

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076058.D
 Acq On : 03 Jan 2023 13:02
 Operator : JC\MD
 Sample : VN0103MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103MBL01

Quant Time: Jan 04 04:15:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

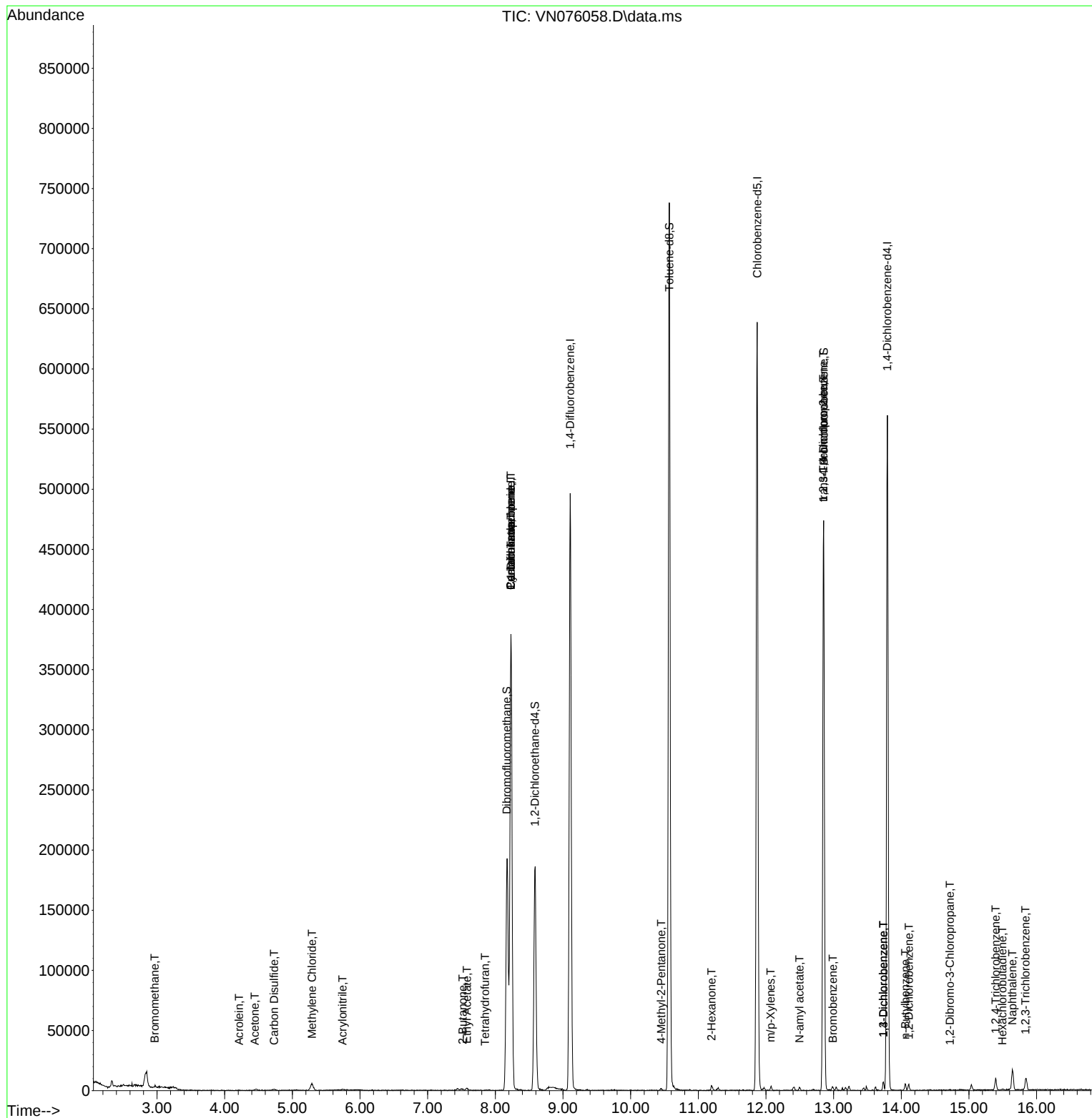
Internal Standards						
1) Pentafluorobenzene	8.229	168	297273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	392037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149354	46.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.360%		
35) Dibromofluoromethane	8.171	113	138862	48.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	10.571	98	526138	49.093	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.180%		
62) 4-Bromofluorobenzene	12.853	95	159070	44.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.620%		
Target Compounds						Qvalue
5) Bromomethane	2.965	94	848	0.319	ug/l #	3
13) Acrolein	4.212	56	149	0.266	ug/l #	77
15) Acrylonitrile	5.741	53	753	0.603	ug/l #	73
16) Acetone	4.447	43	2149	1.928	ug/l #	75
17) Carbon Disulfide	4.730	76	2157	0.338	ug/l #	76
20) Methylene Chloride	5.289	84	4720	0.955	ug/l #	85
25) 2-Butanone	7.518	43	1717	1.100	ug/l #	81
29) Tetrahydrofuran	7.847	42	226	0.231	ug/l #	25
31) Cyclohexane	8.229	56	5500	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	20511	5.387	ug/l #	49
37) Ethyl Acetate	7.582	43	2201	0.720	ug/l #	80
38) Carbon Tetrachloride	8.229	117	28417	6.668	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	1380	0.452	ug/l #	77
59) 2-Hexanone	11.194	43	2912	1.309	ug/l	82
68) m/p-Xylenes	12.070	106	1124	0.209	ug/l	75
74) N-amyl acetate	12.494	43	1340	0.390	ug/l #	91
76) 1,2,3-Trichloropropane	12.847	75	81138	24.830	ug/l #	1
77) Bromobenzene	12.988	156	756	0.255	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	81138	89.374	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	2837	0.518	ug/l	96
88) 1,4-Dichlorobenzene	13.735	146	2837	0.507	ug/l	95
89) n-Butylbenzene	14.059	91	3832	0.476	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	2456	0.455	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	131	0.204	ug/l #	58
93) 1,2,4-Trichlorobenzene	15.394	180	3765	1.410	ug/l	93
94) Hexachlorobutadiene	15.494	225	301	0.207	ug/l #	58
95) Naphthalene	15.641	128	17882	4.116	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	4841	1.939	ug/l	93

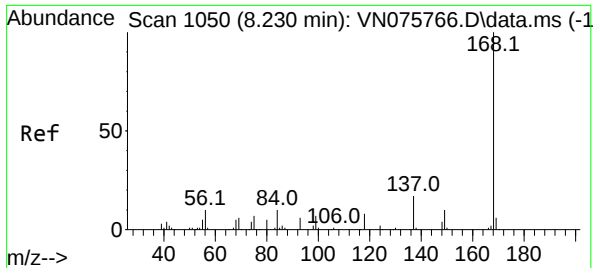
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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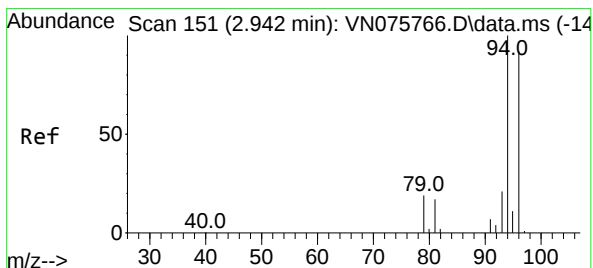
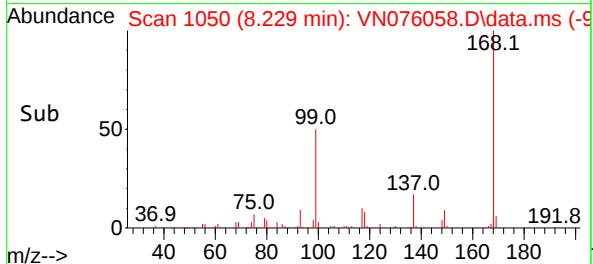
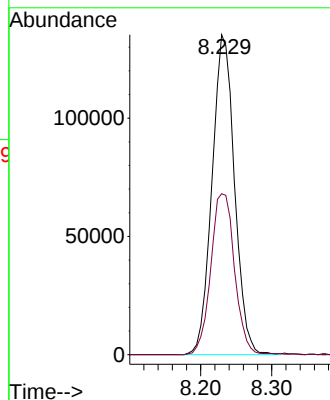
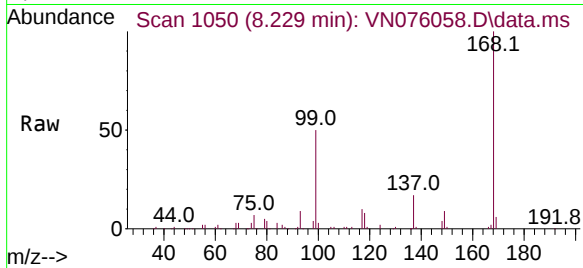




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

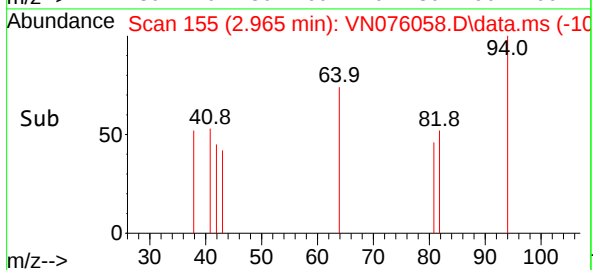
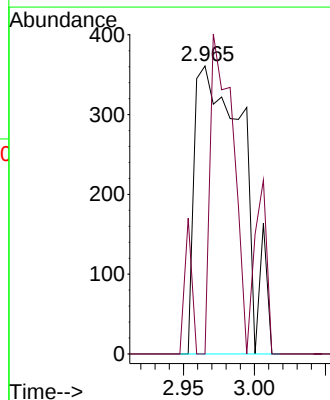
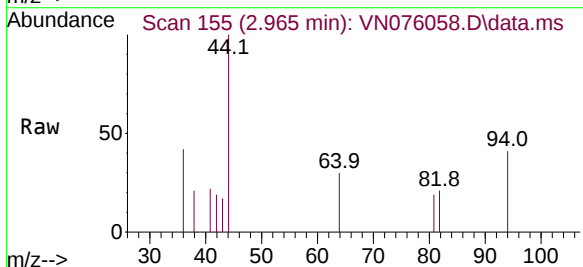
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

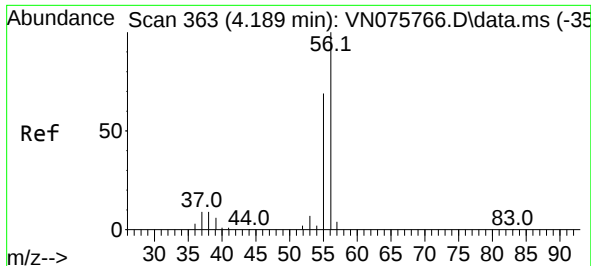
Tgt Ion:168 Resp: 297273
Ion Ratio Lower Upper
168 100
99 50.3 44.2 66.4



#5
Bromomethane
Concen: 0.319 ug/l
RT: 2.965 min Scan# 155
Delta R.T. 0.023 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 94 Resp: 848
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.6#

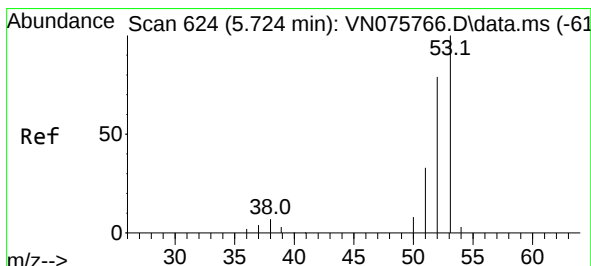
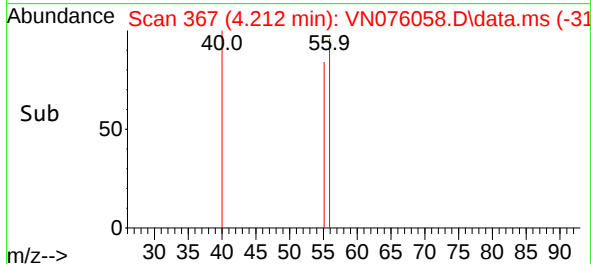
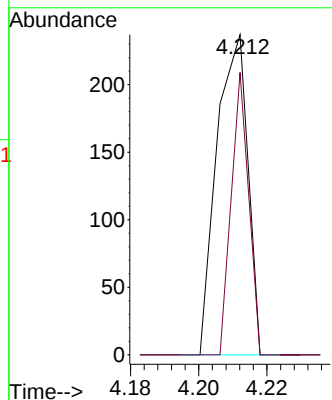
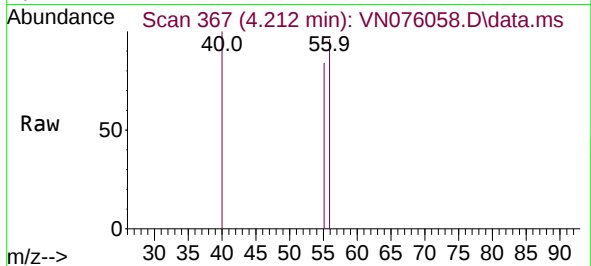




#13
Acrolein
Concen: 0.266 ug/l
RT: 4.212 min Scan# 367
Delta R.T. 0.023 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

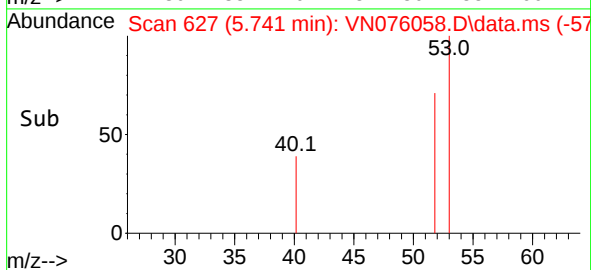
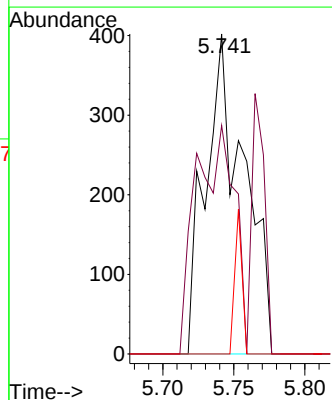
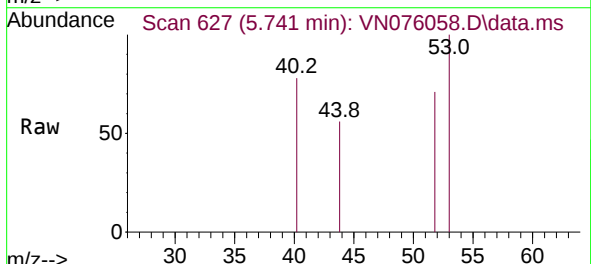
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

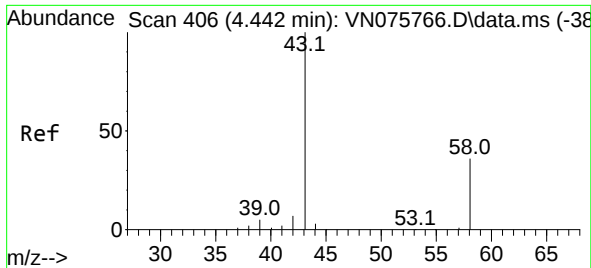
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 49.7 54.8 82.2#



#15
Acrylonitrile
Concen: 0.603 ug/l
RT: 5.741 min Scan# 627
Delta R.T. 0.018 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 53 Resp: 753
Ion Ratio Lower Upper
53 100
52 71.7 65.4 98.0
51 0.0 28.9 43.3#





#16

Acetone

Concen: 1.928 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

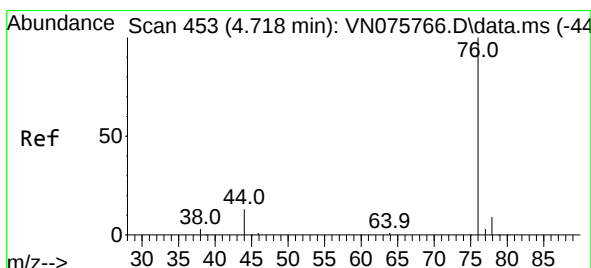
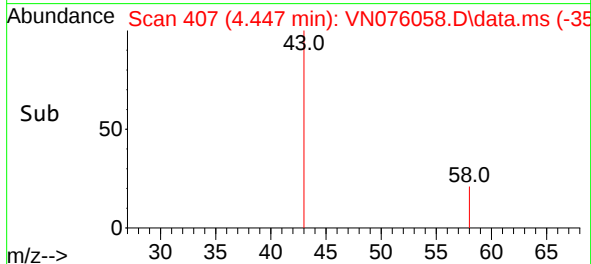
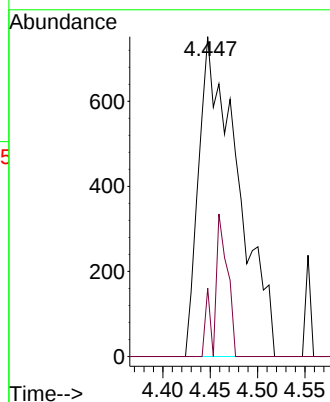
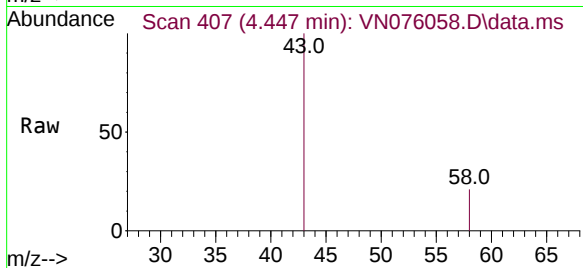
VN0103MBL01

Tgt Ion: 43 Resp: 2149

Ion Ratio Lower Upper

43 100

58 21.4 28.6 43.0#



#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 4.730 min Scan# 455

Delta R.T. 0.012 min

Lab File: VN076058.D

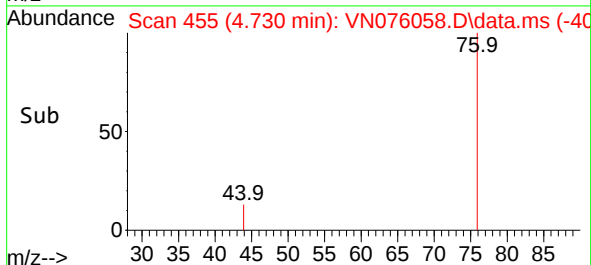
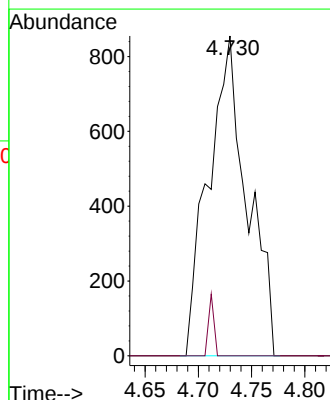
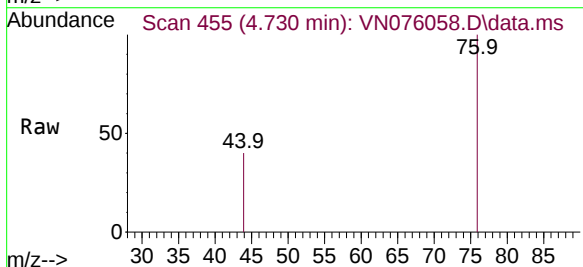
Acq: 03 Jan 2023 13:02

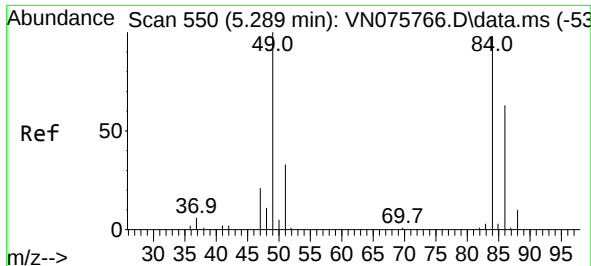
Tgt Ion: 76 Resp: 2157

Ion Ratio Lower Upper

76 100

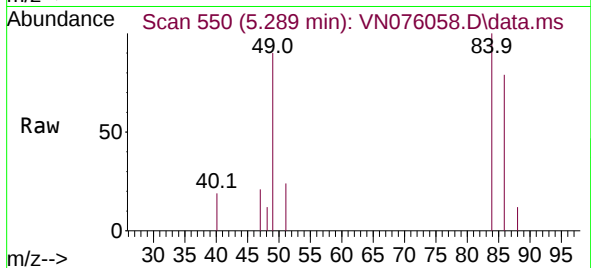
78 0.0 6.8 10.2#



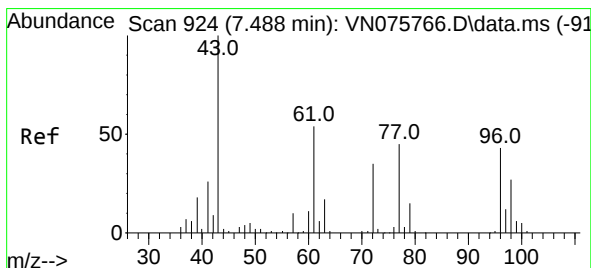
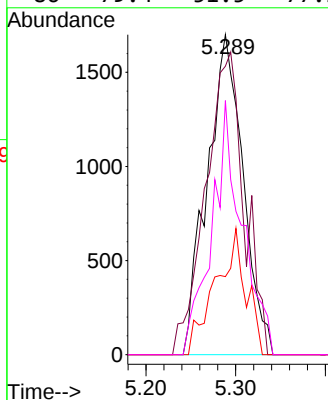
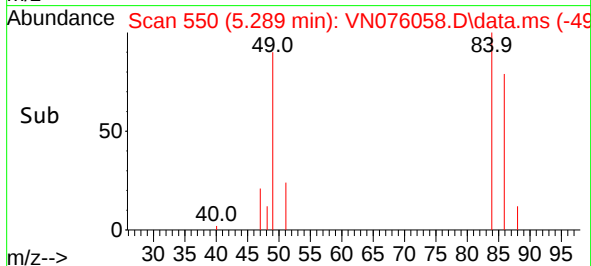


#20
Methylene Chloride
Concen: 0.955 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

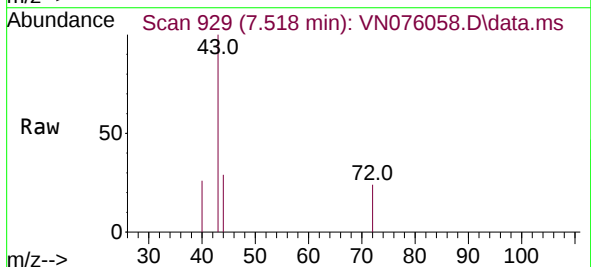
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01



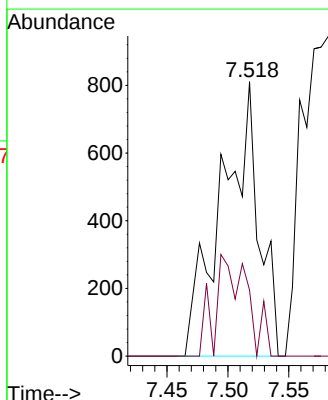
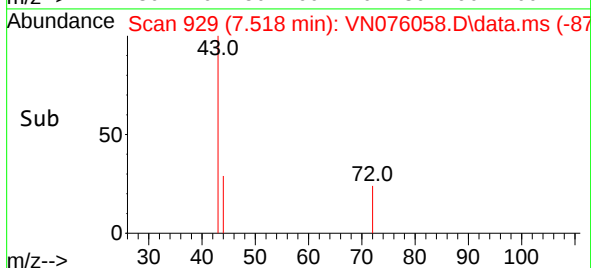
Tgt Ion	Ratio	Lower	Upper
84	100		
49	90.2	81.8	122.6
51	24.4	26.7	40.1#
86	79.4	51.5	77.3#

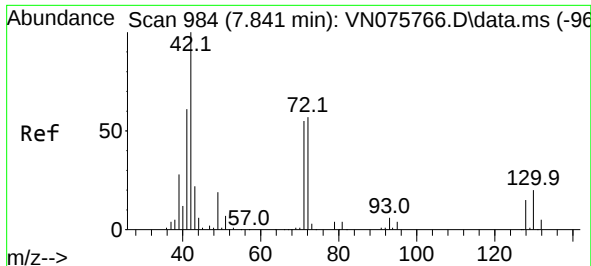


#25
2-Butanone
Concen: 1.100 ug/l
RT: 7.518 min Scan# 929
Delta R.T. 0.029 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02



Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	28.0	42.0#





#29

Tetrahydrofuran

Concen: 0.231 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0103MBL01

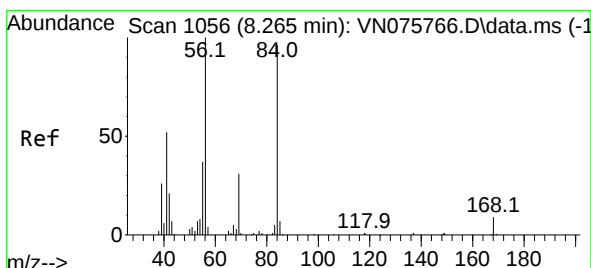
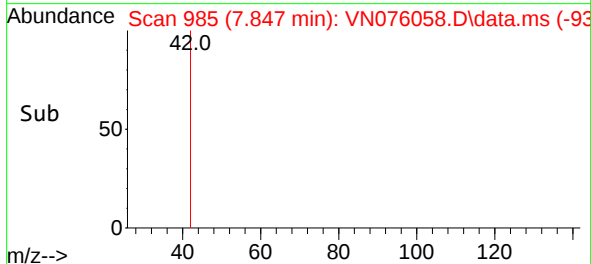
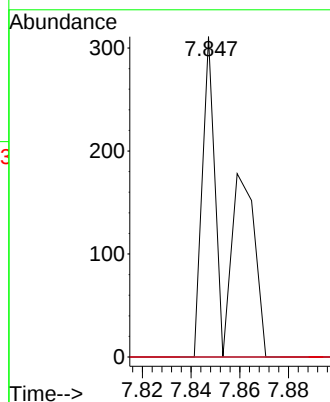
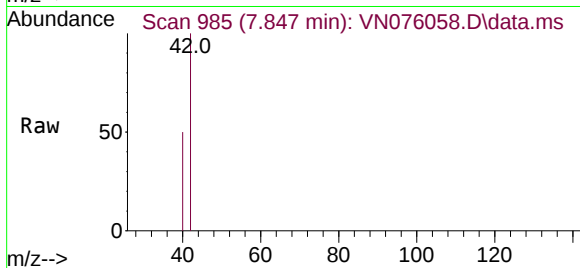
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

71 0.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

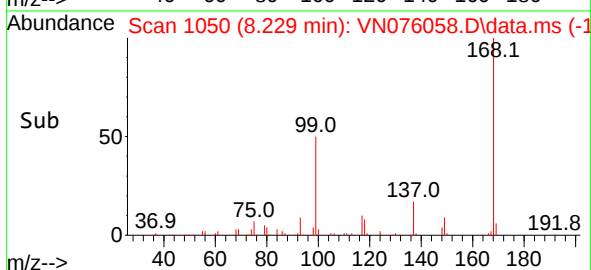
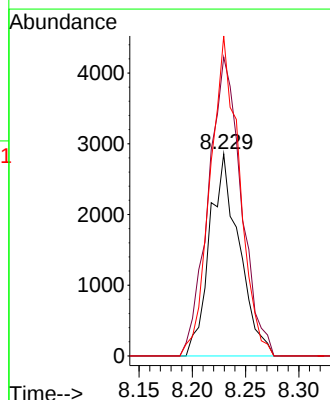
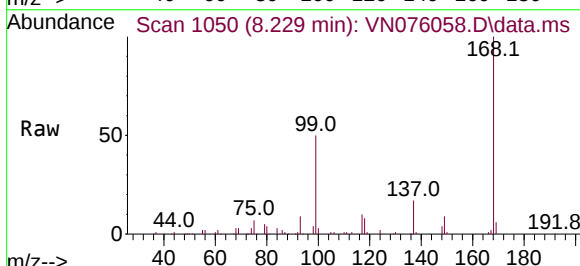
Tgt Ion: 56 Resp: 5500

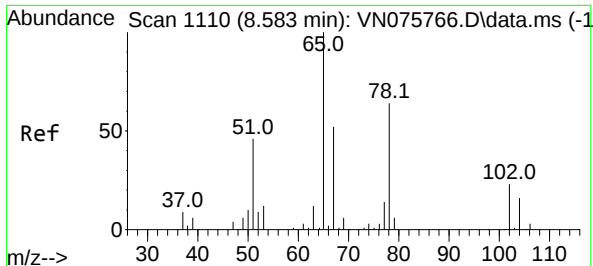
Ion Ratio Lower Upper

56 100

69 147.9 24.7 37.1#

84 158.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.182 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

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ClientSampleId :

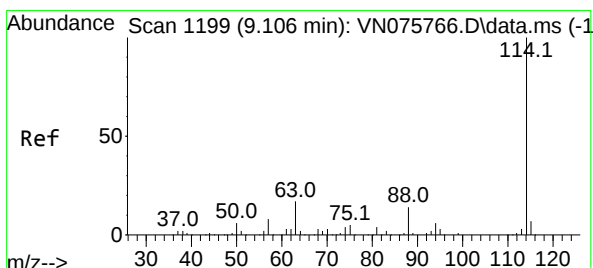
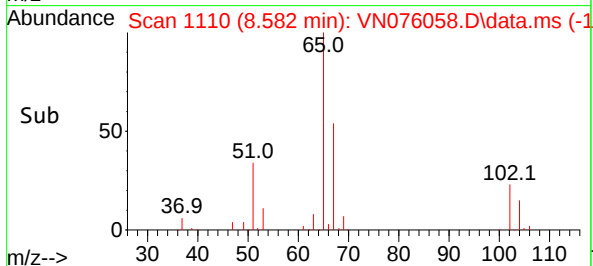
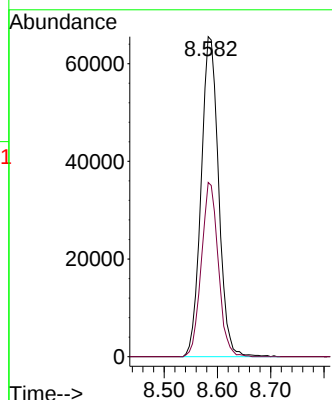
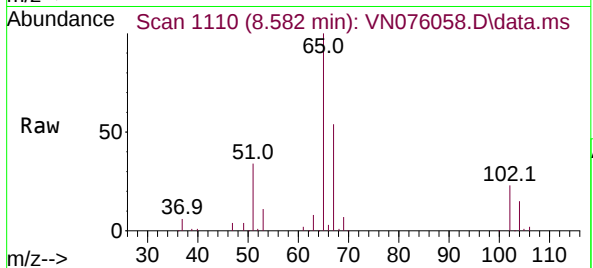
VN0103MBL01

Tgt Ion: 65 Resp: 149354

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

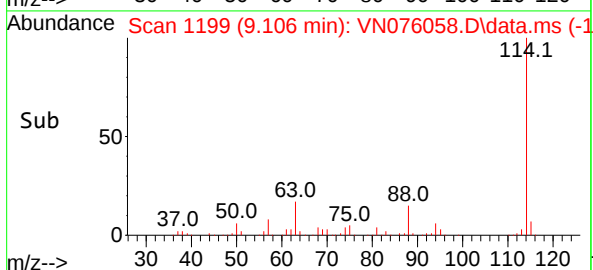
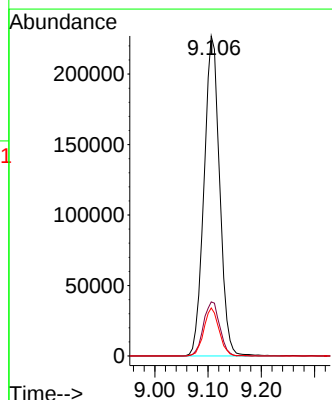
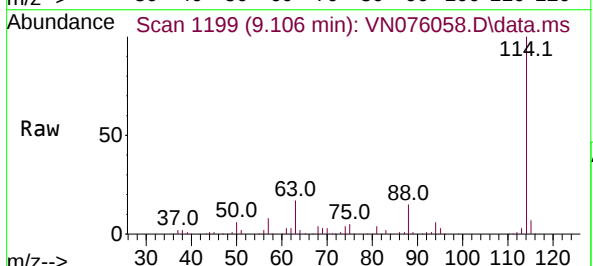
Tgt Ion:114 Resp: 462861

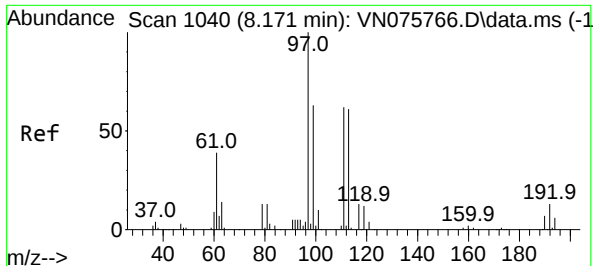
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.444 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0103MBL01

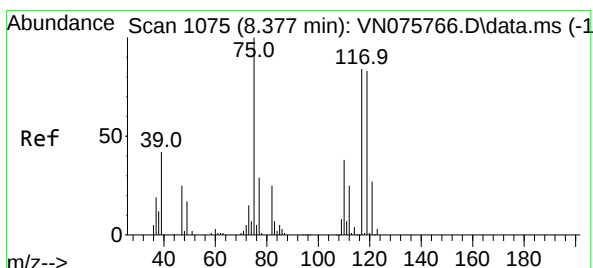
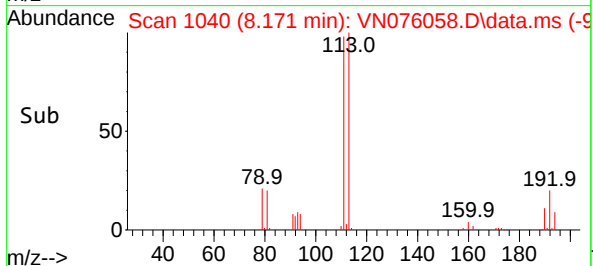
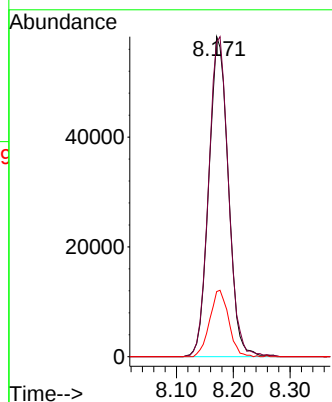
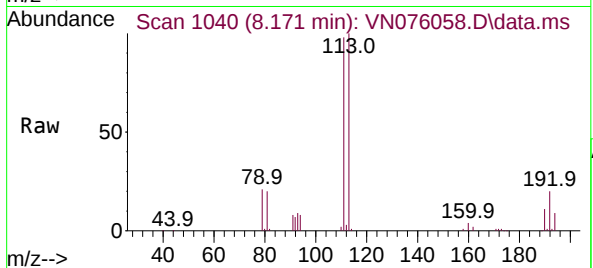
Tgt Ion:113 Resp: 138862

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

192 20.2 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

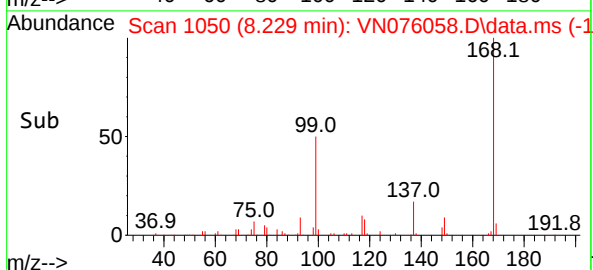
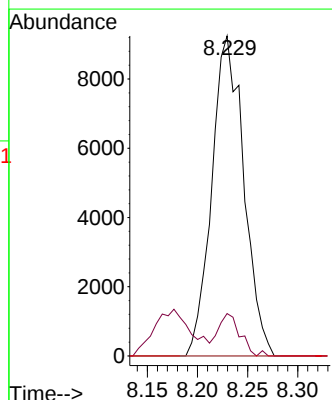
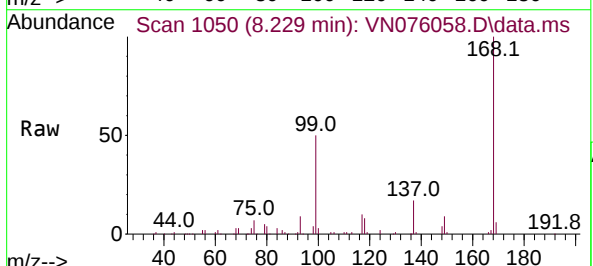
Tgt Ion: 75 Resp: 20511

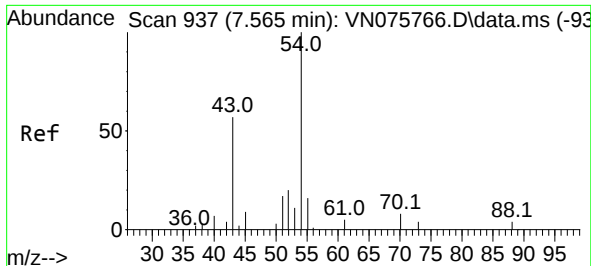
Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.4#

77 0.0 24.1 36.1#

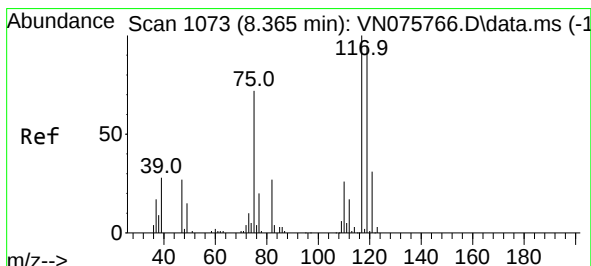
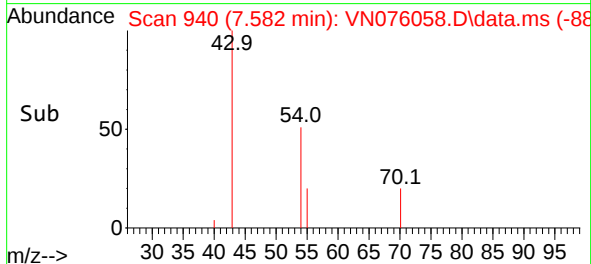
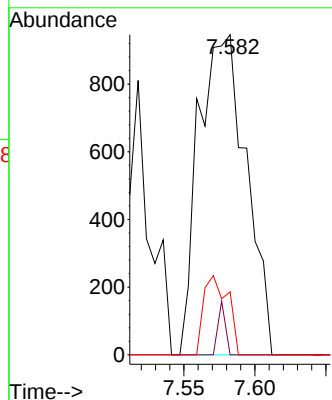
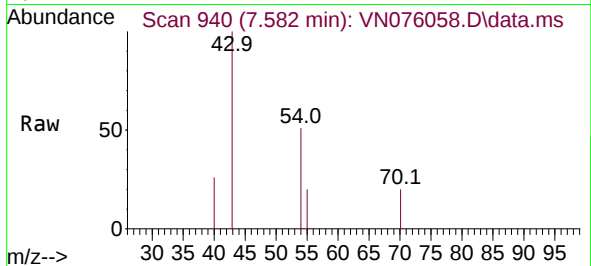




#37
Ethyl Acetate
Concen: 0.720 ug/l
RT: 7.582 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

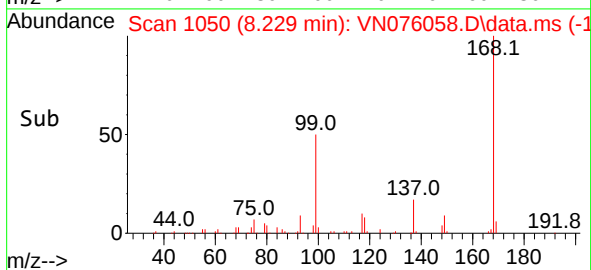
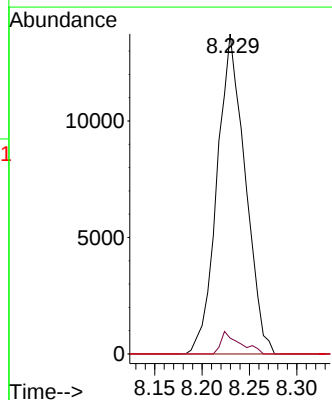
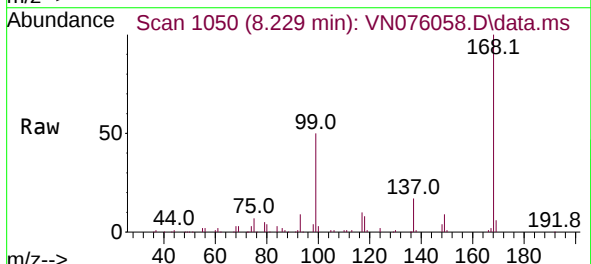
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

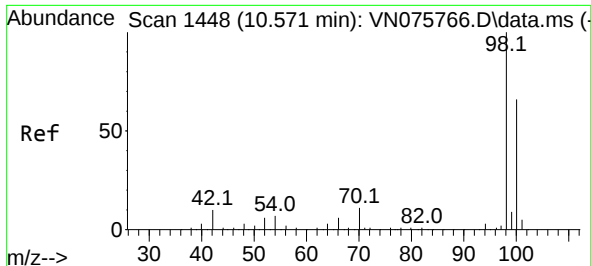
Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
61 2.5 13.0 19.4#
70 12.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.668 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 117 Resp: 28417
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.093 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076058.D

Acq: 03 Jan 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

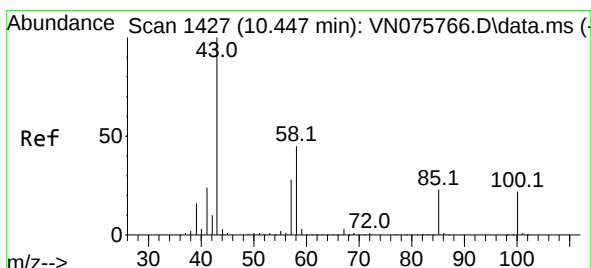
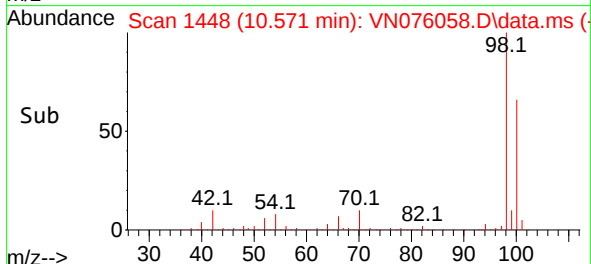
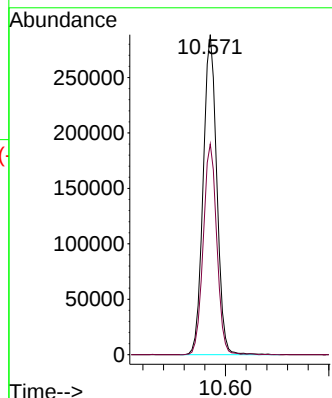
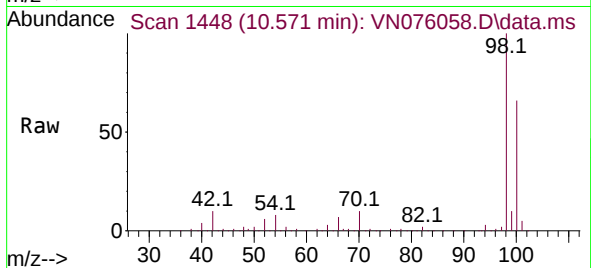
VN0103MBL01

Tgt Ion: 98 Resp: 526138

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 0.452 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN076058.D

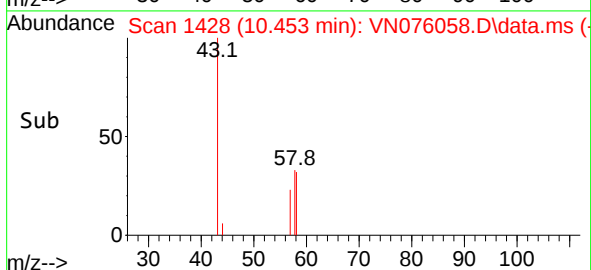
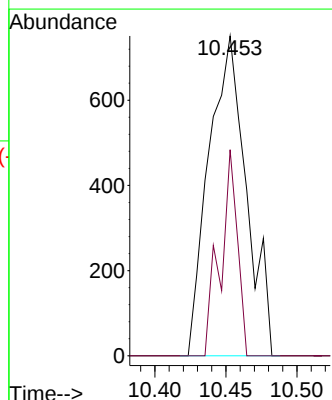
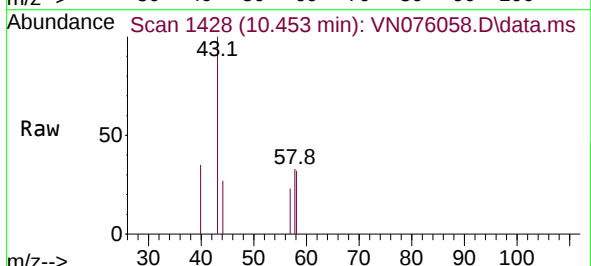
Acq: 03 Jan 2023 13:02

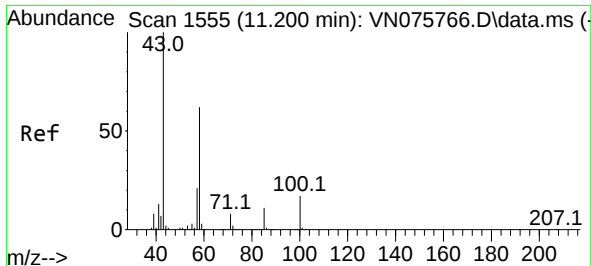
Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 29.3 35.5 53.3#

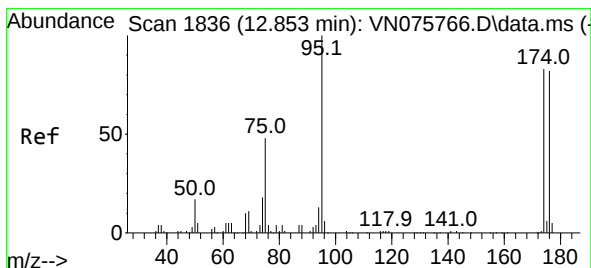
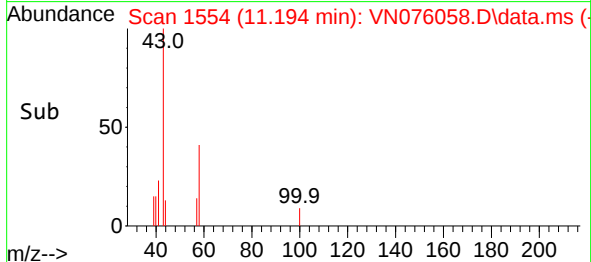
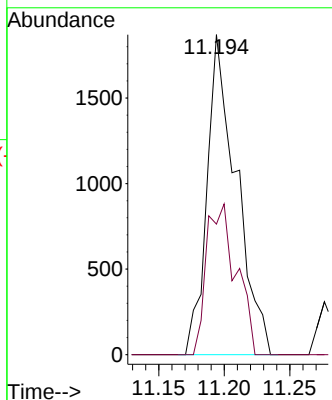
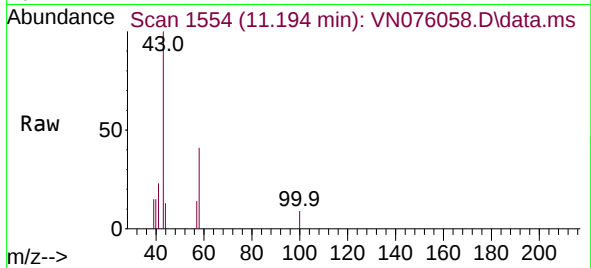




#59
2-Hexanone
Concen: 1.309 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

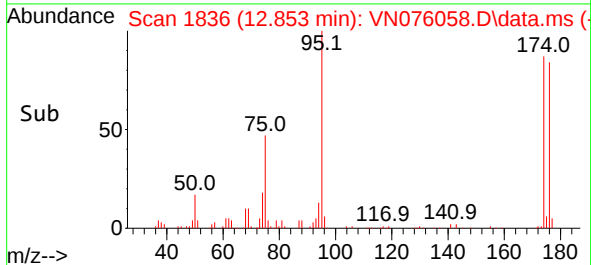
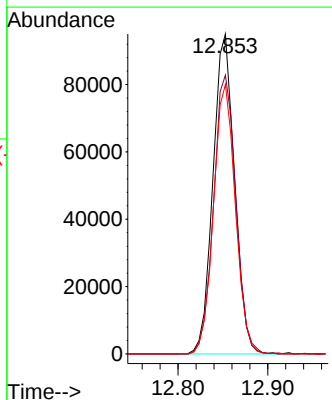
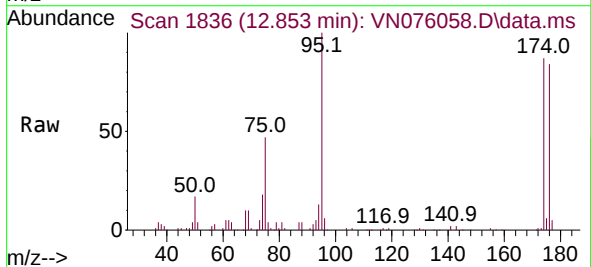
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

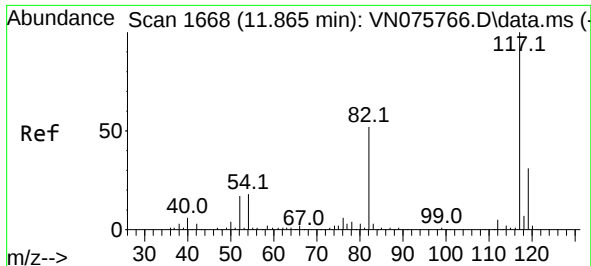
Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
58 47.7 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 44.813 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 95 Resp: 159070
Ion Ratio Lower Upper
95 100
174 89.5 0.0 171.6
176 85.1 0.0 169.2

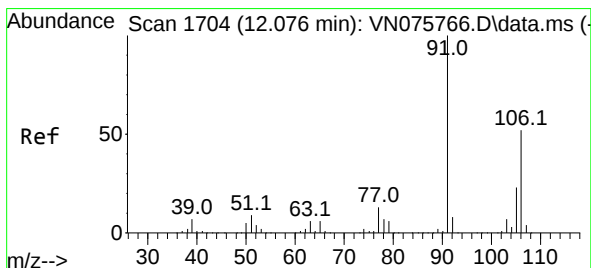
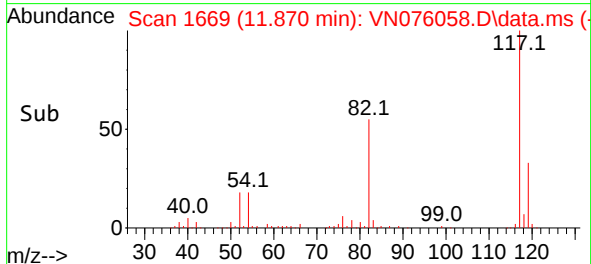
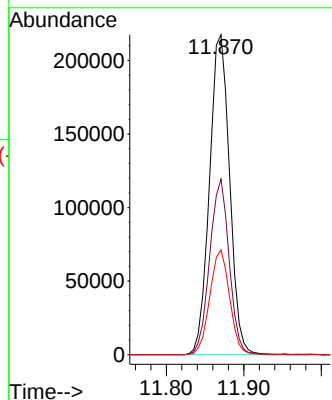
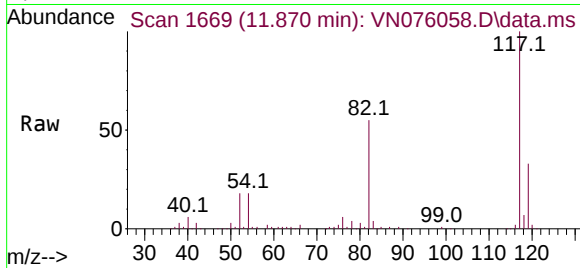




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

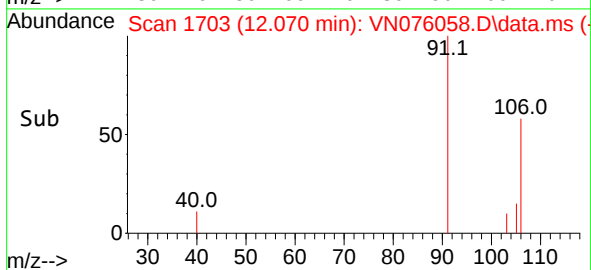
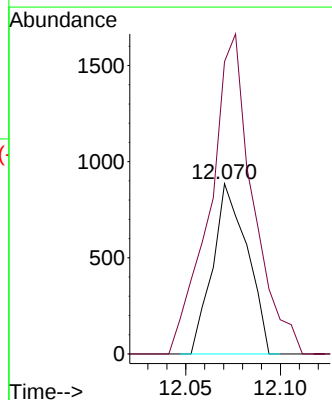
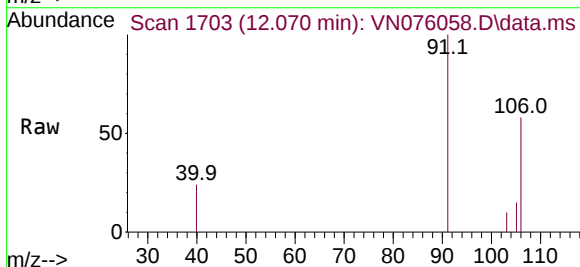
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

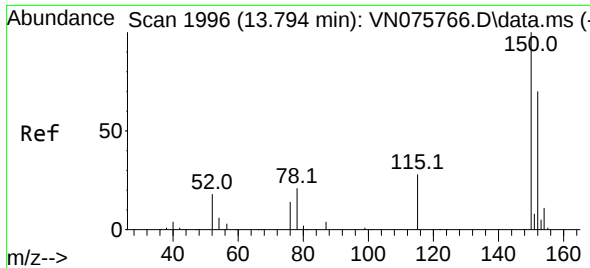
Tgt Ion:117 Resp: 392037
Ion Ratio Lower Upper
117 100
82 54.9 41.3 61.9
119 32.7 24.6 37.0



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion:106 Resp: 1124
Ion Ratio Lower Upper
106 100
91 233.5 156.6 235.0

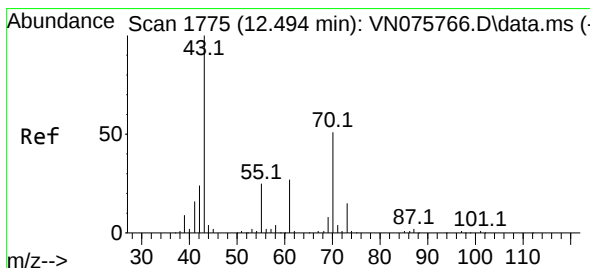
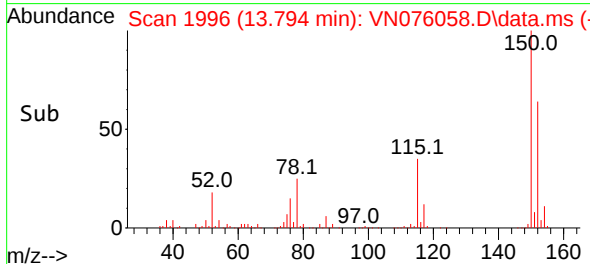
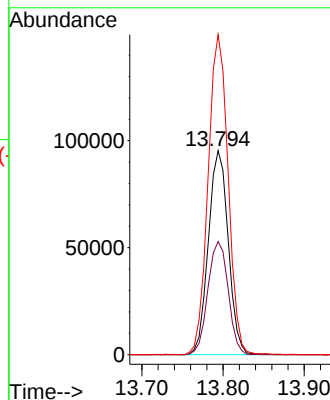
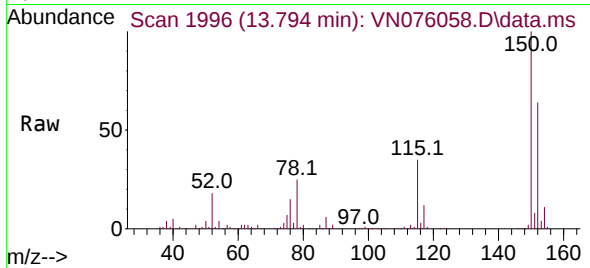




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

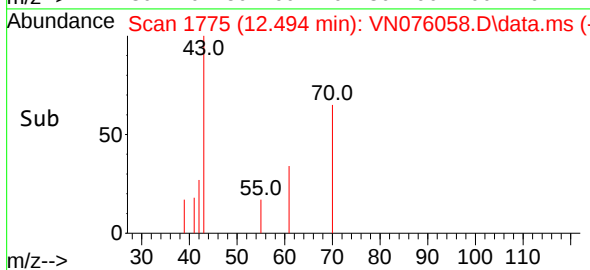
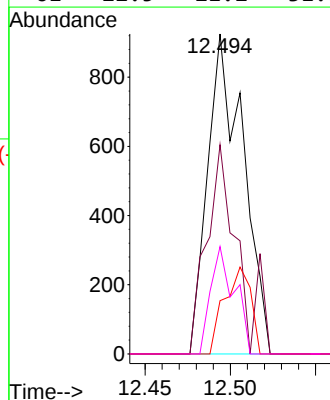
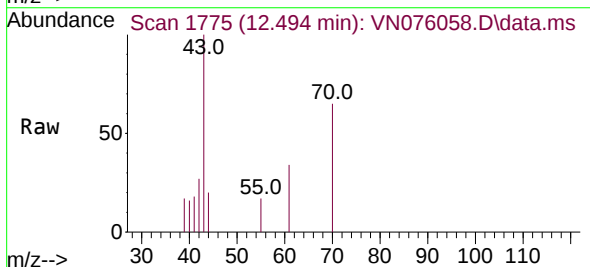
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

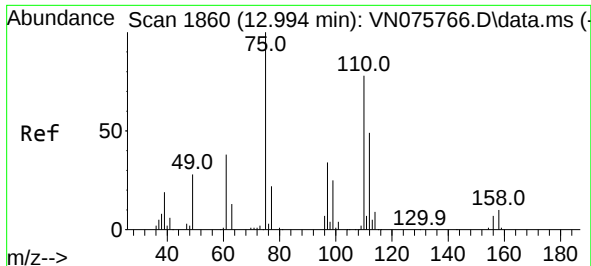
Tgt Ion:152 Resp: 162113
Ion Ratio Lower Upper
152 100
115 56.6 29.1 87.4
150 157.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.390 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
70 57.7 41.4 62.0
55 20.1 21.3 31.9#
61 22.5 21.2 31.8

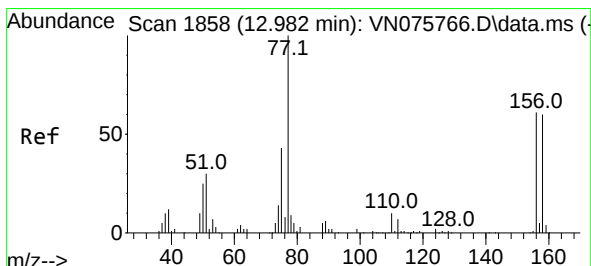
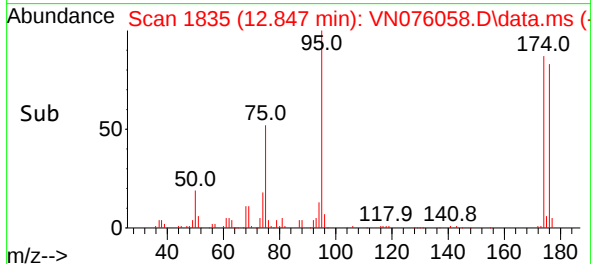
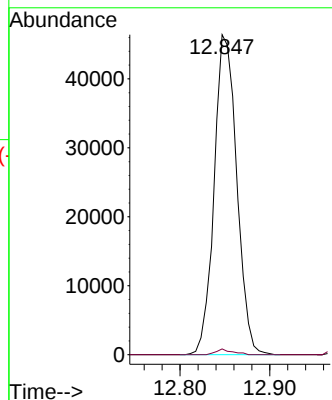
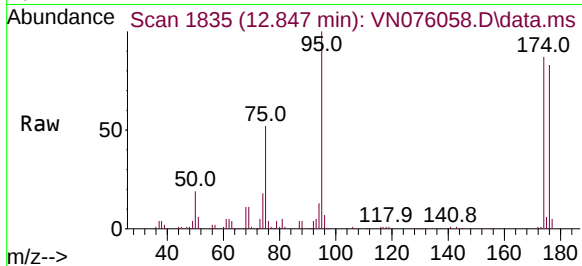




#76
1,2,3-Trichloropropane
Concen: 24.830 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

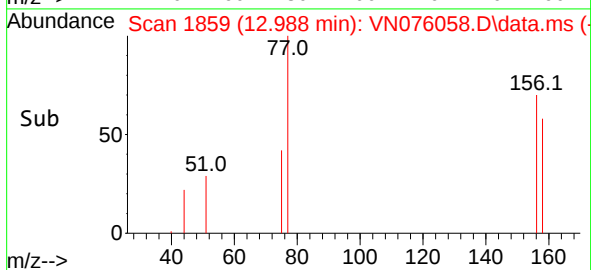
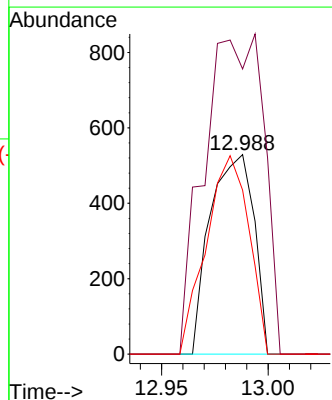
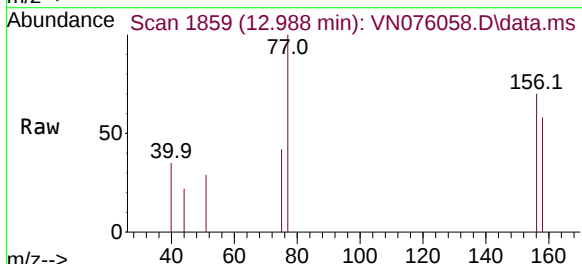
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

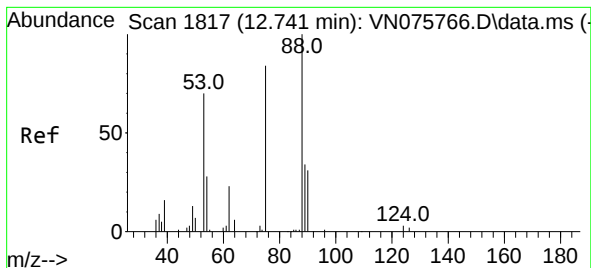
Tgt Ion: 75 Resp: 81138
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#77
Bromobenzene
Concen: 0.255 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion:156 Resp: 756
Ion Ratio Lower Upper
156 100
77 218.1 93.8 281.3
158 97.1 48.9 146.6

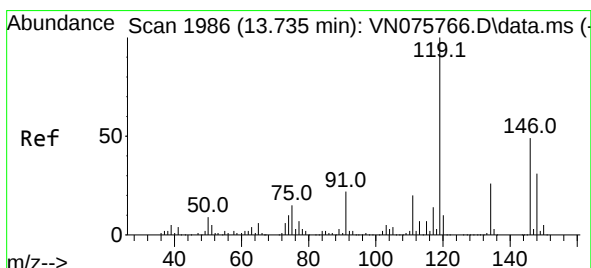
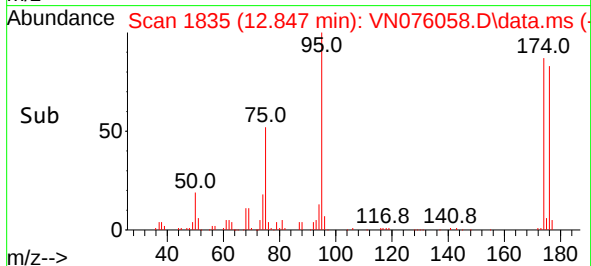
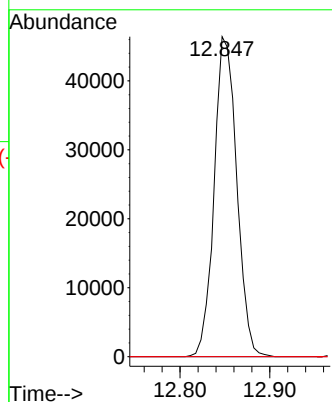
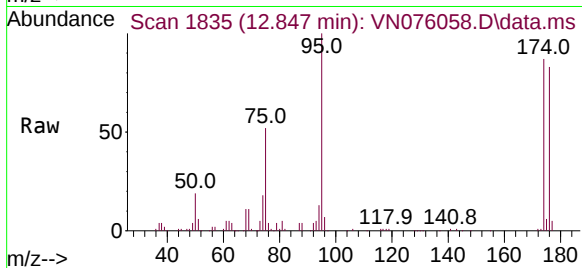




#81
trans-1,4-Dichloro-2-butene
Concen: 89.374 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

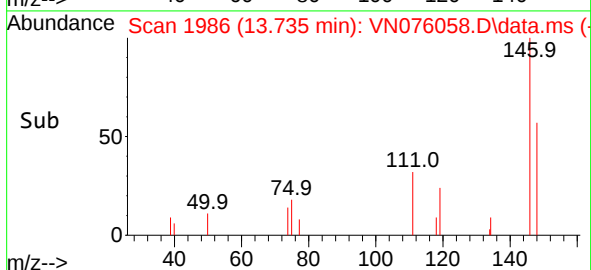
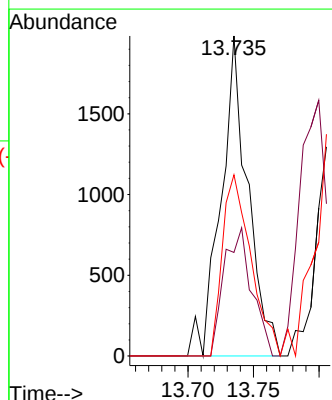
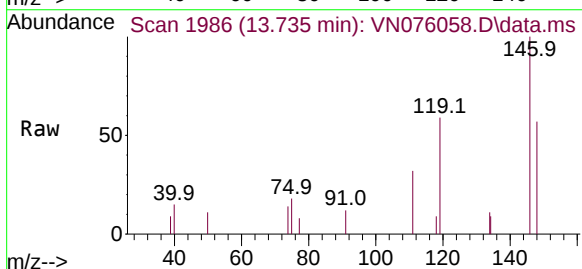
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

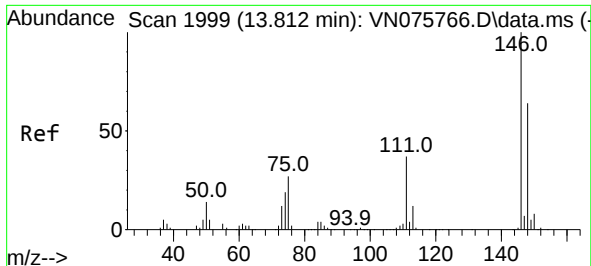
Tgt Ion: 75 Resp: 81138
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.518 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion:146 Resp: 2837
Ion Ratio Lower Upper
146 100
111 41.3 19.7 59.0
148 59.9 31.4 94.2

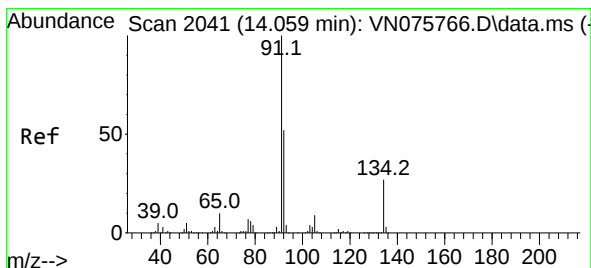
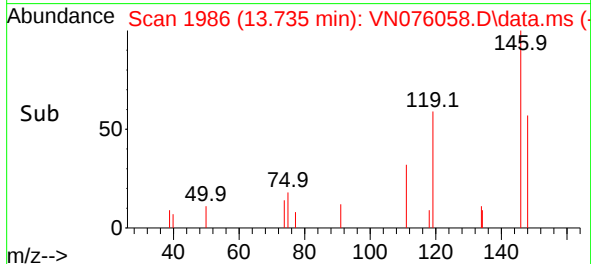
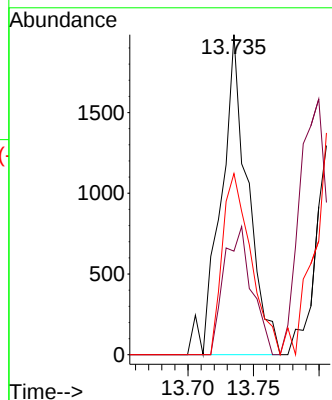
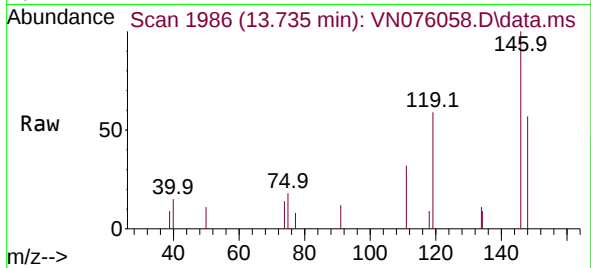




#88
1,4-Dichlorobenzene
Concen: 0.507 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

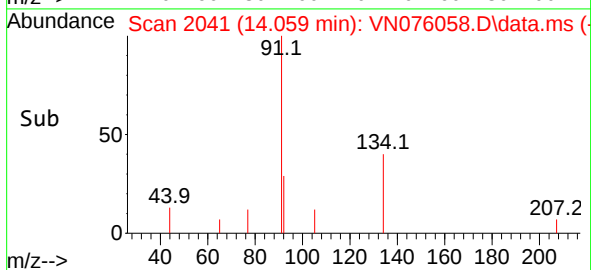
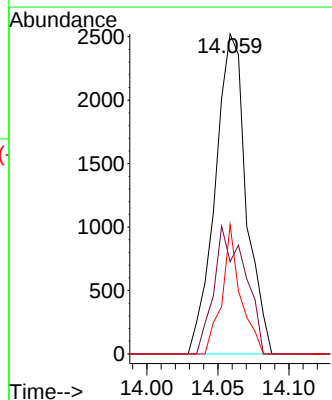
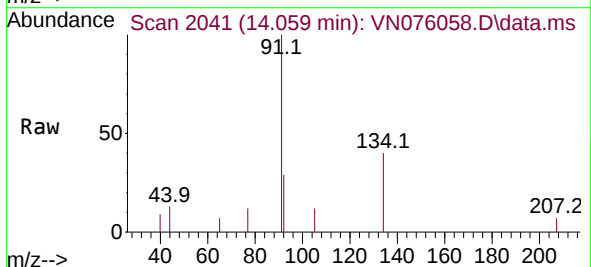
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

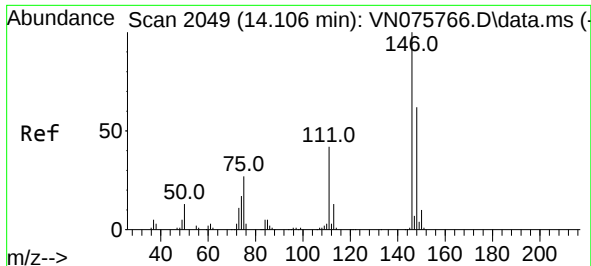
Tgt Ion:146 Resp: 2837
Ion Ratio Lower Upper
146 100
111 41.3 19.1 57.1
148 59.9 32.0 96.2



#89
n-Butylbenzene
Concen: 0.476 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 91 Resp: 3832
Ion Ratio Lower Upper
91 100
92 39.7 26.4 79.2
134 24.0 13.4 40.2

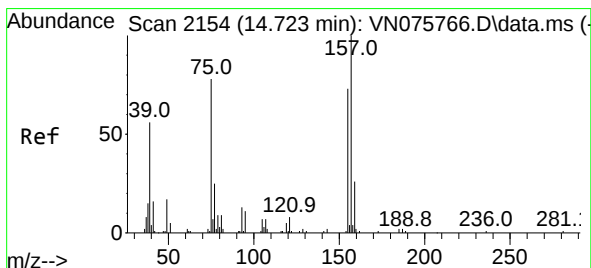
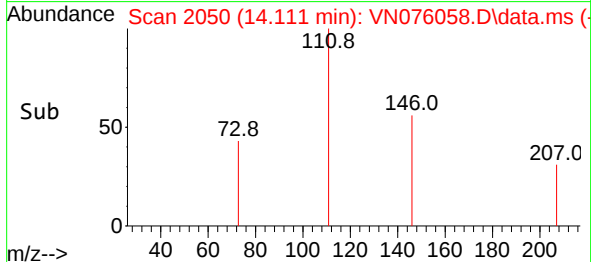
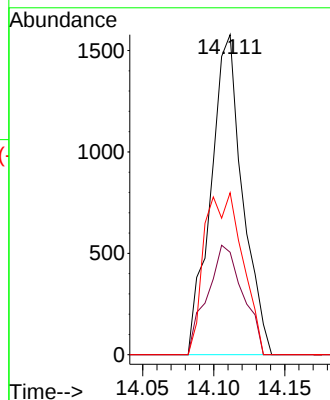
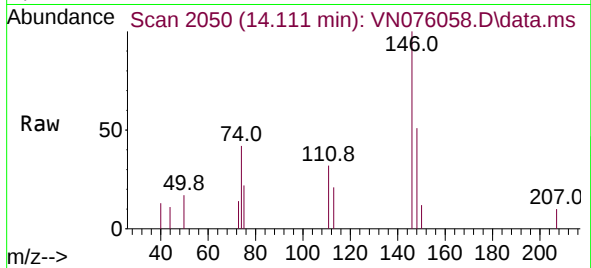




#91
1,2-Dichlorobenzene
Concen: 0.455 ug/l
RT: 14.111 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

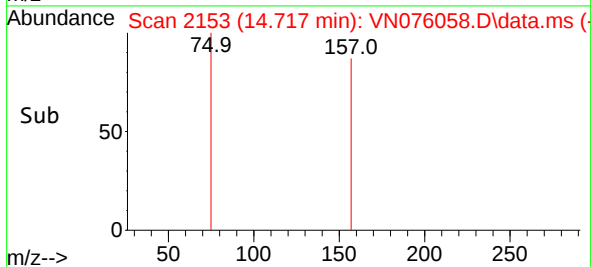
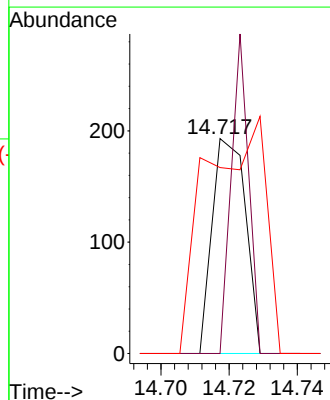
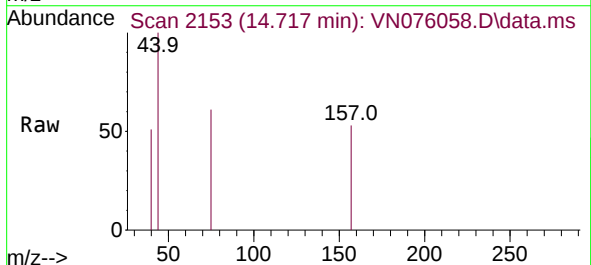
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

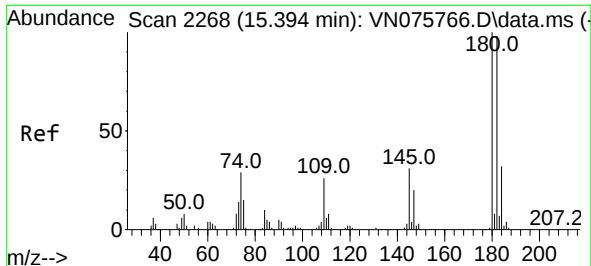
Tgt Ion:146 Resp: 2456
Ion Ratio Lower Upper
146 100
111 38.5 20.3 61.0
148 60.7 31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.204 ug/l
RT: 14.717 min Scan# 2153
Delta R.T. -0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
155 77.1 49.3 147.8
157 193.9 63.7 191.3#

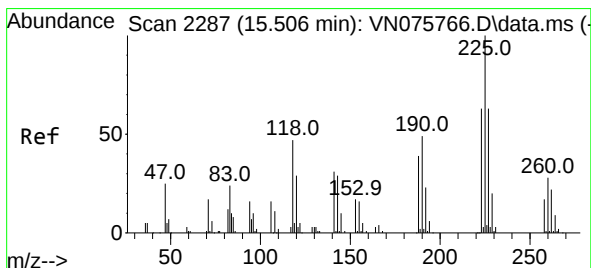
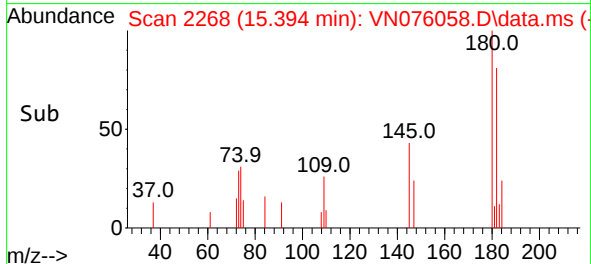
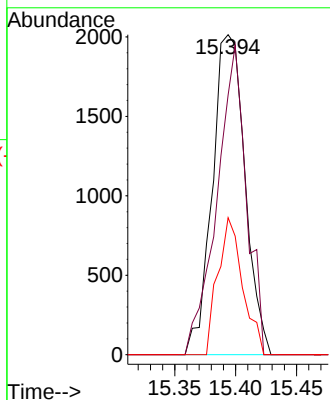
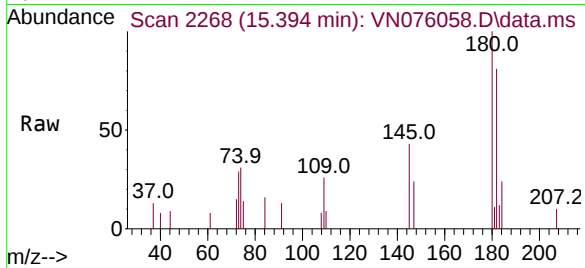




#93
1,2,4-Trichlorobenzene
Concen: 1.410 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

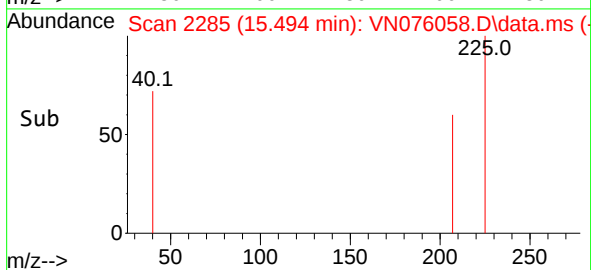
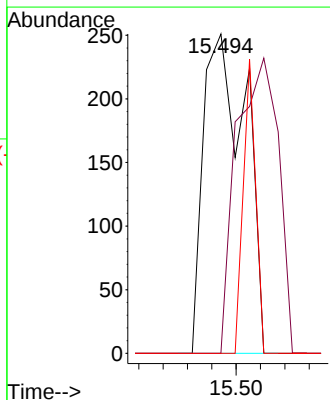
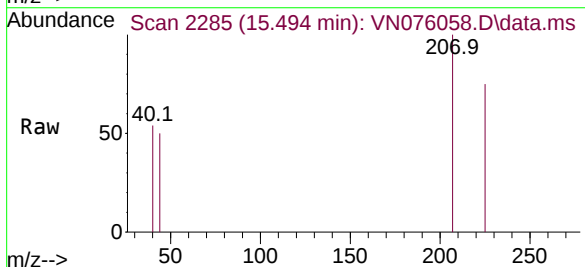
Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

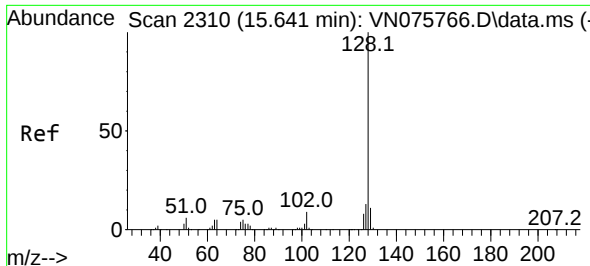
Tgt Ion:180 Resp: 3765
Ion Ratio Lower Upper
180 100
182 87.1 47.5 142.5
145 32.5 15.3 45.8



#94
Hexachlorobutadiene
Concen: 0.207 ug/l
RT: 15.494 min Scan# 2285
Delta R.T. -0.012 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion:225 Resp: 301
Ion Ratio Lower Upper
225 100
223 91.7 31.5 94.5
227 26.9 31.6 95.0#

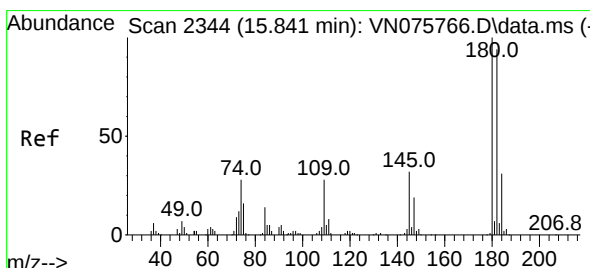
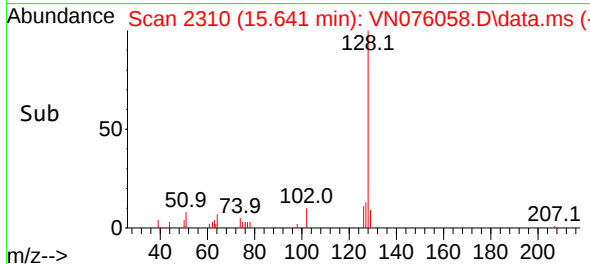
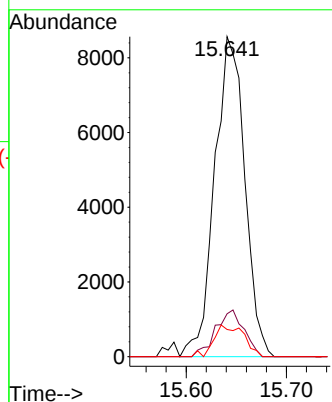
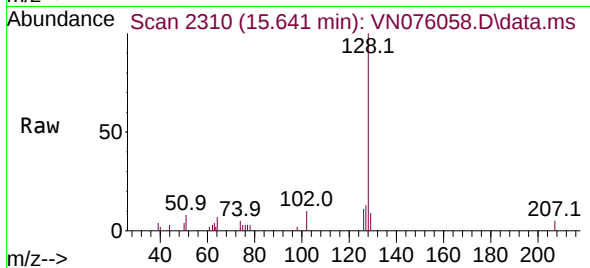




#95
Naphthalene
Concen: 4.116 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0103MBL01

Tgt Ion:	128	Resp:	17882
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	9.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.939 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN076058.D
Acq: 03 Jan 2023 13:02

Tgt Ion:	180	Resp:	4841
Ion	Ratio	Lower	Upper
180	100		
182	101.4	47.0	141.0
145	28.7	16.0	47.9

