

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
 Data File : VN075229.D
 Acq On : 10 Nov 2022 12:23
 Operator : JC\MD
 Sample : VN1110WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBL01

Quant Time: Nov 11 04:08:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

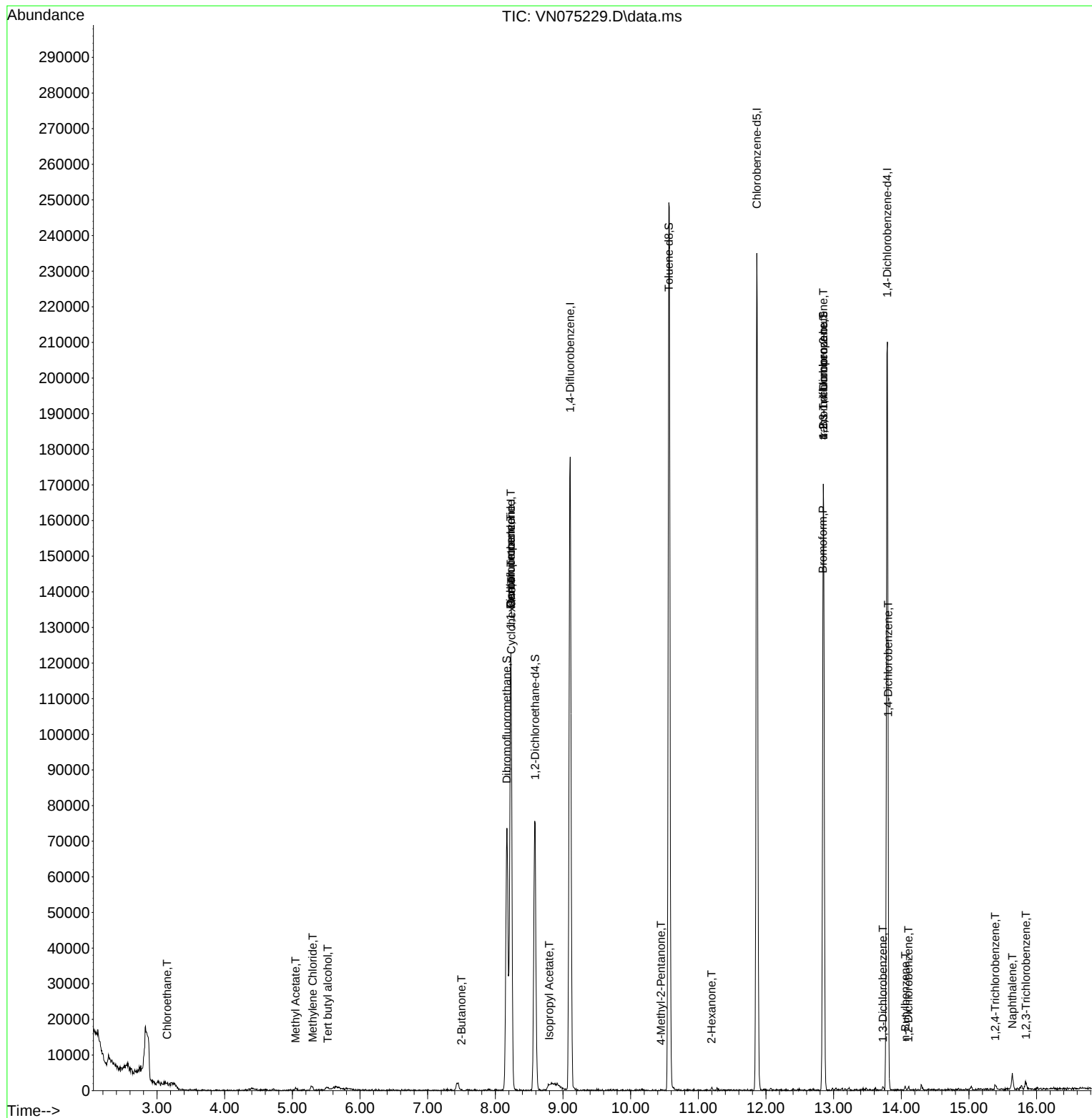
Internal Standards						
1) Pentafluorobenzene	8.230	168	88700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	161797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	137191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	61701	51.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.260%			
35) Dibromofluoromethane	8.171	113	53139	55.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.900%			
50) Toluene-d8	10.565	98	180953	49.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.847	95	59778	46.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.360%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.942	94	325	Below Cal	#	75
6) Chloroethane	3.148	64	362	0.289	ug/l #	45
11) Tert butyl alcohol	5.524	59	373	1.338	ug/l #	72
18) Methyl Acetate	5.047	43	944	0.571	ug/l #	47
20) Methylene Chloride	5.300	84	838	0.743	ug/l #	51
25) 2-Butanone	7.500	43	211	0.265	ug/l #	43
31) Cyclohexane	8.235	56	1802	1.014	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	7083	4.817	ug/l #	52
38) Carbon Tetrachloride	8.230	117	9630	5.953	ug/l #	17
43) Isopropyl Acetate	8.794	43	1538	0.615	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	341	0.211	ug/l #	34
59) 2-Hexanone	11.194	43	694	0.566	ug/l	71
71) Bromoform	12.841	173	644	0.792	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	31097	25.591	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	31097	65.691	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	541	0.273	ug/l #	76
88) 1,4-Dichlorobenzene	13.806	146	917	0.468	ug/l #	39
89) n-Butylbenzene	14.059	91	771	0.242	ug/l #	81
91) 1,2-Dichlorobenzene	14.106	146	547	0.278	ug/l	79
93) 1,2,4-Trichlorobenzene	15.388	180	764	0.902	ug/l	89
95) Naphthalene	15.641	128	5248	1.610	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	1129	1.341	ug/l #	89

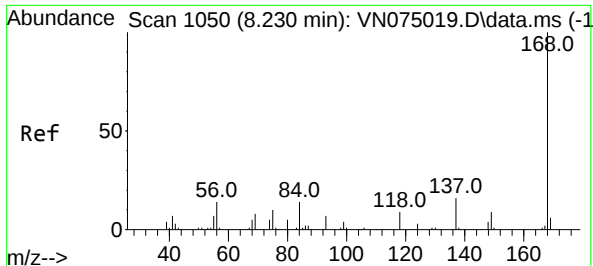
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
Data File : VN075229.D
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration

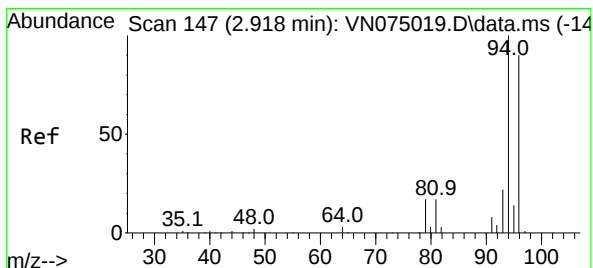
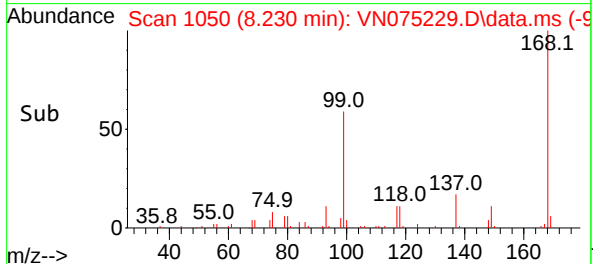
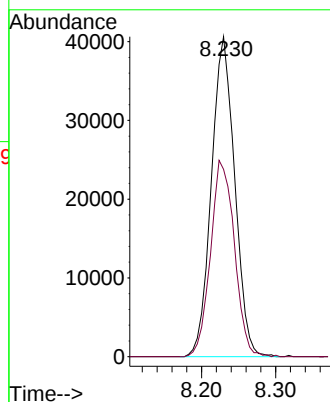
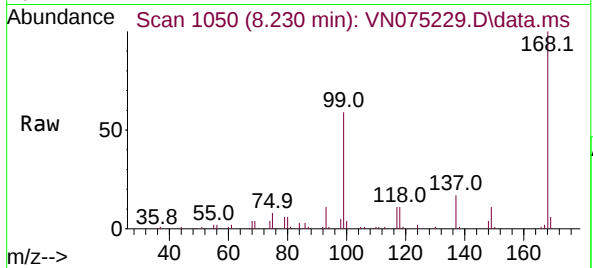




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

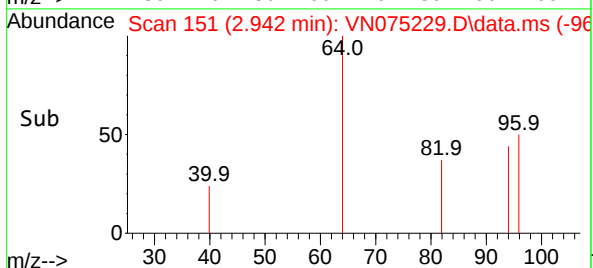
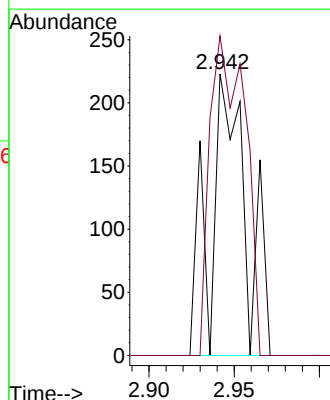
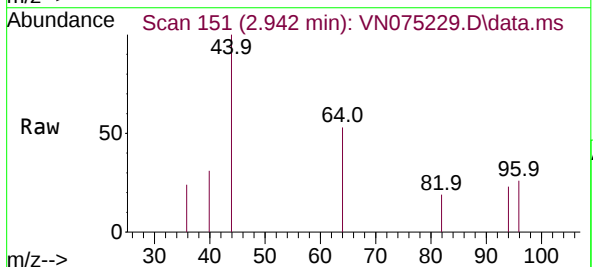
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

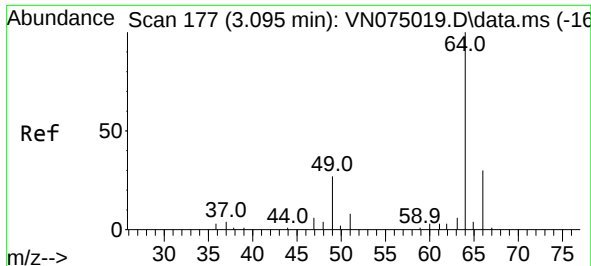
Tgt Ion:168 Resp: 88700
Ion Ratio Lower Upper
168 100
99 58.5 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 113.5 71.8 107.6#

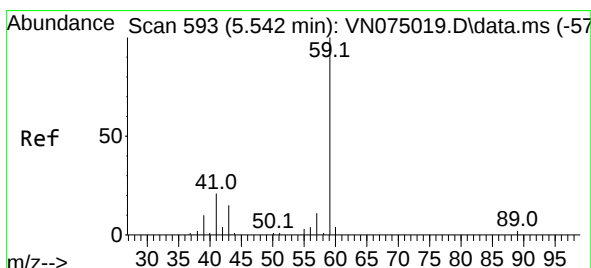
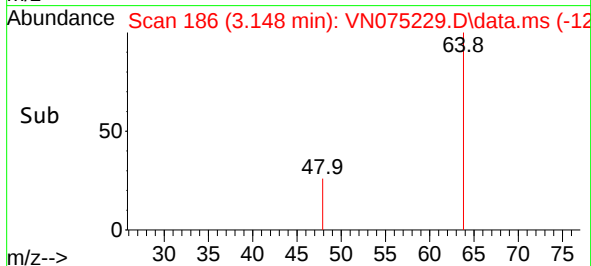
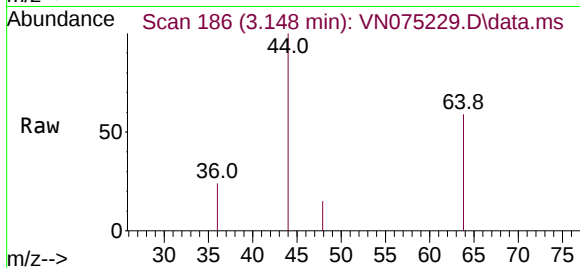




#6
Chloroethane
Concen: 0.289 ug/l
RT: 3.148 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

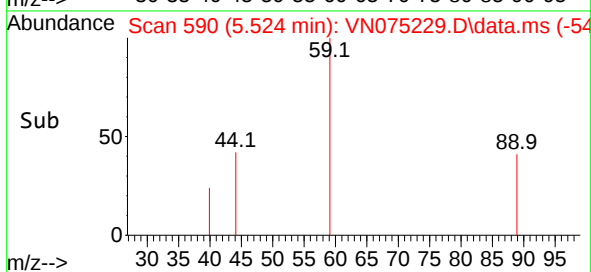
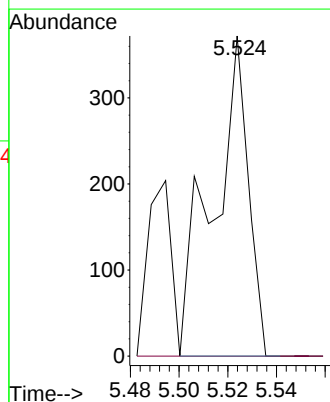
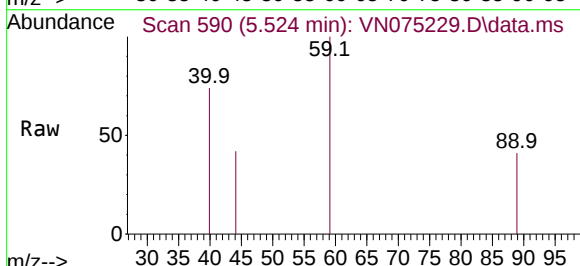
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

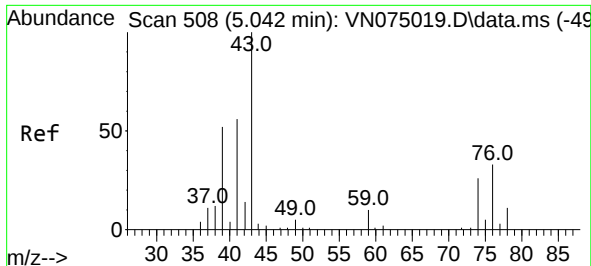
Tgt Ion: 64 Resp: 362
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.338 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.018 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

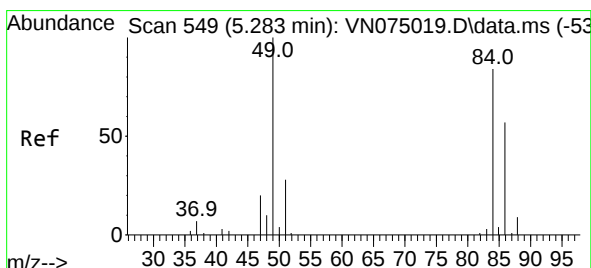
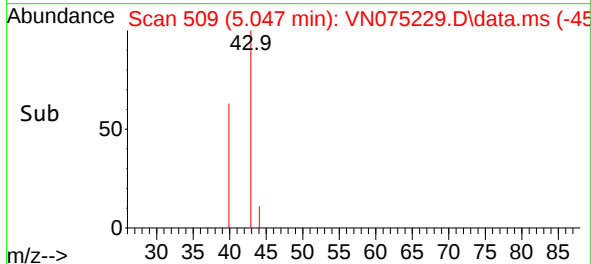
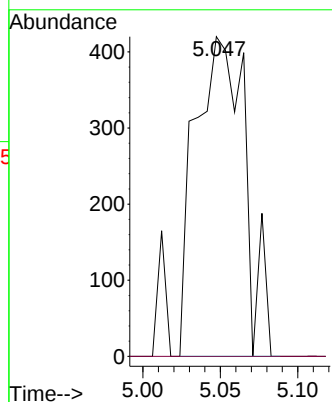
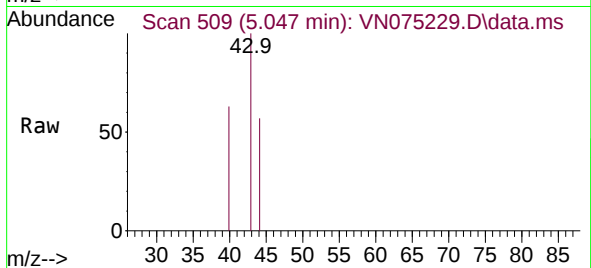




#18
Methyl Acetate
Concen: 0.571 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

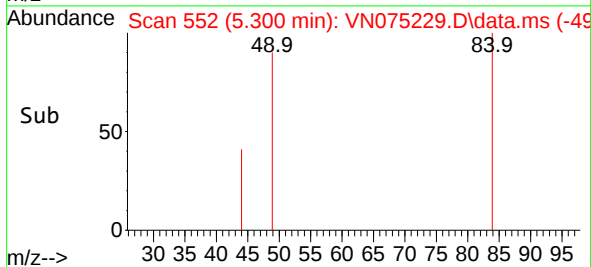
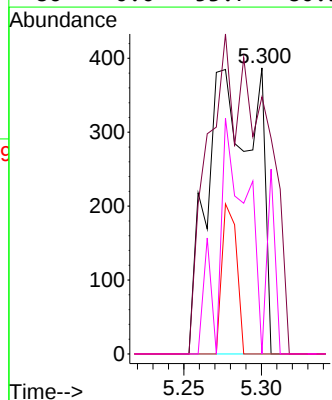
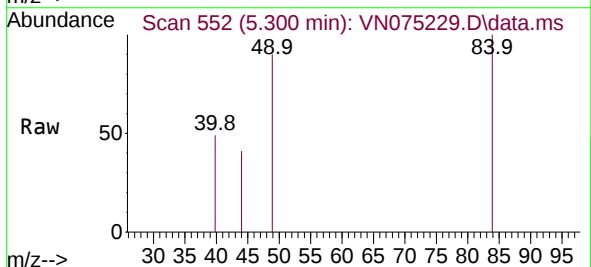
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

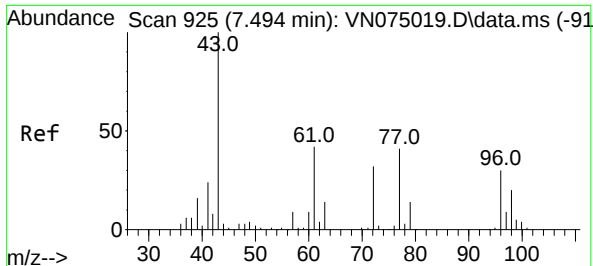
Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 0.743 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.017 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
49 89.9 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#

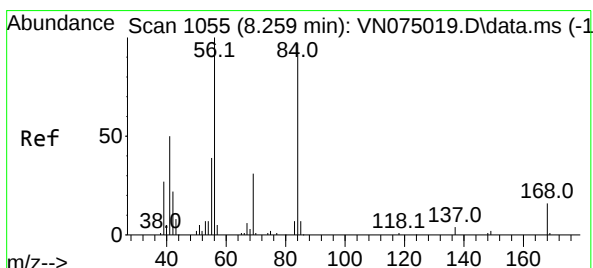
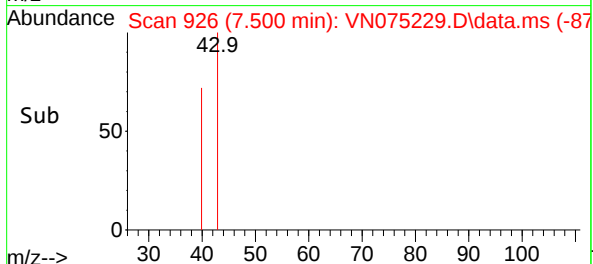
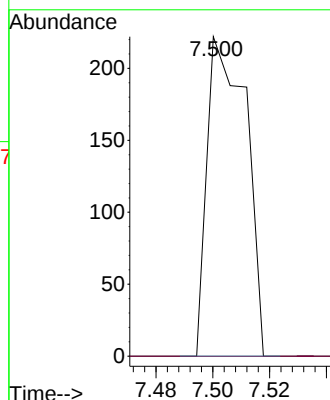
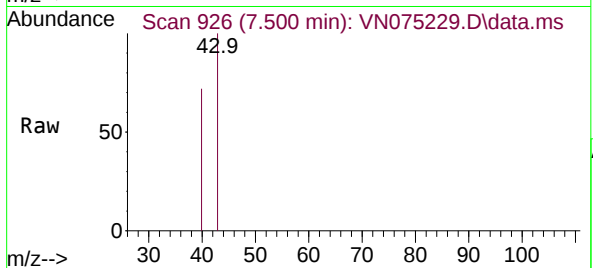




#25
2-Butanone
Concen: 0.265 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

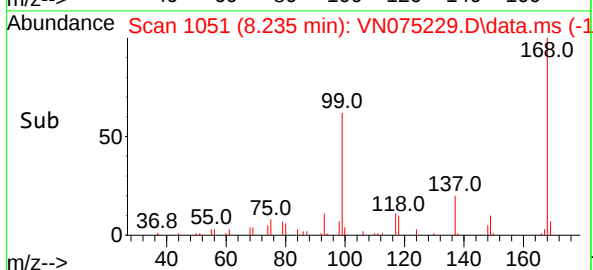
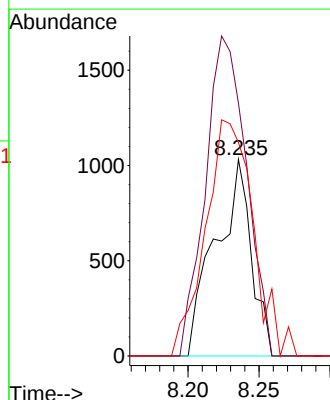
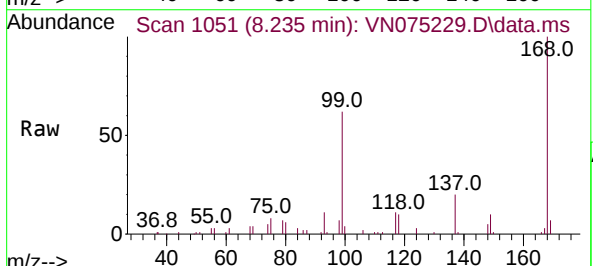
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

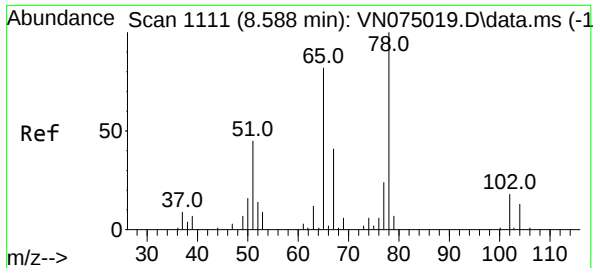
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 56 Resp: 1802
Ion Ratio Lower Upper
56 100
69 128.7 25.2 37.8#
84 108.6 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 51.627 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

Instrument :

MSVOA_N

ClientSampleId :

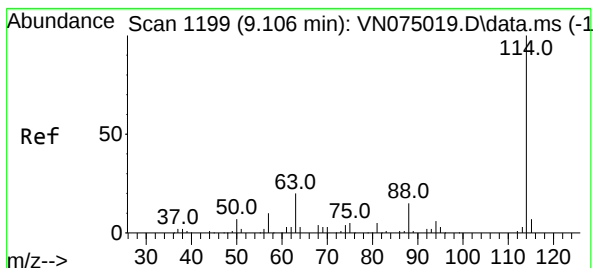
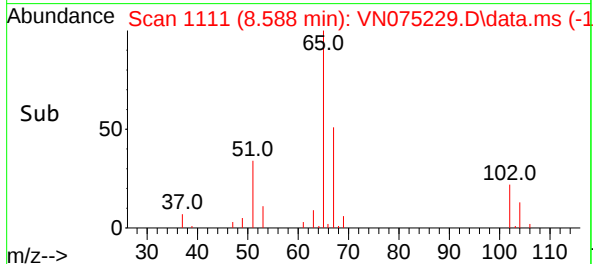
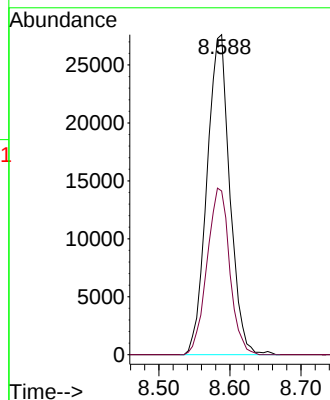
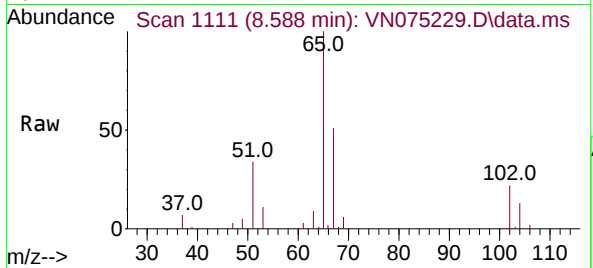
VN1110WBL01

Tgt Ion: 65 Resp: 61701

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

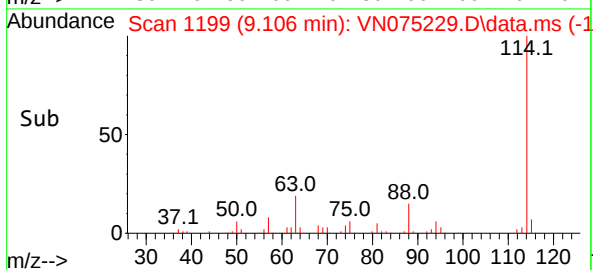
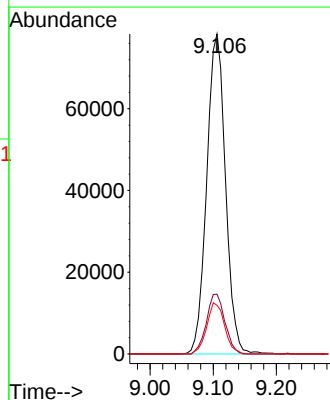
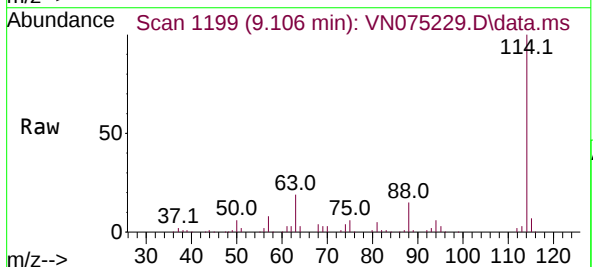
Tgt Ion: 114 Resp: 161797

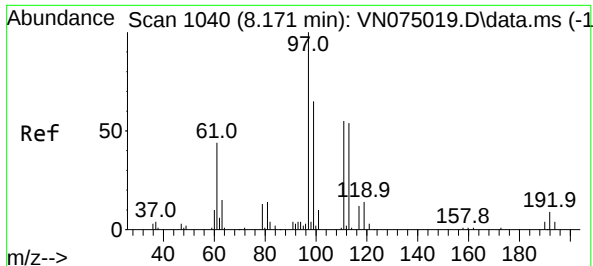
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.946 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL01

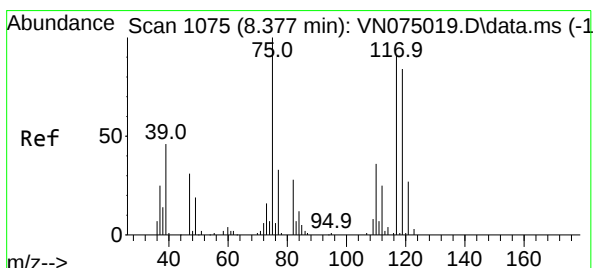
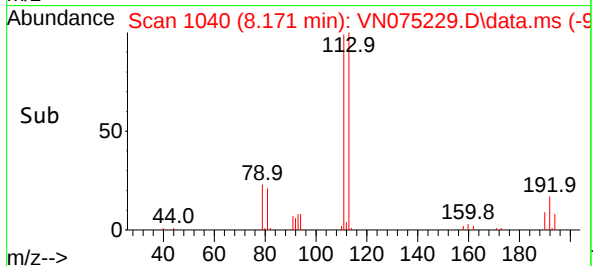
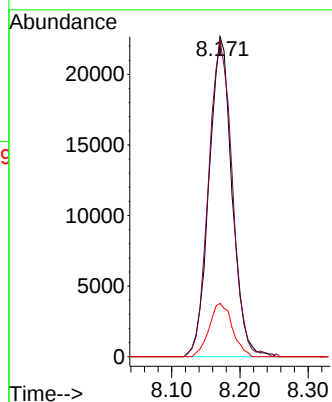
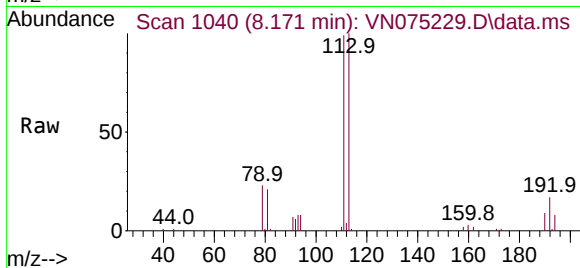
Tgt Ion:113 Resp: 53139

Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

192 16.9 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

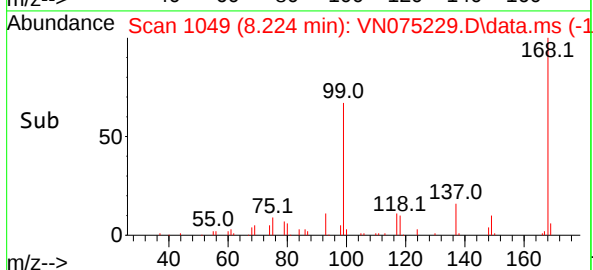
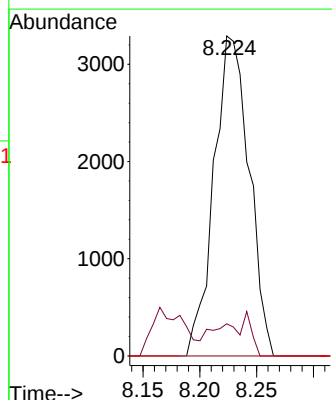
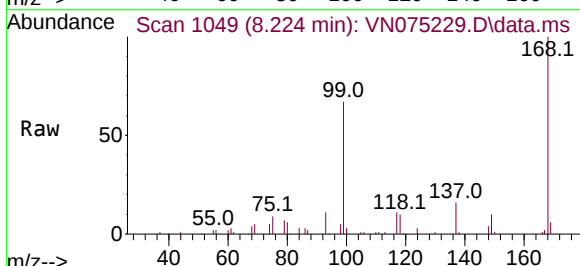
Tgt Ion: 75 Resp: 7083

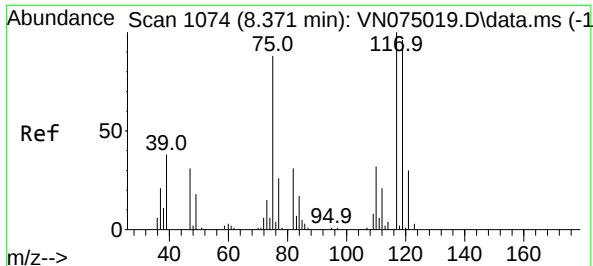
Ion Ratio Lower Upper

75 100

110 11.5 17.8 53.3#

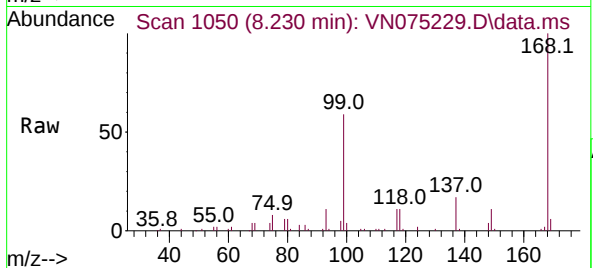
77 0.0 24.6 37.0#



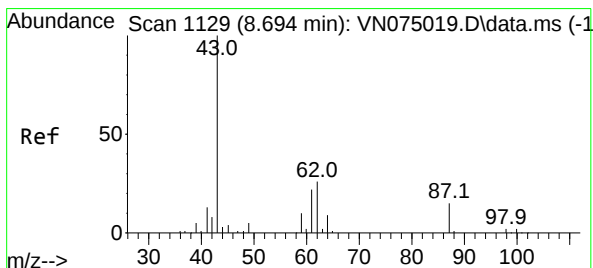
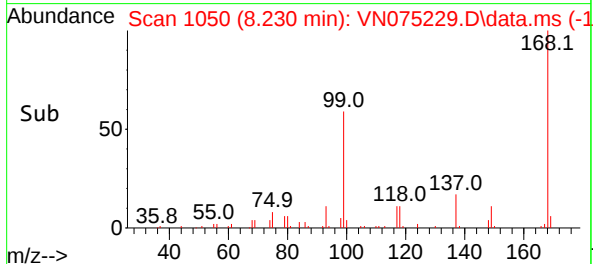
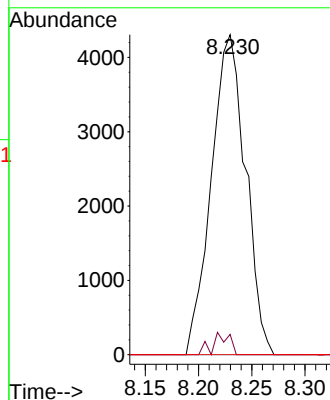


#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 8.230 min Scan# 1146
Delta R.T. -0.141 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

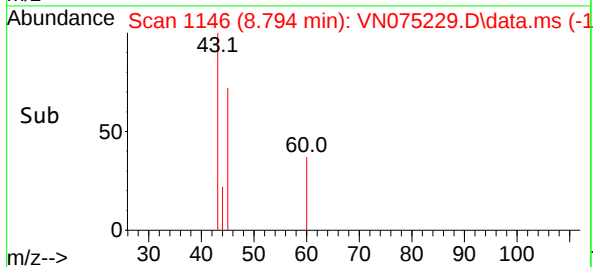
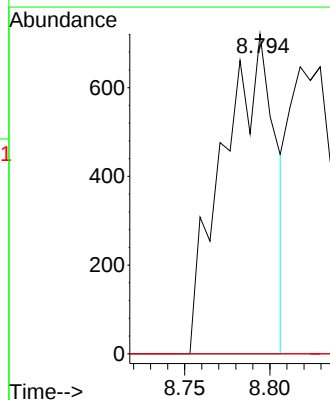
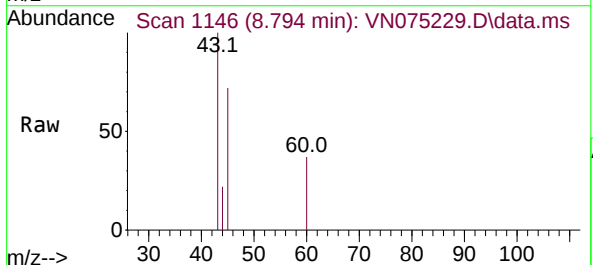


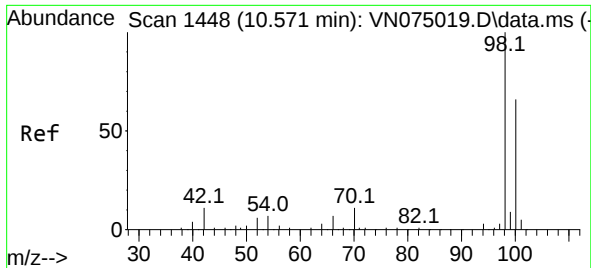
Tgt Ion:117 Resp: 9630
Ion Ratio Lower Upper
117 100
119 6.4 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.615 ug/l
RT: 8.794 min Scan# 1146
Delta R.T. 0.100 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

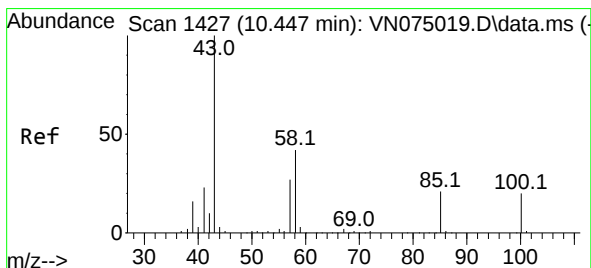
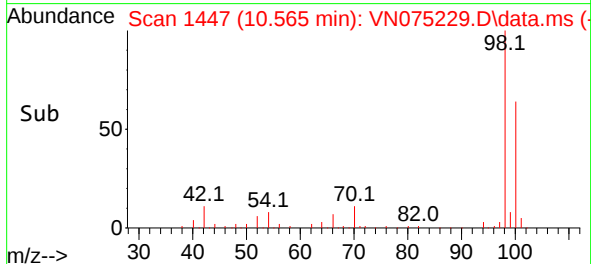
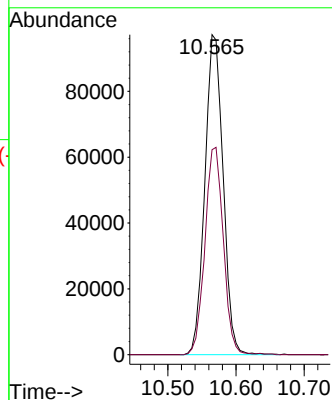
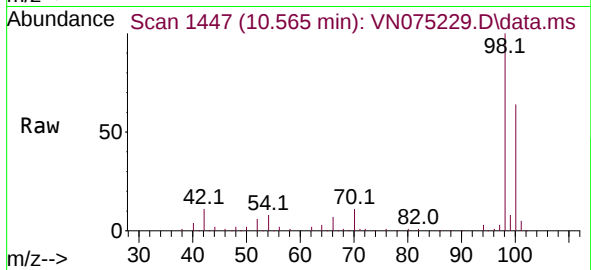




#50
Toluene-d8
Concen: 49.104 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

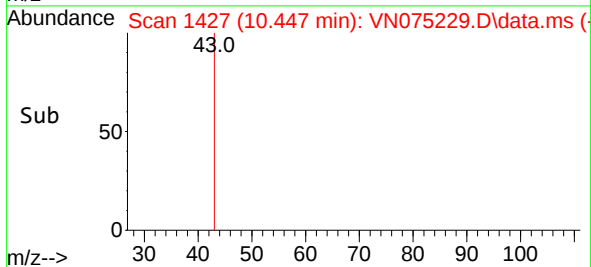
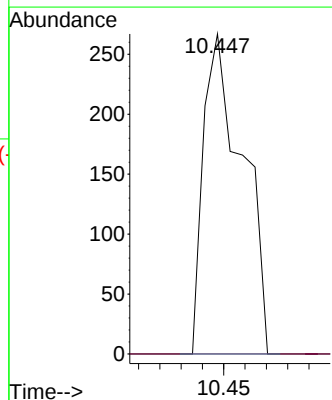
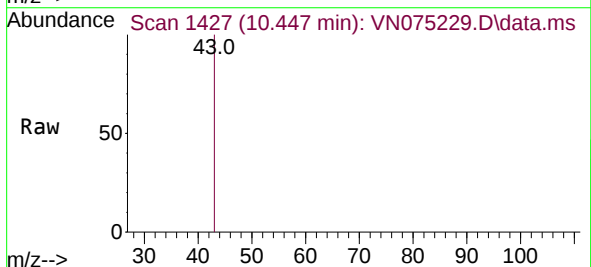
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

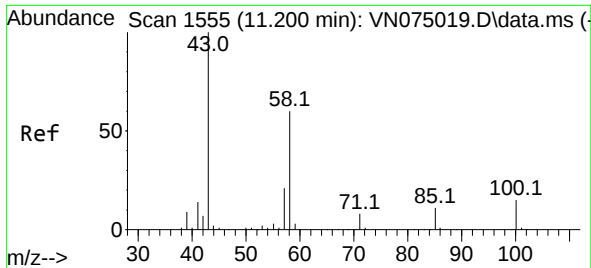
Tgt Ion: 98 Resp: 180953
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

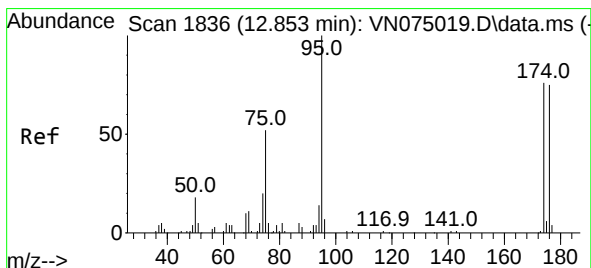
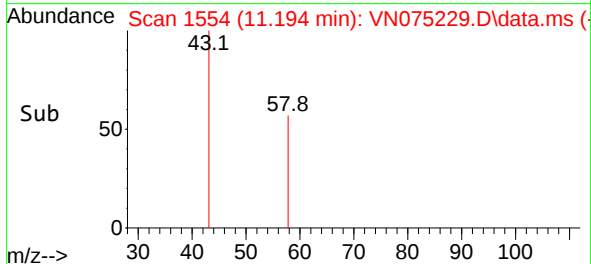
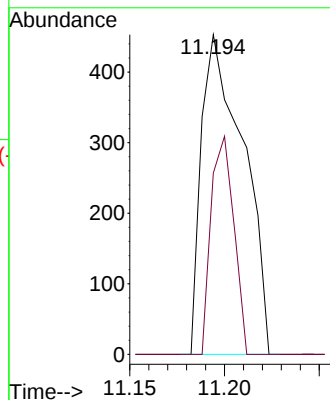
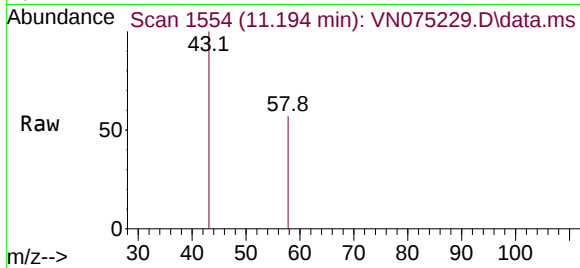




#59
2-Hexanone
Concen: 0.566 ug/l
RT: 11.194 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

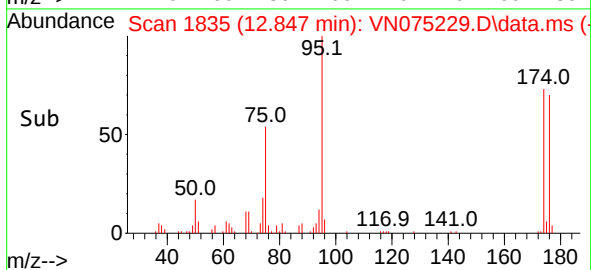
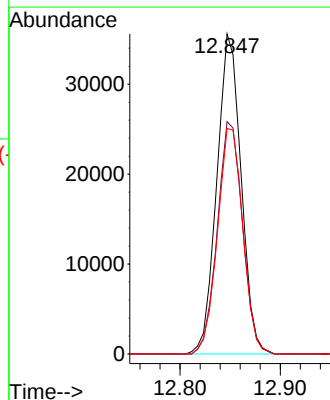
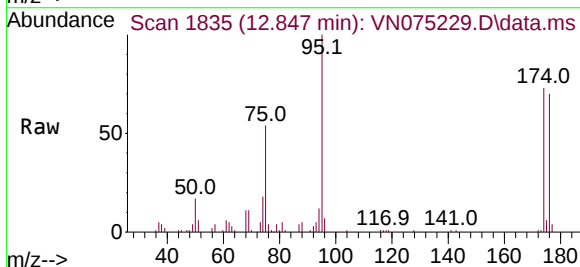
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

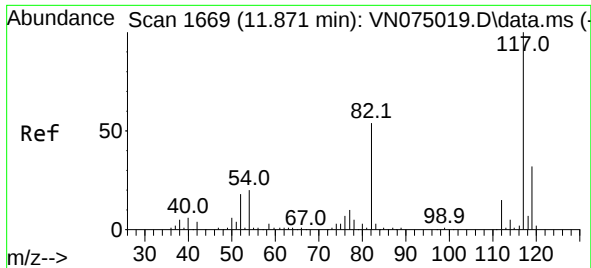
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 37.2 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 95 Resp: 59778
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.4
176 73.6 0.0 142.2

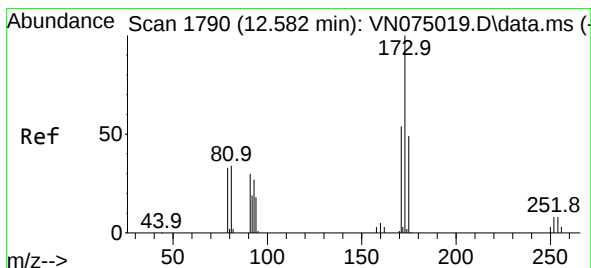
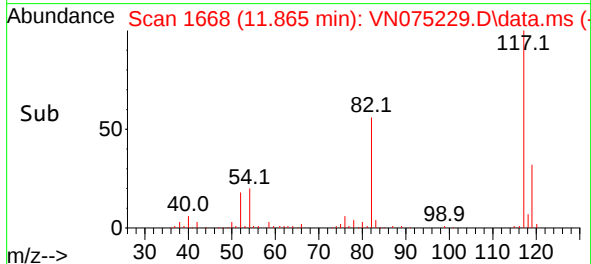
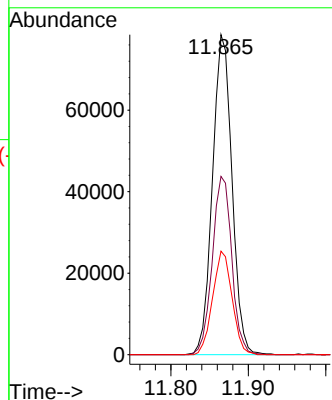
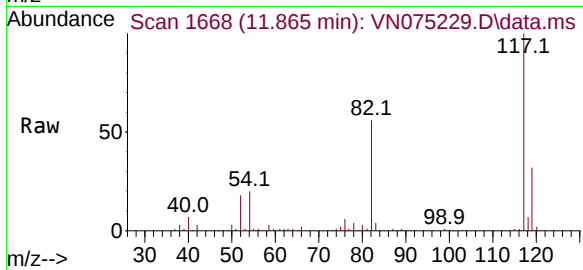




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

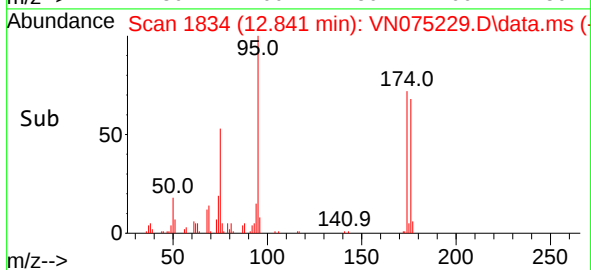
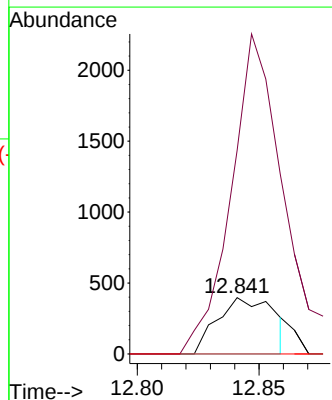
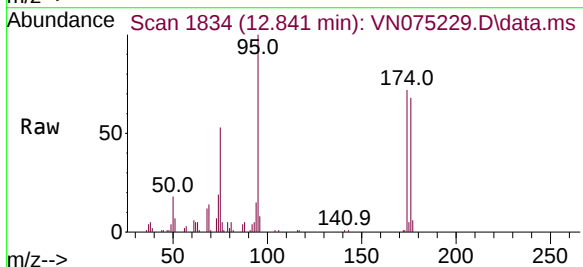
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

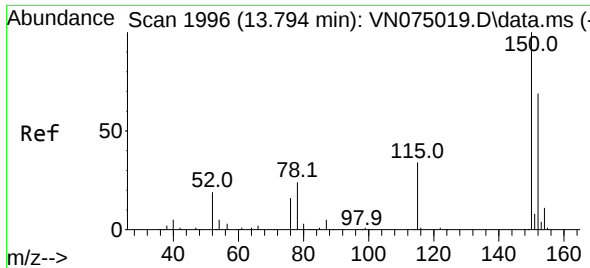
Tgt Ion:117 Resp: 137191
Ion Ratio Lower Upper
117 100
82 55.7 43.1 64.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.792 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion:173 Resp: 644
Ion Ratio Lower Upper
173 100
175 444.9 24.6 74.0#
254 0.0 0.0 0.0

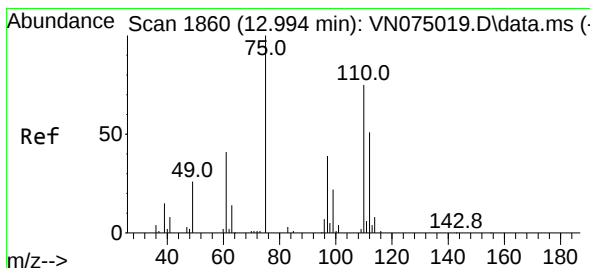
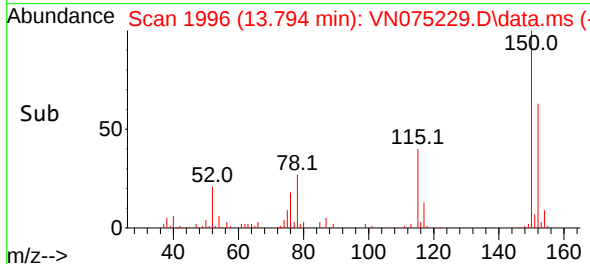
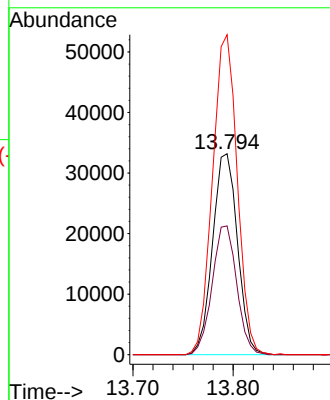
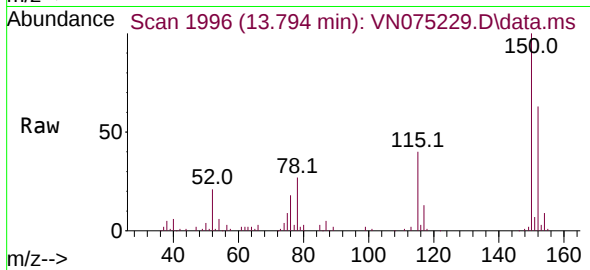




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

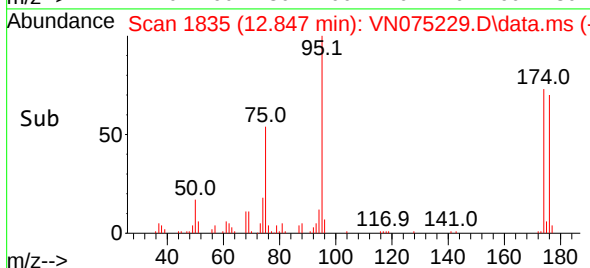
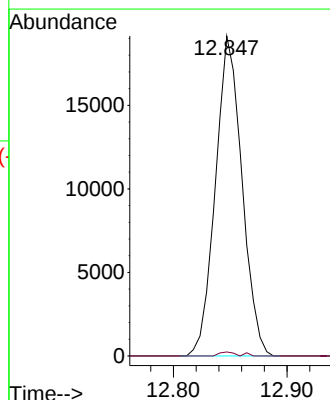
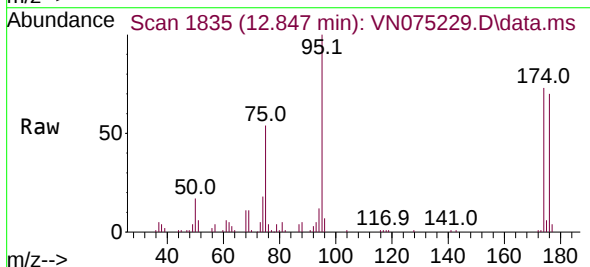
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

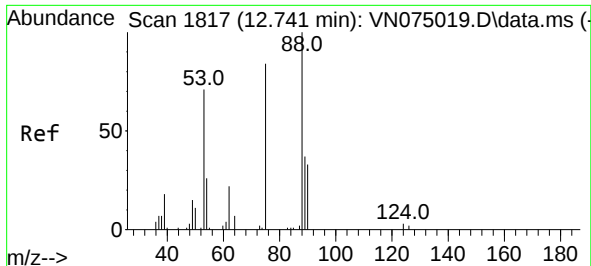
Tgt Ion:152 Resp: 57231
Ion Ratio Lower Upper
152 100
115 63.3 30.2 90.6
150 157.7 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 25.591 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 75 Resp: 31097
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#

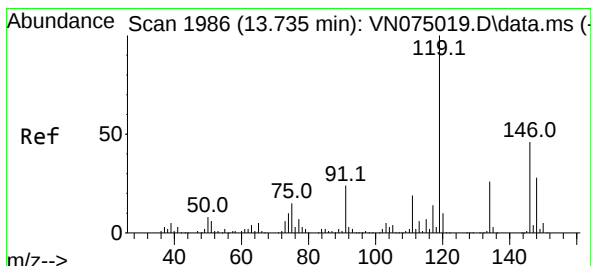
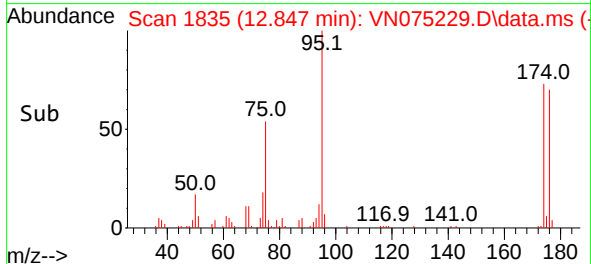
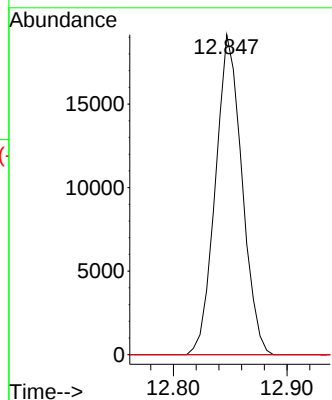
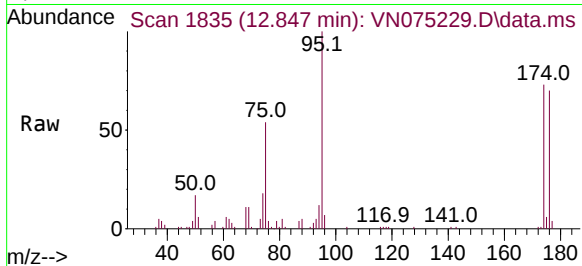




#81
trans-1,4-Dichloro-2-butene
Concen: 65.691 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

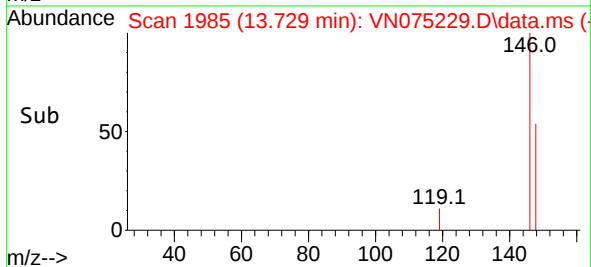
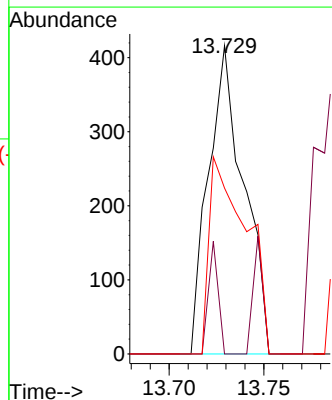
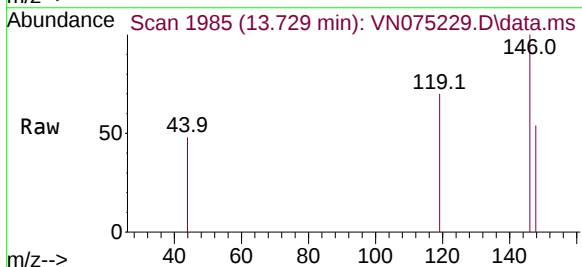
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

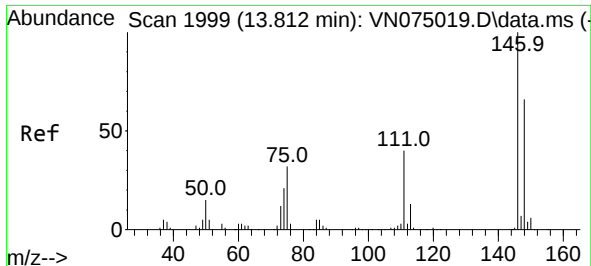
Tgt Ion: 75 Resp: 31097
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.273 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 146 Resp: 541
Ion Ratio Lower Upper
146 100
111 10.0 20.8 62.5#
148 66.7 31.1 93.5

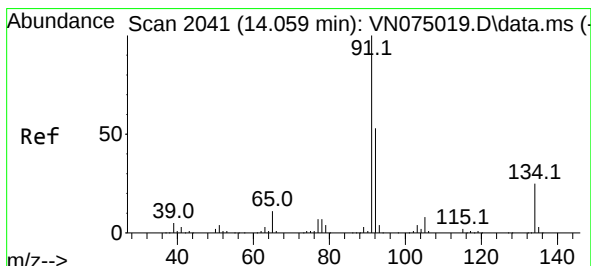
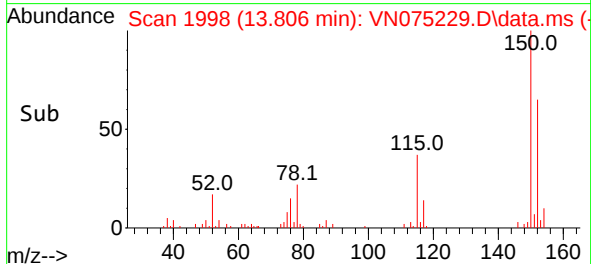
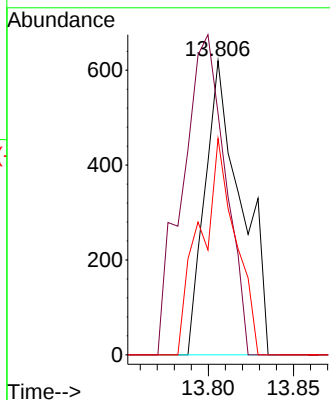
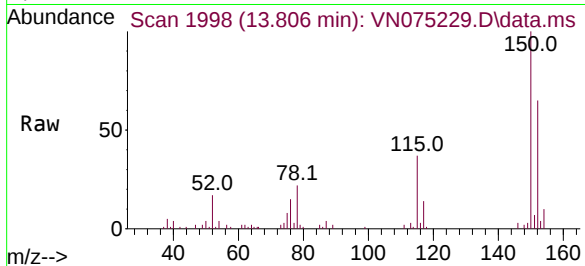




#88
1,4-Dichlorobenzene
Concen: 0.468 ug/l
RT: 13.806 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

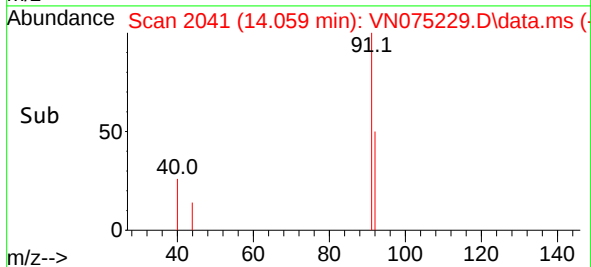
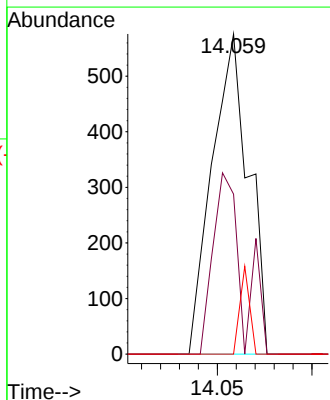
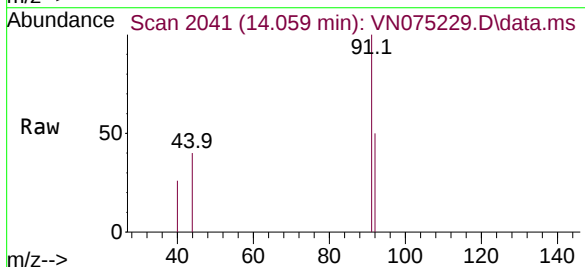
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

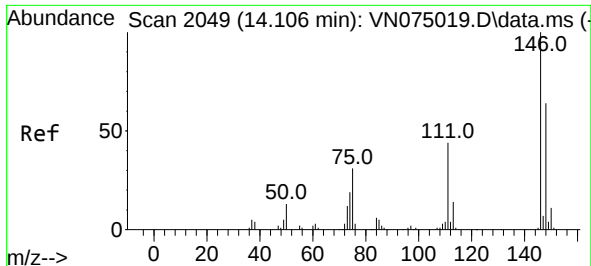
Tgt Ion:146 Resp: 917
Ion Ratio Lower Upper
146 100
111 128.6 20.1 60.3#
148 71.3 31.9 95.7



#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion: 91 Resp: 771
Ion Ratio Lower Upper
91 100
92 45.4 26.5 79.4
134 7.3 13.0 39.0#





#91

1,2-Dichlorobenzene

Concen: 0.278 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL01

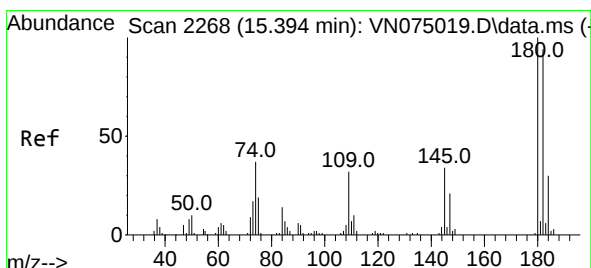
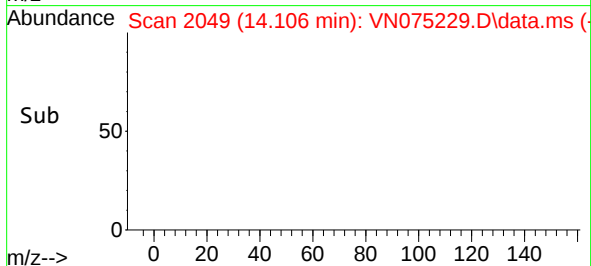
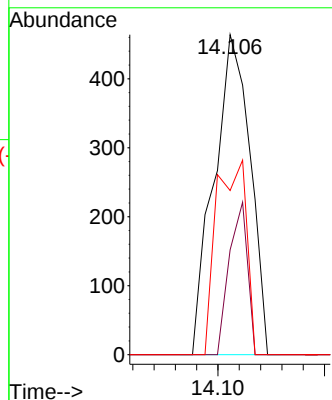
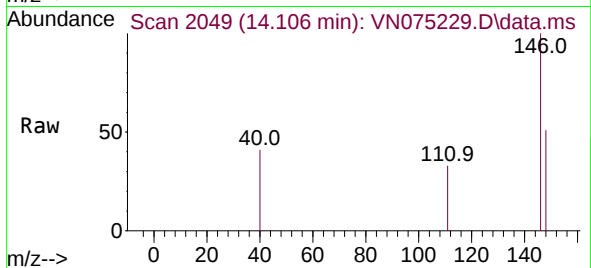
Tgt Ion:146 Resp: 547

Ion Ratio Lower Upper

146 100

111 24.1 21.3 63.9

148 50.5 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.902 ug/l

RT: 15.388 min Scan# 2267

Delta R.T. -0.006 min

Lab File: VN075229.D

Acq: 10 Nov 2022 12:23

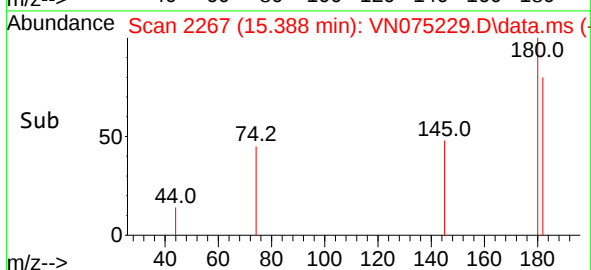
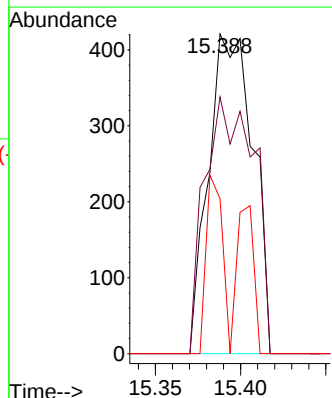
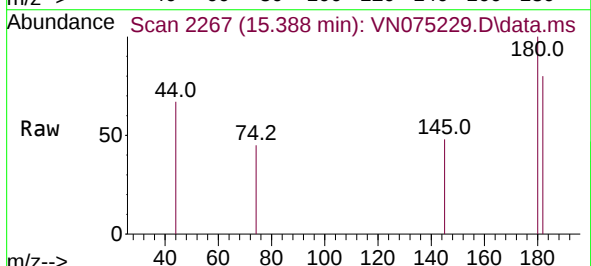
Tgt Ion:180 Resp: 764

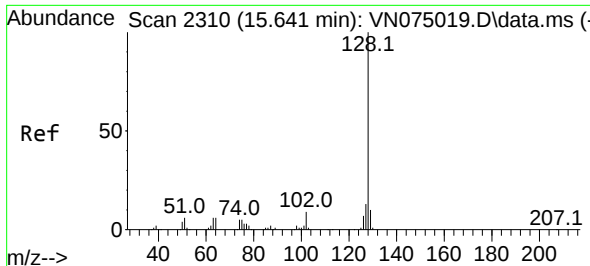
Ion Ratio Lower Upper

180 100

182 89.0 47.8 143.4

145 20.3 16.8 50.3

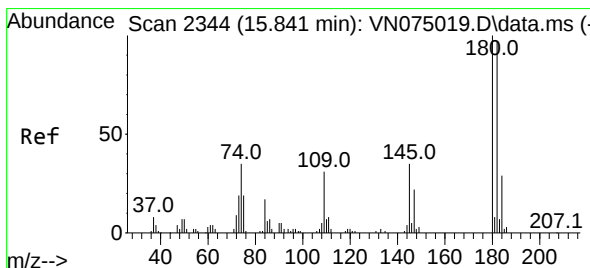
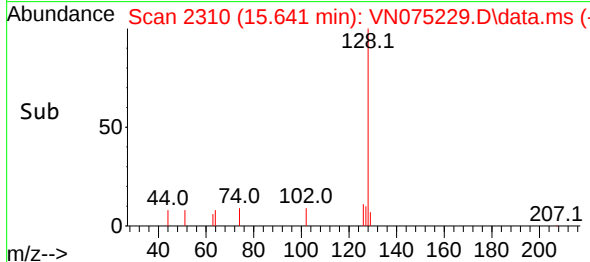
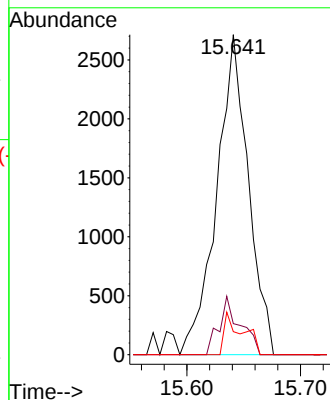
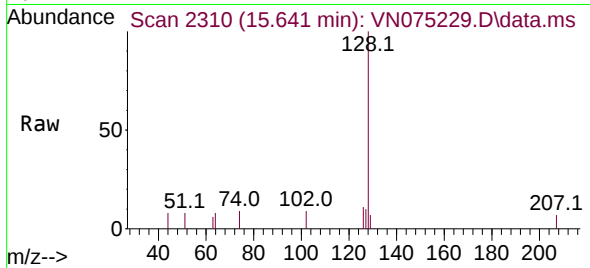




#95
Naphthalene
Concen: 1.610 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

Tgt Ion:	128	Resp:	5248
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	7.7	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.341 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075229.D
Acq: 10 Nov 2022 12:23

Tgt Ion:	180	Resp:	1129
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	12.3	17.6	52.9#

