

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085834.D
 Acq On : 24 Feb 2025 14:00
 Operator : JC\MD
 Sample : Q1405-02DL 250X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

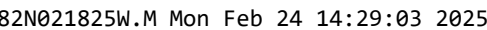
Quant Time: Feb 24 14:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

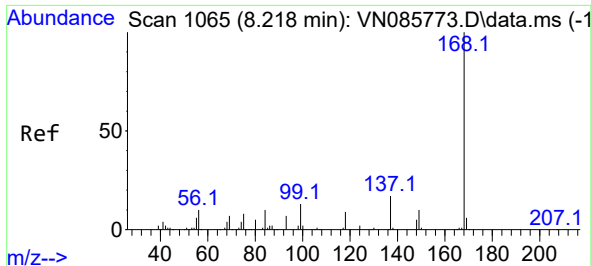
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	227327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127235	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162359	55.09	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.18%			
35) Dibromofluoromethane	8.165	113	143309	52.09	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.18%			
50) Toluene-d8	10.565	98	475579	47.51	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.02%			
62) 4-Bromofluorobenzene	12.847	95	132906	40.30	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 80.60%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	852	0.27	ug/l	97
5) Bromomethane	2.971	94	1150	0.55	ug/l #	79
10) Methyl Iodide	4.595	142	697	0.21	ug/l #	38
12) 1,1-Dichloroethene	4.336	96	783	0.31	ug/l	96
13) Acrolein	4.195	56	124	0.23	ug/l #	1
16) Acetone	4.436	43	540	0.58	ug/l #	40
17) Carbon Disulfide	4.724	76	2202	0.30	ug/l #	75
18) Methyl Acetate	5.024	43	658	0.21	ug/l #	47
27) cis-1,2-Dichloroethene	7.488	96	19649	6.31	ug/l	90
31) Cyclohexane	8.218	56	4669	1.11	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18765	4.82	ug/l #	49
38) Carbon Tetrachloride	8.224	117	24159	5.22	ug/l #	18
39) Methylcyclohexane	9.347	83	1296	0.34	ug/l #	1
43) Isopropyl Acetate	8.677	43	6092	0.54	ug/l #	53
44) Trichloroethene	9.347	130	100090	32.67	ug/l	93
59) 2-Hexanone	11.206	43	949	0.45	ug/l	75
70) Styrene	12.412	104	390	0.63	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	65267	23.09	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65267	67.38	ug/l #	12
86) p-Isopropyltoluene	13.723	119	805	0.74	ug/l #	80
87) 1,3-Dichlorobenzene	13.735	146	953	0.22	ug/l	91
88) 1,4-Dichlorobenzene	13.735	146	953	0.21	ug/l	92
89) n-Butylbenzene	14.053	91	1574	0.26	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	939	0.22	ug/l	86
93) 1,2,4-Trichlorobenzene	15.382	180	1351	0.67	ug/l #	54
94) Hexachlorobutadiene	15.500	225	978	0.80	ug/l	91
95) Naphthalene	15.641	128	4988	0.90	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1554	0.77	ug/l	93

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

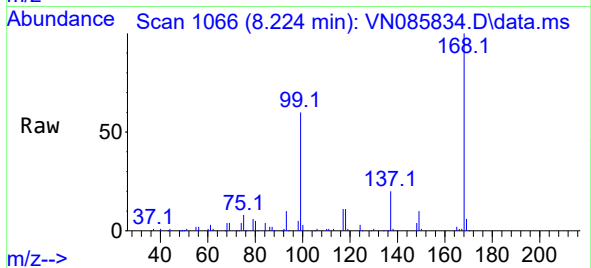
Quant Time: Feb 24 14:28:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



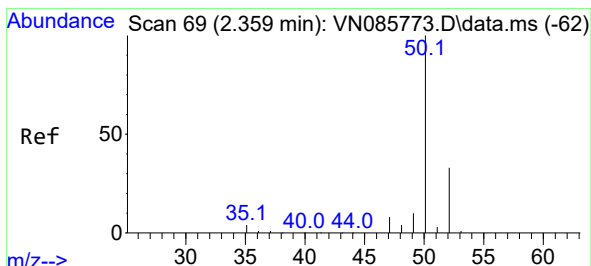
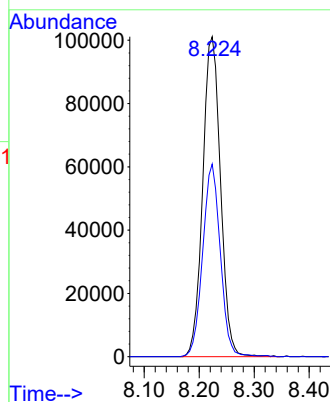
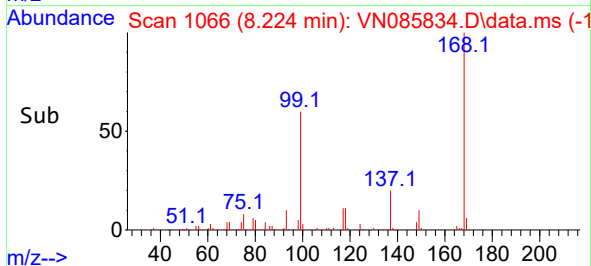


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

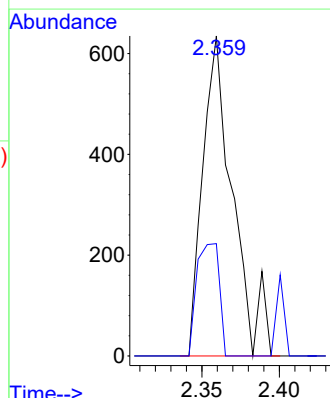
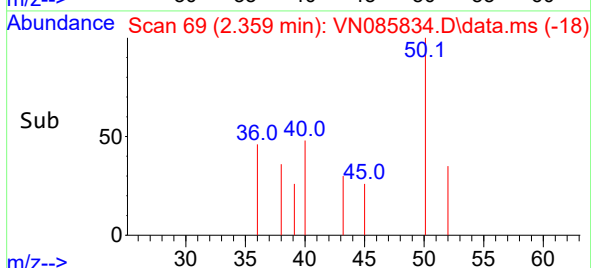
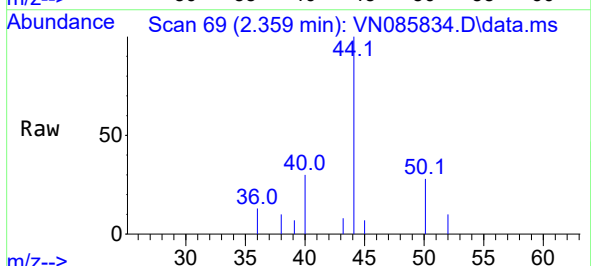


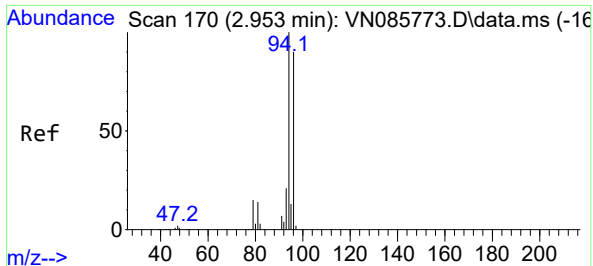
Tgt Ion:168 Resp: 227327
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 50 Resp: 852
Ion Ratio Lower Upper
50 100
52 35.1 26.7 40.1

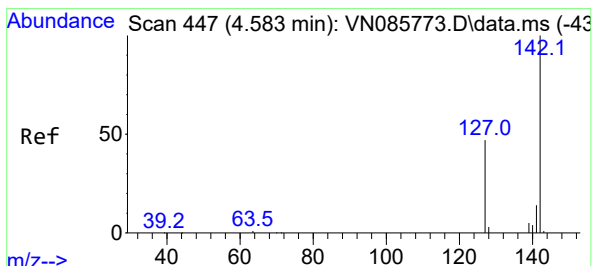
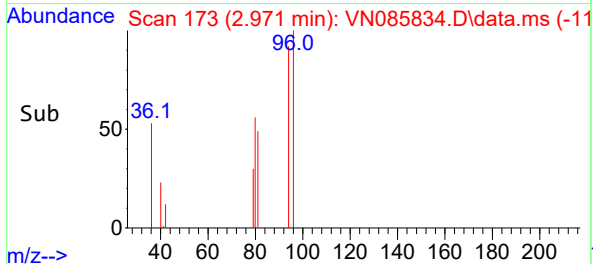
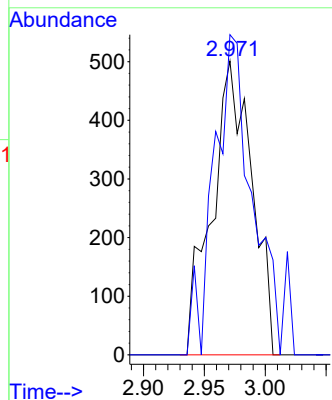
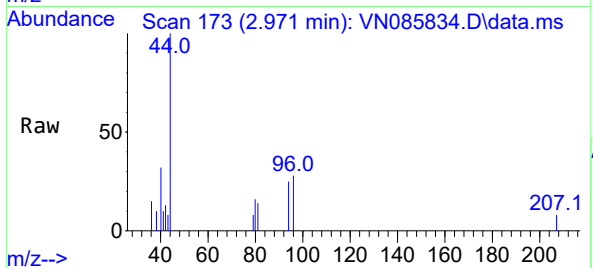




#5
Bromomethane
Concen: 0.55 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

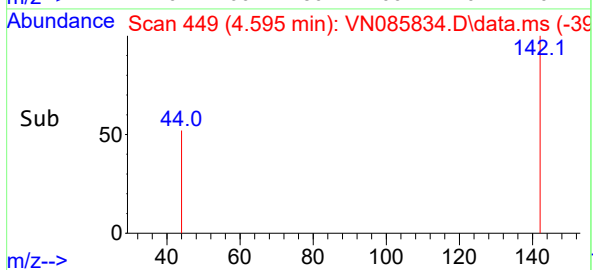
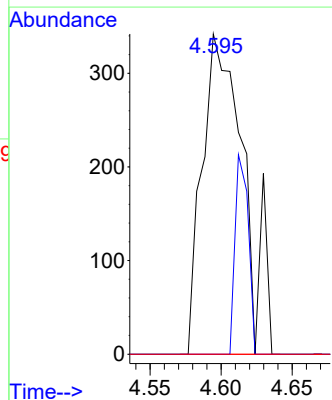
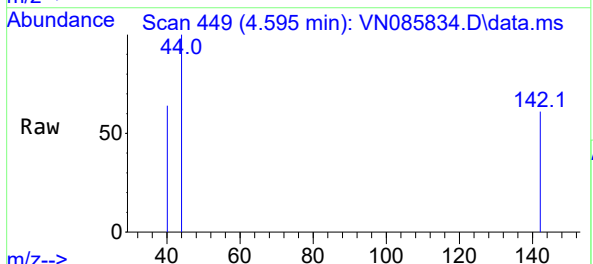
Instrument :
MSVOA_X
ClientSampleId :

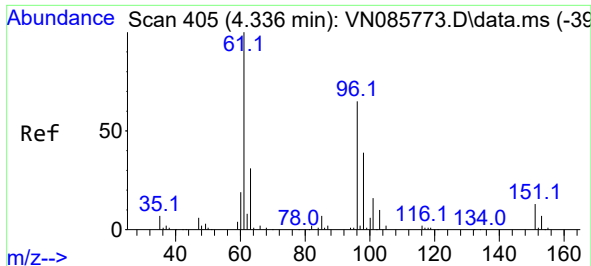
Tgt Ion: 94 Resp: 1150
Ion Ratio Lower Upper
94 100
96 109.0 71.7 107.5#



#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.012 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

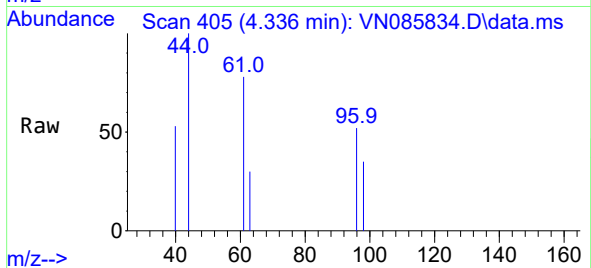
Tgt Ion: 142 Resp: 697
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.2#



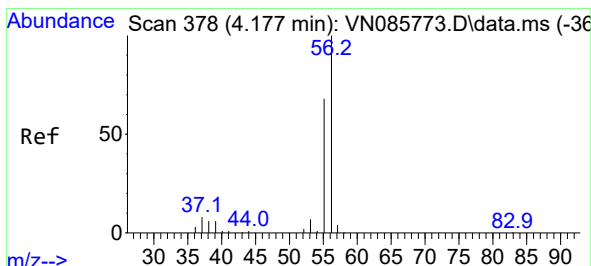
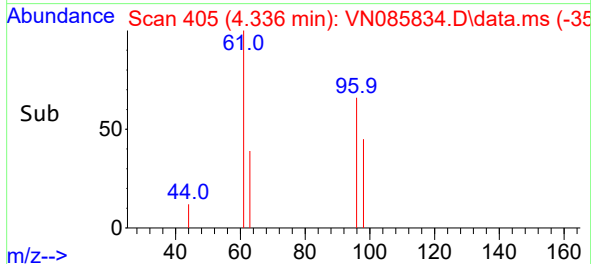
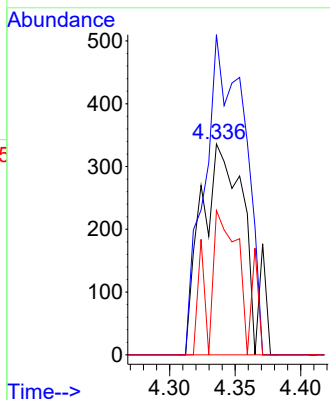


#12
1,1-Dichloroethene
Concen: 0.31 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

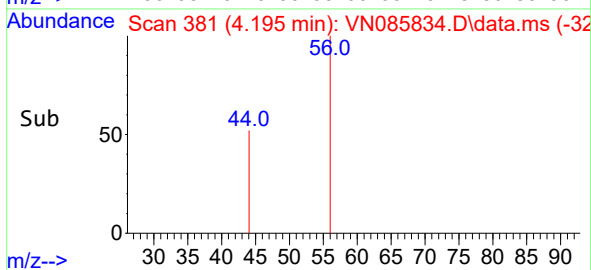
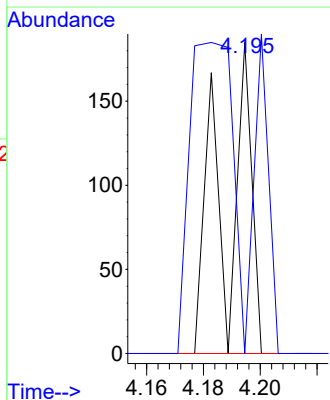
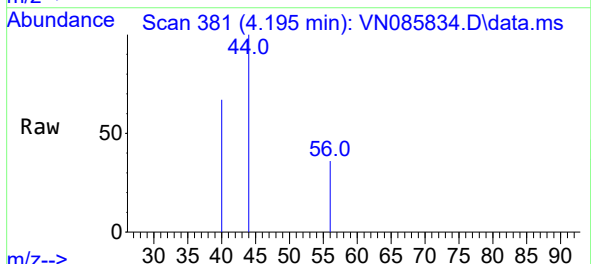


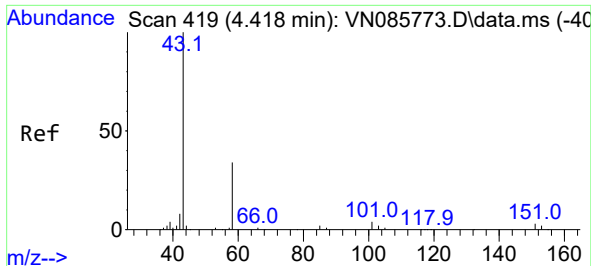
Tgt Ion: 96 Resp: 783
Ion Ratio Lower Upper
96 100
61 151.8 123.3 184.9
98 68.5 48.6 72.8



#13
Acrolein
Concen: 0.23 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 210.5 55.3 82.9#

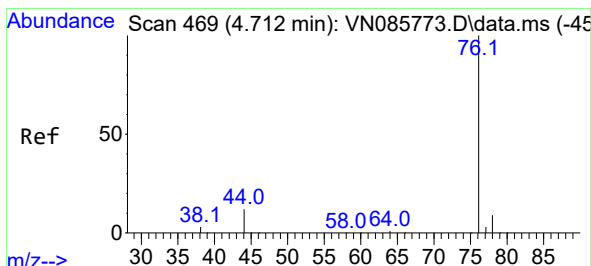
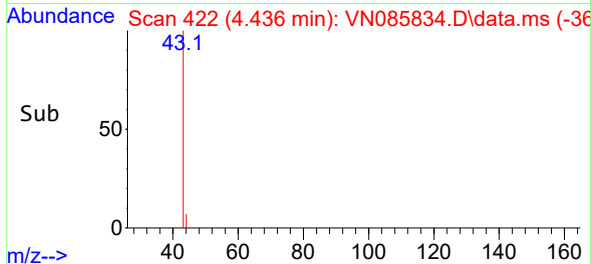
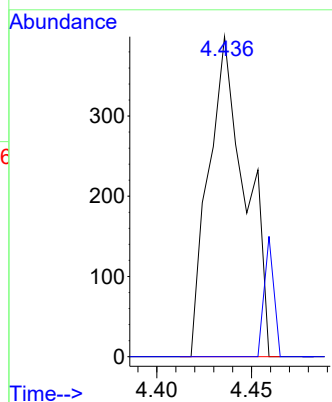
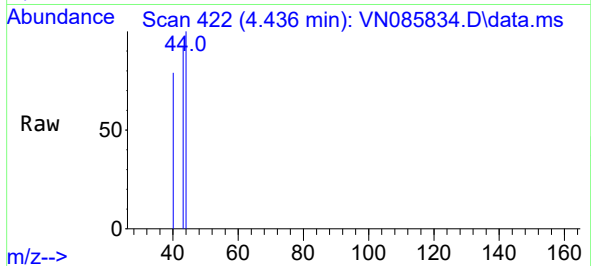




#16
Acetone
Concen: 0.58 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

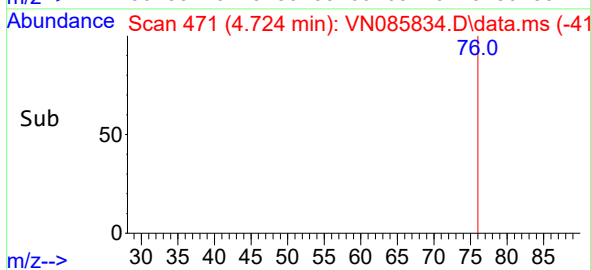
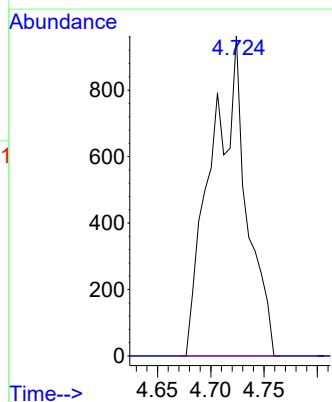
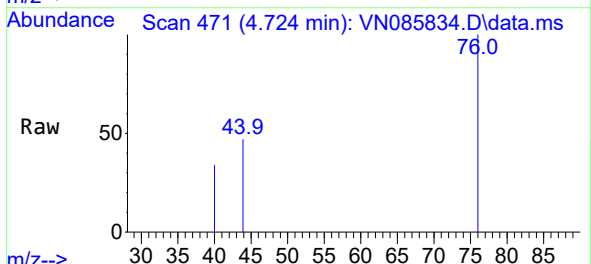
Instrument :
MSVOA_X
ClientSampleId :

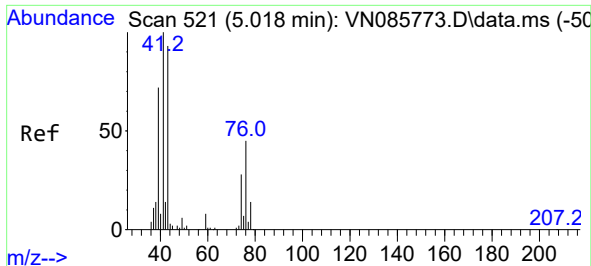
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 76 Resp: 2202
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

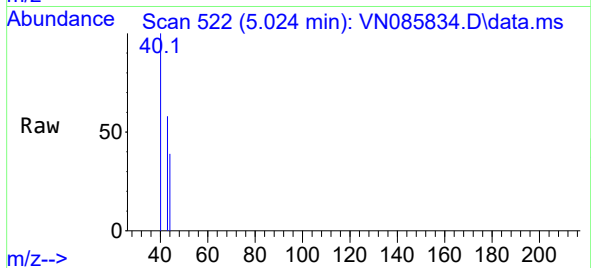
Lab File: VN085834.D

Acq: 24 Feb 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

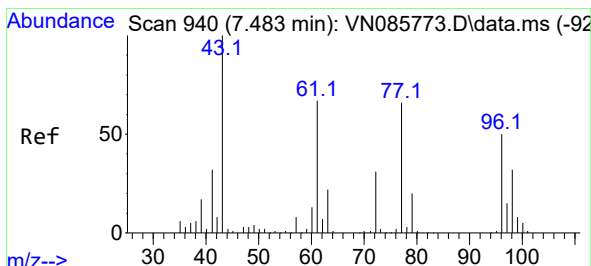
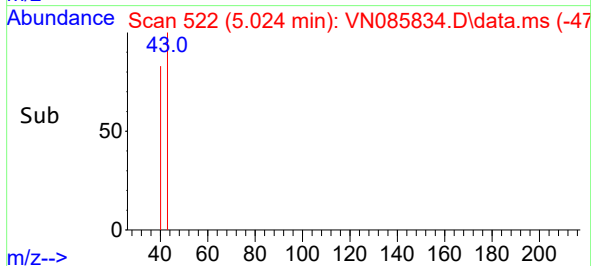
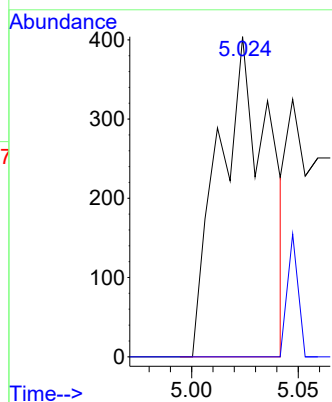


Tgt Ion: 43 Resp: 658

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



#27

cis-1,2-Dichloroethene

Concen: 6.31 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085834.D

Acq: 24 Feb 2025 14:00

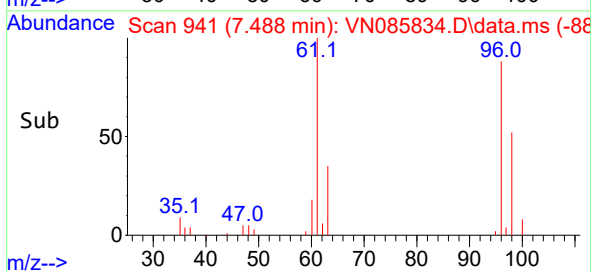
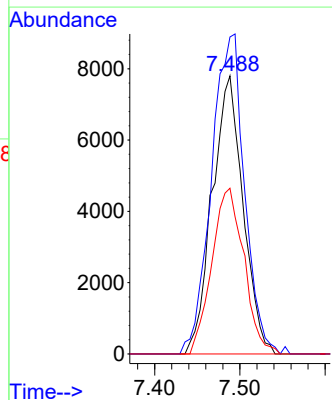
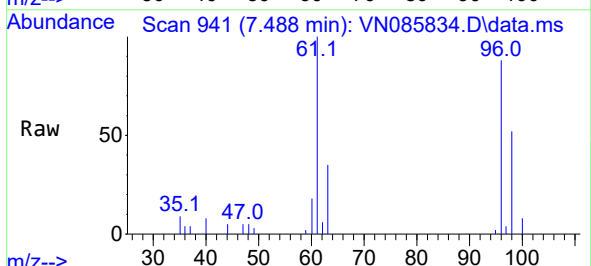
Tgt Ion: 96 Resp: 19649

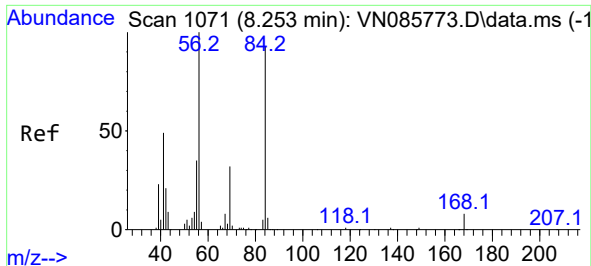
Ion Ratio Lower Upper

96 100

61 123.3 0.0 280.6

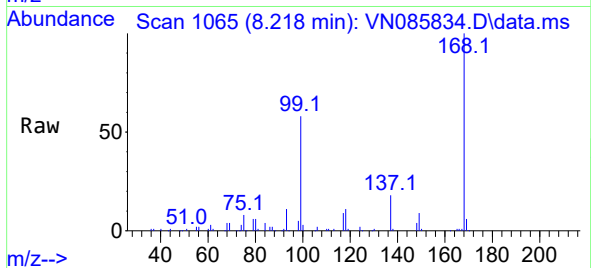
98 62.0 0.0 128.6



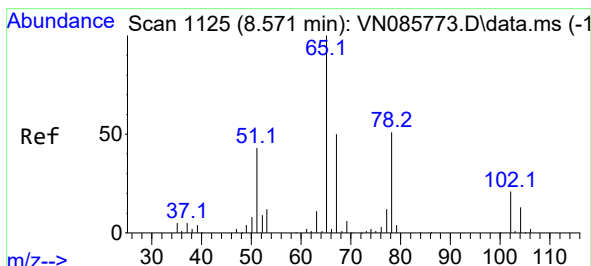
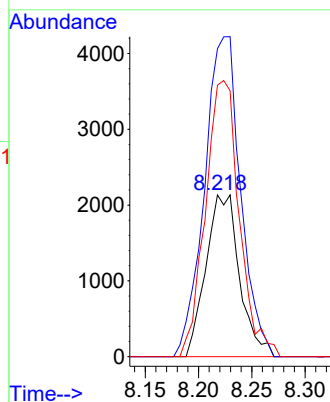
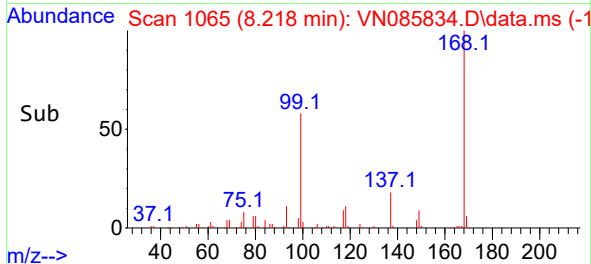


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

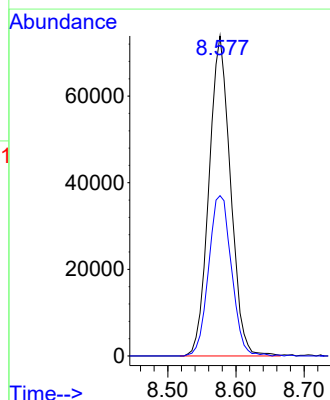
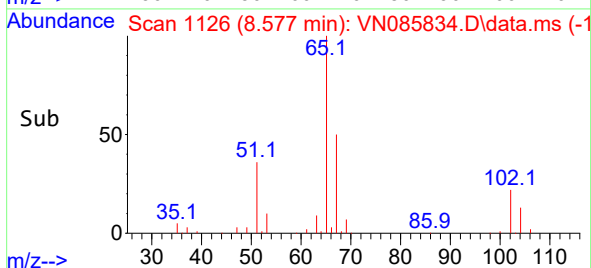
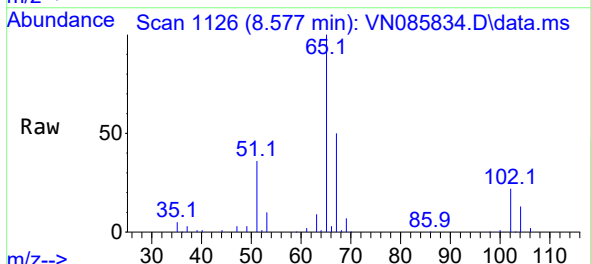


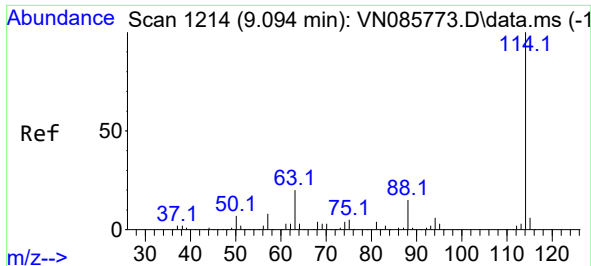
Tgt Ion: 56 Resp: 4669
Ion Ratio Lower Upper
56 100
69 190.3 25.8 38.6#
84 167.8 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 55.09 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 65 Resp: 162359
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.2

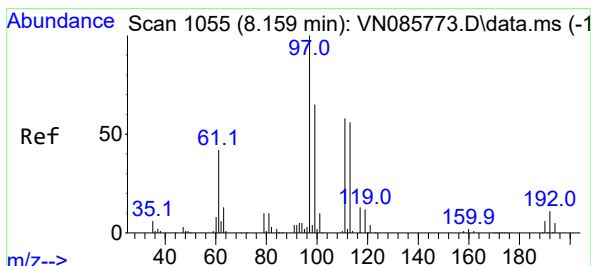
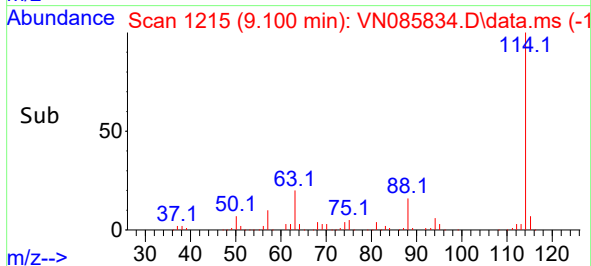
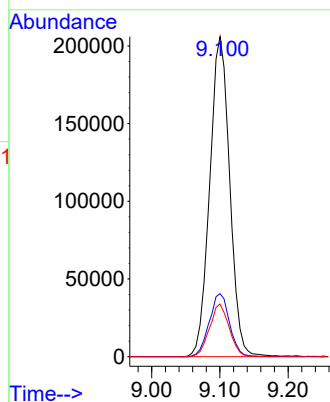
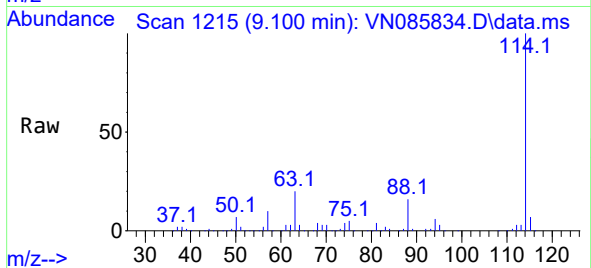




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

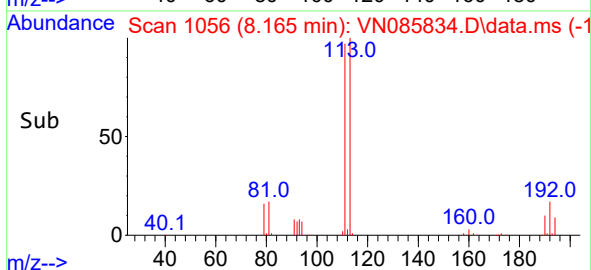
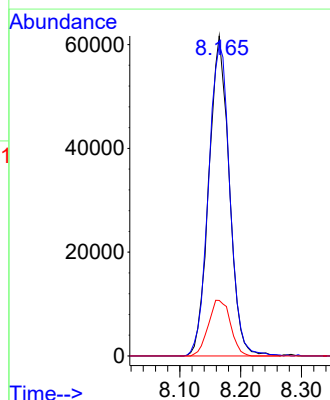
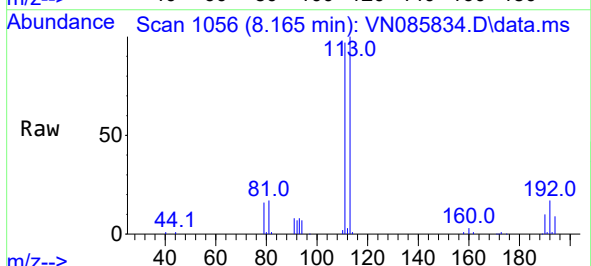
Instrument :
MSVOA_X
ClientSampleId :

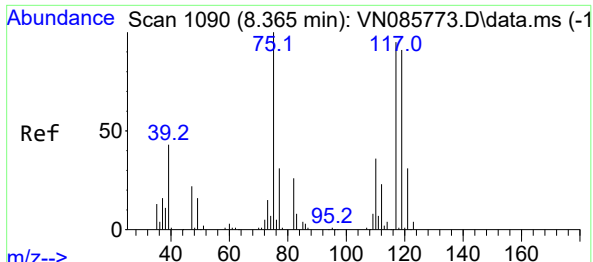
Tgt Ion:114 Resp: 420422
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.2
88 16.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.09 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion:113 Resp: 143309
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.9 14.7 22.1

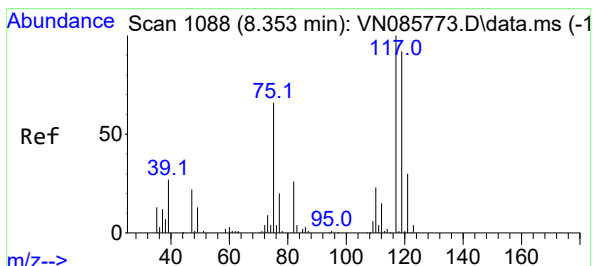
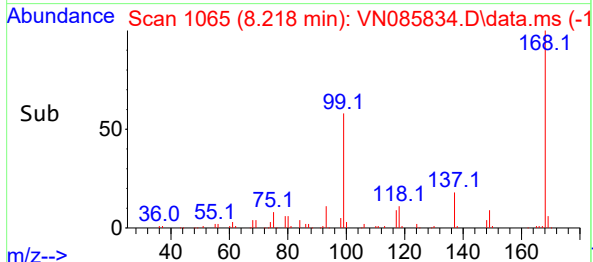
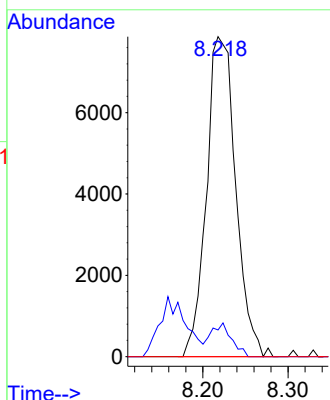
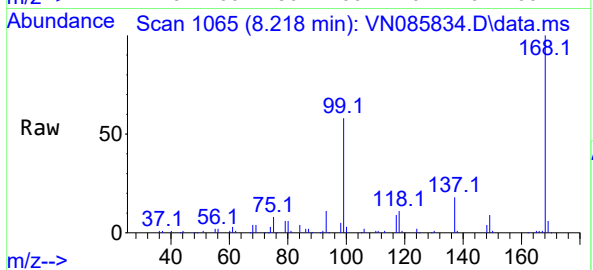




#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

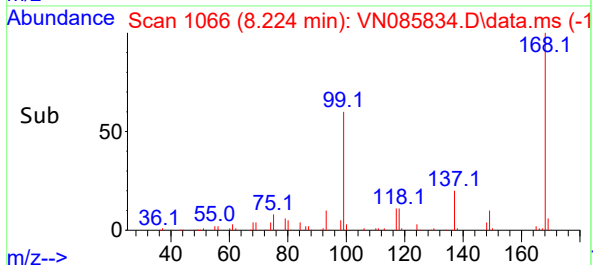
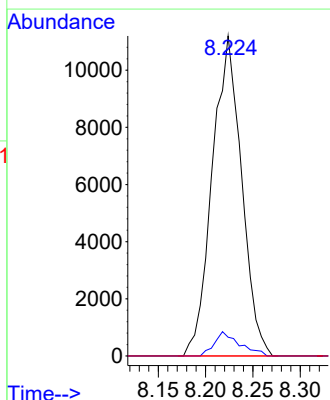
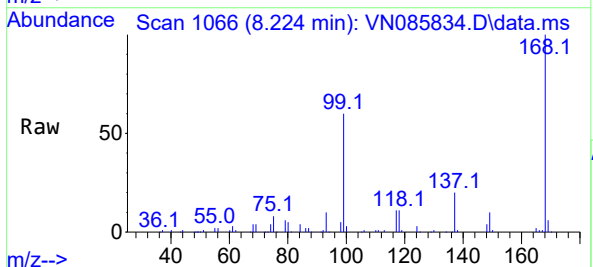
Instrument :
MSVOA_X
ClientSampleId :

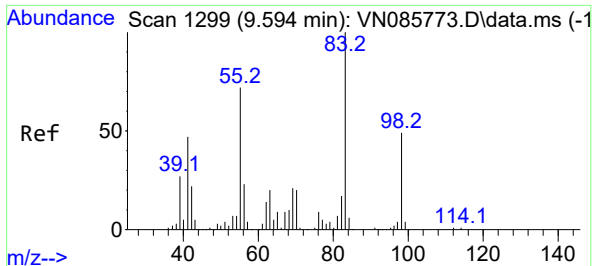
Tgt Ion: 75 Resp: 18765
Ion Ratio Lower Upper
75 100
110 7.5 17.3 52.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

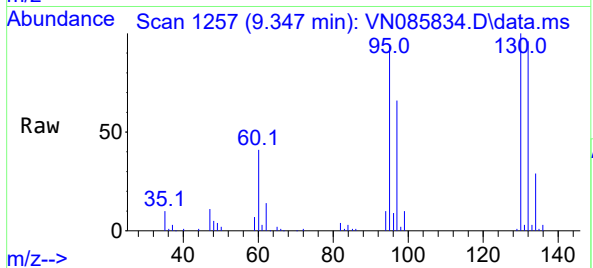
Tgt Ion: 117 Resp: 24159
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 24.3 36.5#



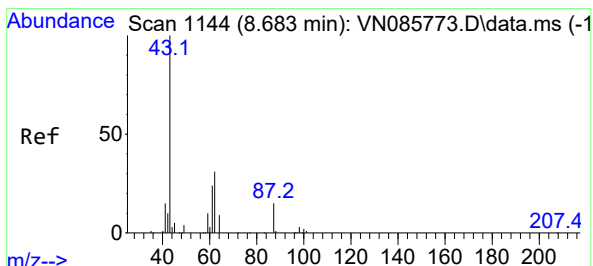
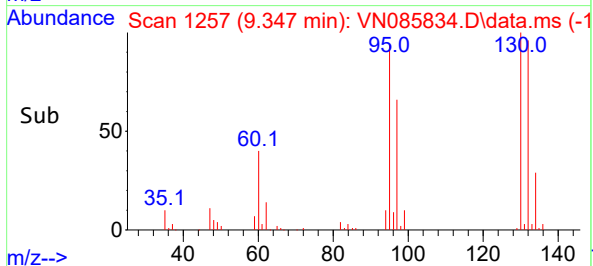
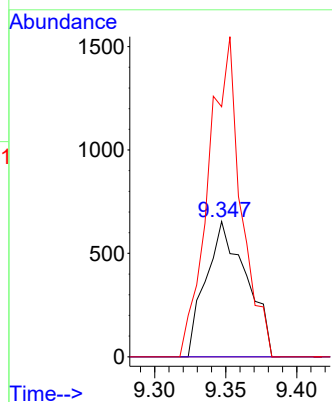


#39
Methylcyclohexane
Concen: 0.34 ug/l
RT: 9.347 min Scan# 1129
Delta R.T. -0.247 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

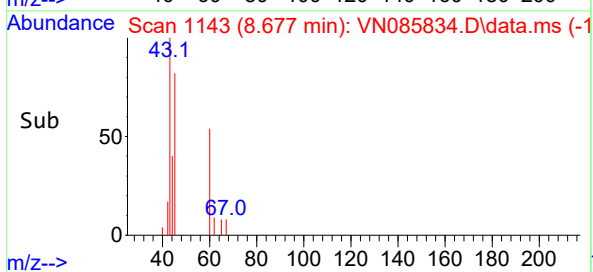
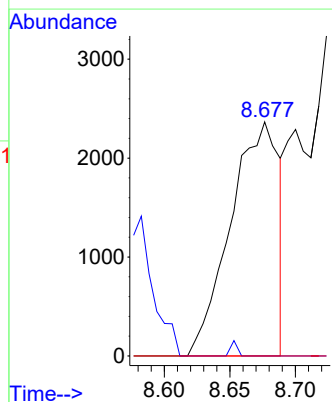
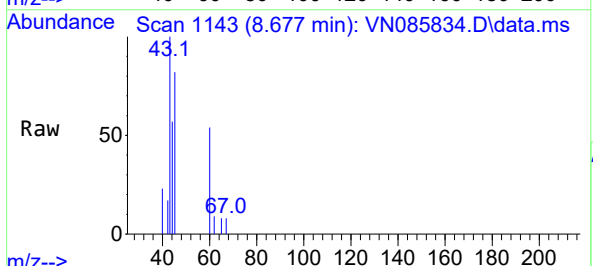


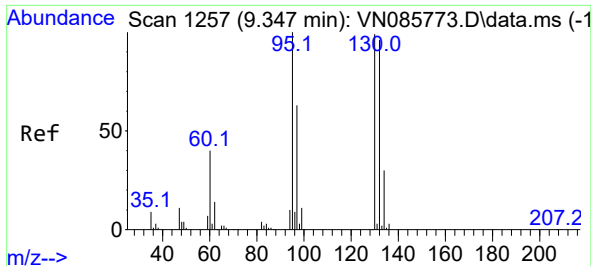
Tgt Ion: 83 Resp: 1296
Ion Ratio Lower Upper
83 100
55 0.0 57.5 86.3#
98 184.9 39.2 58.8#



#43
Isopropyl Acetate
Concen: 0.54 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 43 Resp: 6092
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

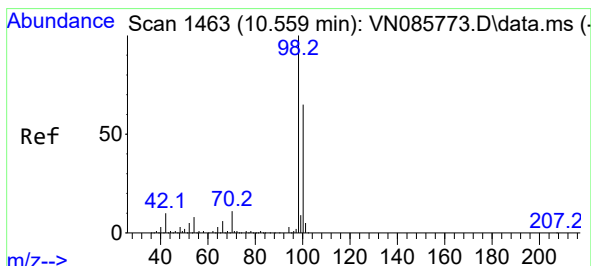
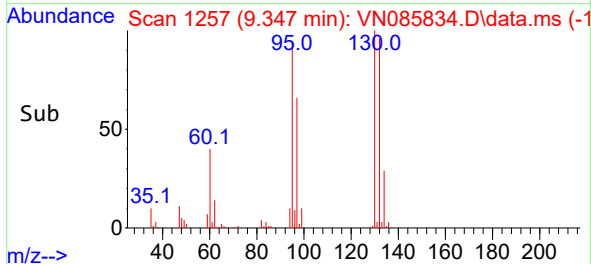
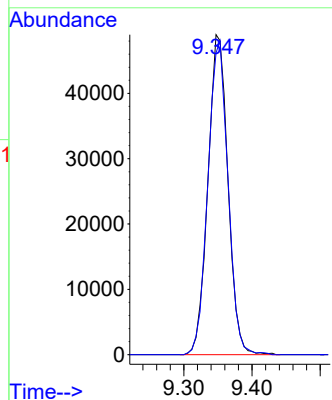
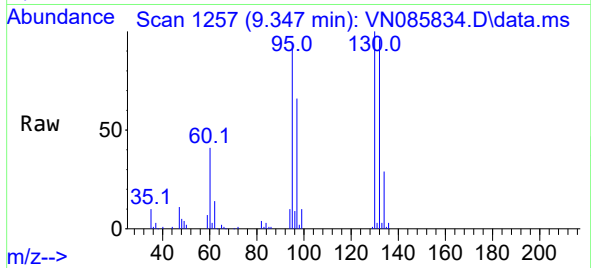




#44
Trichloroethene
Concen: 32.67 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

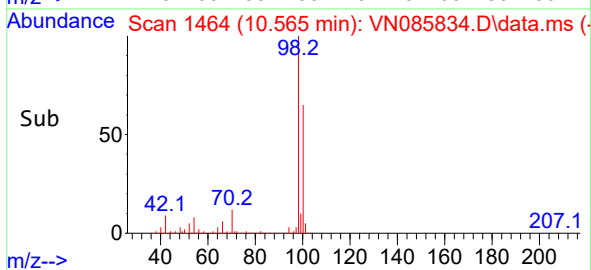
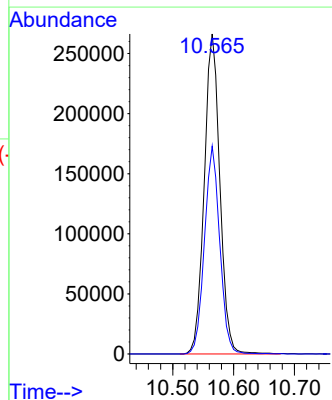
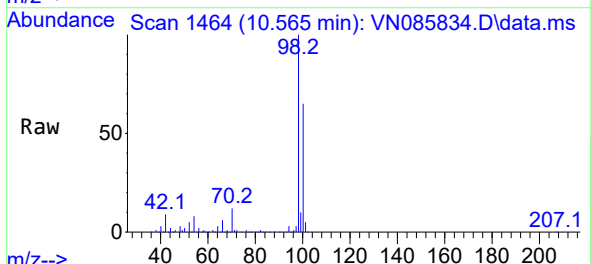
Instrument :
MSVOA_X
ClientSampleId :

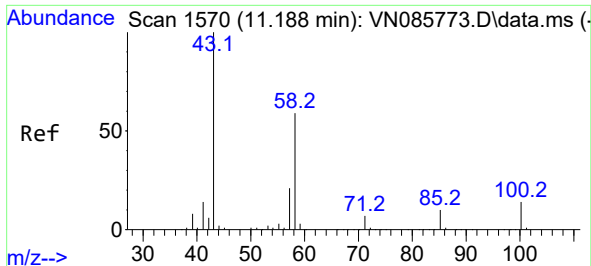
Tgt Ion:130 Resp: 100090
Ion Ratio Lower Upper
130 100
95 94.3 0.0 202.6



#50
Toluene-d8
Concen: 47.51 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 98 Resp: 475579
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1

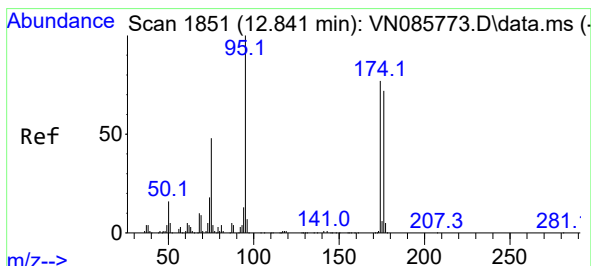
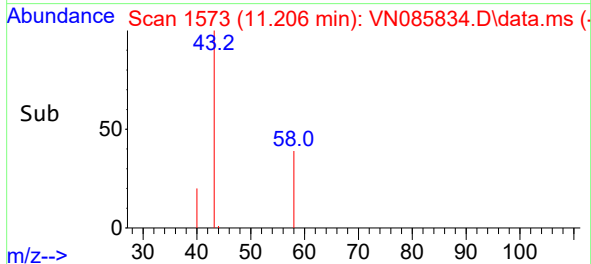
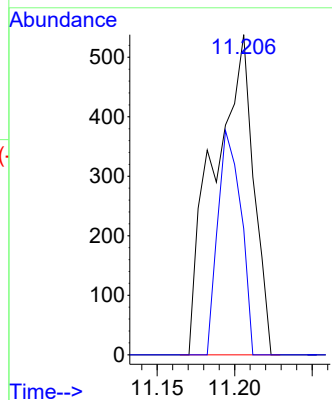
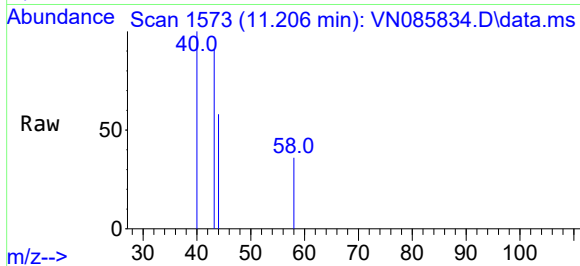




#59
2-Hexanone
Concen: 0.45 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

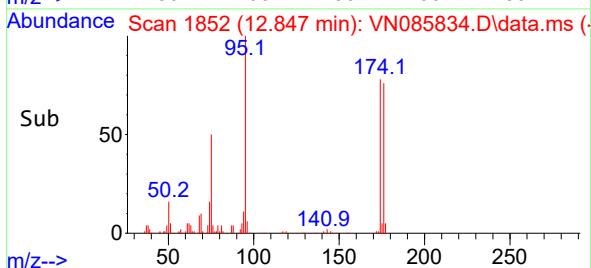
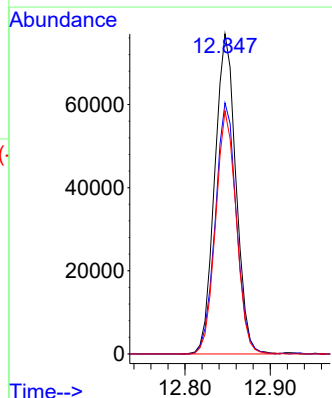
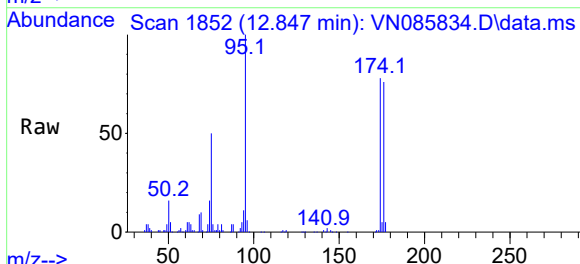
Instrument :
MSVOA_X
ClientSampleId :

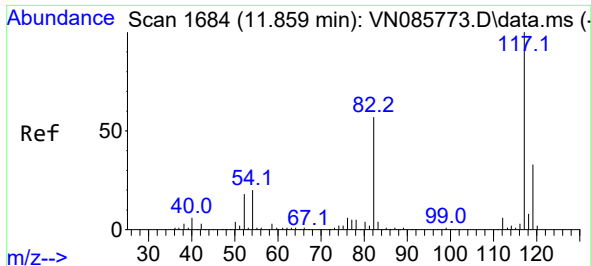
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 41.2 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 40.30 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 95 Resp: 132906
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.4
176 73.9 0.0 146.6

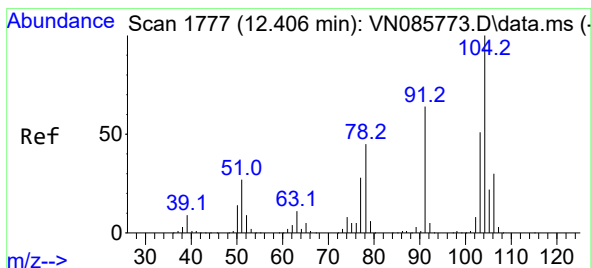
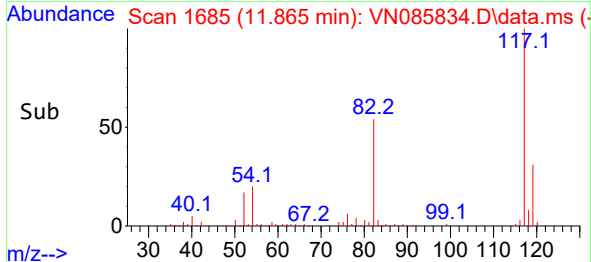
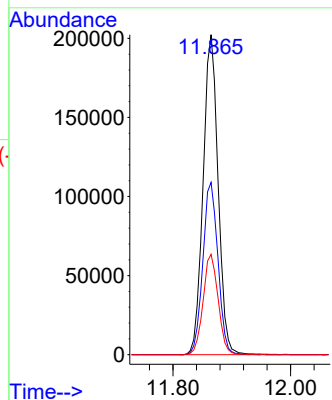
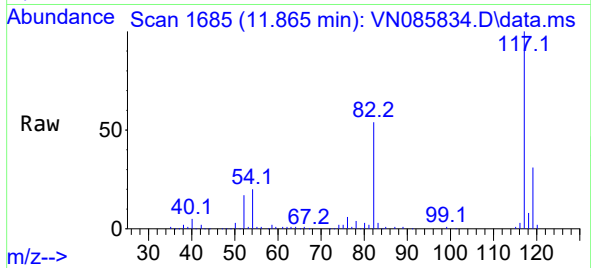




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

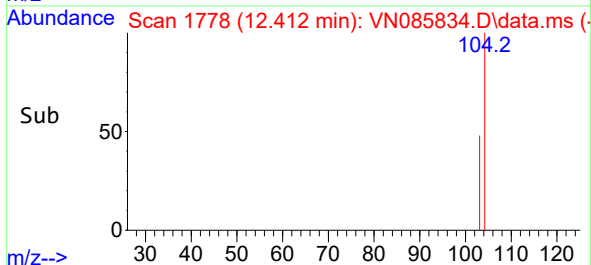
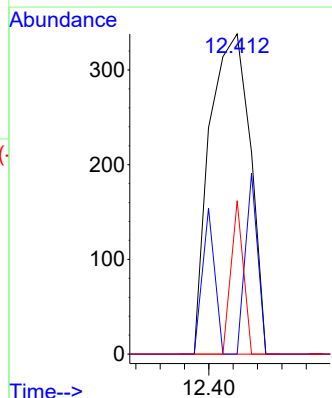
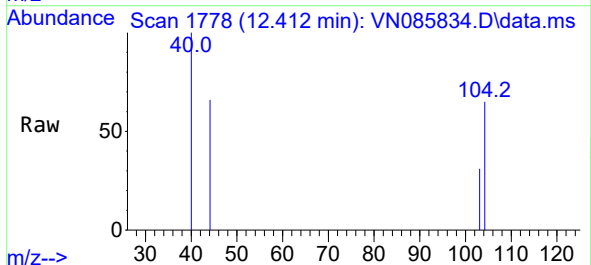
Instrument :
MSVOA_X
ClientSampleId :

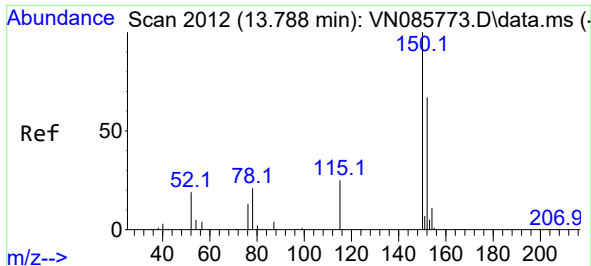
Tgt Ion:117 Resp: 359119
Ion Ratio Lower Upper
117 100
82 53.8 45.7 68.5
119 31.4 26.2 39.2



#70
Styrene
Concen: 0.63 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

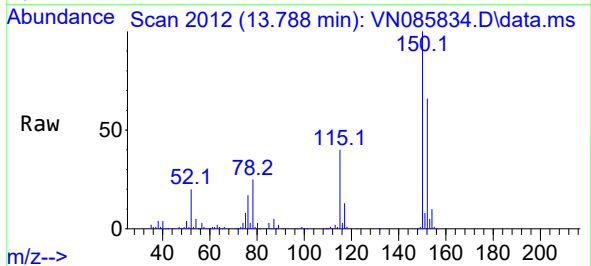
Tgt Ion:104 Resp: 390
Ion Ratio Lower Upper
104 100
78 17.2 39.0 58.6#
103 14.6 43.3 64.9#



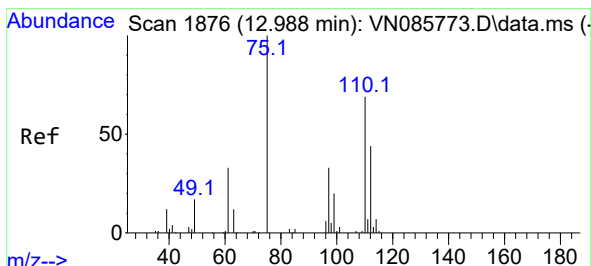
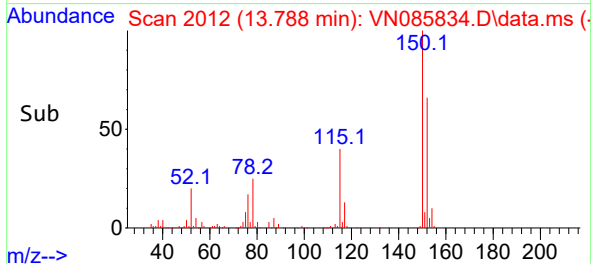
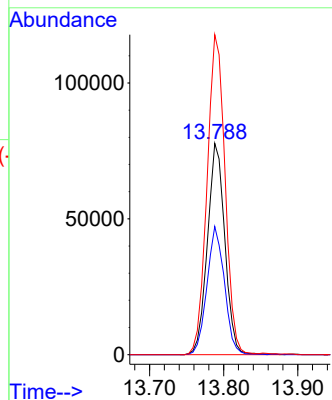


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

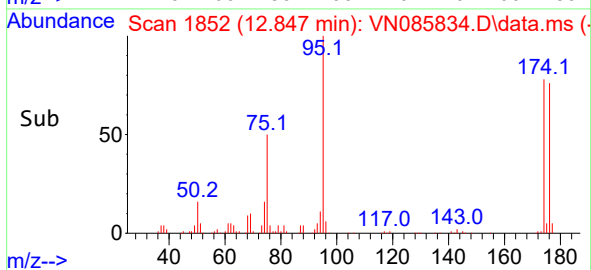
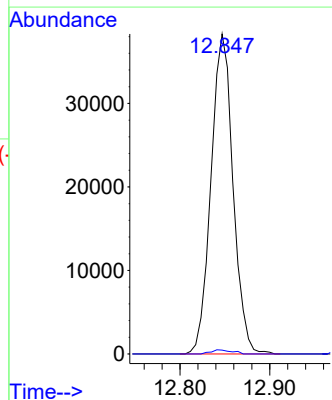
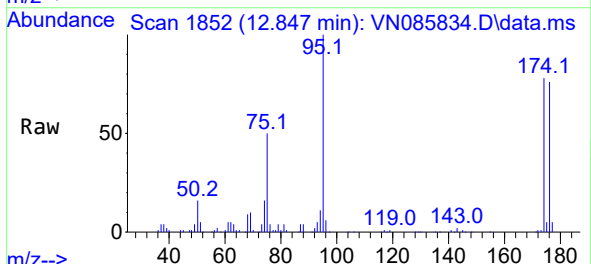


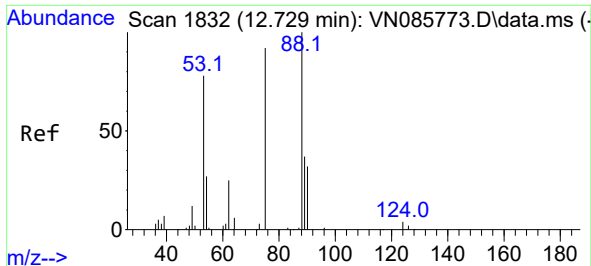
Tgt Ion:152 Resp: 127235
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.3
150 156.0 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 23.09 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 75 Resp: 65267
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#

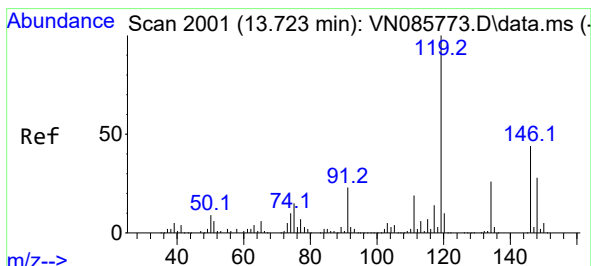
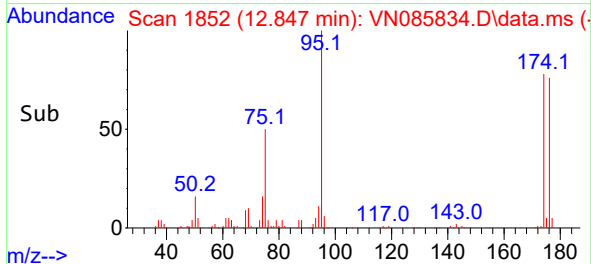
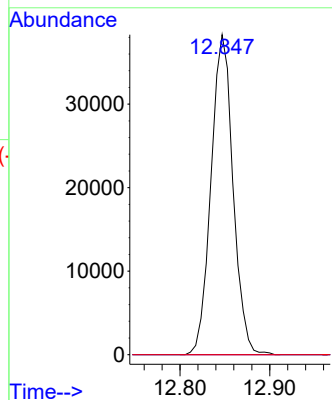
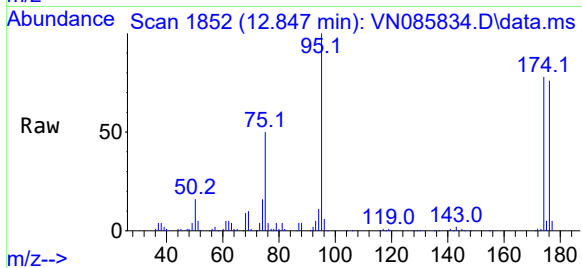




#81
trans-1,4-Dichloro-2-butene
Concen: 67.38 ug/l
RT: 12.847 min Scan# 1832
Delta R.T. 0.118 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

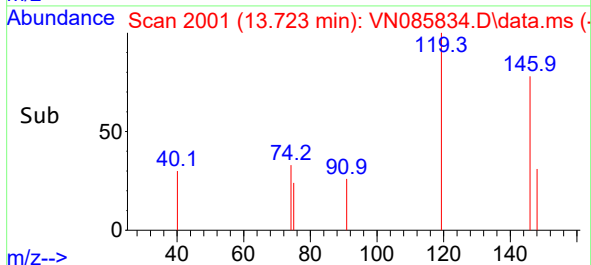
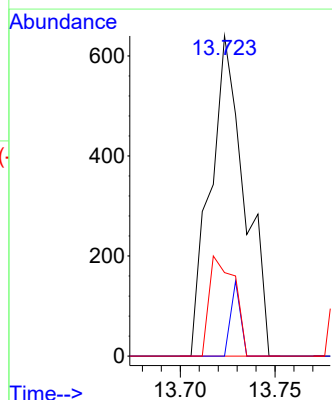
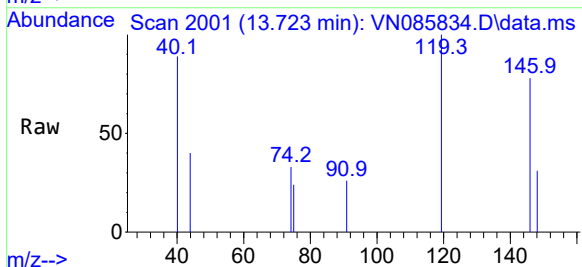
Instrument :
MSVOA_X
ClientSampleId :

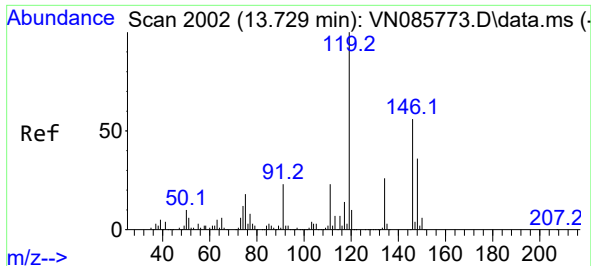
Tgt Ion: 75 Resp: 65267
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.74 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion: 119 Resp: 805
Ion Ratio Lower Upper
119 100
134 6.6 13.0 39.0#
91 23.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

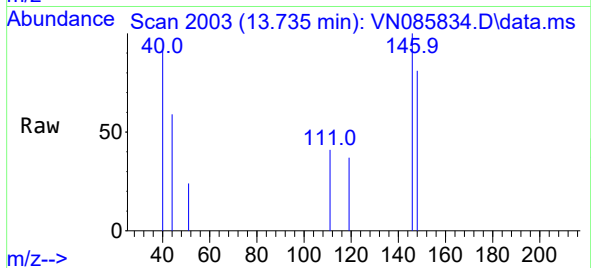
Lab File: VN085834.D

Acq: 24 Feb 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :



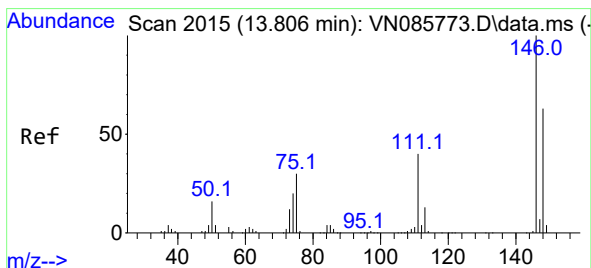
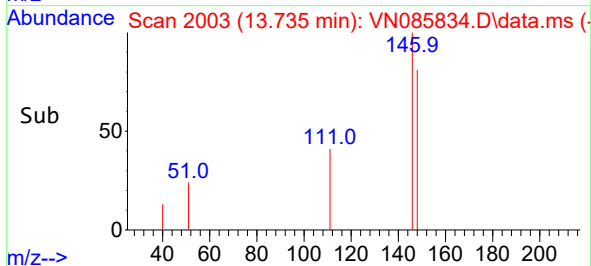
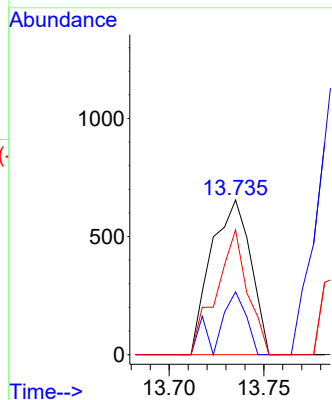
Tgt Ion:146 Resp: 953

Ion Ratio Lower Upper

146 100

111 28.4 21.1 63.3

148 64.0 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.071 min

Lab File: VN085834.D

Acq: 24 Feb 2025 14:00

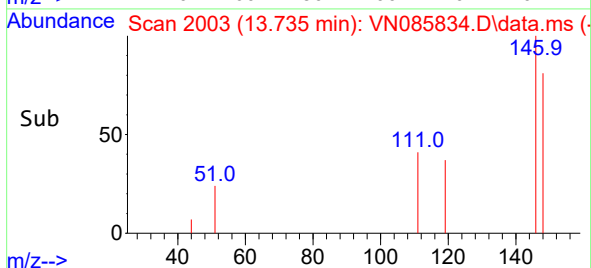
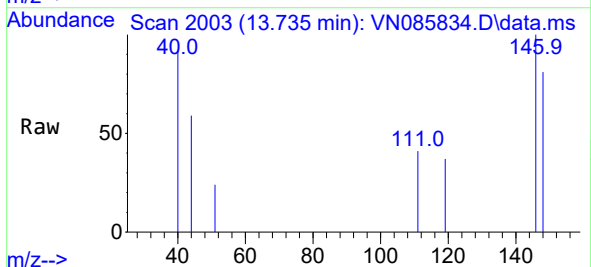
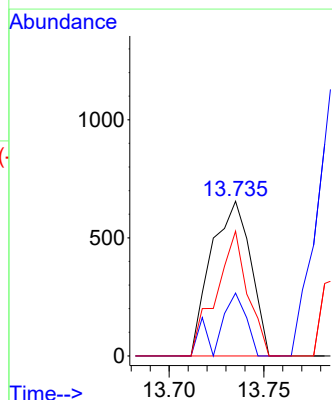
Tgt Ion:146 Resp: 953

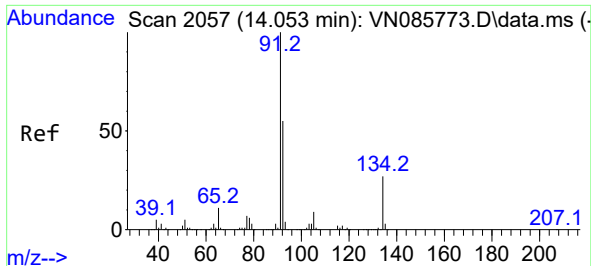
Ion Ratio Lower Upper

146 100

111 28.4 20.4 61.3

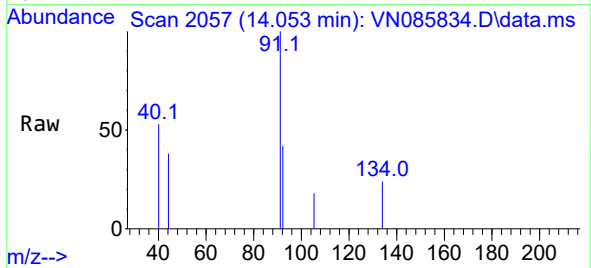
148 64.0 31.8 95.4



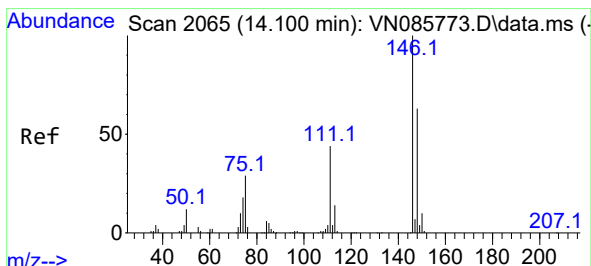
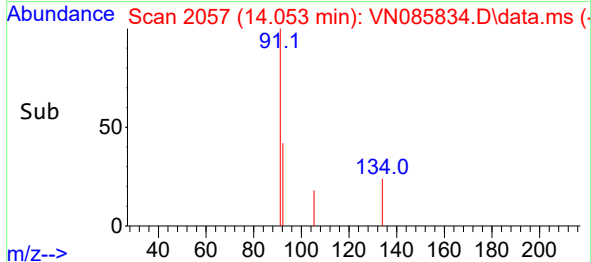
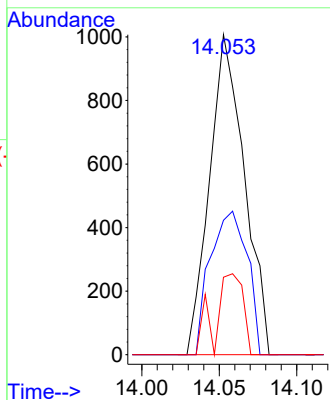


#89
n-Butylbenzene
Concen: 0.26 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

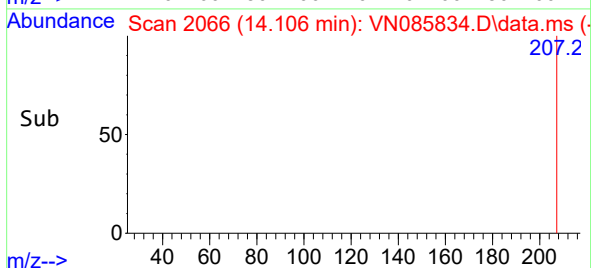
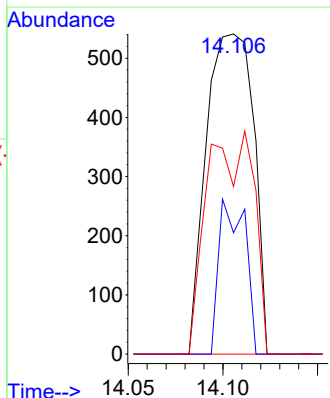
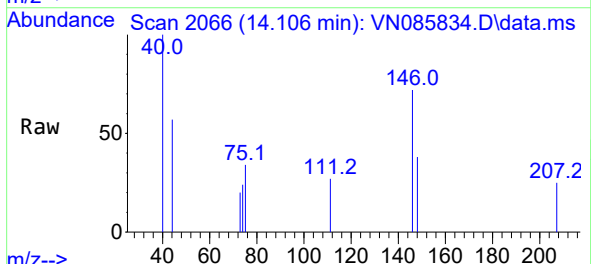


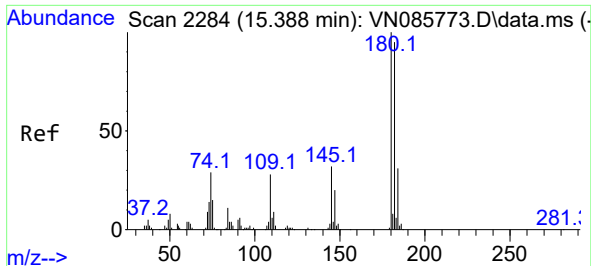
Tgt Ion: 91 Resp: 1574
Ion Ratio Lower Upper
91 100
92 47.6 27.1 81.3
134 20.4 12.7 38.1



#91
1,2-Dichlorobenzene
Concen: 0.22 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

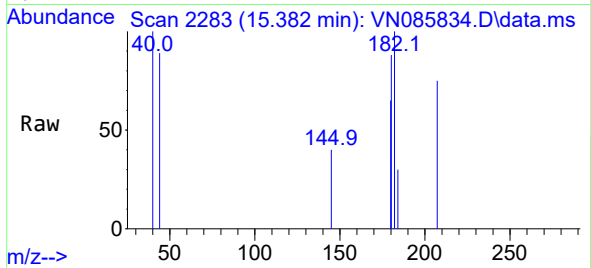
Tgt Ion:146 Resp: 939
Ion Ratio Lower Upper
146 100
111 26.7 21.4 64.3
148 68.7 32.0 96.2



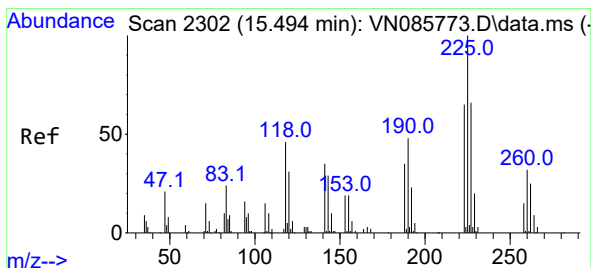
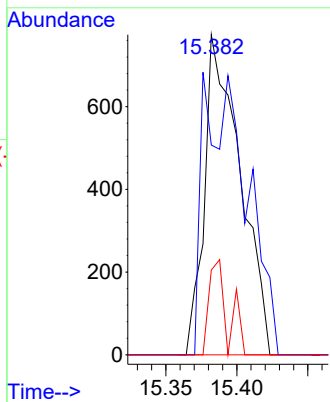
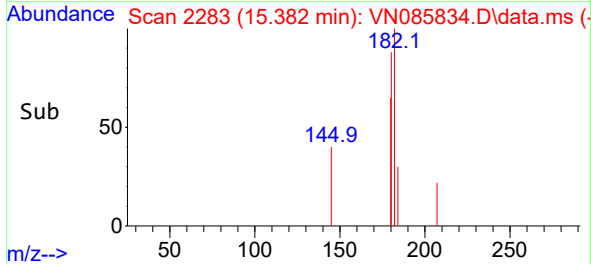


#93
1,2,4-Trichlorobenzene
Concen: 0.67 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

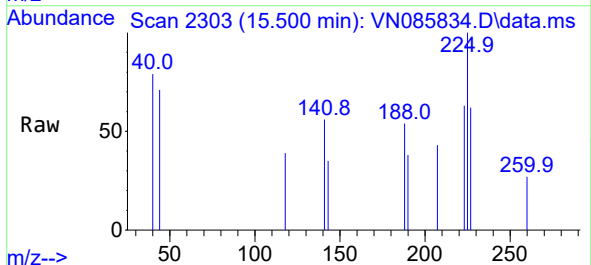
Instrument :
MSVOA_X
ClientSampleId :



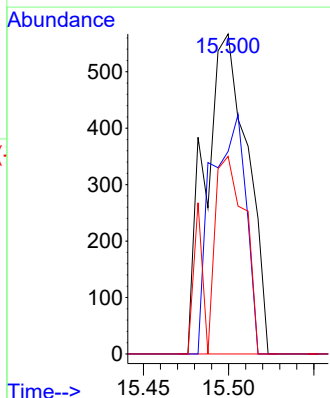
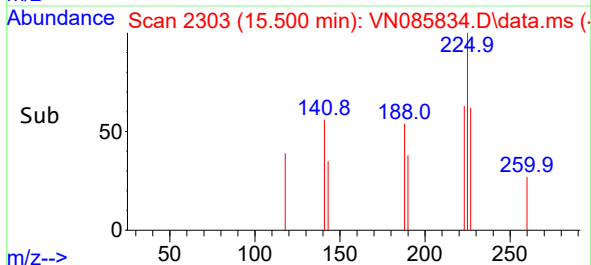
Tgt Ion:180 Resp: 1351
Ion Ratio Lower Upper
180 100
182 44.1 47.3 141.9#
145 15.5 16.2 48.5#

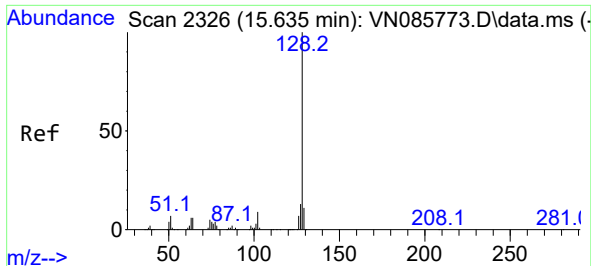


#94
Hexachlorobutadiene
Concen: 0.80 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00



Tgt Ion:225 Resp: 978
Ion Ratio Lower Upper
225 100
223 60.9 31.9 95.5
227 52.8 32.2 96.6

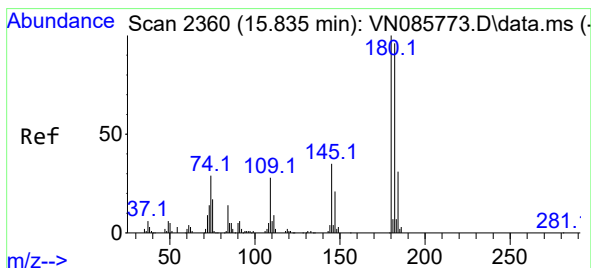
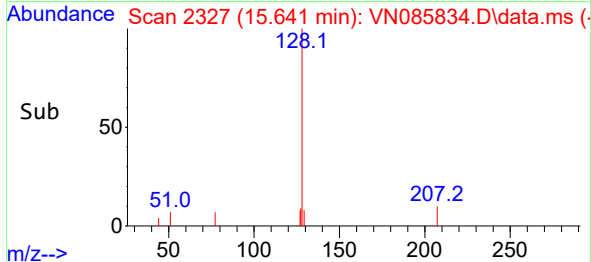
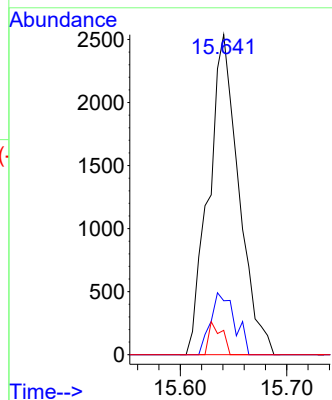
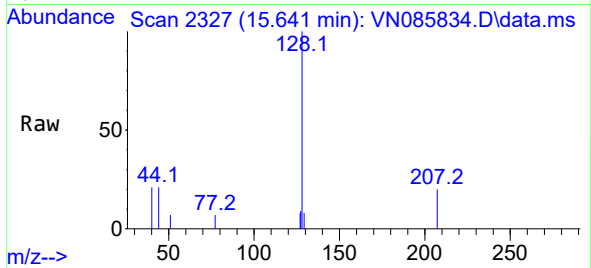




#95
Naphthalene
Concen: 0.90 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 4988
Ion Ratio Lower Upper
128 100
127 15.5 10.2 15.2#
129 4.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.77 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085834.D
Acq: 24 Feb 2025 14:00

Tgt Ion:180 Resp: 1554
Ion Ratio Lower Upper
180 100
182 90.4 47.3 141.8
145 25.9 16.9 50.6

