resp: 149772

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085618.D

Acq: 03 Feb 2025 13:34

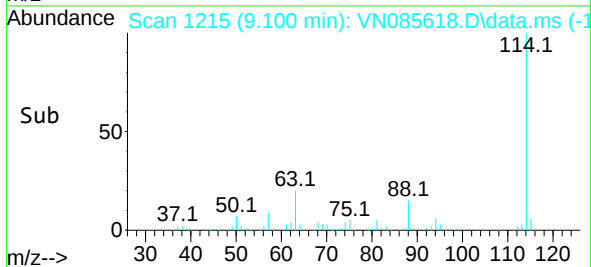
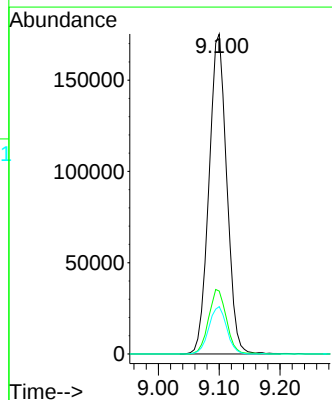
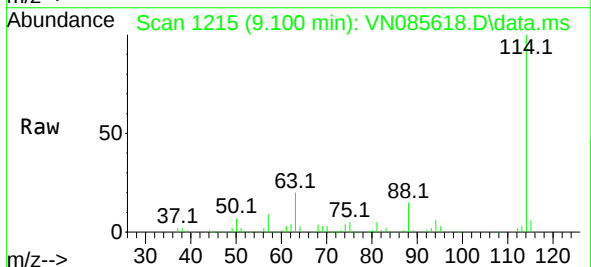
Tgt Ion: 114 Resp: 354826

Ion Ratio Lower Upper

114 100

63 19.7 0.0 47.6

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.577 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

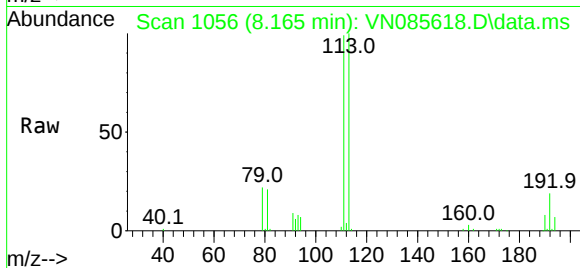
Lab File: VN085618.D

Acq: 03 Feb 2025 13:34

Instrument :

MSVOA_N

ClientSampleId :



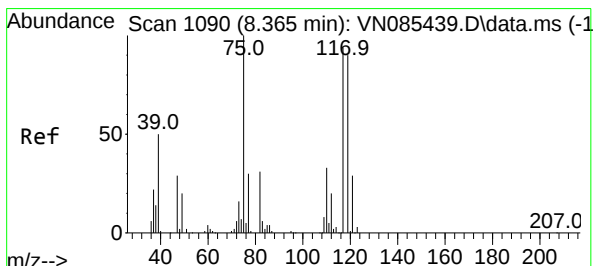
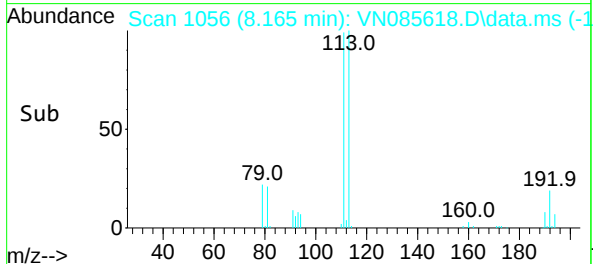
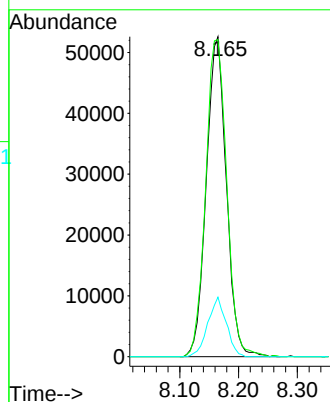
Tgt Ion:113 Resp: 124502

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085618.D

Acq: 03 Feb 2025 13:34

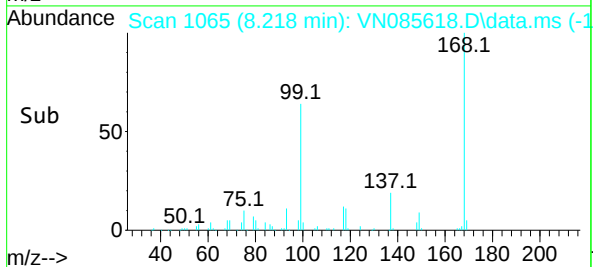
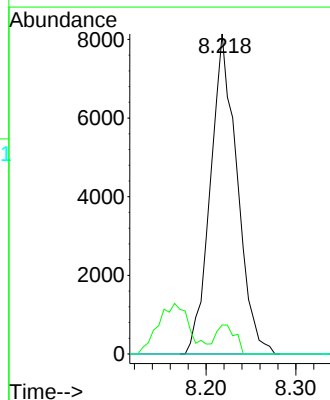
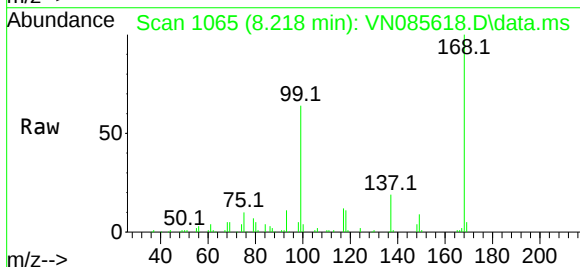
Tgt Ion: 75 Resp: 16806

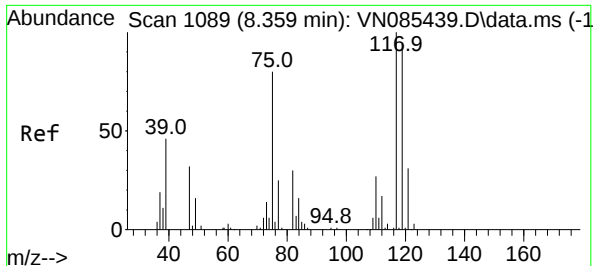
Ion Ratio Lower Upper

75 100

110 6.9 16.5 49.5#

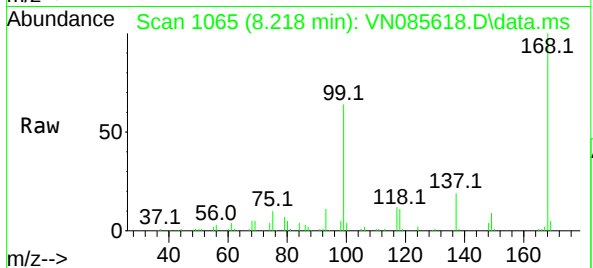
77 0.0 24.4 36.6#



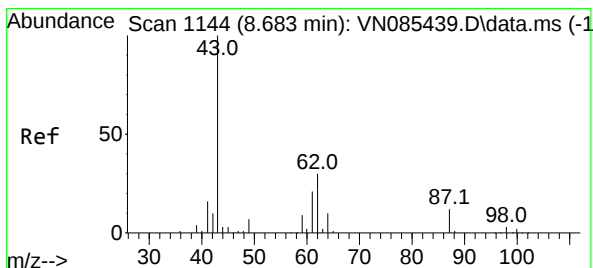
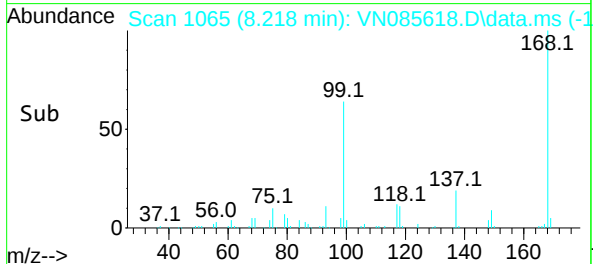
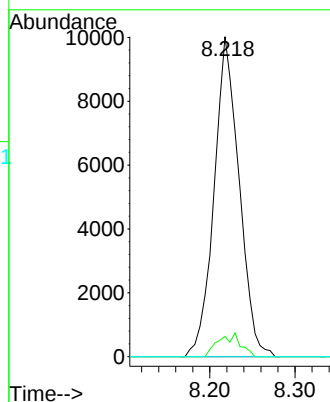


#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :

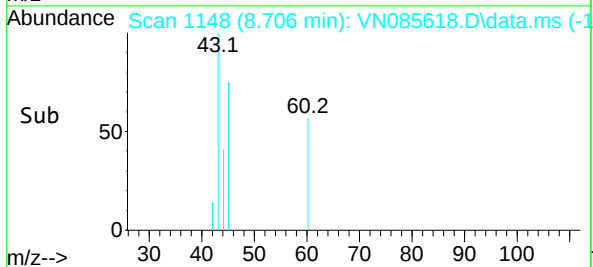
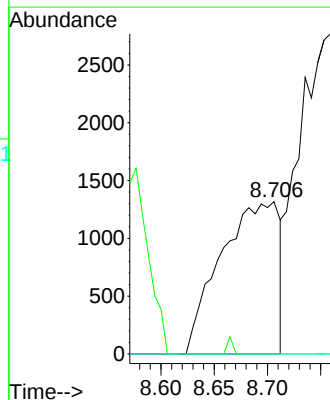
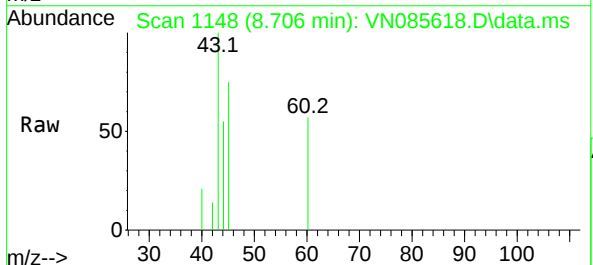


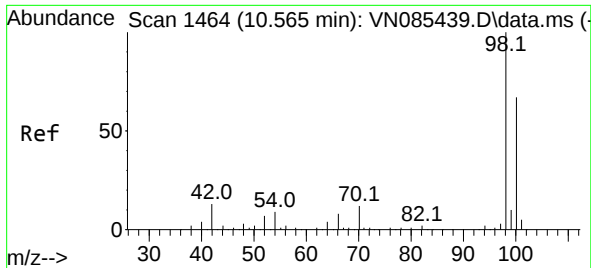
Tgt Ion:117 Resp: 20490
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.903 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.024 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion: 43 Resp: 5048
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

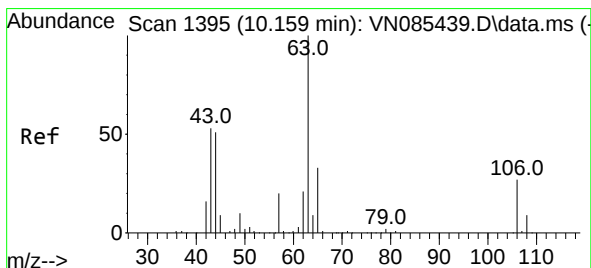
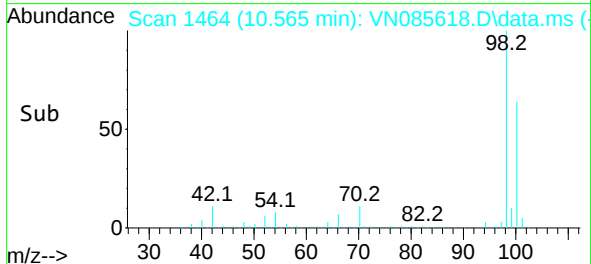
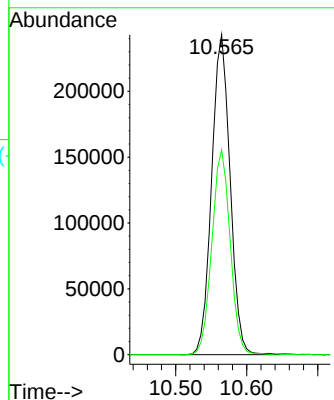
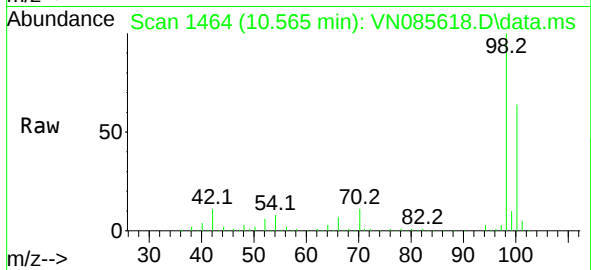




#50
Toluene-d8
Concen: 50.095 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

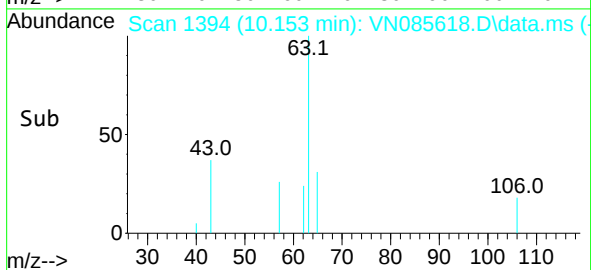
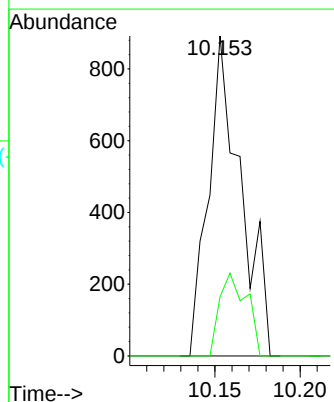
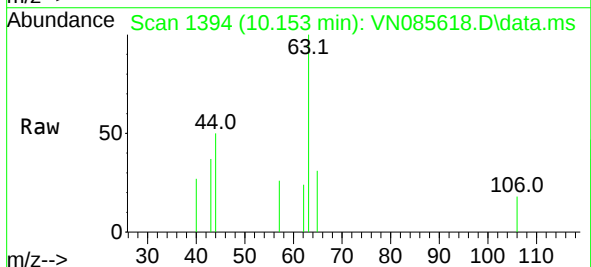
Instrument :
MSVOA_N
ClientSampleId :

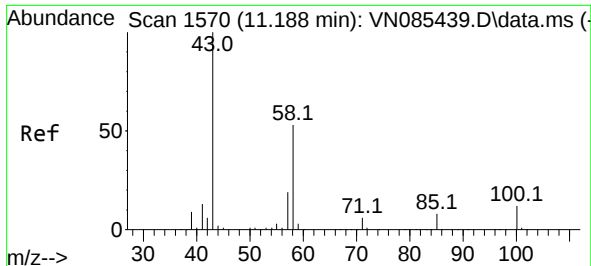
Tgt Ion: 98 Resp: 438134
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4



#58
2-Chloroethyl Vinyl ether
Concen: 0.781 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion: 63 Resp: 1180
Ion Ratio Lower Upper
63 100
106 21.6 21.6 32.4

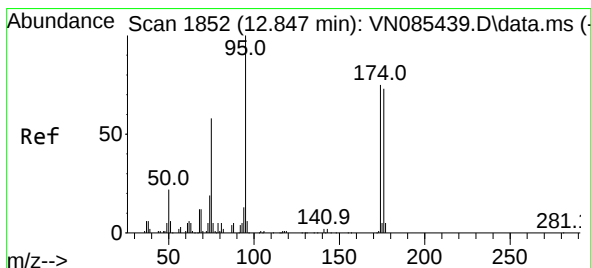
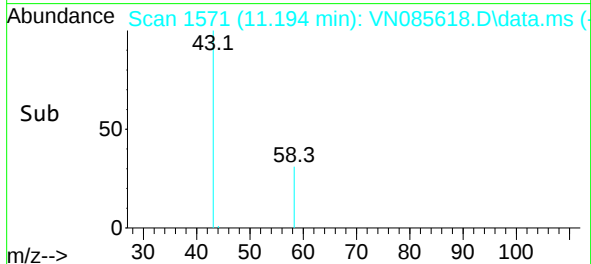
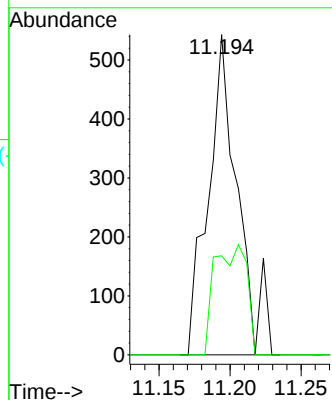
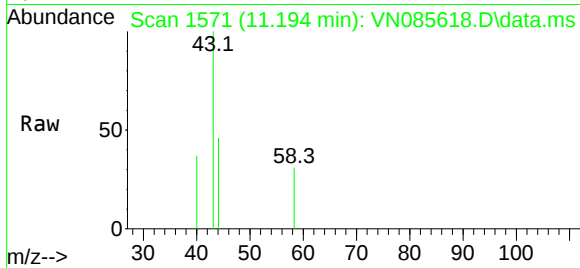




#59
2-Hexanone
Concen: 0.346 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

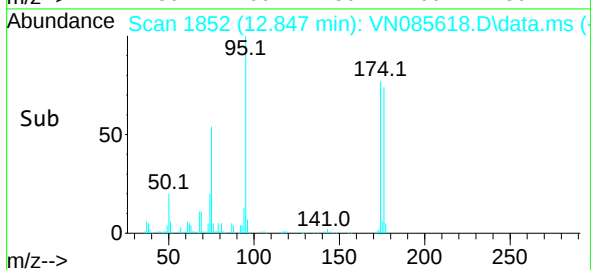
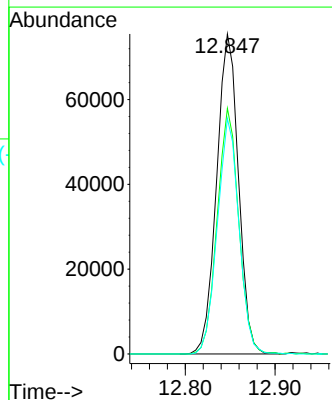
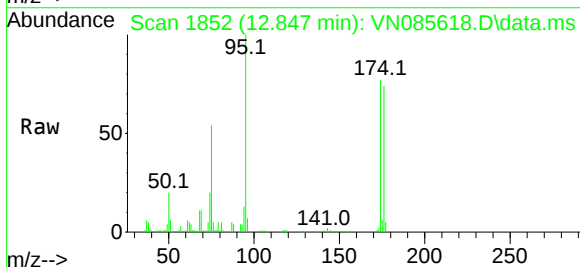
Instrument :
MSVOA_N
ClientSampleId :

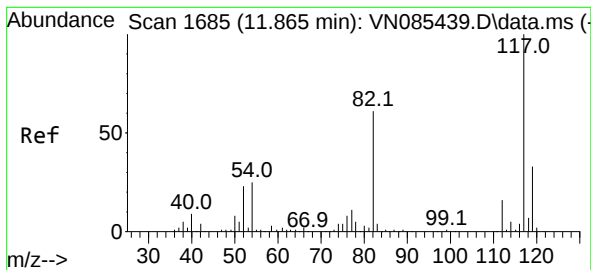
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 37.0 26.2 78.6



#62
4-Bromofluorobenzene
Concen: 42.623 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion: 95 Resp: 127520
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.0
176 72.7 0.0 142.4

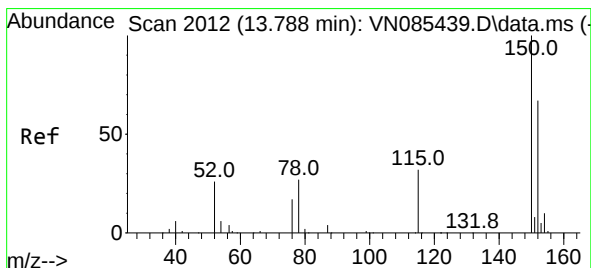
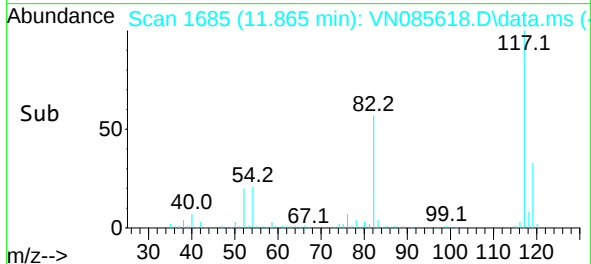
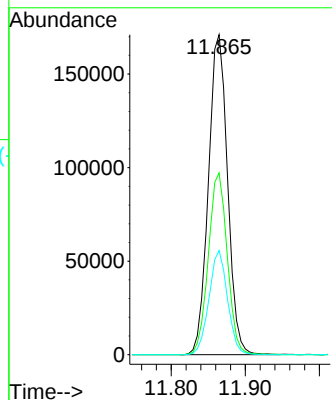
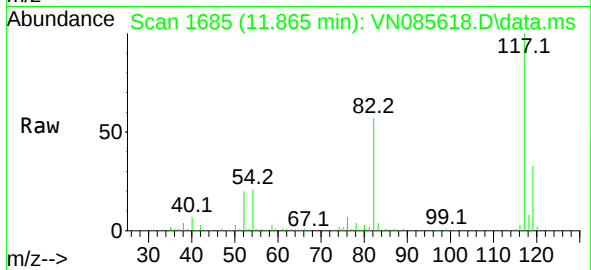




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

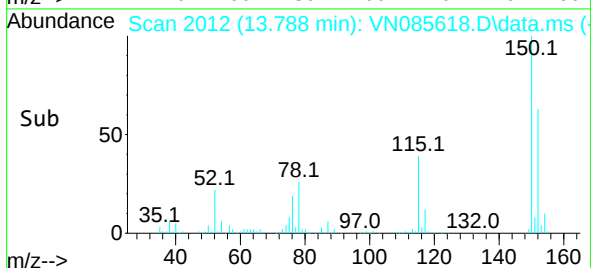
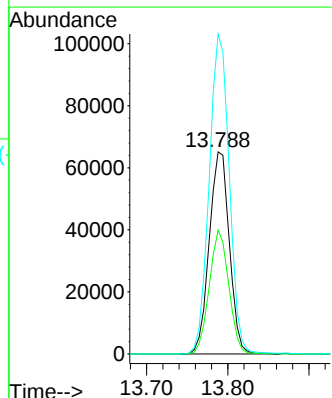
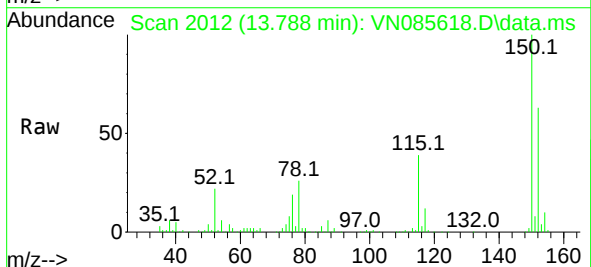
Instrument :
MSVOA_N
ClientSampleId :

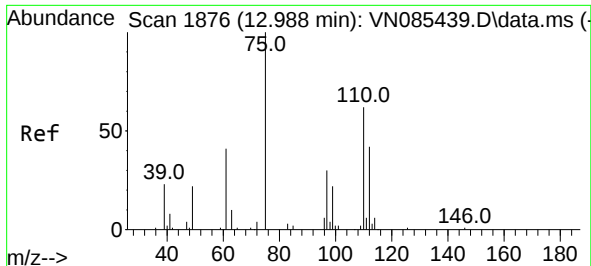
Tgt Ion:117 Resp: 307130
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion:152 Resp: 111992
Ion Ratio Lower Upper
152 100
115 59.5 31.1 93.3
150 158.2 0.0 343.6

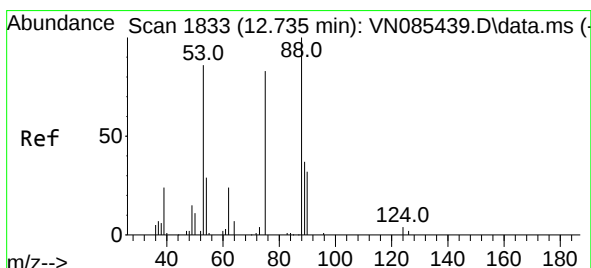
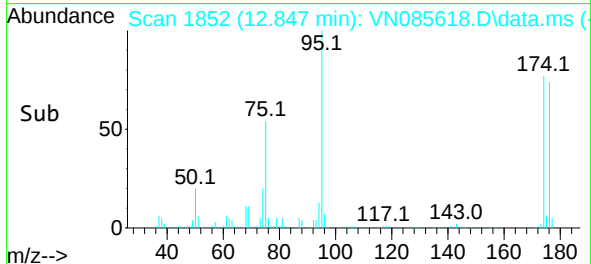
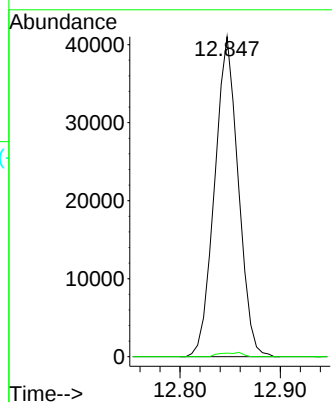
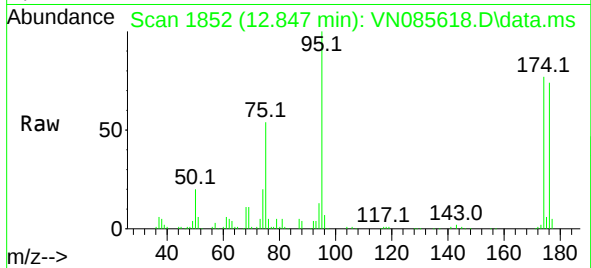




#76
1,2,3-Trichloropropane
Concen: 29.514 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

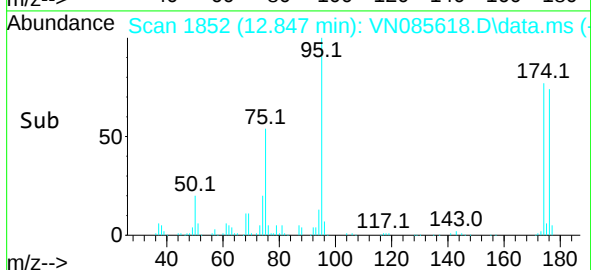
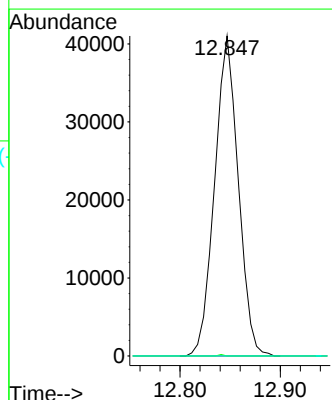
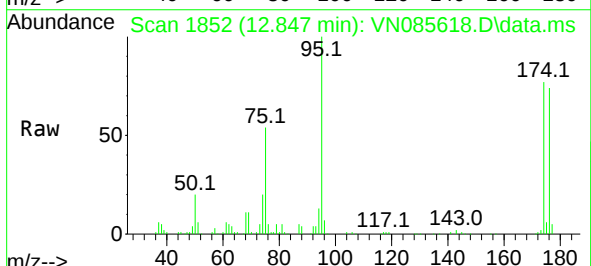
Instrument :
MSVOA_N
ClientSampleId :

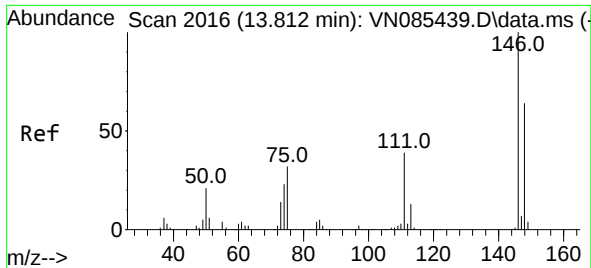
Tgt Ion: 75 Resp: 67181
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.851 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

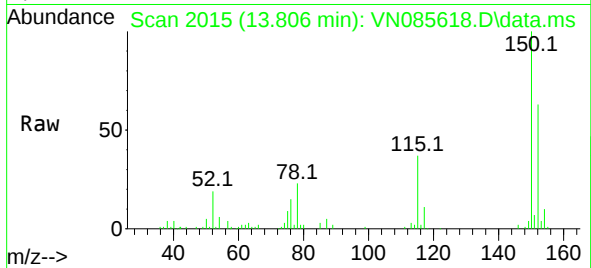
Tgt Ion: 75 Resp: 67181
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



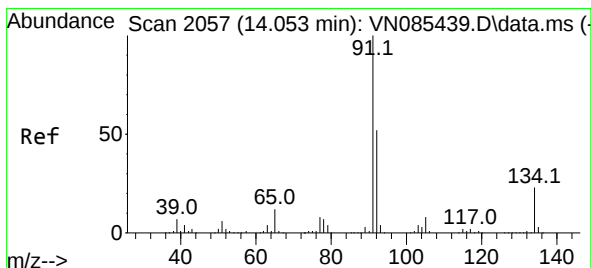
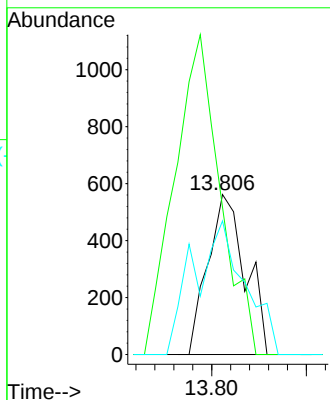
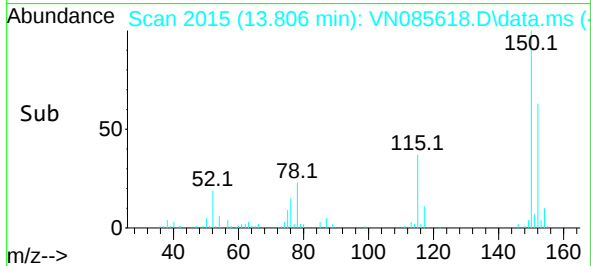


#88
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

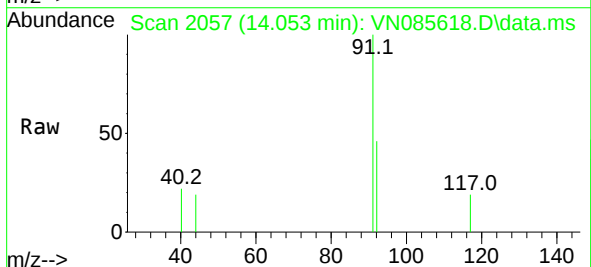
Instrument :
MSVOA_N
ClientSampleId :



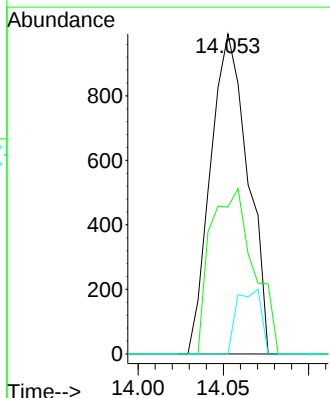
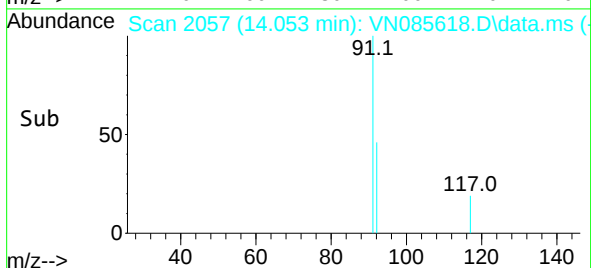
Tgt Ion:146 Resp: 777
Ion Ratio Lower Upper
146 100
111 241.1 21.3 63.7#
148 113.4 32.4 97.0#

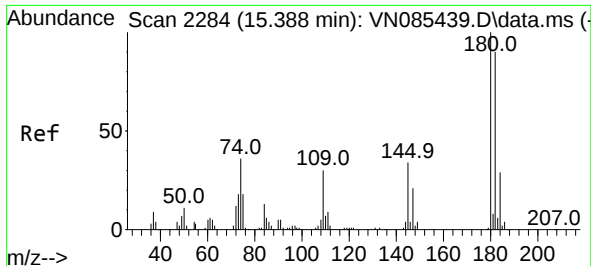


#89
n-Butylbenzene
Concen: 0.290 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34



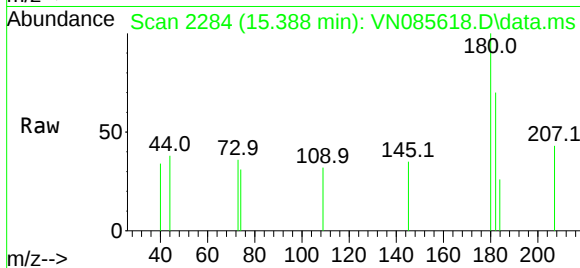
Tgt Ion: 91 Resp: 1510
Ion Ratio Lower Upper
91 100
92 59.6 25.8 77.3
134 13.1 11.7 35.1



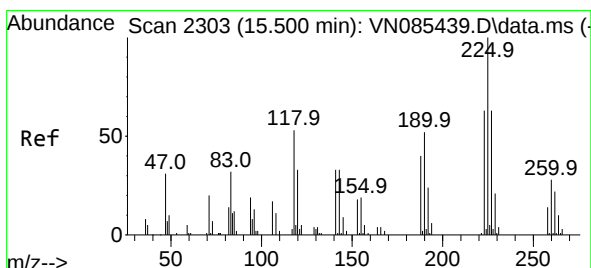
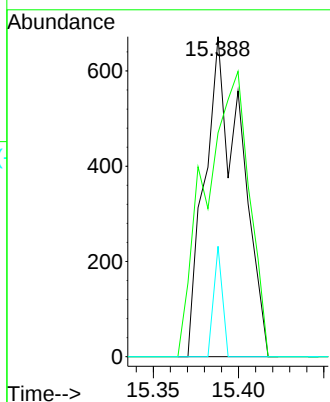
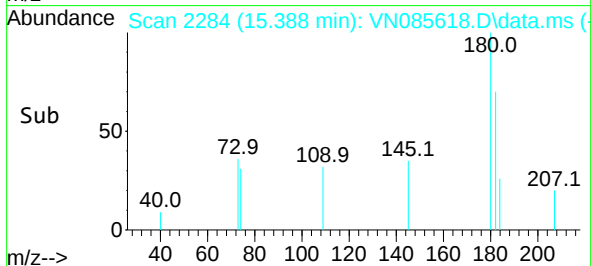


#93
1,2,4-Trichlorobenzene
Concen: 0.586 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

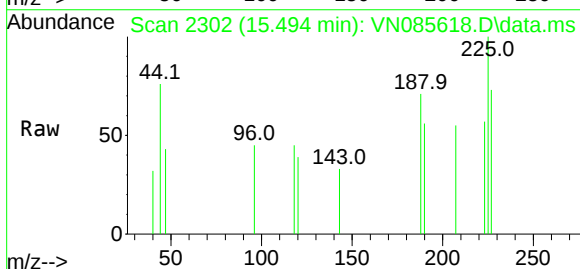
Instrument :
MSVOA_N
ClientSampleId :



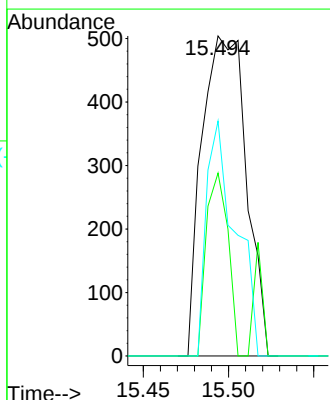
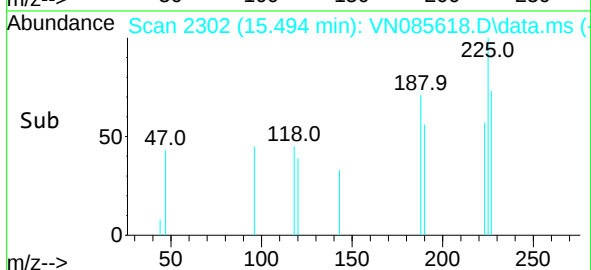
Tgt Ion:180 Resp: 988
Ion Ratio Lower Upper
180 100
182 108.6 46.8 140.3
145 8.3 16.0 48.0#

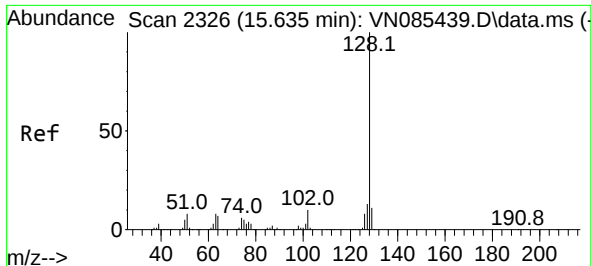


#94
Hexachlorobutadiene
Concen: 1.019 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34



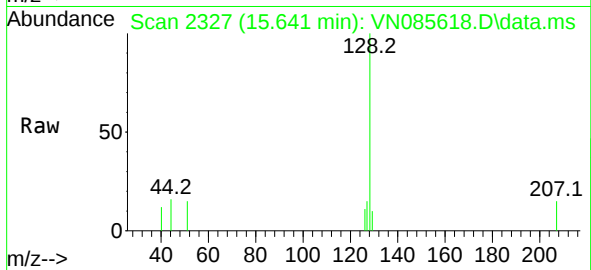
Tgt Ion:225 Resp: 912
Ion Ratio Lower Upper
225 100
223 28.0 30.7 92.1#
227 48.0 30.9 92.5



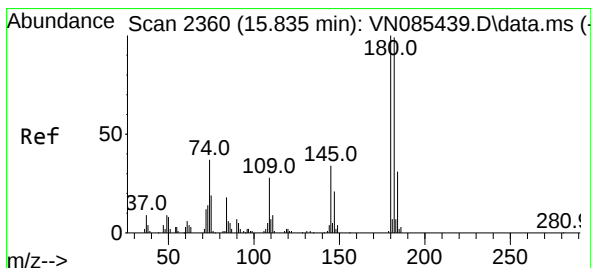
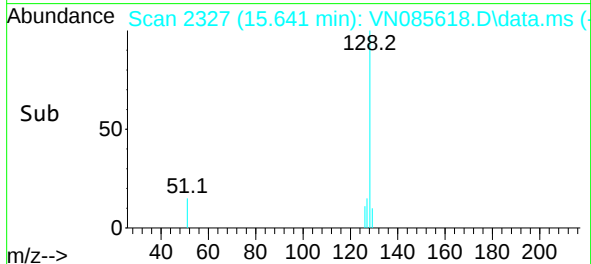
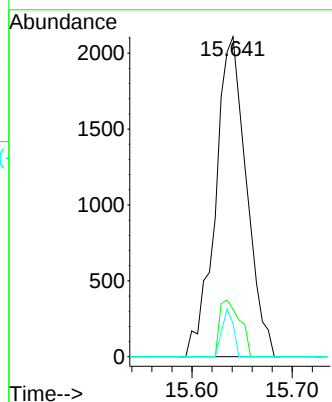


#95
Naphthalene
Concen: 0.900 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4529
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 5.4 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.861 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN085618.D
Acq: 03 Feb 2025 13:34

Tgt Ion:180 Resp: 1469
Ion Ratio Lower Upper
180 100
182 85.6 47.4 142.2
145 27.1 16.9 50.7

