

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075578.D
 Acq On : 06 Dec 2022 12:13
 Operator : JC\MD
 Sample : VN1206MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206MBL01

Quant Time: Dec 07 00:11:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

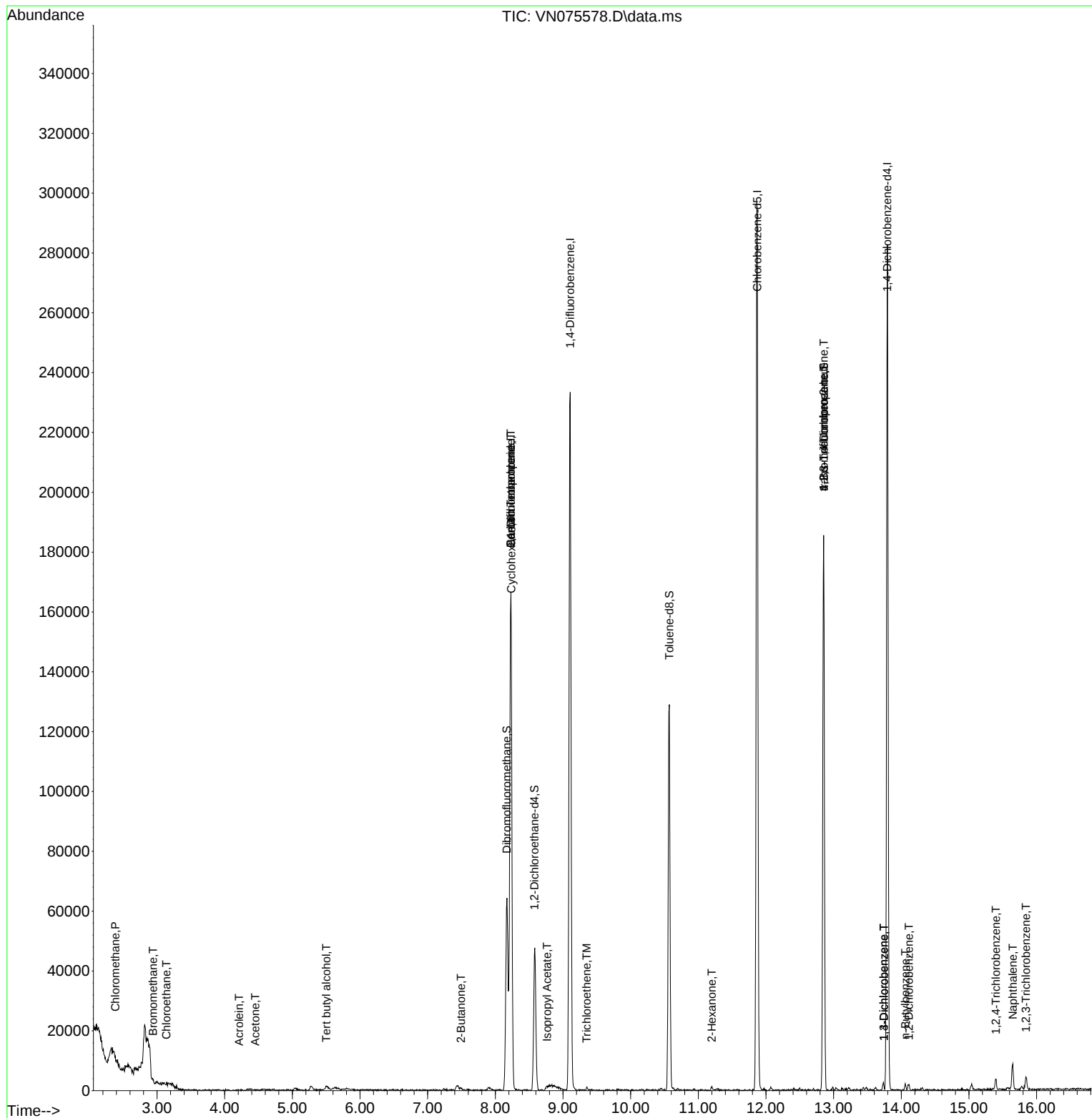
Internal Standards						
1) Pentafluorobenzene	8.230	168	129964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	217572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	188987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	38003	54.475	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.940%			
35) Dibromofluoromethane	8.171	113	46982	54.969	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.940%			
50) Toluene-d8	10.571	98	93681	48.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.853	95	63138	44.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.880%			
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	384	0.311	ug/l #	42
5) Bromomethane	2.942	94	465	0.339	ug/l #	78
6) Chloroethane	3.136	64	256	0.217	ug/l #	45
11) Tert butyl alcohol	5.500	59	427	1.458	ug/l #	72
13) Acrolein	4.212	56	70	0.274	ug/l #	15
16) Acetone	4.453	43	173	0.266	ug/l #	43
18) Methyl Acetate	5.042	43	1316	Below Cal	#	47
20) Methylene Chloride	5.289	84	1244	Below Cal	#	70
25) 2-Butanone	7.494	43	251	0.276	ug/l #	43
31) Cyclohexane	8.236	56	2413	1.089	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	9684	5.196	ug/l #	48
38) Carbon Tetrachloride	8.230	117	12904	6.302	ug/l #	16
43) Isopropyl Acetate	8.765	43	1173	0.435	ug/l #	53
44) Trichloroethene	9.347	130	321	0.206	ug/l	89
59) 2-Hexanone	11.200	43	1022	0.793	ug/l	93
76) 1,2,3-Trichloropropane	12.853	75	32063	21.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	32063	63.918	ug/l #	10
87) 1,3-Dichlorobenzene	13.741	146	1108	0.413	ug/l	79
88) 1,4-Dichlorobenzene	13.741	146	1108	0.407	ug/l	77
89) n-Butylbenzene	14.059	91	1424	0.340	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	1170	0.447	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	1789	1.335	ug/l	96
95) Naphthalene	15.647	128	9176	2.177	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	2198	1.669	ug/l	92

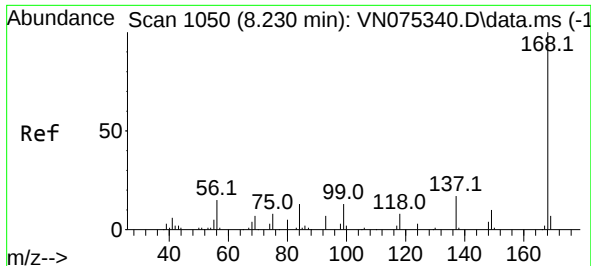
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
Data File : VN075578.D
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Sample : VN1206MBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

Quant Time: Dec 07 00:11:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

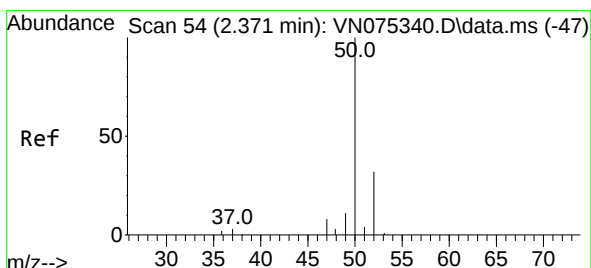
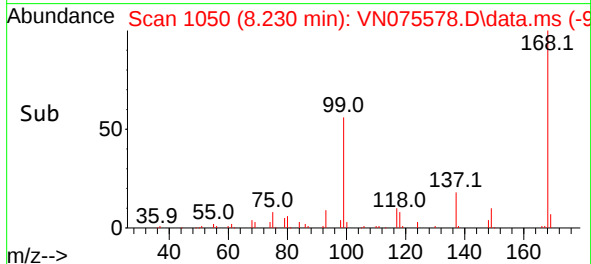
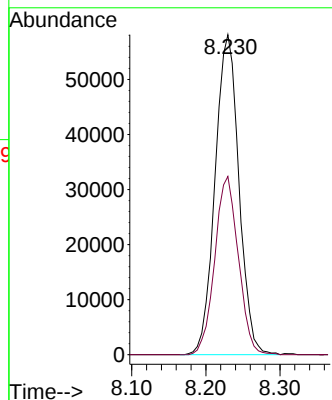
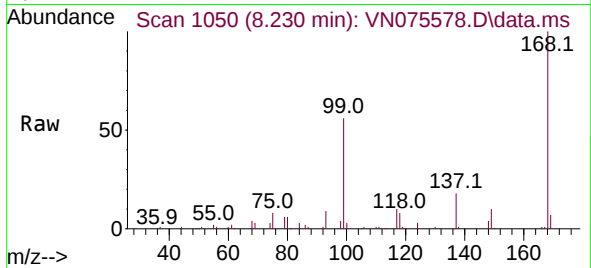




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

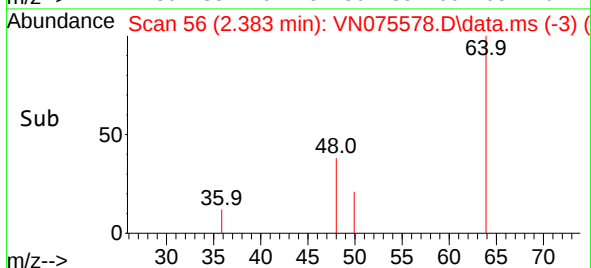
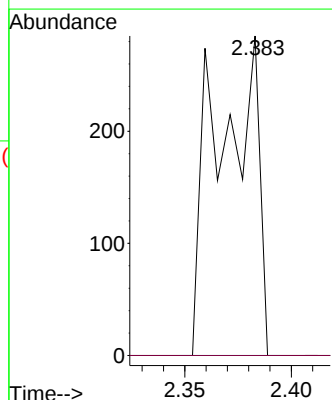
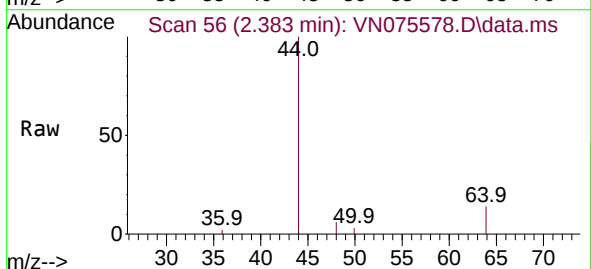
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

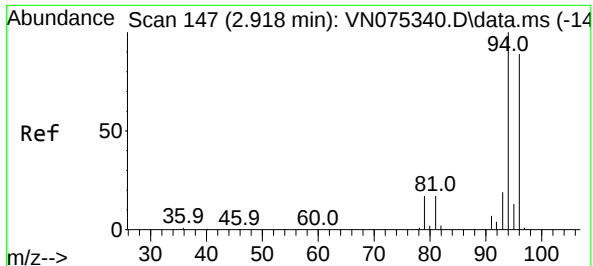
Tgt Ion:168 Resp: 129964
Ion Ratio Lower Upper
168 100
99 55.7 51.6 77.4



#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.012 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 50 Resp: 384
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

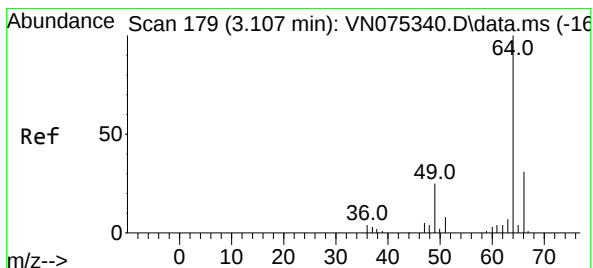
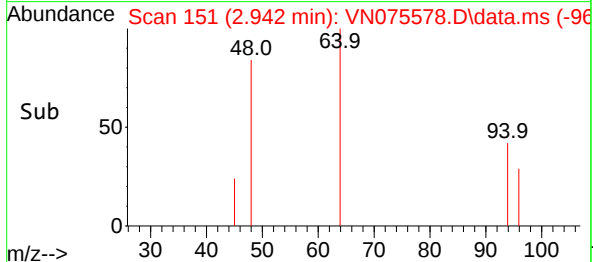
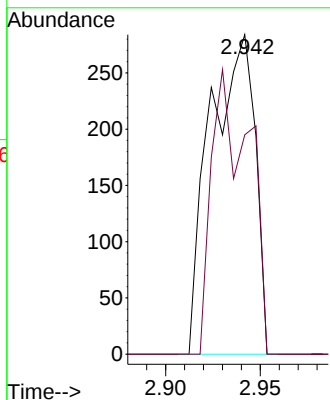
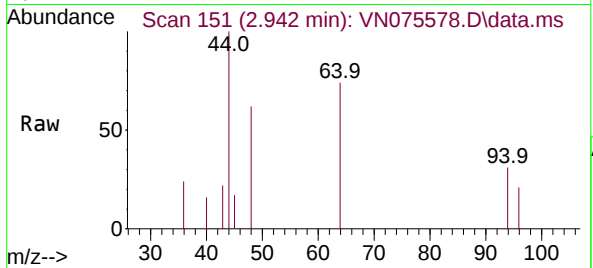




#5
Bromomethane
Concen: 0.339 ug/l
RT: 2.942 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

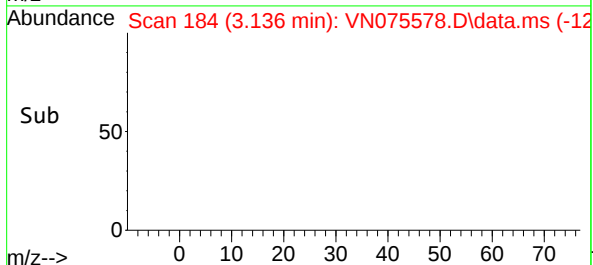
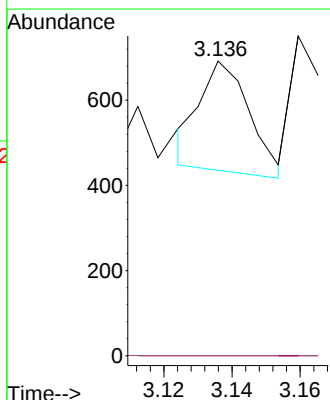
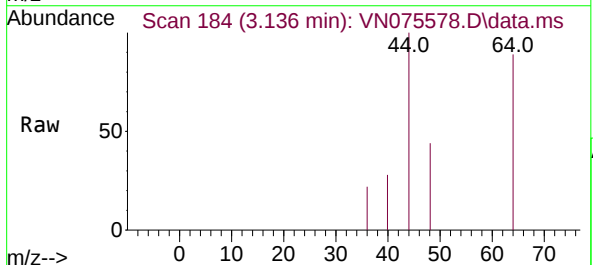
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

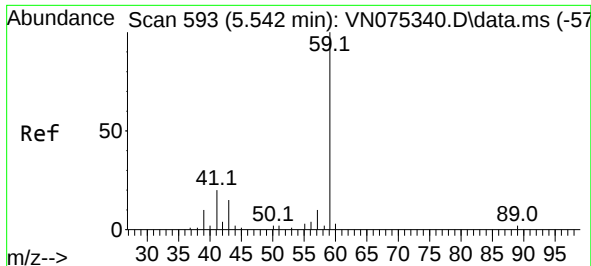
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 68.7 71.8 107.6#



#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.136 min Scan# 184
Delta R.T. 0.029 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

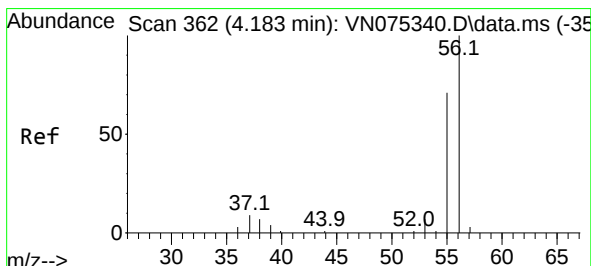
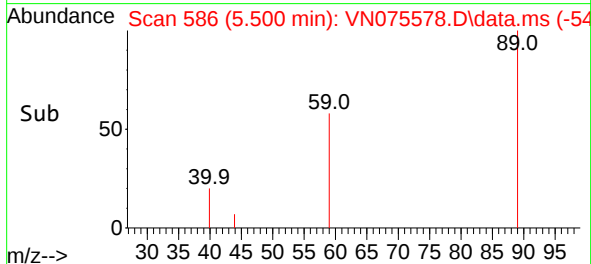
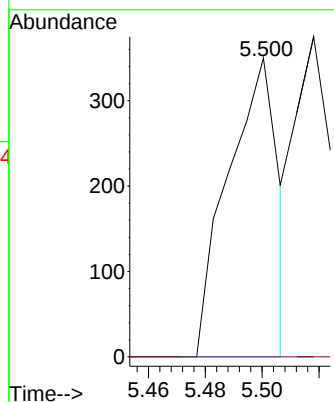
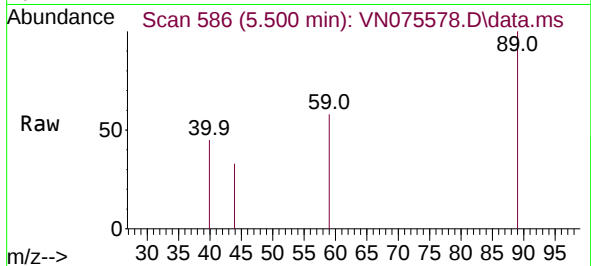




#11
Tert butyl alcohol
Concen: 1.458 ug/l
RT: 5.500 min Scan# 59
Delta R.T. -0.042 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

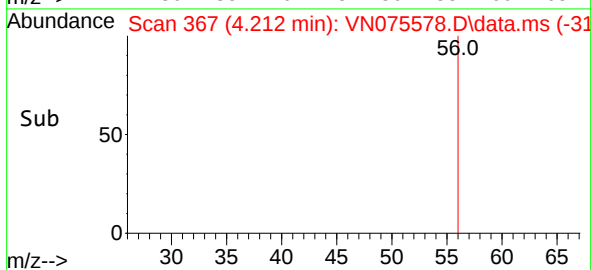
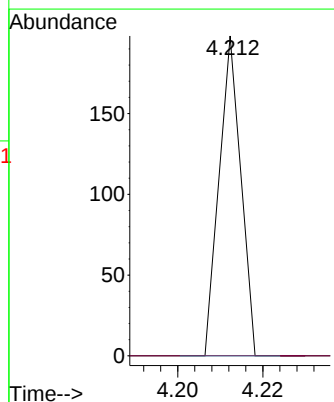
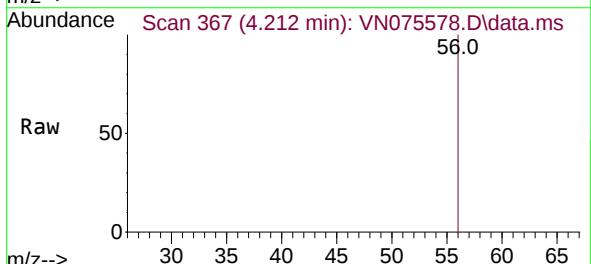
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

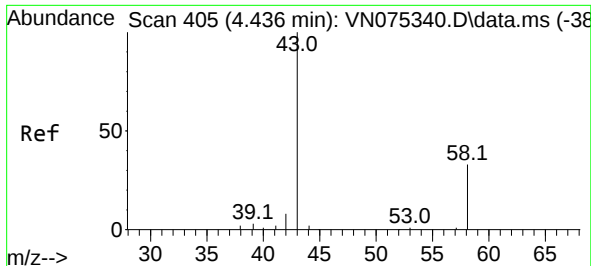
Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.274 ug/l
RT: 4.212 min Scan# 367
Delta R.T. 0.029 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#

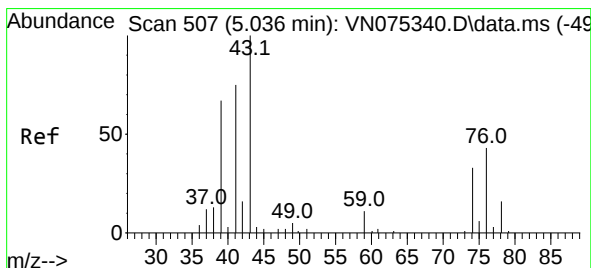
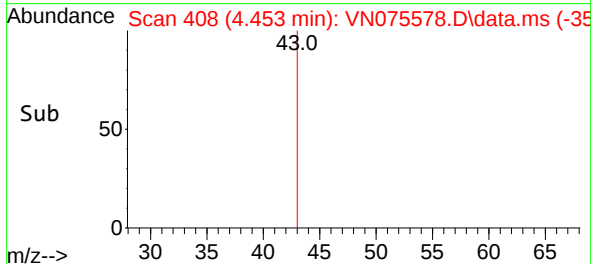
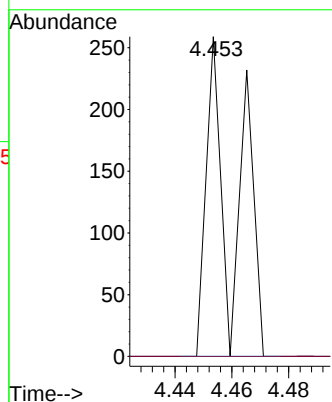
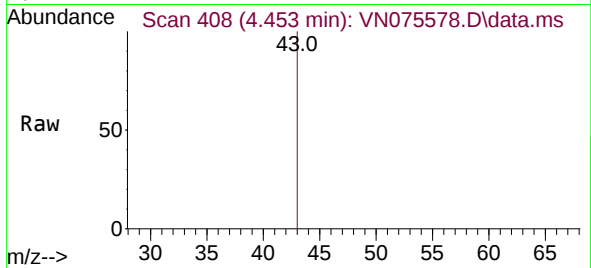




#16
Acetone
Concen: 0.266 ug/l
RT: 4.453 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

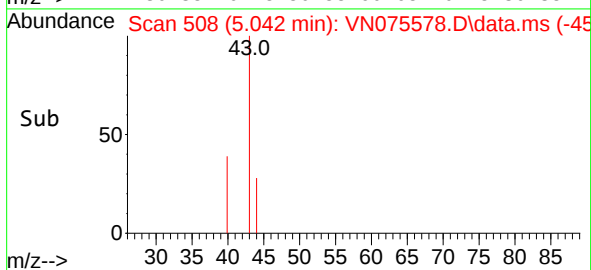
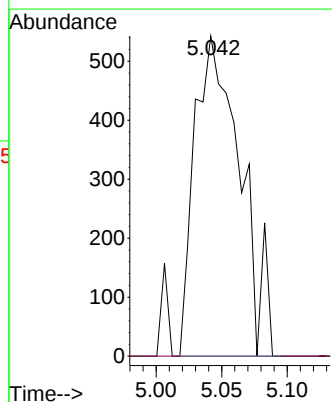
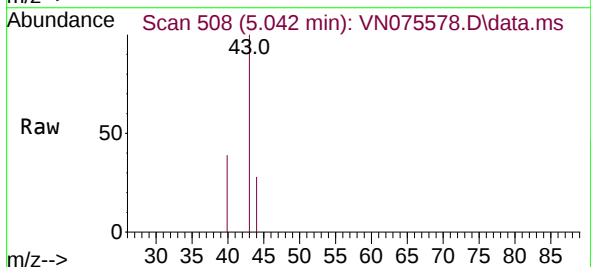
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

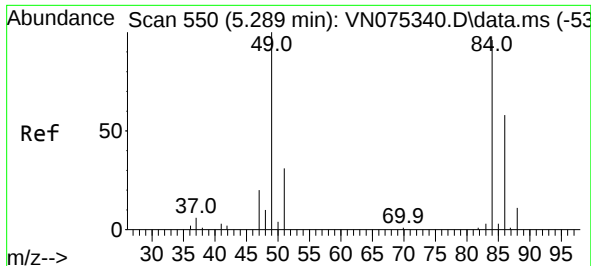
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#

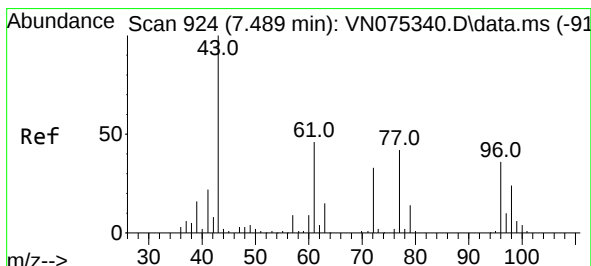
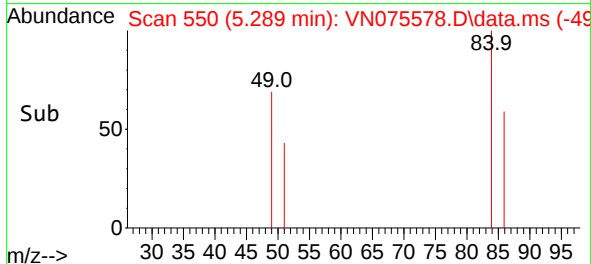
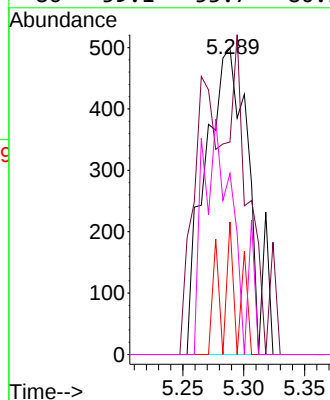
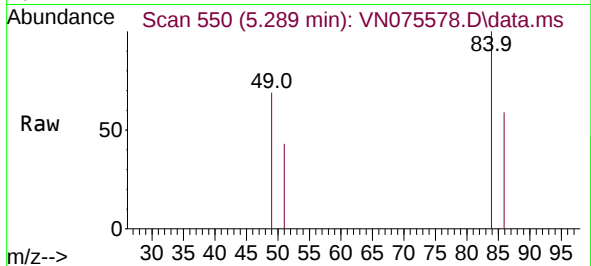




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

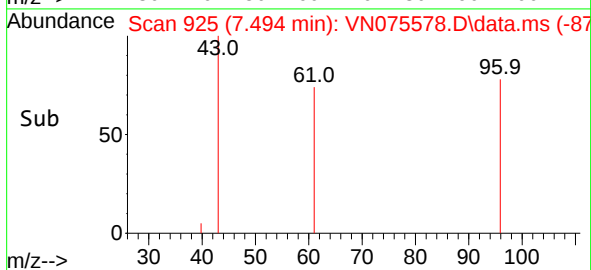
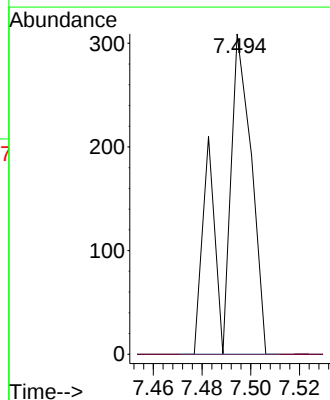
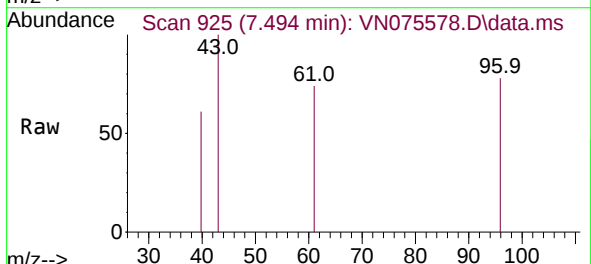
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

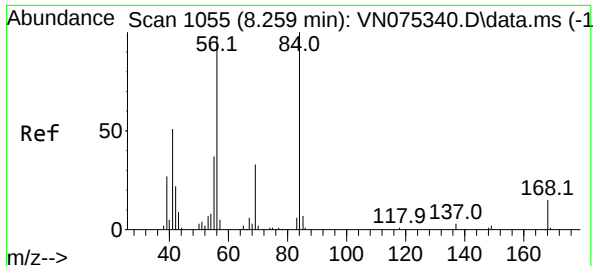
Tgt Ion:	84	Resp:	1244
Ion	Ratio	Lower	Upper
84	100		
49	69.3	94.9	142.3#
51	43.3	26.8	40.2#
86	59.1	53.7	80.5



#25
2-Butanone
Concen: 0.276 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion:	43	Resp:	251
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

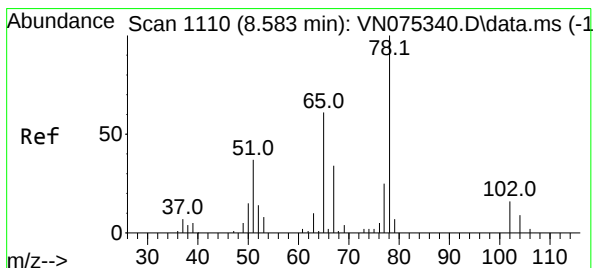
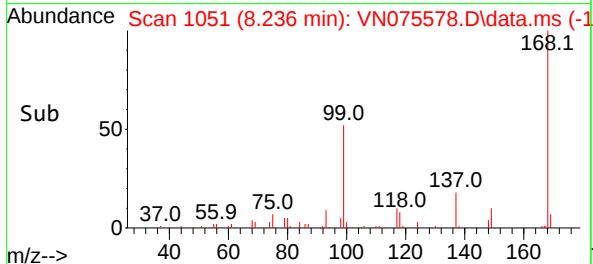
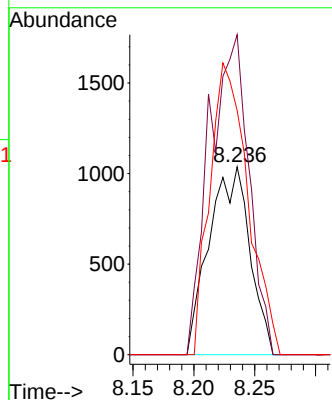
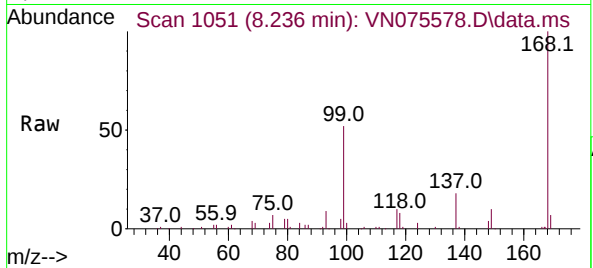




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.236 min Scan# 1109
Delta R.T. -0.023 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

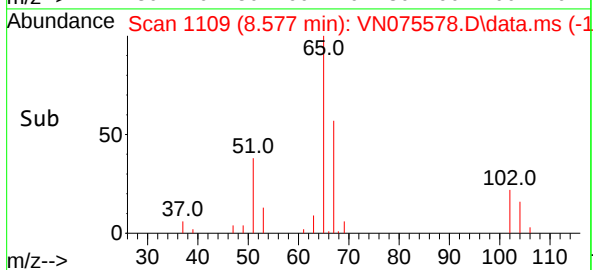
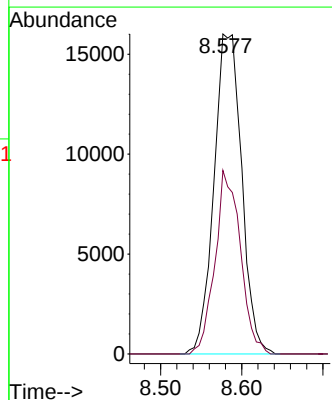
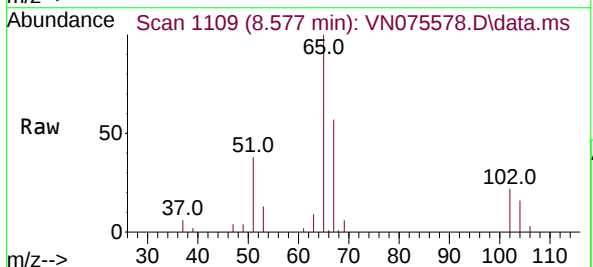
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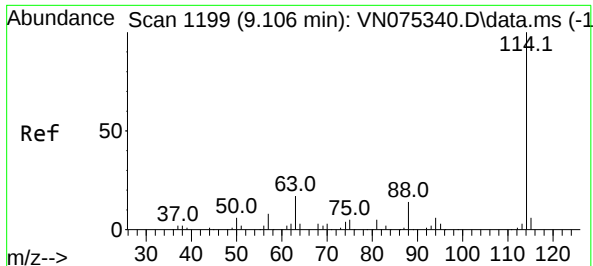
Tgt Ion: 56 Resp: 2413
Ion Ratio Lower Upper
56 100
69 170.4 25.2 37.8#
84 130.0 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 54.475 ug/l
RT: 8.577 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 65 Resp: 38003
Ion Ratio Lower Upper
65 100
67 52.4 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: VN075578.D

Acq: 06 Dec 2022 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1206MBL01

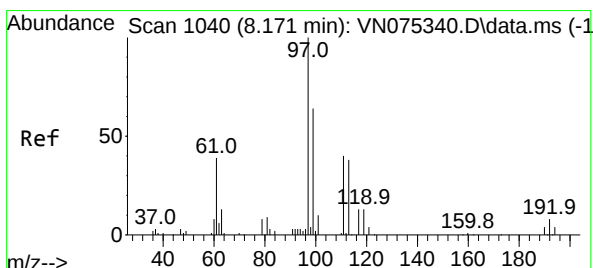
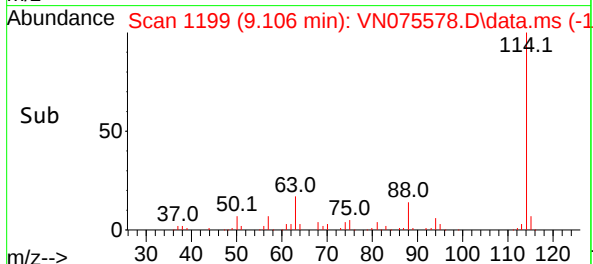
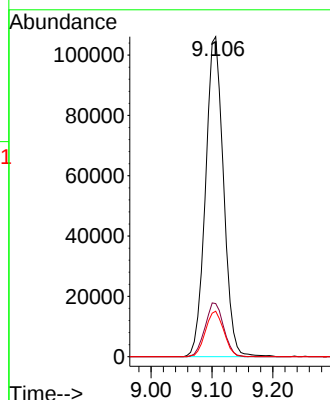
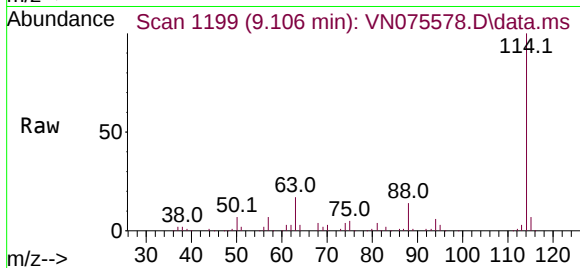
Tgt Ion:114 Resp: 217572

Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.6

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.969 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

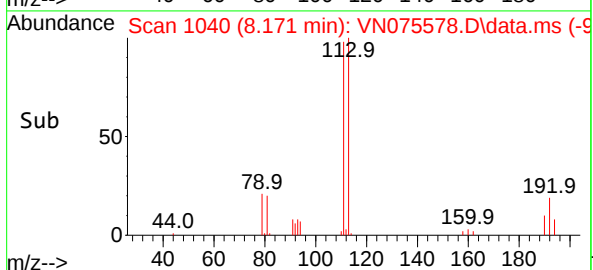
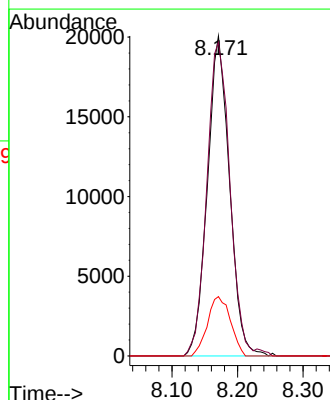
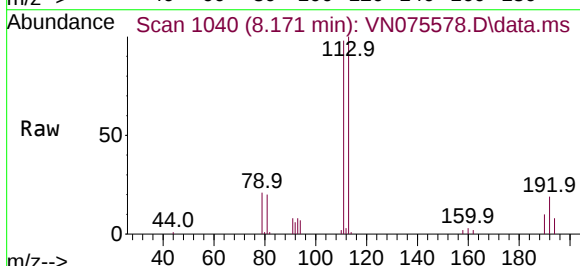
Tgt Ion:113 Resp: 46982

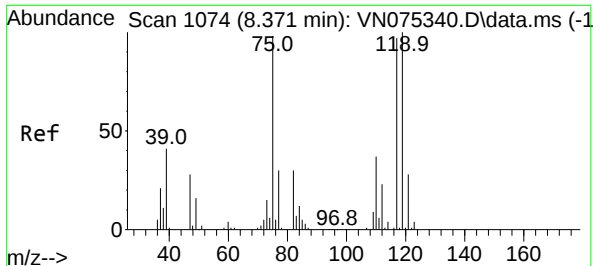
Ion Ratio Lower Upper

113 100

111 103.0 80.5 120.7

192 19.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.196 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1206MBL01

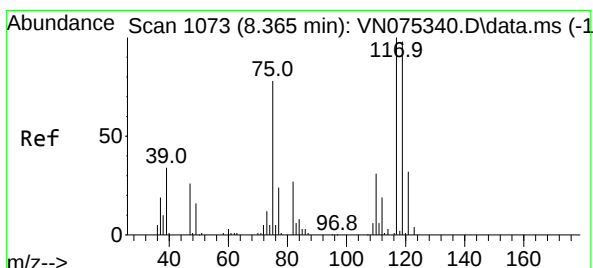
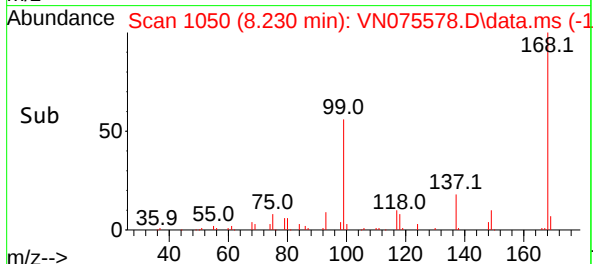
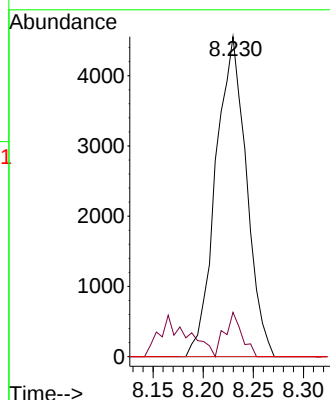
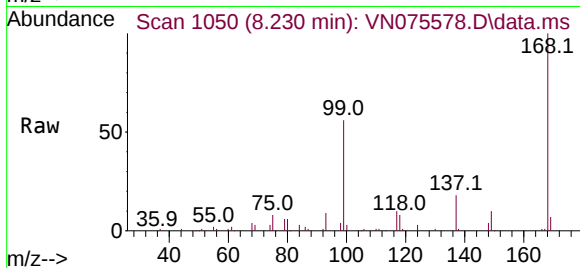
Tgt Ion: 75 Resp: 9684

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.302 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

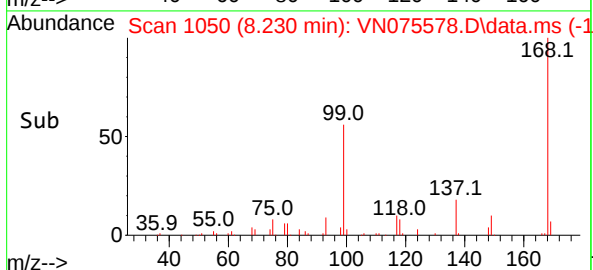
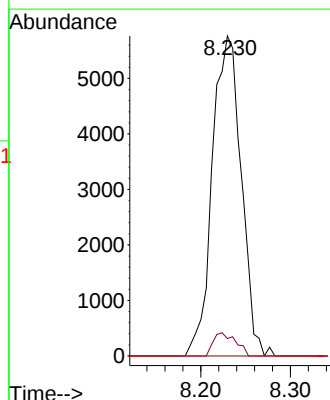
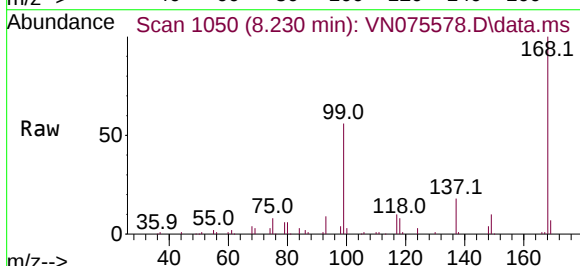
Tgt Ion: 117 Resp: 12904

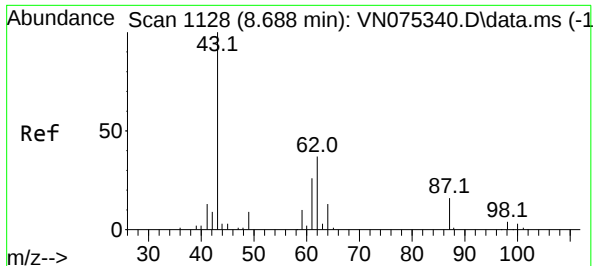
Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.435 ug/l

RT: 8.765 min Scan# 1128

Delta R.T. 0.077 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1206MBL01

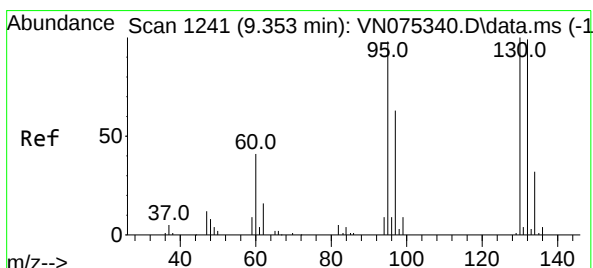
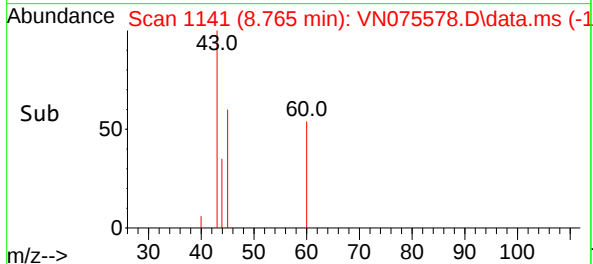
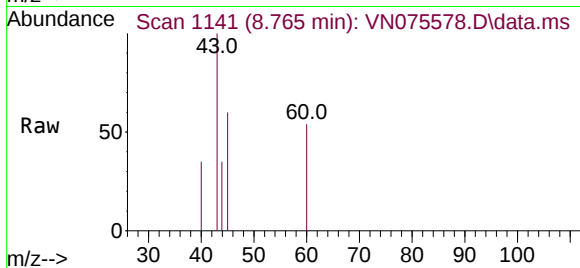
Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#44

Trichloroethene

Concen: 0.206 ug/l

RT: 9.347 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VN075578.D

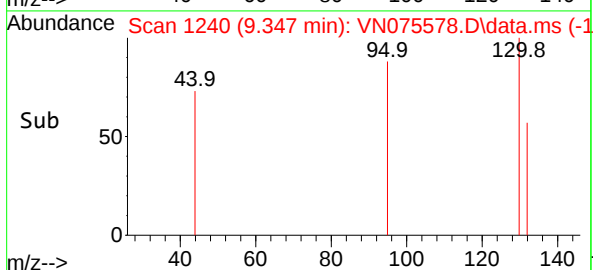
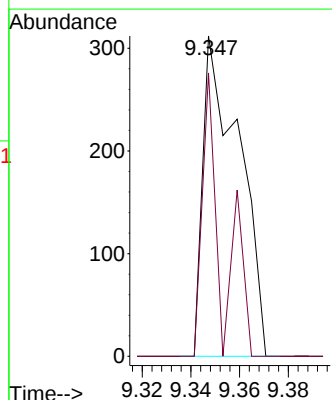
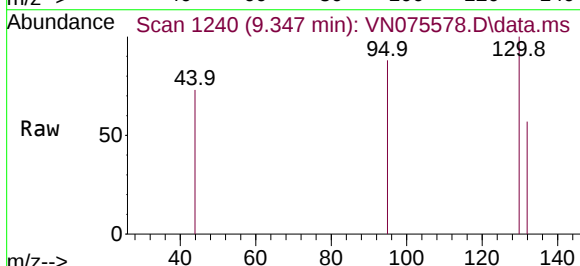
Acq: 06 Dec 2022 12:13

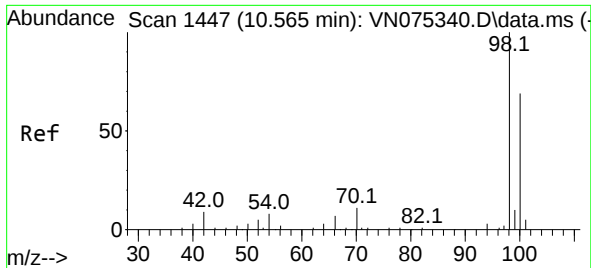
Tgt Ion: 130 Resp: 321

Ion Ratio Lower Upper

130 100

95 88.5 0.0 198.4

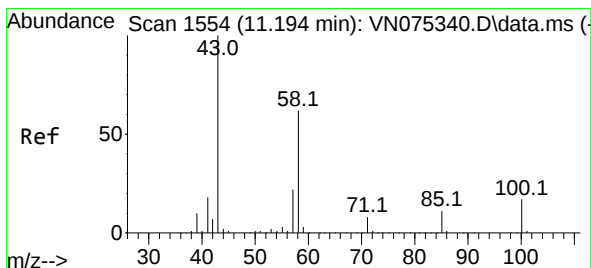
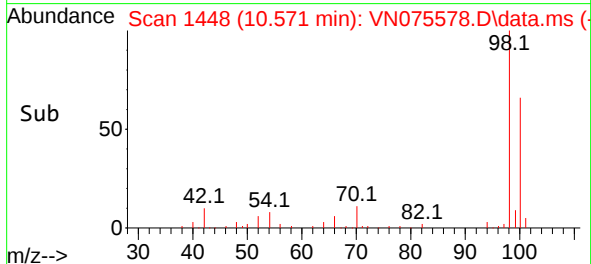
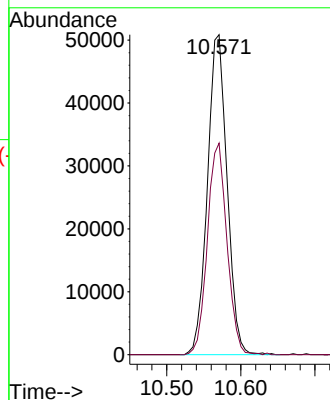
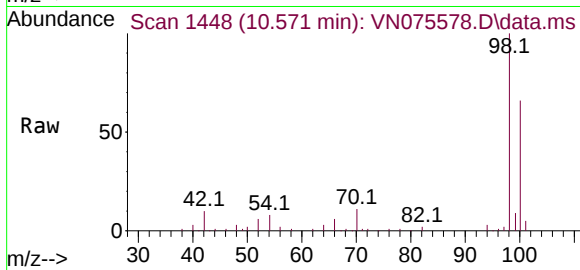




#50
Toluene-d8
Concen: 48.665 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

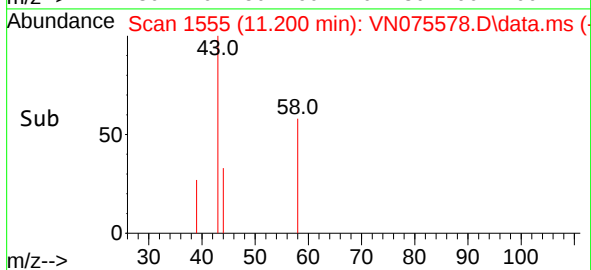
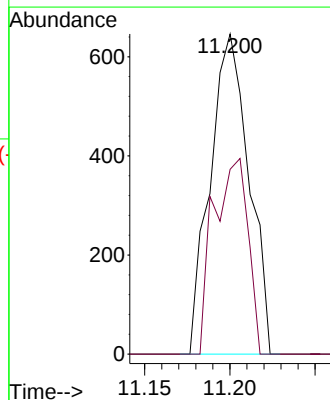
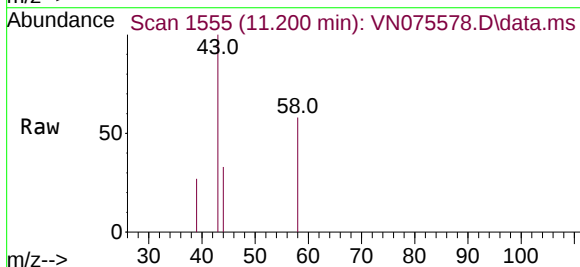
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

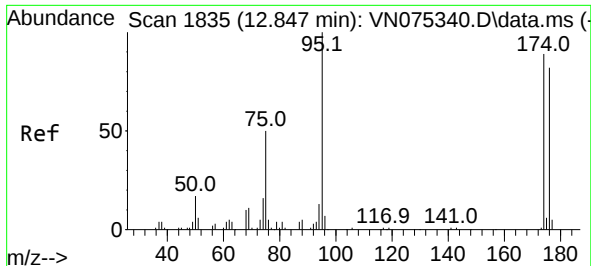
Tgt Ion: 98 Resp: 93681
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#59
2-Hexanone
Concen: 0.793 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 54.2 29.6 88.8

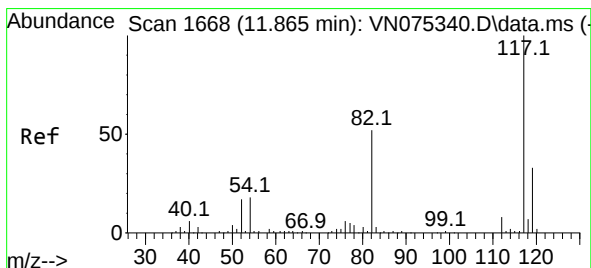
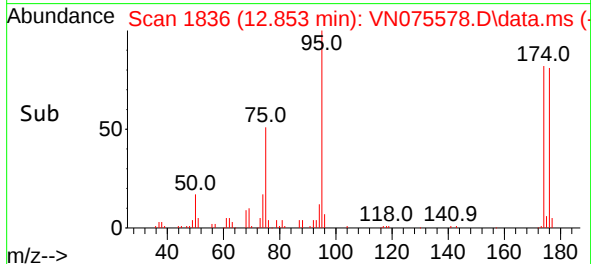
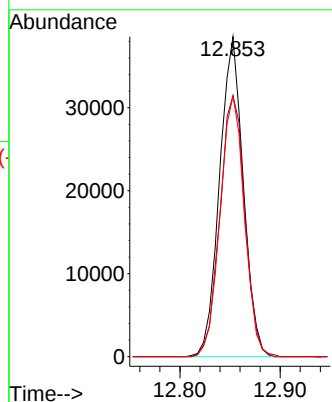
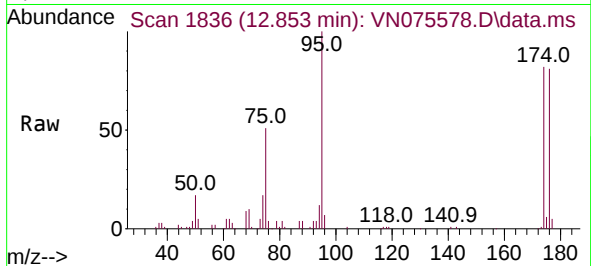




#62
4-Bromofluorobenzene
Concen: 44.436 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

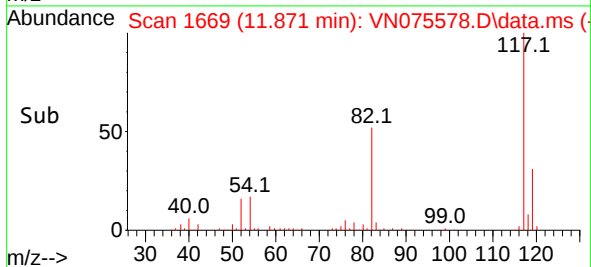
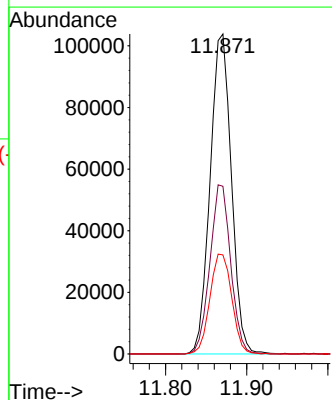
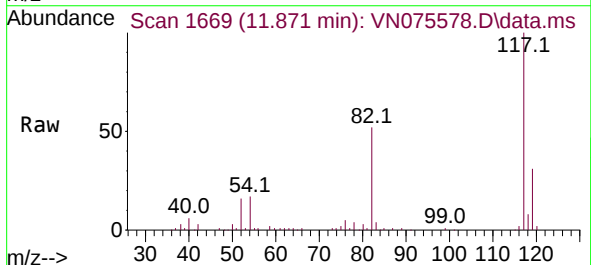
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

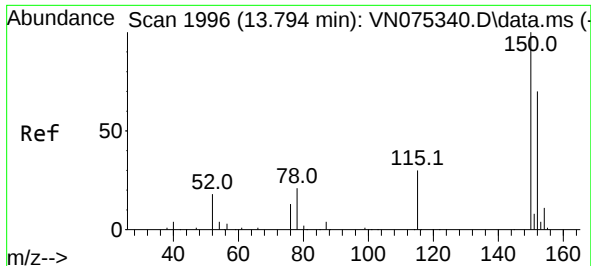
Tgt Ion: 95 Resp: 63138
Ion Ratio Lower Upper
95 100
174 86.1 0.0 147.4
176 83.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 117 Resp: 188987
Ion Ratio Lower Upper
117 100
82 52.4 43.1 64.7
119 31.0 25.5 38.3

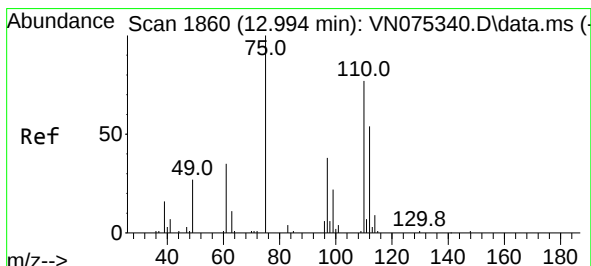
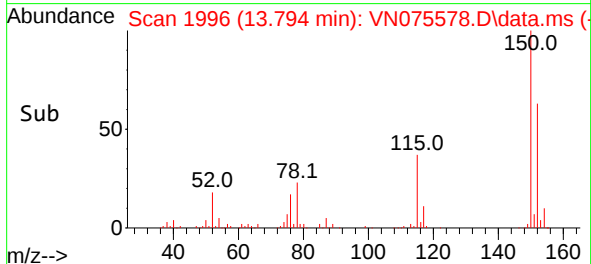
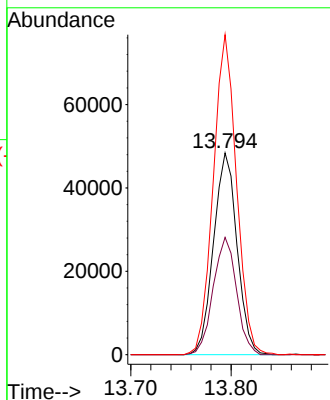
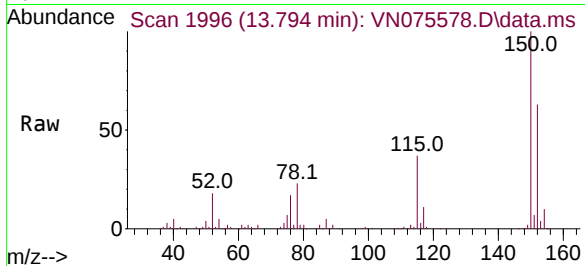




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

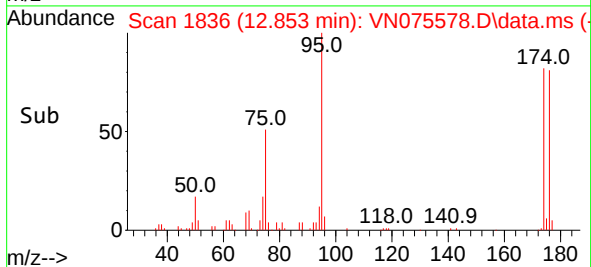
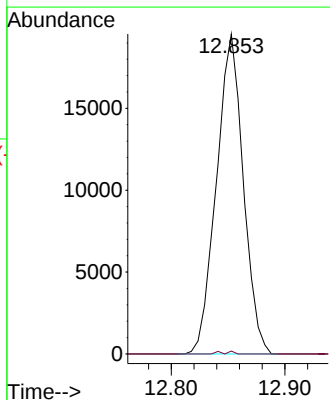
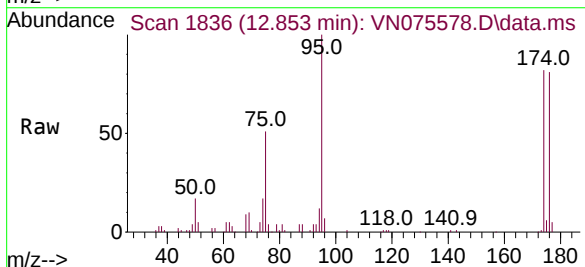
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

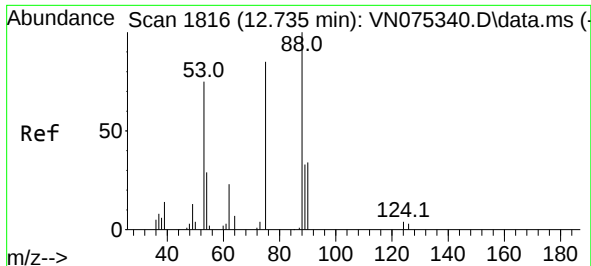
Tgt Ion:152 Resp: 78499
Ion Ratio Lower Upper
152 100
115 57.8 30.2 90.6
150 157.0 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 21.603 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 75 Resp: 32063
Ion Ratio Lower Upper
75 100
77 0.2 75.6 226.8#

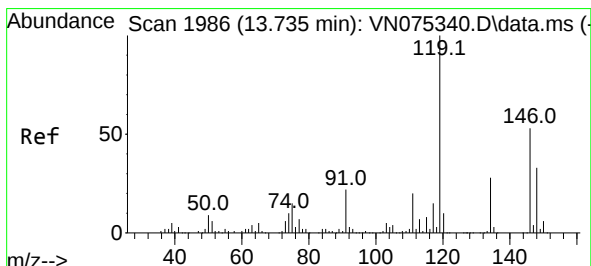
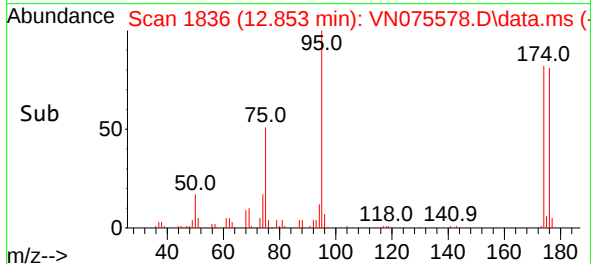
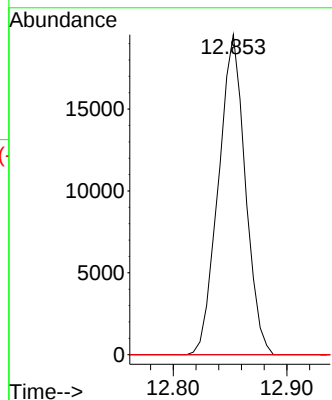
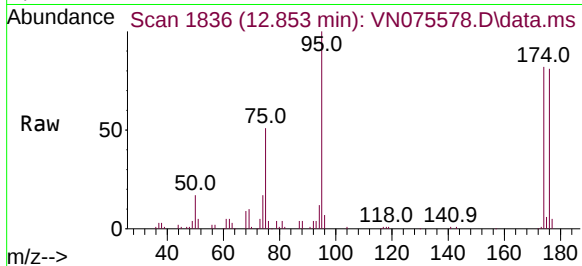




#81
trans-1,4-Dichloro-2-butene
Concen: 63.918 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

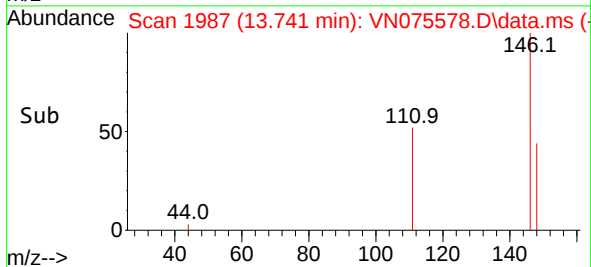
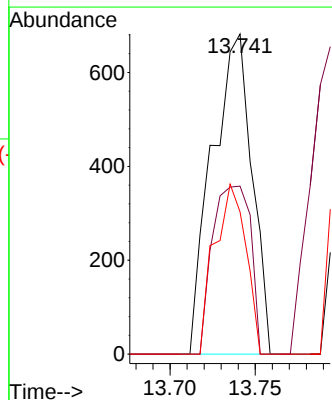
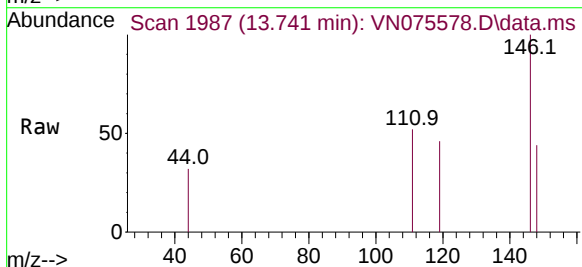
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

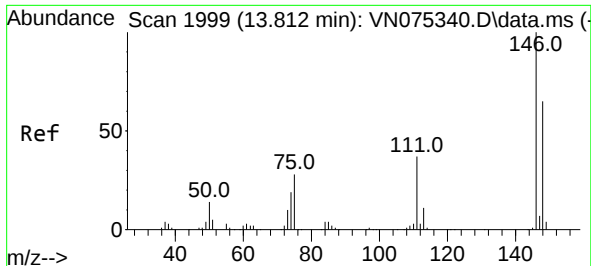
Tgt Ion: 75 Resp: 32063
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.413 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 146 Resp: 1108
Ion Ratio Lower Upper
146 100
111 50.0 20.8 62.5
148 41.9 31.1 93.5

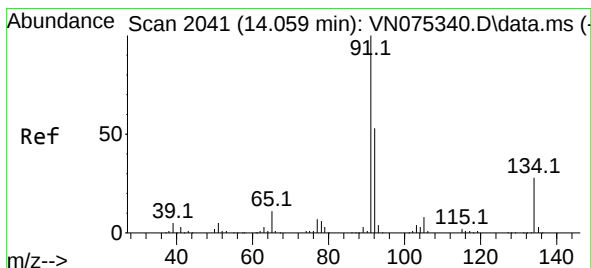
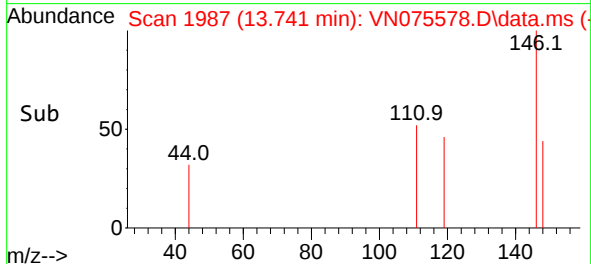
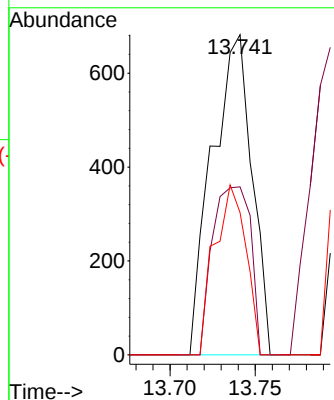
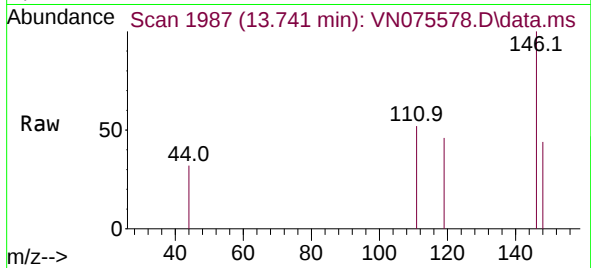




#88
1,4-Dichlorobenzene
Concen: 0.407 ug/l
RT: 13.741 min Scan# 1999
Delta R.T. -0.071 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

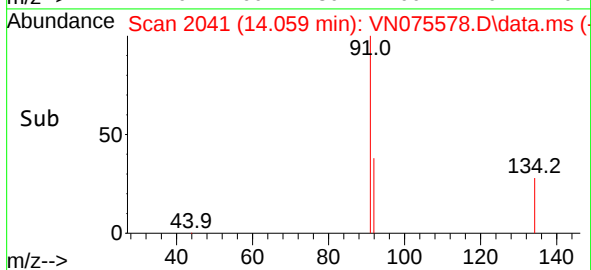
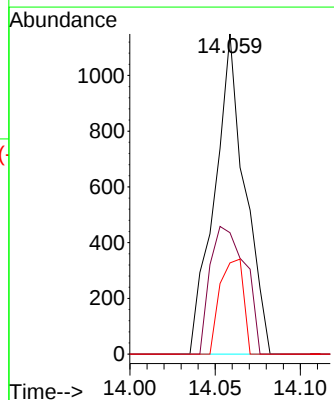
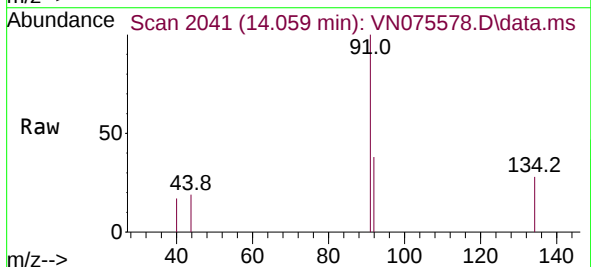
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

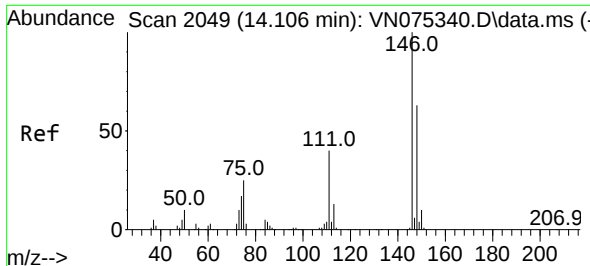
Tgt Ion:146 Resp: 1108
Ion Ratio Lower Upper
146 100
111 50.0 20.1 60.3
148 41.9 31.9 95.7



#89
n-Butylbenzene
Concen: 0.340 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion: 91 Resp: 1424
Ion Ratio Lower Upper
91 100
92 46.2 26.5 79.4
134 22.8 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.447 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1206MBL01

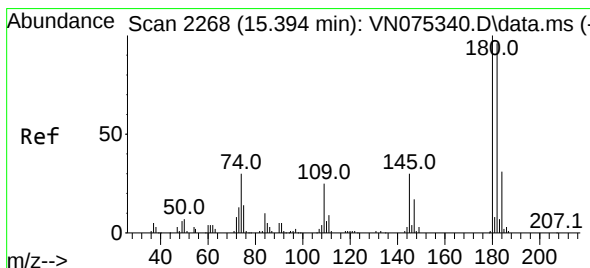
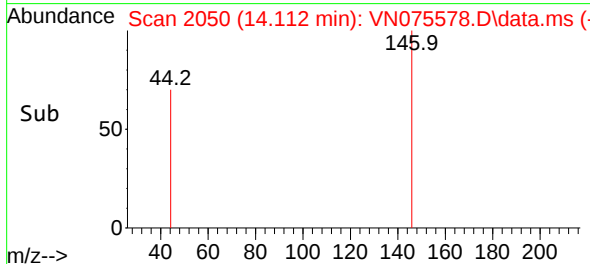
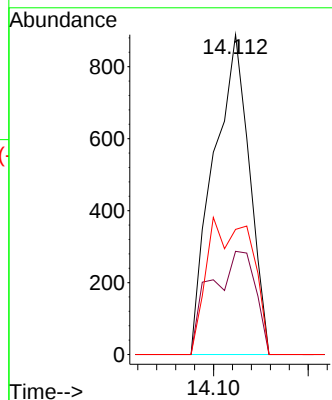
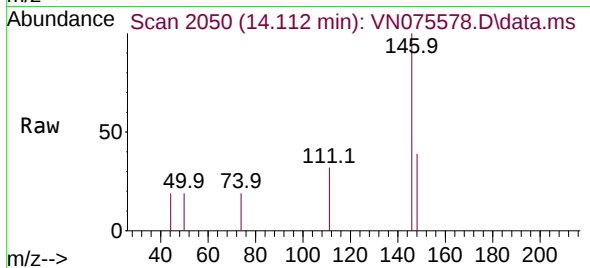
Tgt Ion:146 Resp: 1170

Ion Ratio Lower Upper

146 100

111 39.7 21.3 63.9

148 53.3 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 1.335 ug/l

RT: 15.400 min Scan# 2269

Delta R.T. 0.006 min

Lab File: VN075578.D

Acq: 06 Dec 2022 12:13

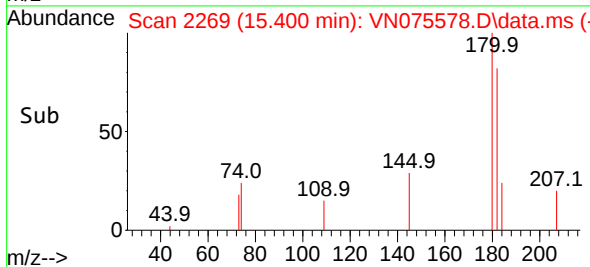
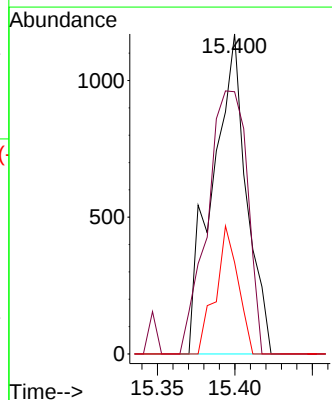
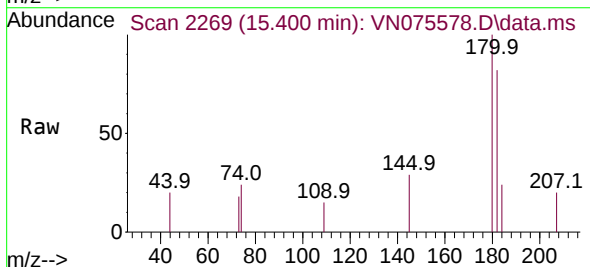
Tgt Ion:180 Resp: 1789

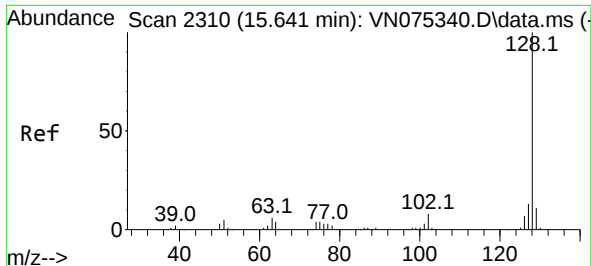
Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.4

145 26.3 16.8 50.3

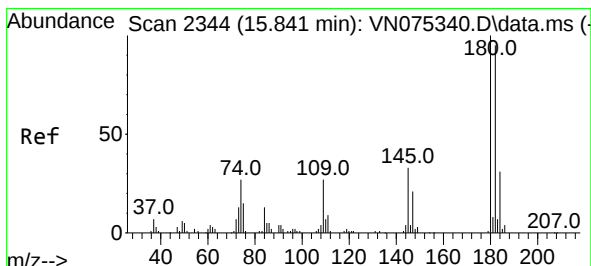
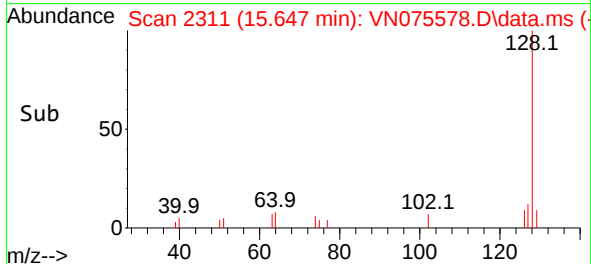
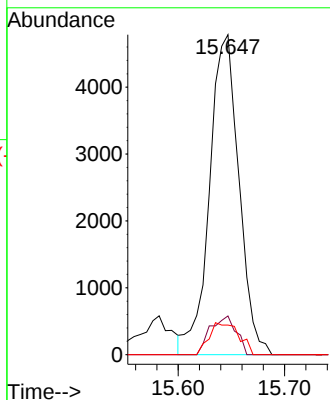
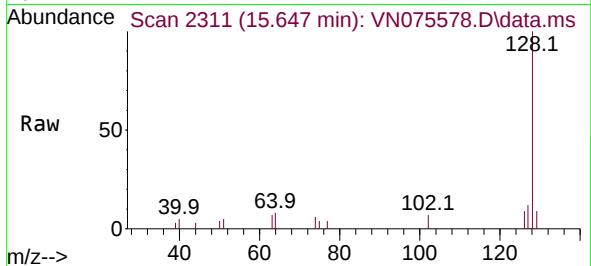




#95
Naphthalene
Concen: 2.177 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

Tgt Ion:128 Resp: 9176
Ion Ratio Lower Upper
128 100
127 10.6 10.4 15.6
129 10.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.669 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075578.D
Acq: 06 Dec 2022 12:13

Tgt Ion:180 Resp: 2198
Ion Ratio Lower Upper
180 100
182 86.9 47.3 141.8
145 31.4 17.6 52.9

