

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085814.D
 Acq On : 21 Feb 2025 19:50
 Operator : JC\MD
 Sample : Q1356-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CARBON-SOLID

Quant Time: Feb 22 02:41:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

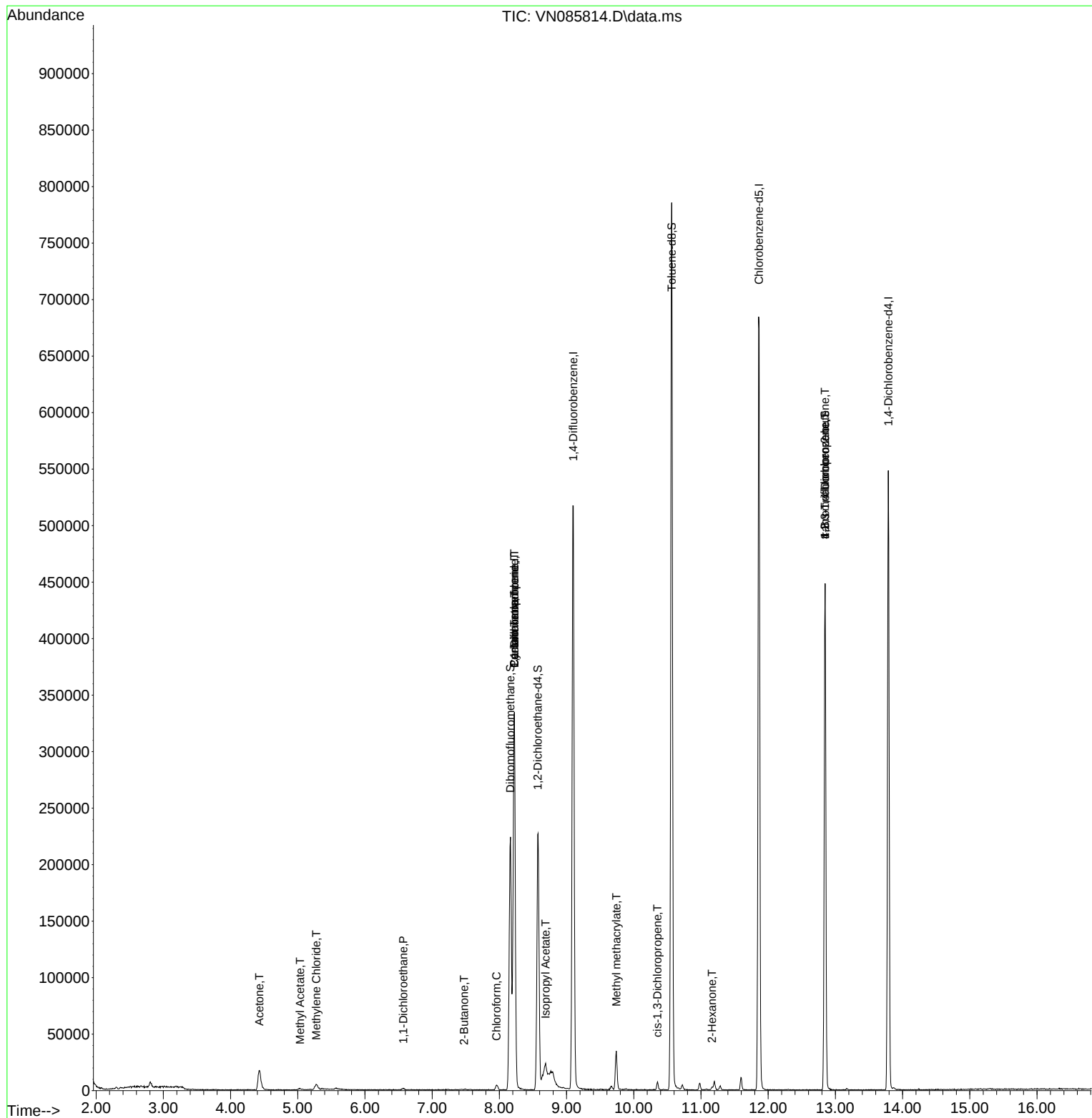
Internal Standards						
1) Pentafluorobenzene	8.224	168	242238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	469775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	188553	60.039	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.080%		
35) Dibromofluoromethane	8.165	113	163233	53.101	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.200%		
50) Toluene-d8	10.565	98	555193	49.641	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.280%		
62) 4-Bromofluorobenzene	12.847	95	160141	43.459	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 86.920%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	34008	34.223	ug/l	95
18) Methyl Acetate	5.036	43	2323	0.680	ug/l #	61
20) Methylene Chloride	5.277	84	3917	1.226	ug/l	92
24) 1,1-Dichloroethane	6.571	63	2159	0.403	ug/l #	82
25) 2-Butanone	7.477	43	644	0.441	ug/l #	45
30) Chloroform	7.959	83	4830	0.863	ug/l	86
31) Cyclohexane	8.224	56	5224	1.165	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	19986	4.594	ug/l #	49
38) Carbon Tetrachloride	8.224	117	25728	4.977	ug/l #	17
43) Isopropyl Acetate	8.688	43	34964	5.074	ug/l #	64
48) Methyl methacrylate	9.741	41	3516	1.322	ug/l #	32
54) cis-1,3-Dichloropropene	10.353	75	1220	0.237	ug/l #	63
59) 2-Hexanone	11.165	43	2347	0.988	ug/l #	21
76) 1,2,3-Trichloropropane	12.847	75	80200	23.350	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80200	68.129	ug/l #	12

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

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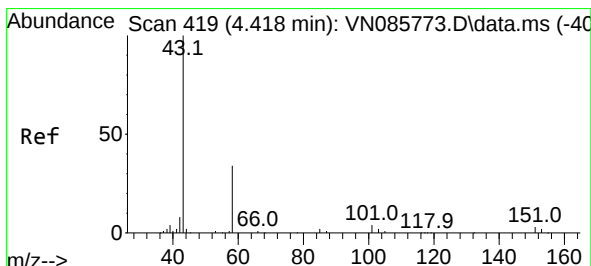
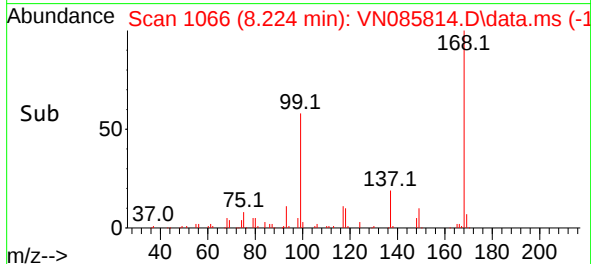
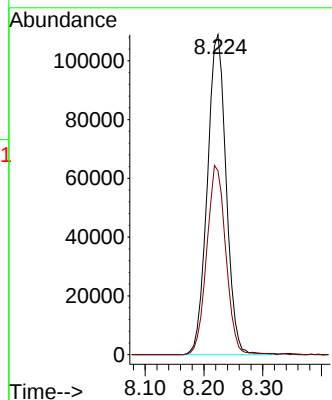
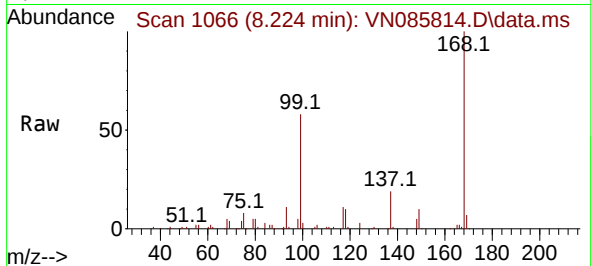




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

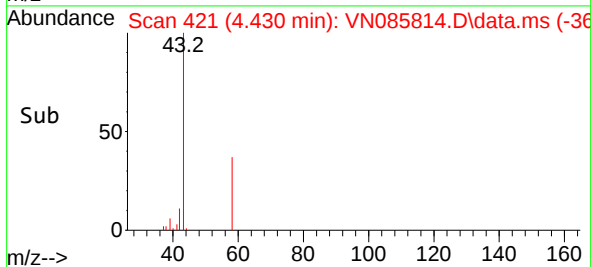
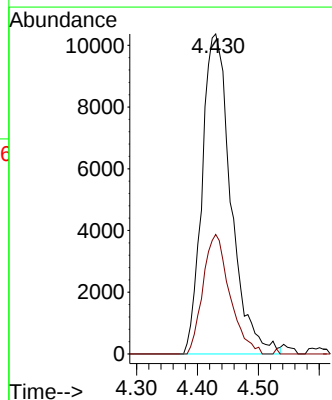
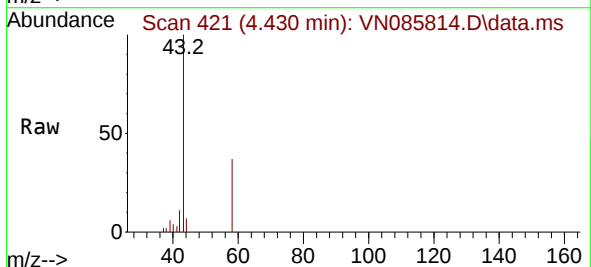
Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

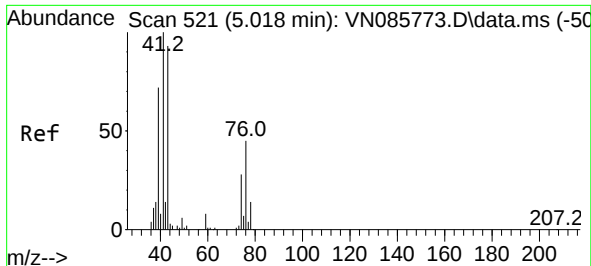
Tgt Ion:168 Resp: 242238
Ion Ratio Lower Upper
168 100
99 57.5 47.9 71.9



#16
Acetone
Concen: 34.223 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Tgt Ion: 43 Resp: 34008
Ion Ratio Lower Upper
43 100
58 37.3 27.5 41.3

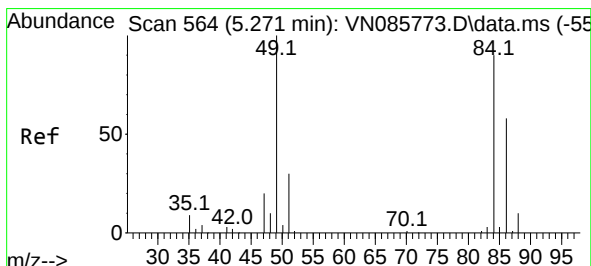
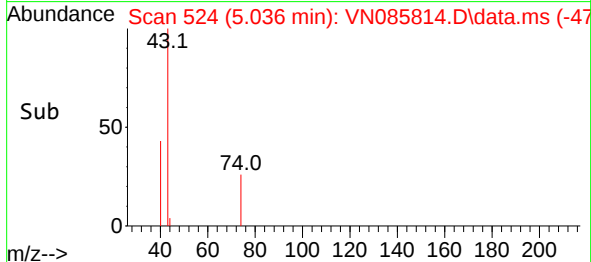
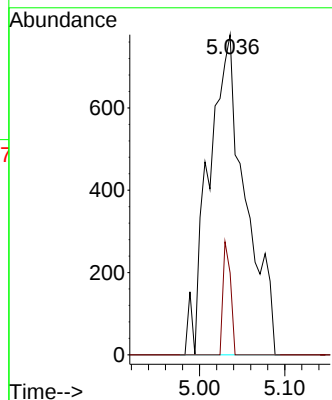
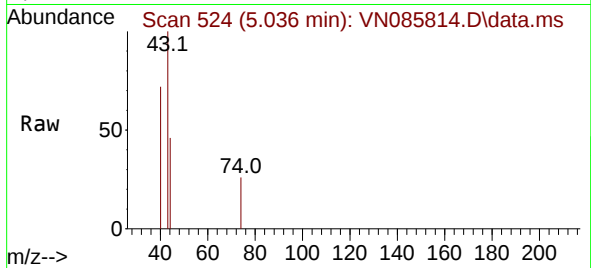




#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

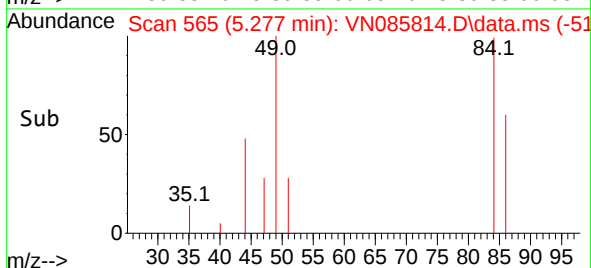
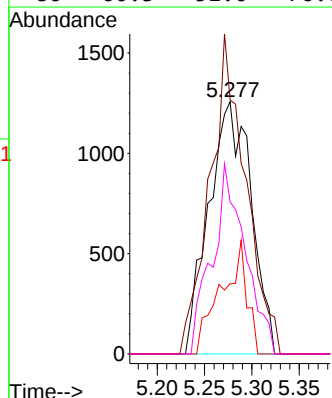
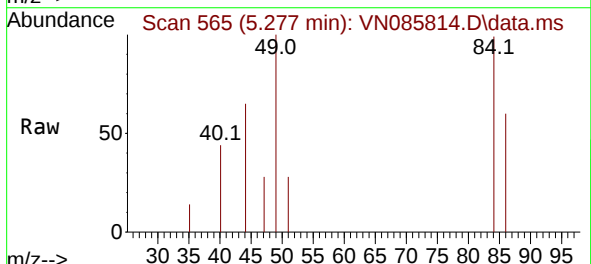
Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

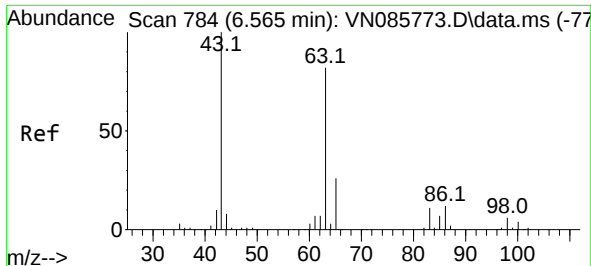
Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
74 7.2 22.2 33.4#



#20
Methylene Chloride
Concen: 1.226 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Tgt Ion: 84 Resp: 3917
Ion Ratio Lower Upper
84 100
49 100.6 88.4 132.6
51 27.8 26.6 40.0
86 60.3 51.0 76.6

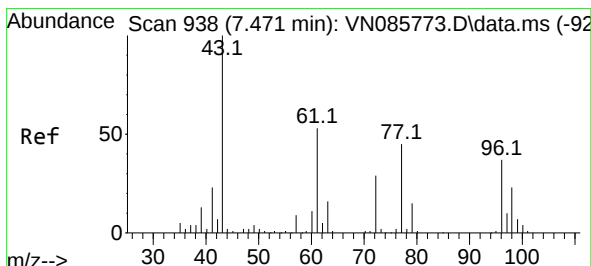
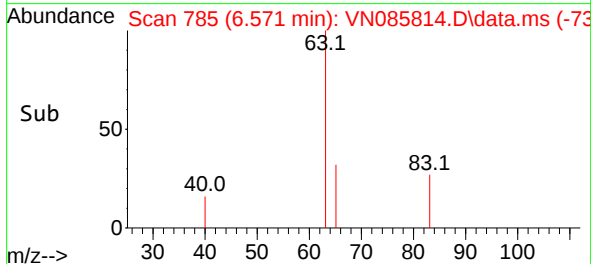
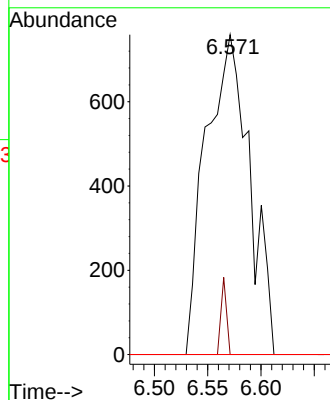
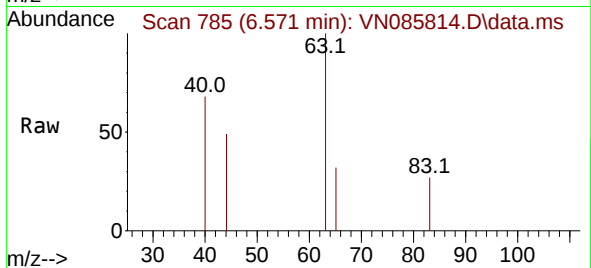




#24
1,1-Dichloroethane
Concen: 0.403 ug/l
RT: 6.571 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

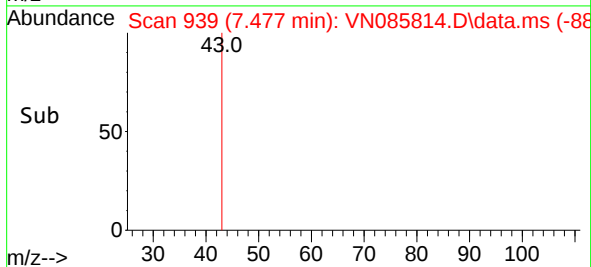
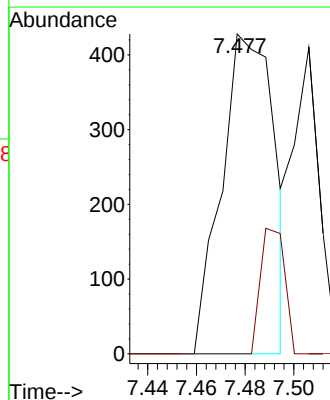
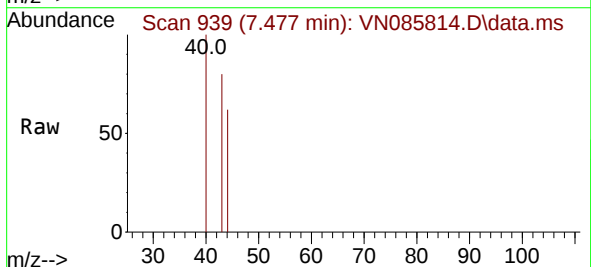
Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

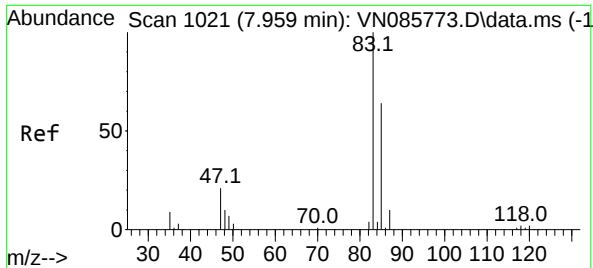
Tgt Ion: 63 Resp: 2159
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.4 7.2#



#25
2-Butanone
Concen: 0.441 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#





#30

Chloroform

Concen: 0.863 ug/l

RT: 7.959 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

Instrument :

MSVOA_N

ClientSampleId :

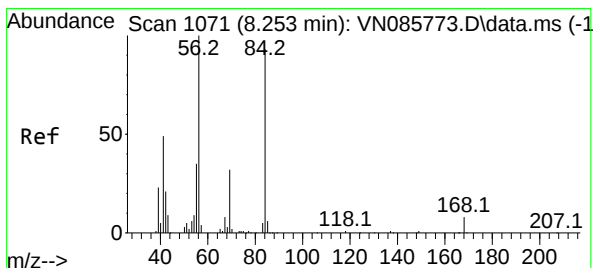
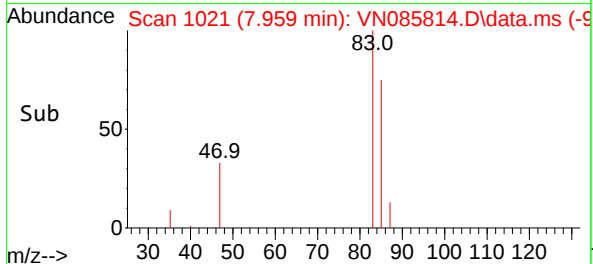
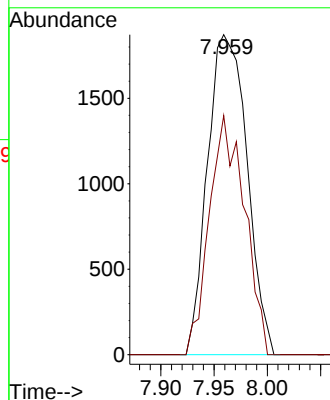
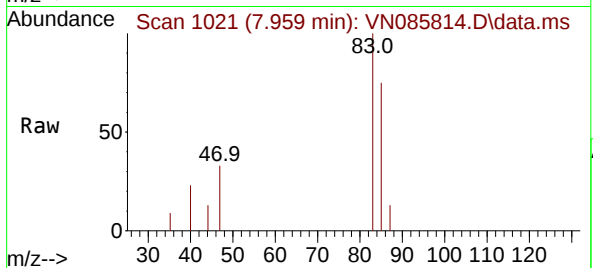
CARBON-SOLID

Tgt Ion: 83 Resp: 4830

Ion Ratio Lower Upper

83 100

85 74.7 50.9 76.3



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

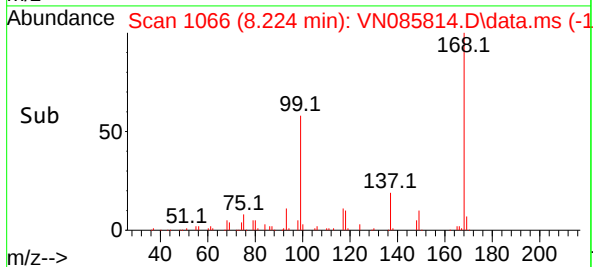
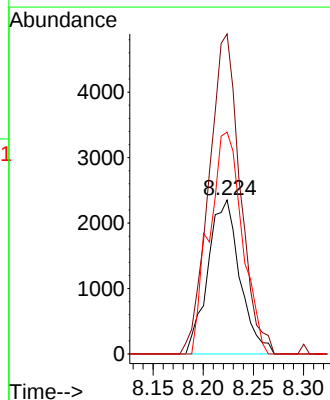
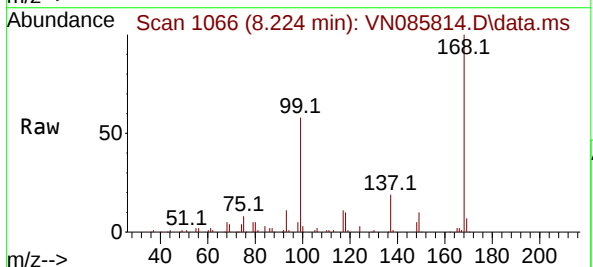
Tgt Ion: 56 Resp: 5224

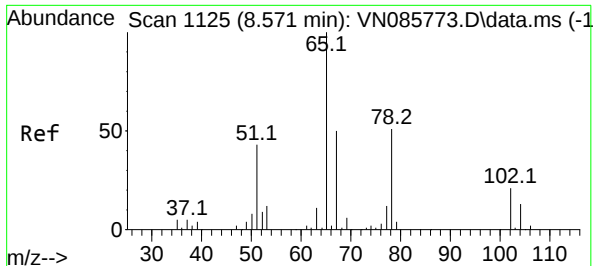
Ion Ratio Lower Upper

56 100

69 208.0 25.8 38.6#

84 144.2 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 60.039 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

Instrument :

MSVOA_N

ClientSampleId :

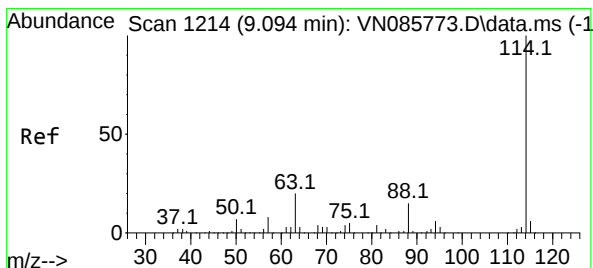
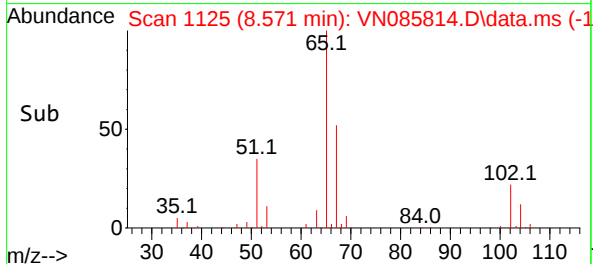
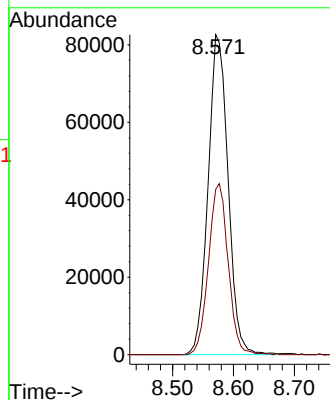
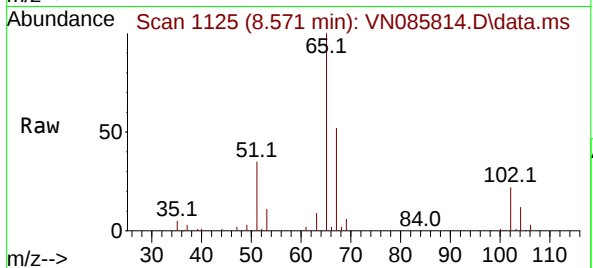
CARBON-SOLID

Tgt Ion: 65 Resp: 188553

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

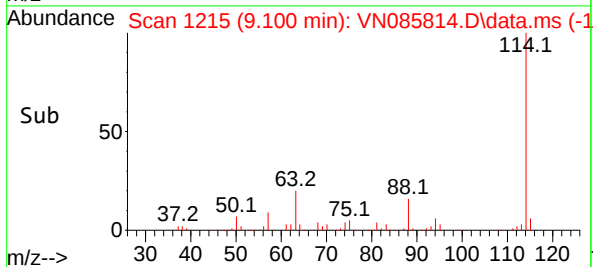
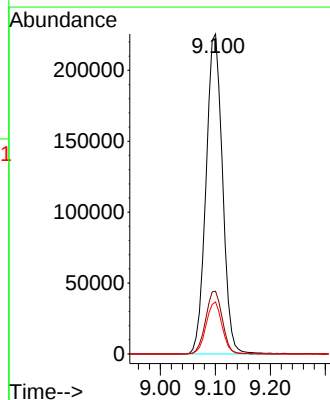
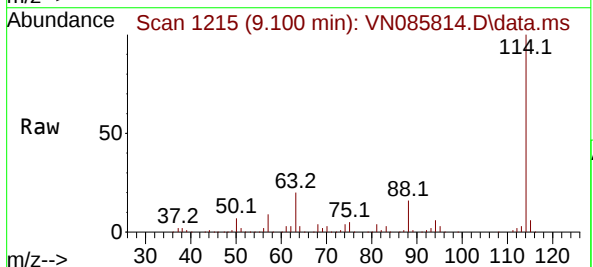
Tgt Ion: 114 Resp: 469775

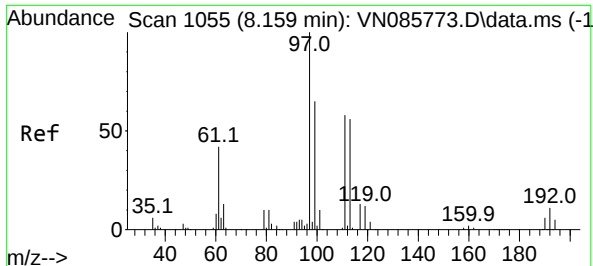
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

88 16.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.101 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

Instrument :

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ClientSampleId :

CARBON-SOLID

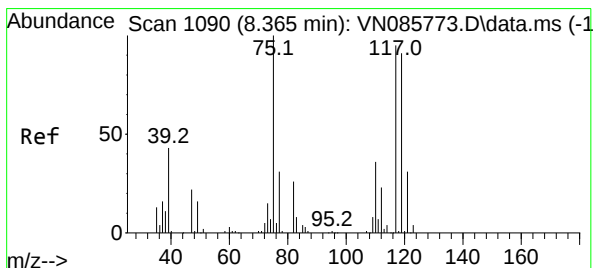
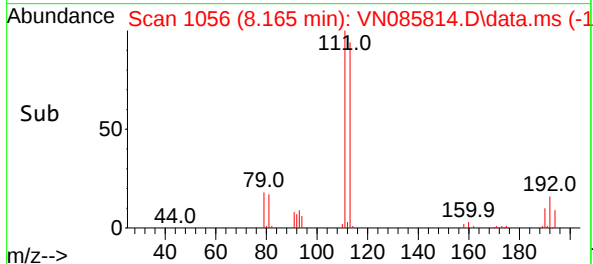
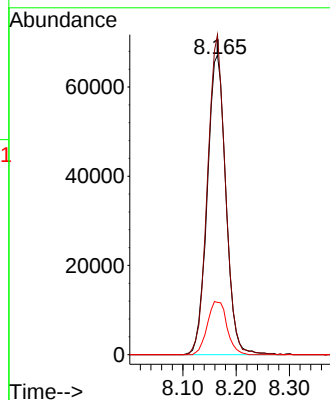
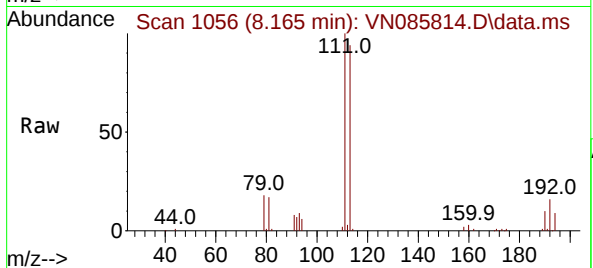
Tgt Ion:113 Resp: 163233

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.7 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.594 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

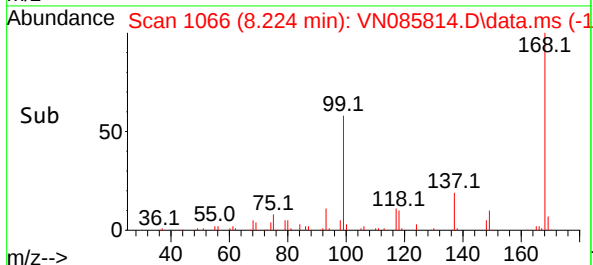
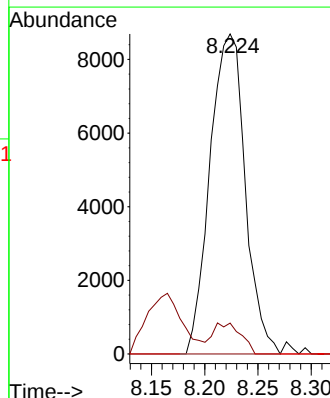
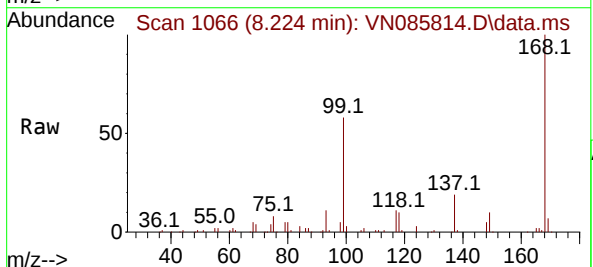
Tgt Ion: 75 Resp: 19986

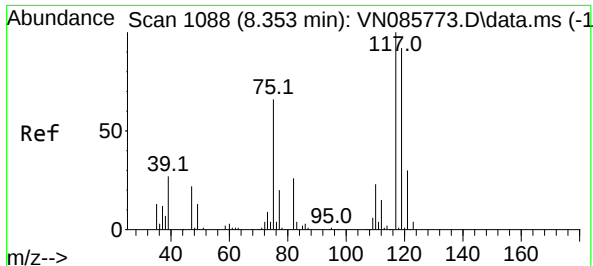
Ion Ratio Lower Upper

75 100

110 7.6 17.3 52.0#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.977 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

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CARBON-SOLID

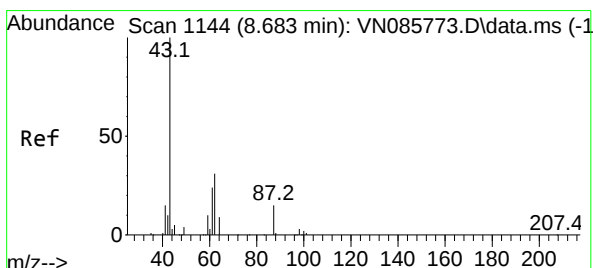
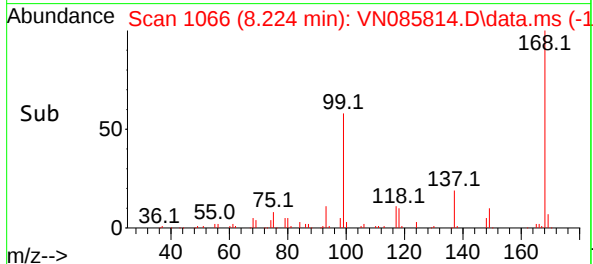
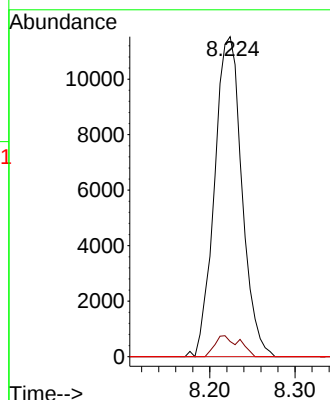
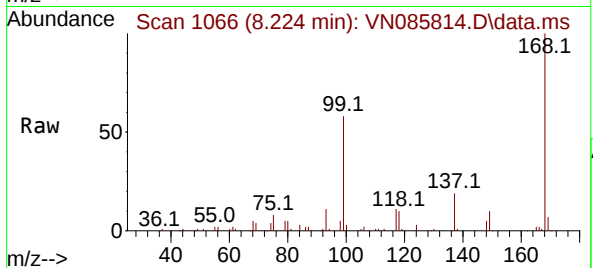
Tgt Ion:117 Resp: 25728

Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.6#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 5.074 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN085814.D

Acq: 21 Feb 2025 19:50

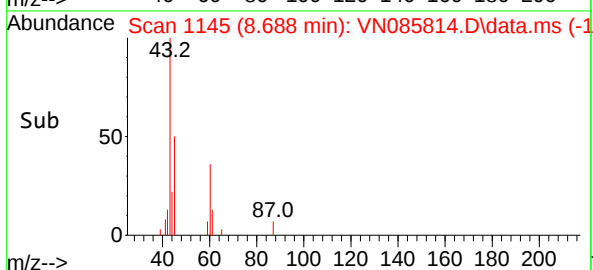
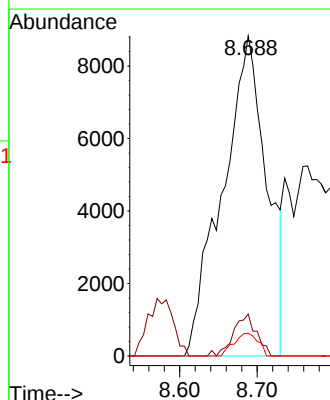
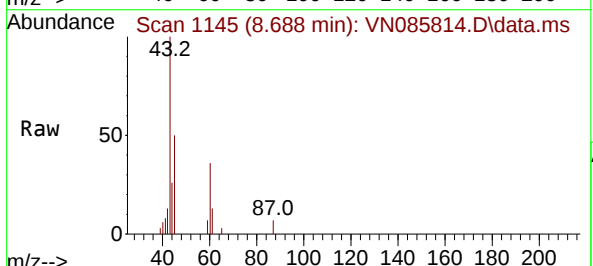
Tgt Ion: 43 Resp: 34964

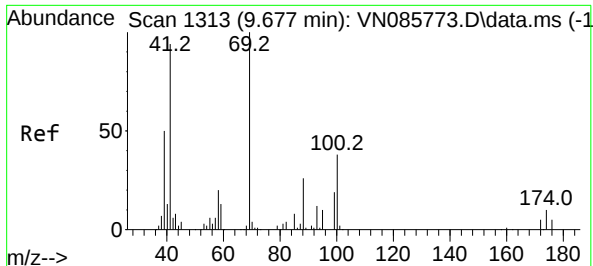
Ion Ratio Lower Upper

43 100

61 6.8 22.6 34.0#

87 3.9 11.8 17.8#

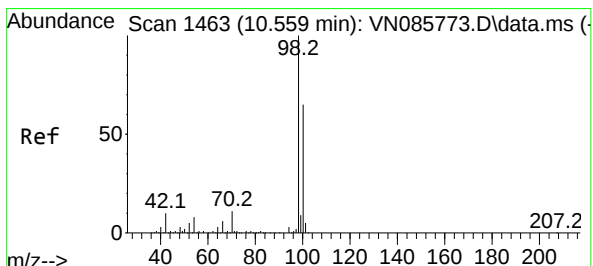
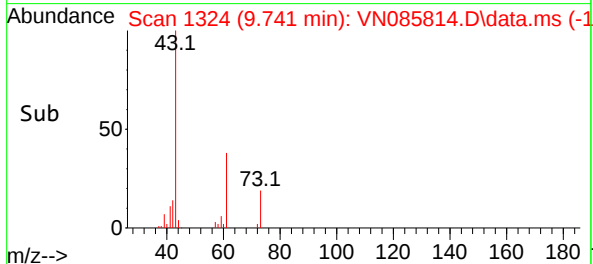
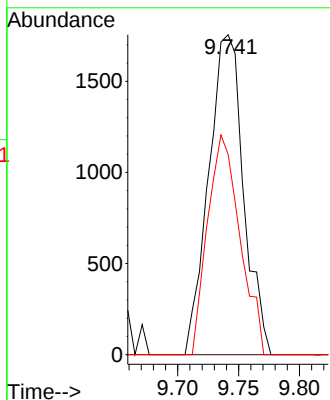
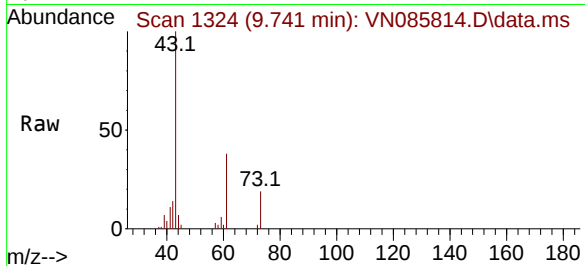




#48
Methyl methacrylate
Concen: 1.322 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

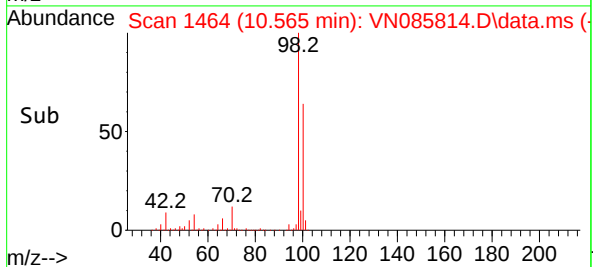
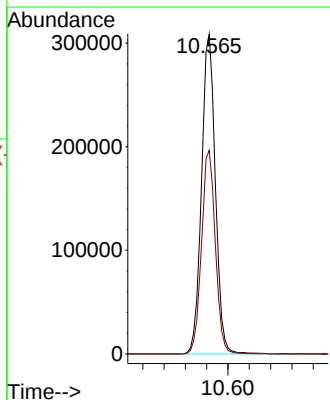
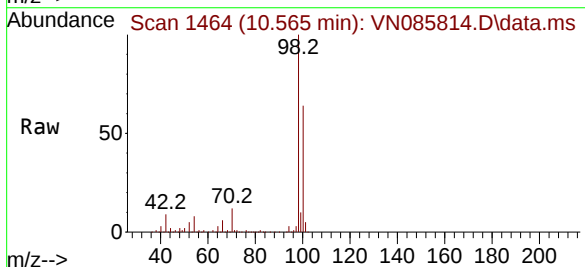
Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

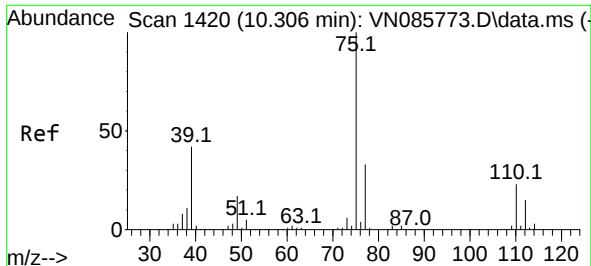
Tgt Ion: 41 Resp: 3516
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 63.5 42.3 63.5#



#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Tgt Ion: 98 Resp: 555193
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1

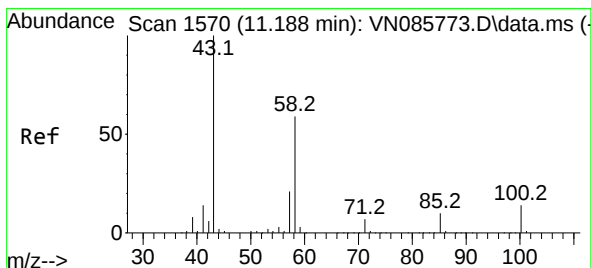
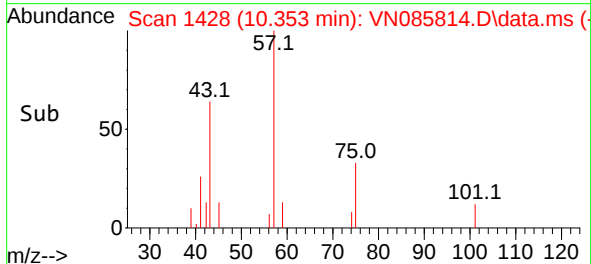
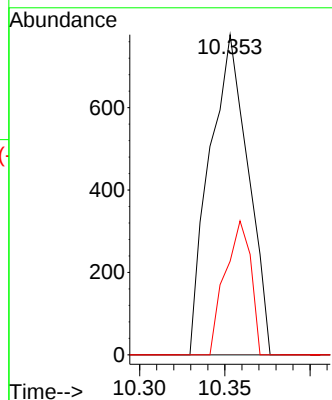
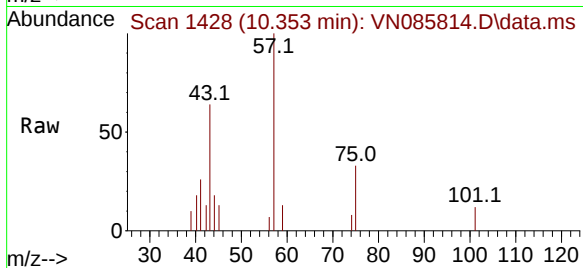




#54
 cis-1,3-Dichloropropene
 Concen: 0.237 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085814.D
 Acq: 21 Feb 2025 19:50

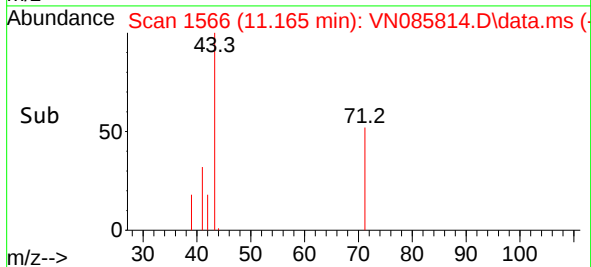
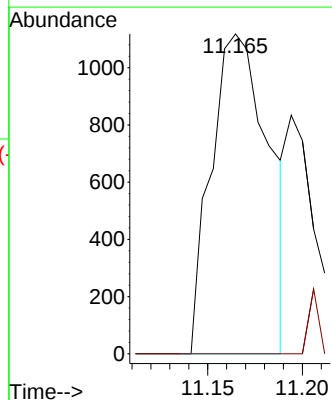
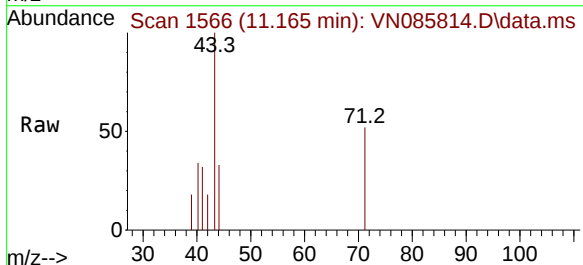
Instrument :
 MSVOA_N
 ClientSampleId :
 CARBON-SOLID

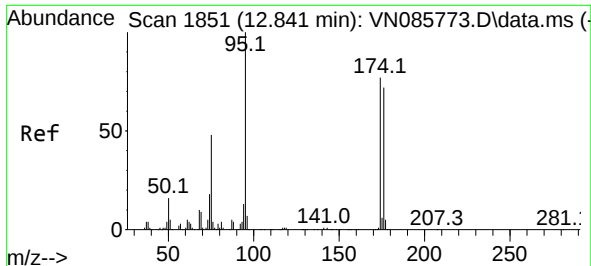
Tgt Ion: 75 Resp: 1220
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.2 33.4 50.0#



#59
 2-Hexanone
 Concen: 0.988 ug/l
 RT: 11.165 min Scan# 1566
 Delta R.T. -0.023 min
 Lab File: VN085814.D
 Acq: 21 Feb 2025 19:50

Tgt Ion: 43 Resp: 2347
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.5#

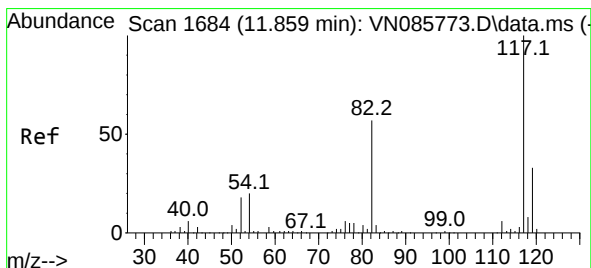
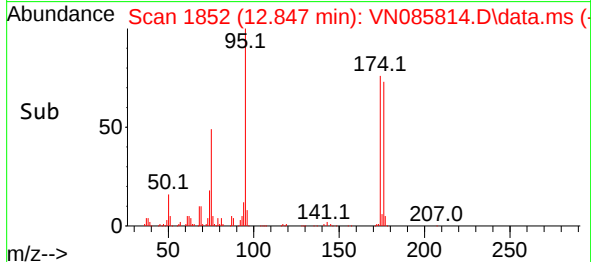
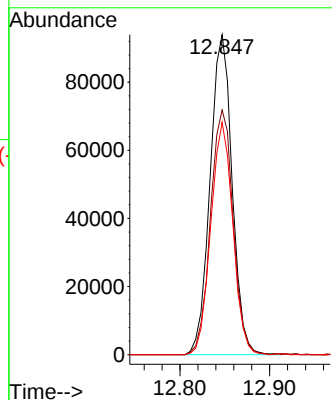
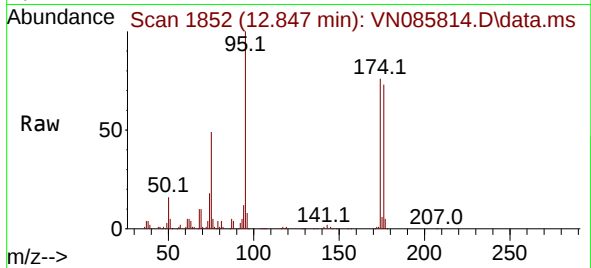




#62
4-Bromofluorobenzene
Concen: 43.459 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

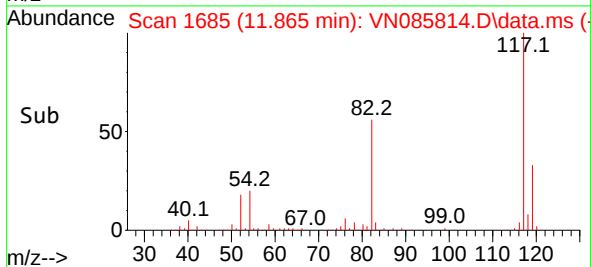
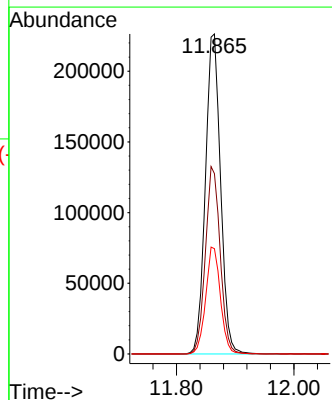
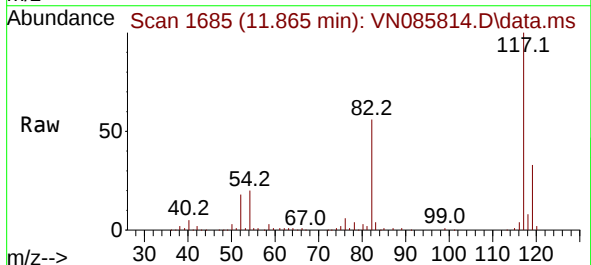
Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

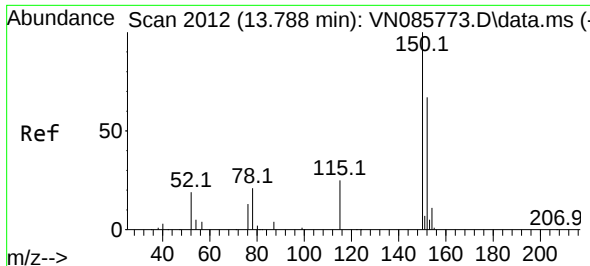
Tgt Ion: 95 Resp: 160141
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 72.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Tgt Ion: 117 Resp: 404628
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.9 26.2 39.2

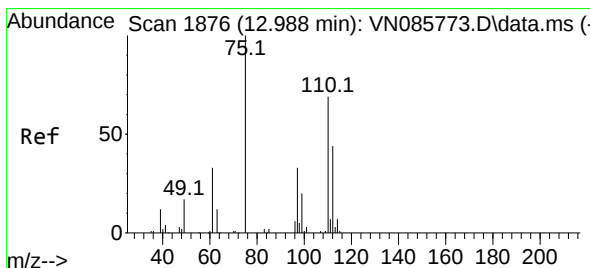
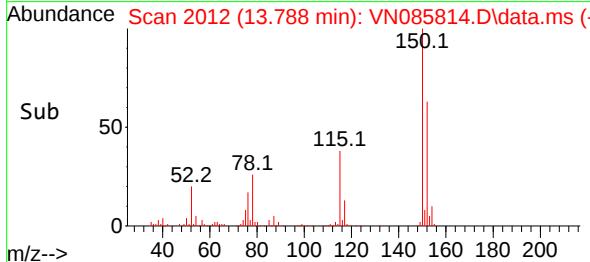
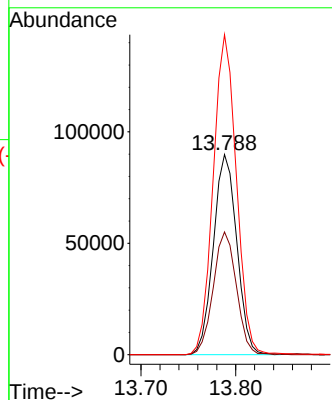
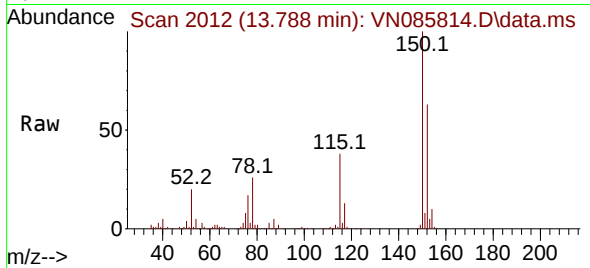




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085814.D
 Acq: 21 Feb 2025 19:50

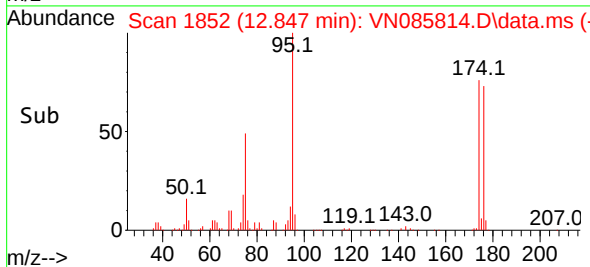
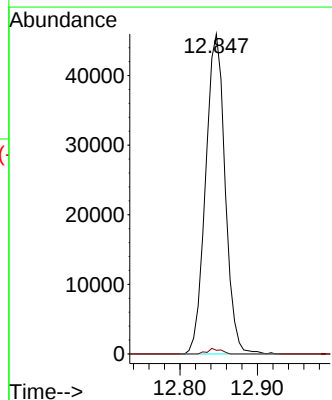
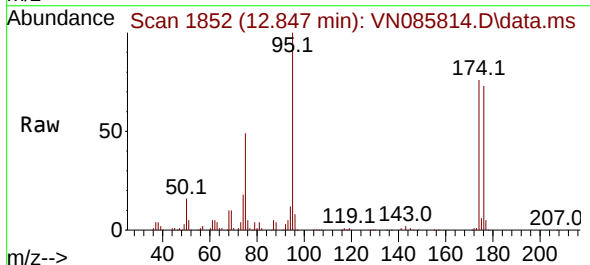
Instrument :
 MSVOA_N
 ClientSampleId :
 CARBON-SOLID

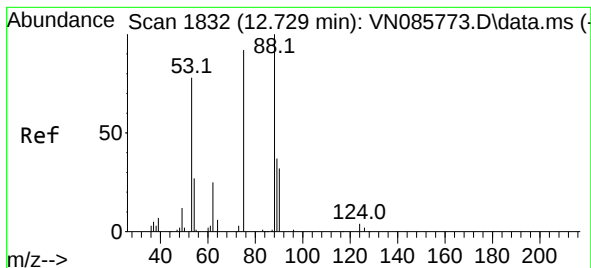
Tgt Ion:152 Resp: 154623
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.4 91.3
 150 158.6 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.350 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085814.D
 Acq: 21 Feb 2025 19:50

Tgt Ion: 75 Resp: 80200
 Ion Ratio Lower Upper
 75 100
 77 1.2 100.0 300.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.129 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085814.D
Acq: 21 Feb 2025 19:50

Instrument :
MSVOA_N
ClientSampleId :
CARBON-SOLID

Tgt Ion: 75 Resp: 80200
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

