

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075184.D
 Acq On : 07 Nov 2022 13:30
 Operator : JC\MD
 Sample : VN1107MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

Quant Time: Nov 08 01:08:16 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)

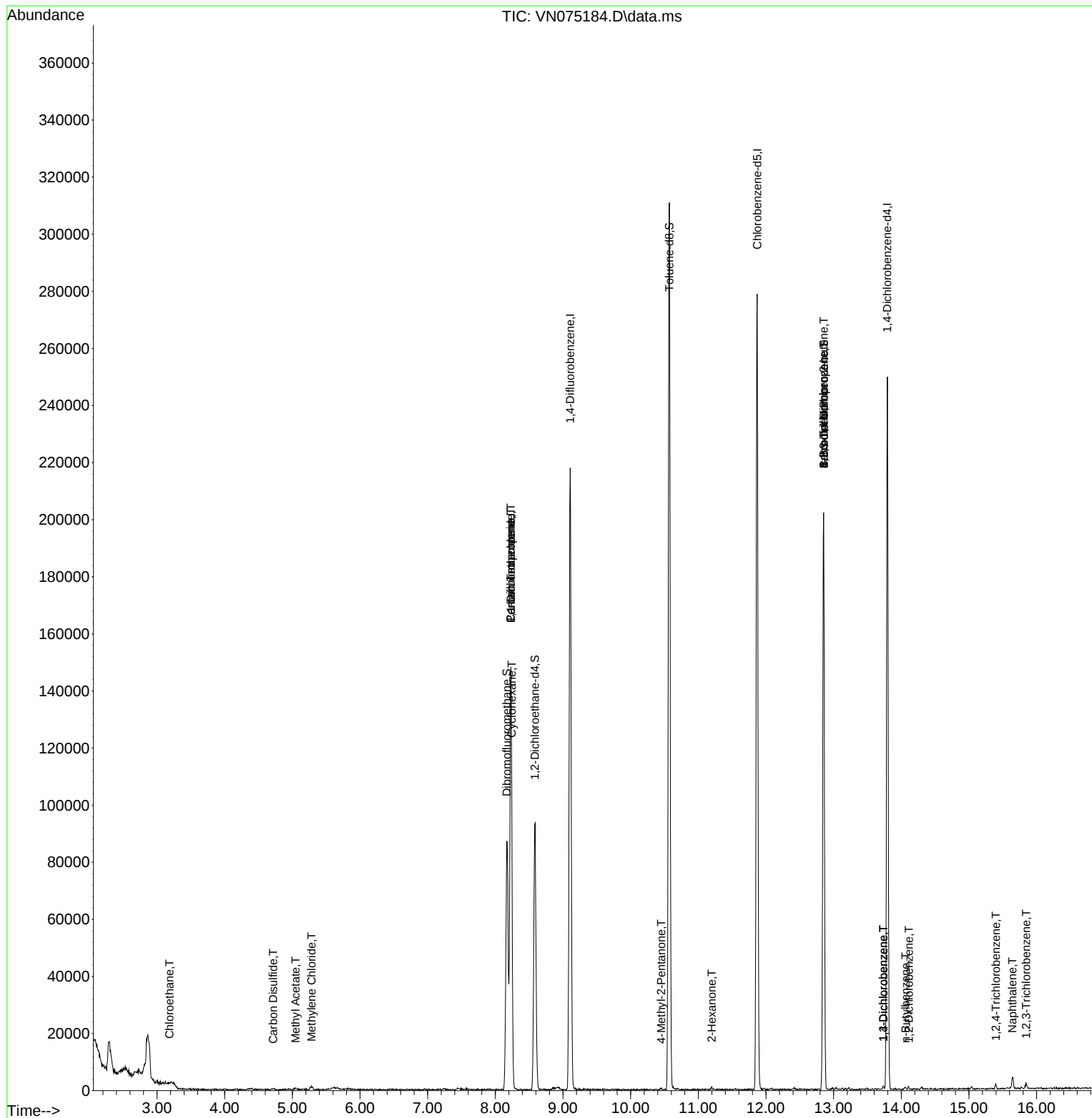
Internal Standards						
1) Pentafluorobenzene	8.230	168	104191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	163682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77606	55.281	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.560%			
35) Dibromofluoromethane	8.171	113	63345	55.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.720%			
50) Toluene-d8	10.571	98	222367	50.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.853	95	69337	44.459	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.920%			
Target Compounds						Qvalue
5) Bromomethane	2.924	94	633	Below Cal	#	54
6) Chloroethane	3.183	64	409	0.278	ug/l #	45
17) Carbon Disulfide	4.718	76	846	0.305	ug/l #	74
18) Methyl Acetate	5.047	43	742	0.382	ug/l #	62
20) Methylene Chloride	5.283	84	943	0.712	ug/l #	52
31) Cyclohexane	8.241	56	2725	1.305	ug/l #	64
36) 1,1-Dichloropropene	8.230	75	9096	5.134	ug/l #	49
38) Carbon Tetrachloride	8.230	117	11527	5.915	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	395	0.203	ug/l #	34
59) 2-Hexanone	11.200	43	713	0.483	ug/l #	59
71) Bromoform	12.853	173	484	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	38057	27.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38057	70.377	ug/l #	10
87) 1,3-Dichlorobenzene	13.735	146	511	0.226	ug/l	86
88) 1,4-Dichlorobenzene	13.735	146	511	0.228	ug/l	86
89) n-Butylbenzene	14.064	91	746	0.205	ug/l #	61
91) 1,2-Dichlorobenzene	14.111	146	514	0.228	ug/l #	79
93) 1,2,4-Trichlorobenzene	15.400	180	786	0.812	ug/l	93
95) Naphthalene	15.641	128	5088	1.367	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	1027	1.068	ug/l #	86

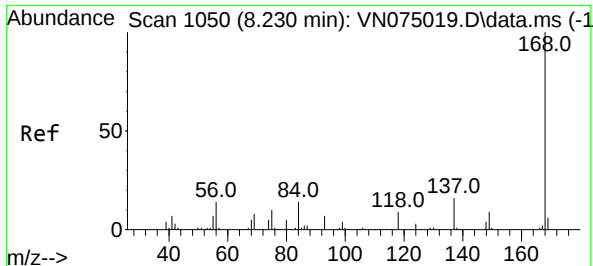
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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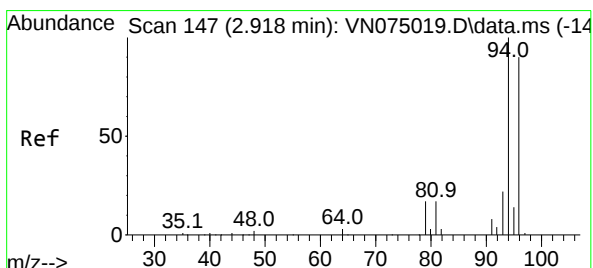
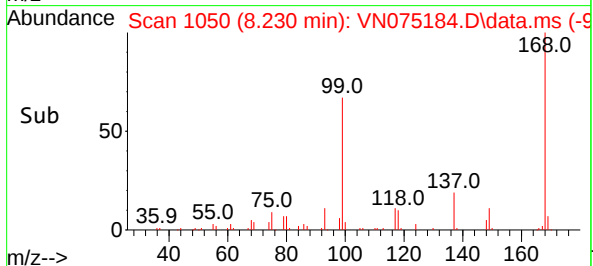
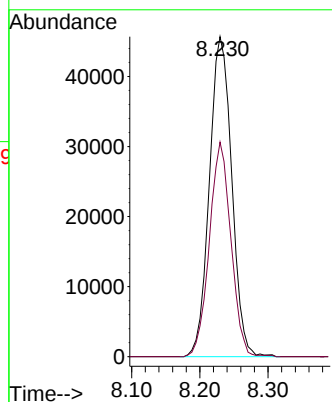
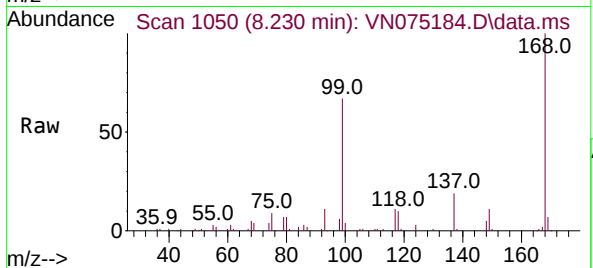




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

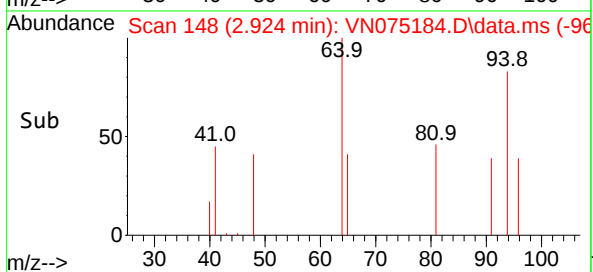
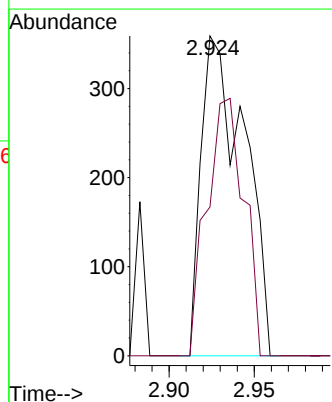
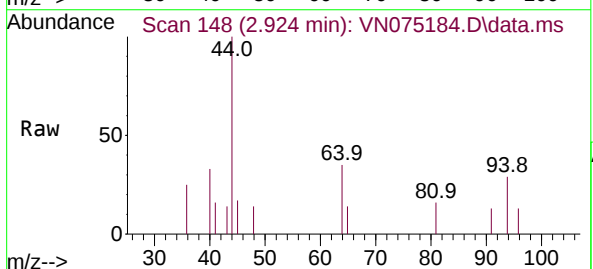
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

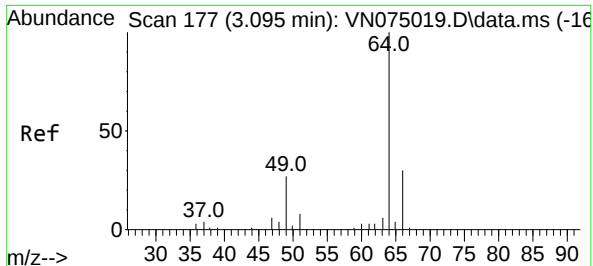
Tgt Ion:168 Resp: 104191
Ion Ratio Lower Upper
168 100
99 67.1 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 94 Resp: 633
Ion Ratio Lower Upper
94 100
96 46.5 71.8 107.6#

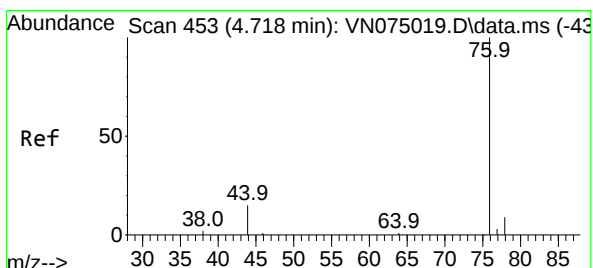
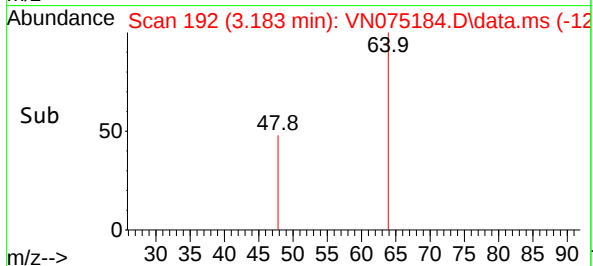
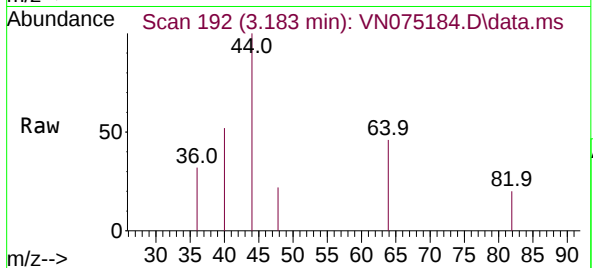




#6
Chloroethane
Concen: 0.278 ug/l
RT: 3.183 min Scan# 192
Delta R.T. 0.088 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

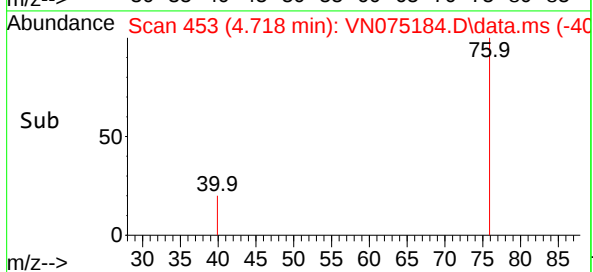
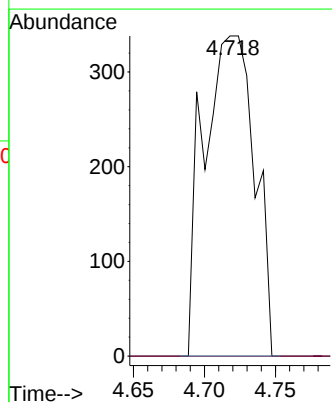
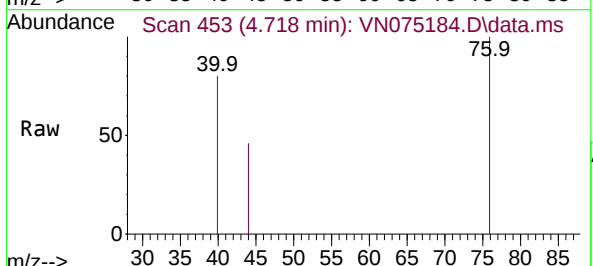
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

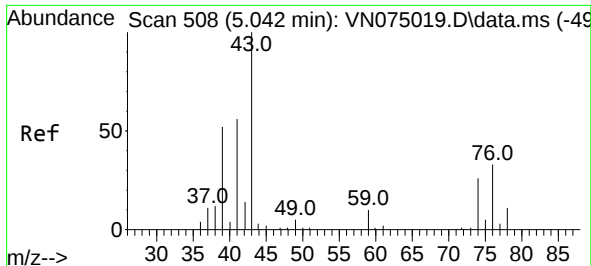
Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.305 ug/l
RT: 4.718 min Scan# 453
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 76 Resp: 846
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

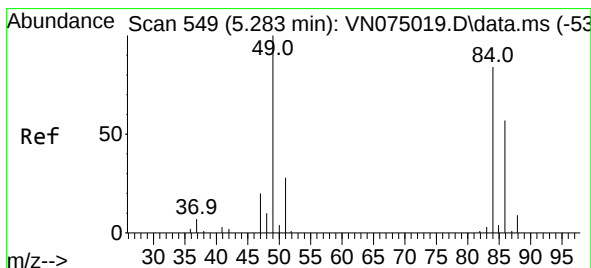
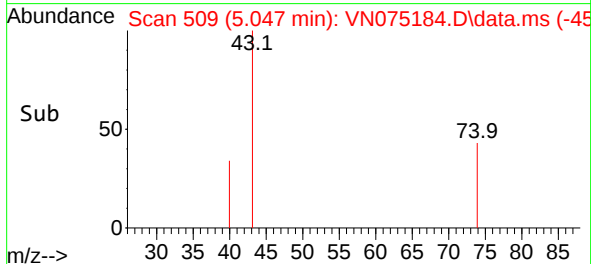
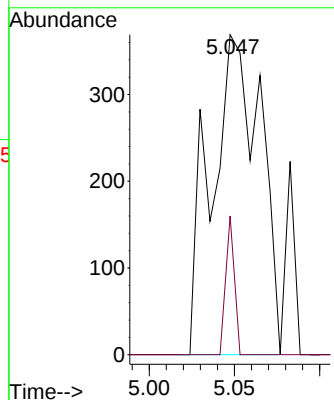
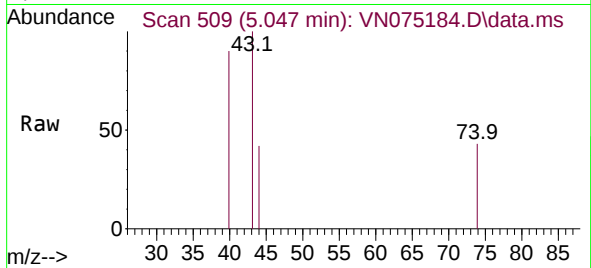




#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

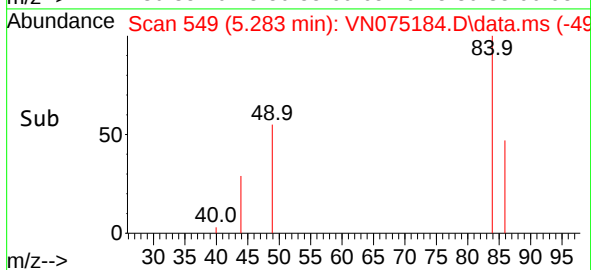
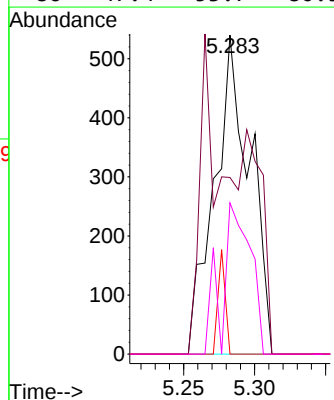
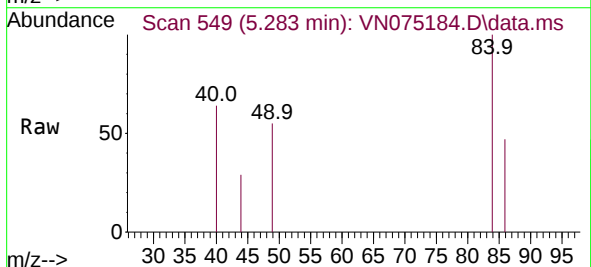
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

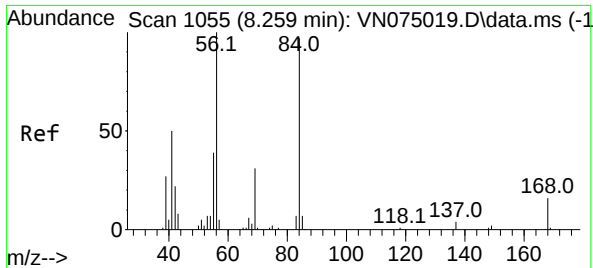
Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 7.5 22.0 33.0#



#20
Methylene Chloride
Concen: 0.712 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 84 Resp: 943
Ion Ratio Lower Upper
84 100
49 55.4 94.9 142.3#
51 0.0 26.8 40.2#
86 47.4 53.7 80.5#

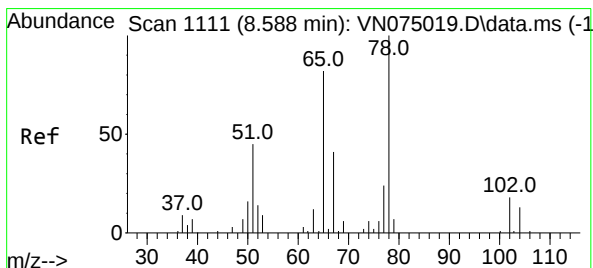
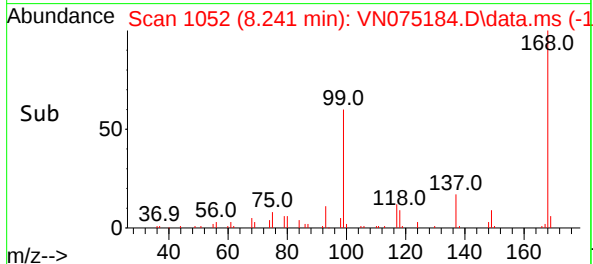
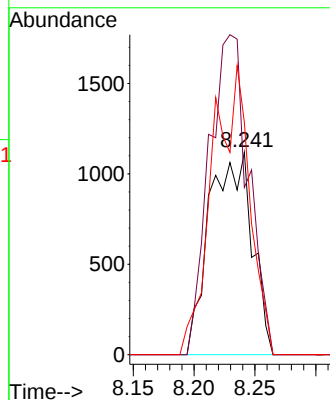
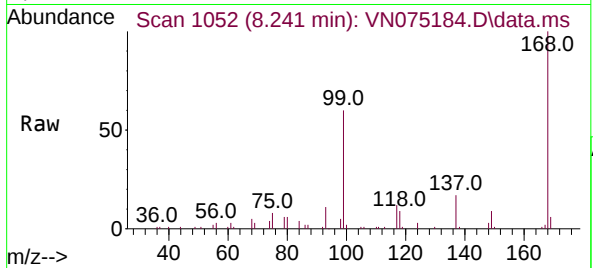




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 8.241 min Scan# 1105
Delta R.T. -0.018 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

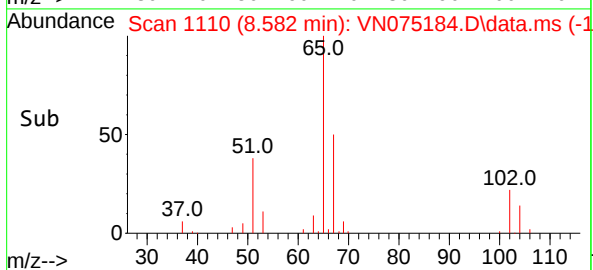
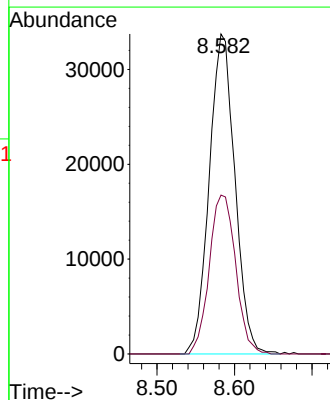
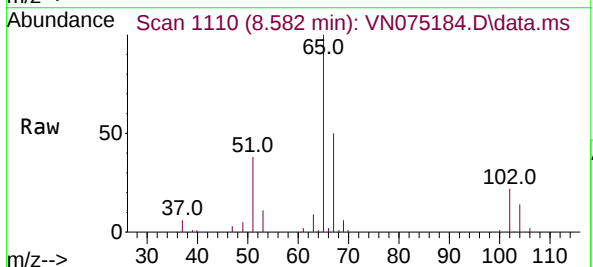
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

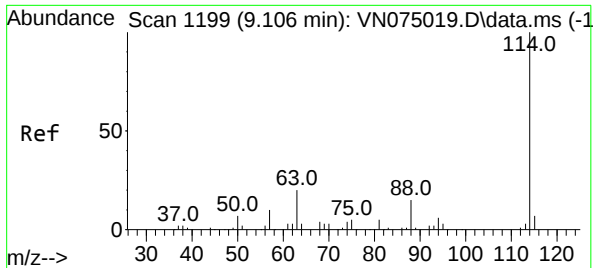
Tgt Ion: 56 Resp: 2725
Ion Ratio Lower Upper
56 100
69 82.6 25.2 37.8#
84 114.7 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 55.281 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 65 Resp: 77606
Ion Ratio Lower Upper
65 100
67 51.0 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: VN075184.D

Acq: 07 Nov 2022 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

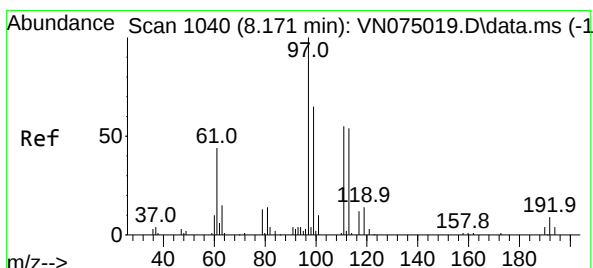
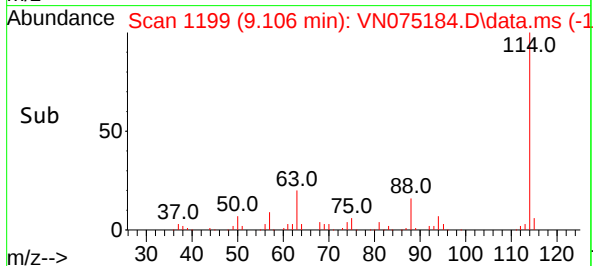
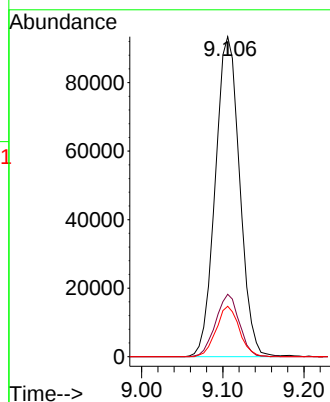
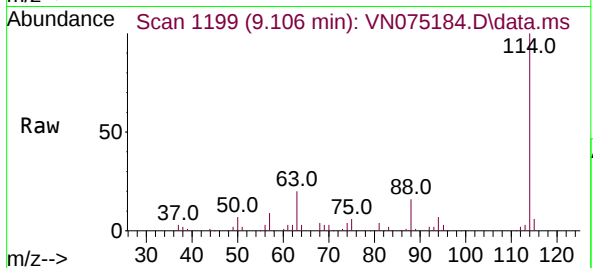
Tgt Ion:114 Resp: 194927

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.356 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

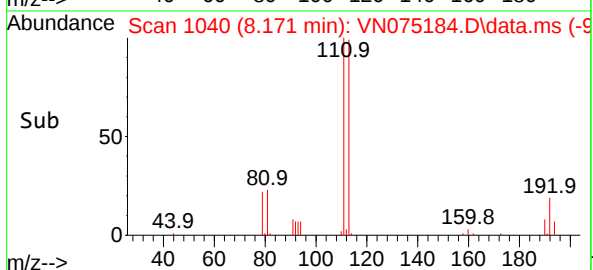
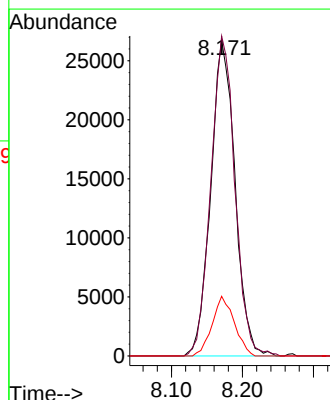
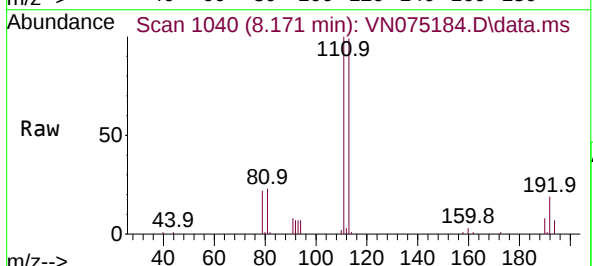
Tgt Ion:113 Resp: 63345

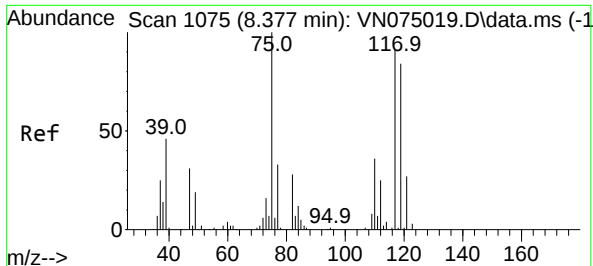
Ion Ratio Lower Upper

113 100

111 100.7 80.5 120.7

192 17.3 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.134 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

Instrument :

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ClientSampleId :

VN1107MBL01

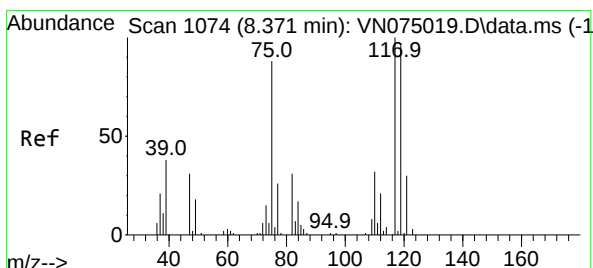
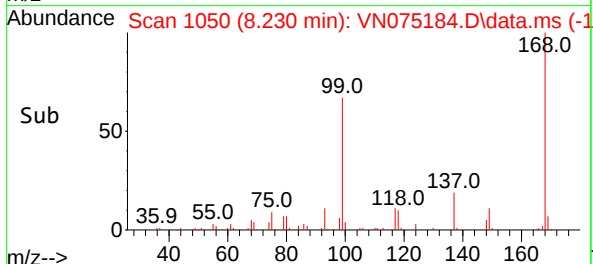
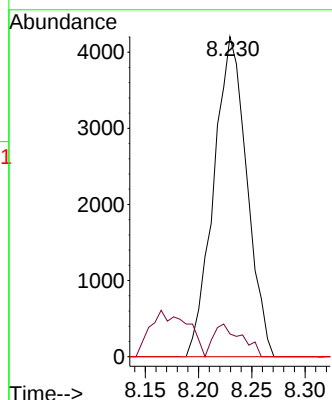
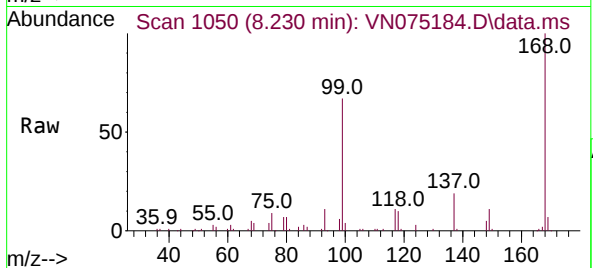
Tgt Ion: 75 Resp: 9096

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

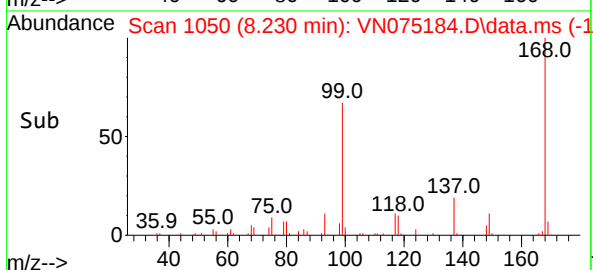
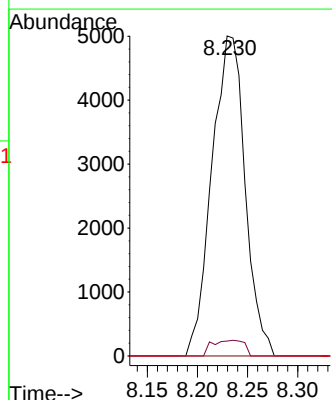
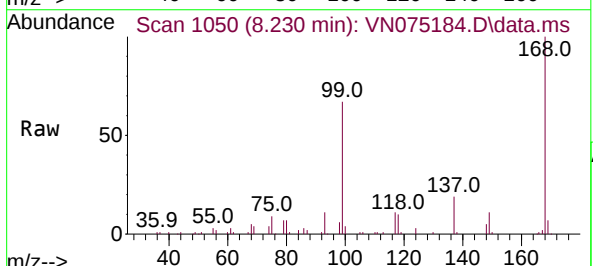
Tgt Ion: 117 Resp: 11527

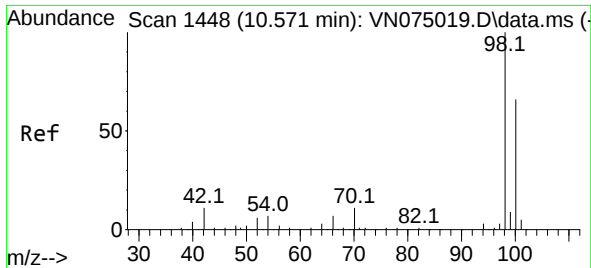
Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

121 0.0 23.9 35.9#

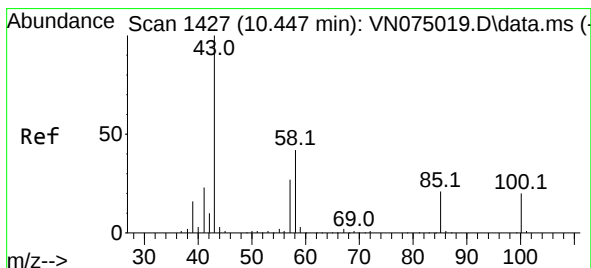
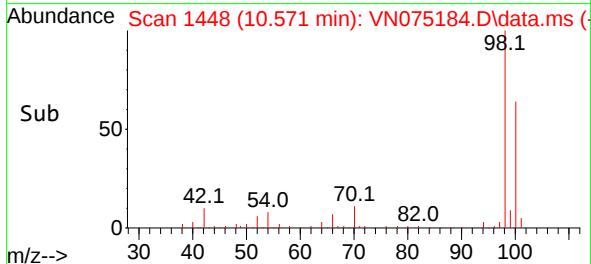
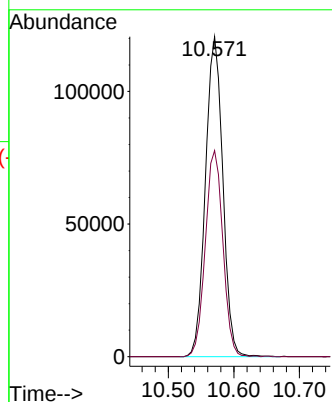
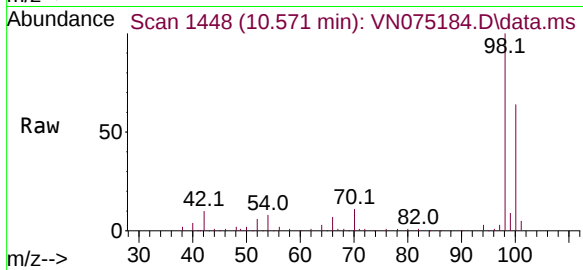




#50
Toluene-d8
Concen: 50.087 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

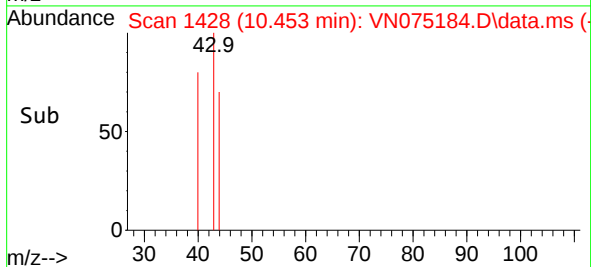
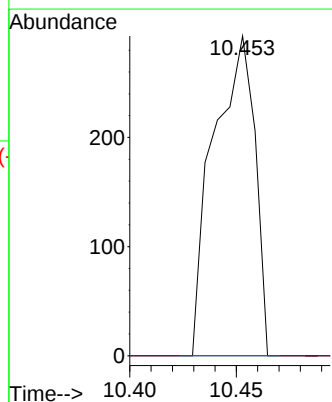
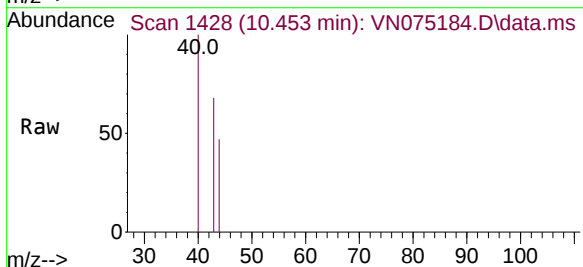
Instrument :
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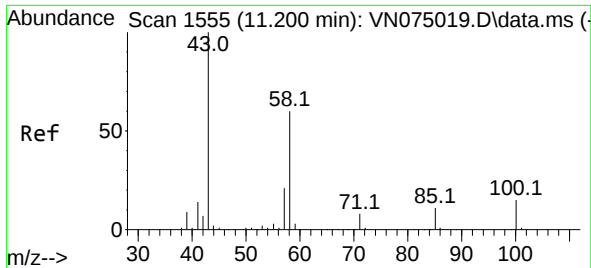
Tgt Ion: 98 Resp: 222367
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

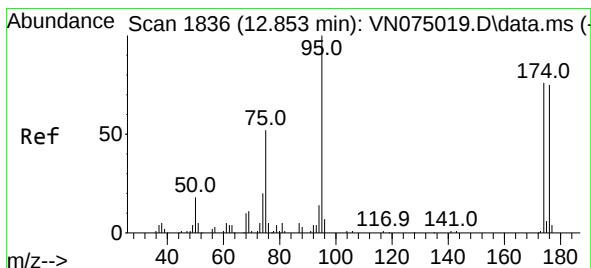
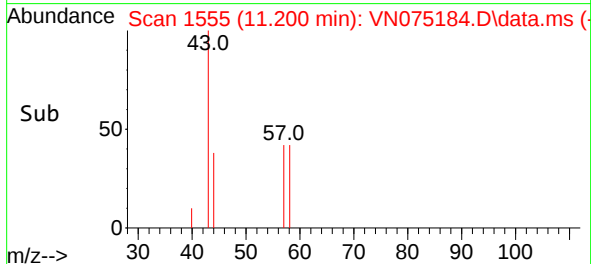
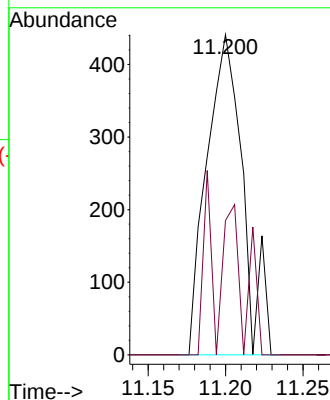
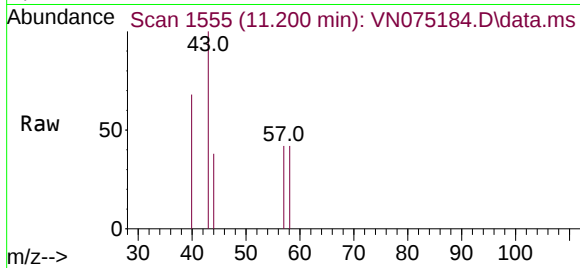




#59
2-Hexanone
Concen: 0.483 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

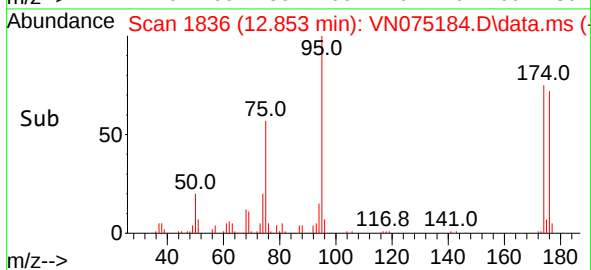
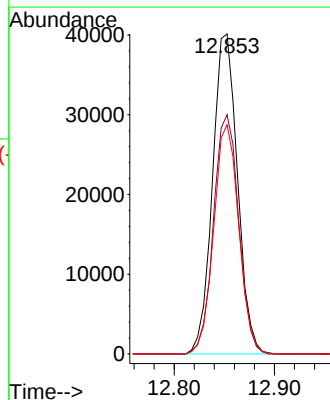
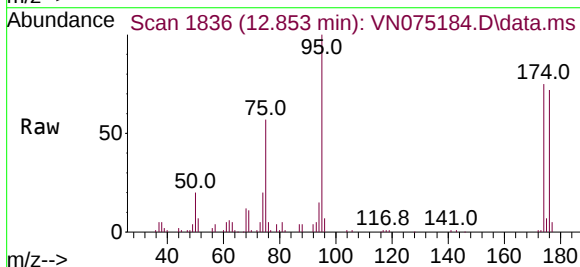
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

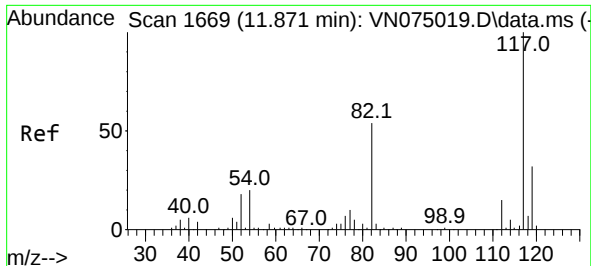
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 28.2 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 44.459 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 95 Resp: 69337
Ion Ratio Lower Upper
95 100
174 75.3 0.0 147.4
176 71.8 0.0 142.2

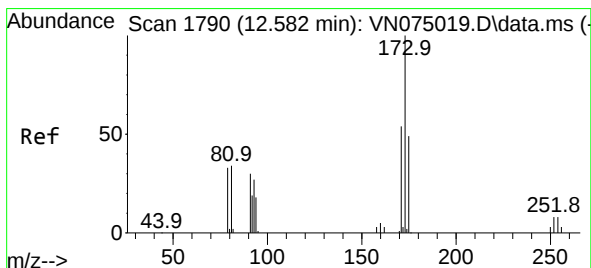
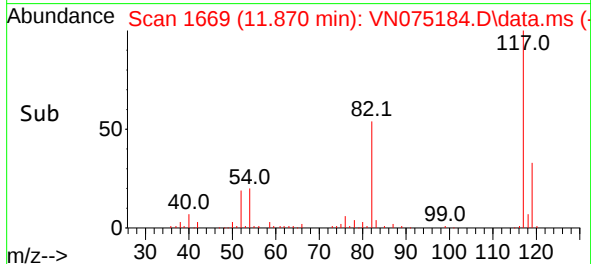
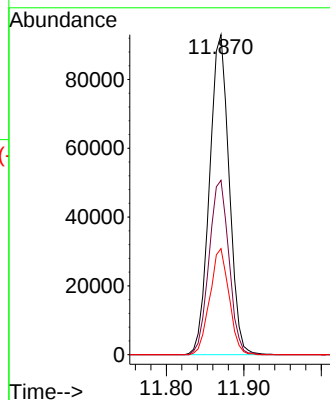
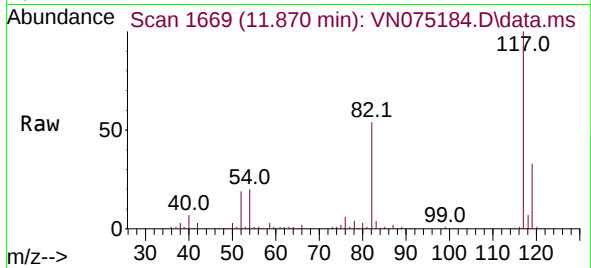




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

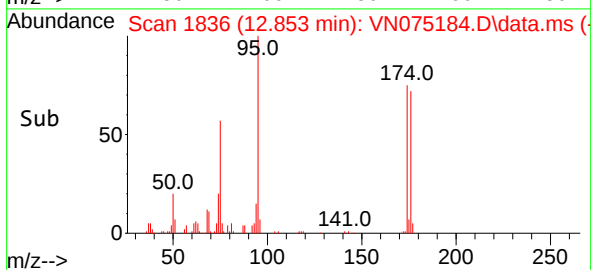
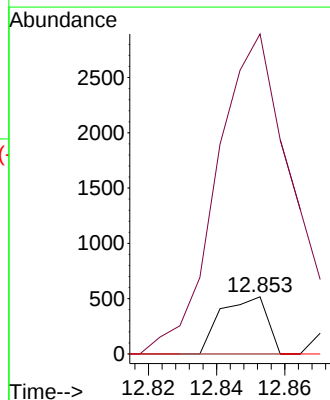
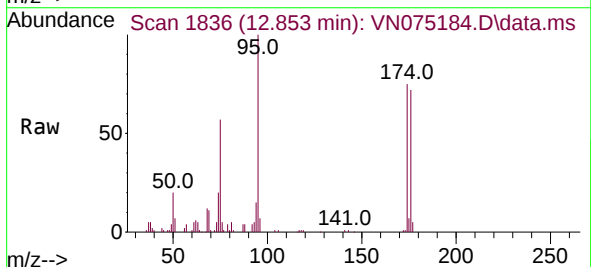
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

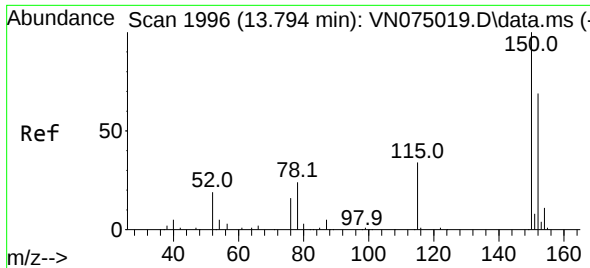
Tgt Ion:117 Resp: 163682
Ion Ratio Lower Upper
117 100
82 54.5 43.1 64.7
119 33.2 25.5 38.3



#71
Bromoform
Concen: 0.499 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion:173 Resp: 484
Ion Ratio Lower Upper
173 100
175 757.6 24.6 74.0#
254 0.0 0.0 0.0

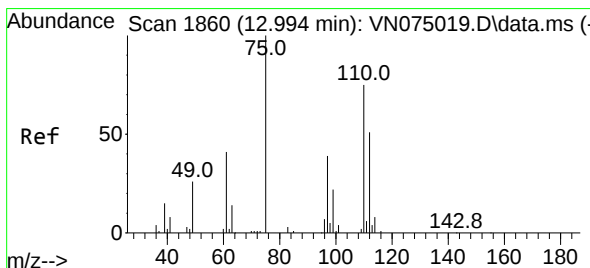
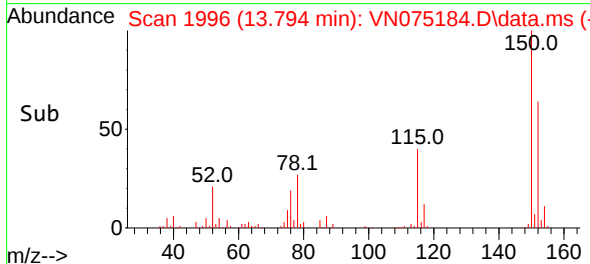
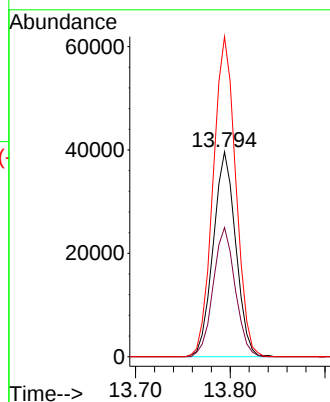
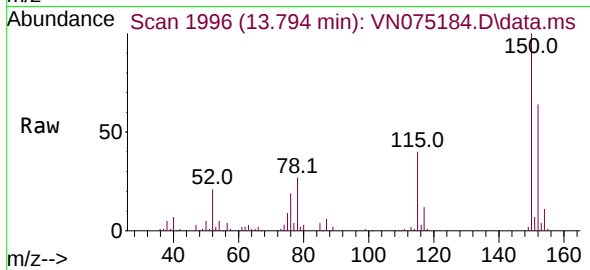




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075184.D
 Acq: 07 Nov 2022 13:30

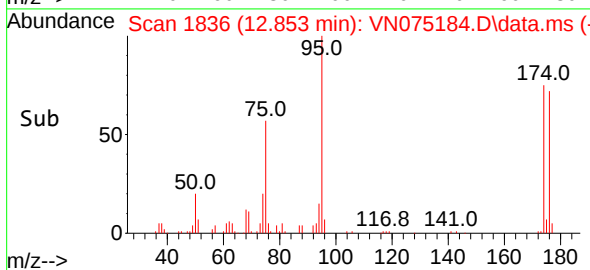
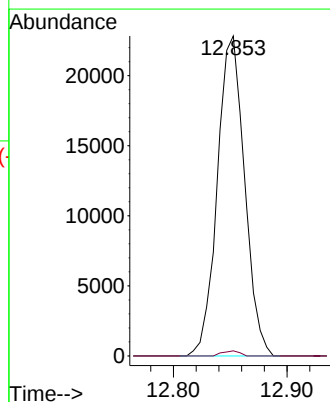
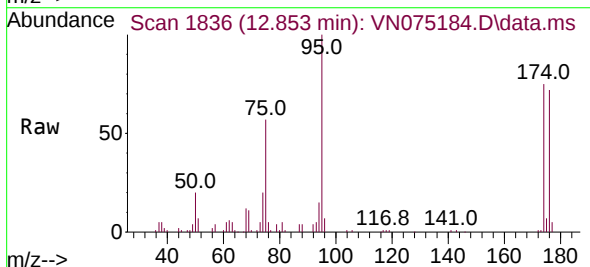
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

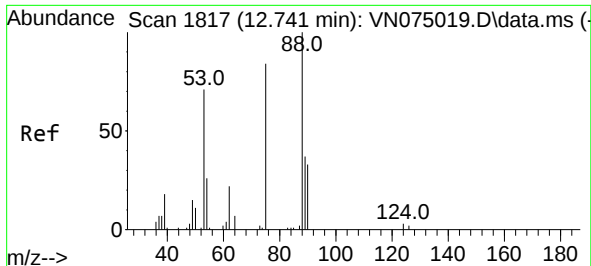
Tgt Ion:152 Resp: 65377
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.2 90.6
 150 157.2 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 27.416 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075184.D
 Acq: 07 Nov 2022 13:30

Tgt Ion: 75 Resp: 38057
 Ion Ratio Lower Upper
 75 100
 77 1.0 75.6 226.8#

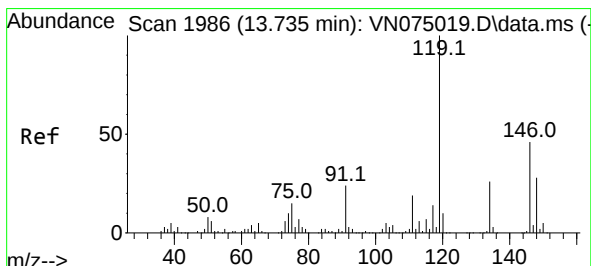
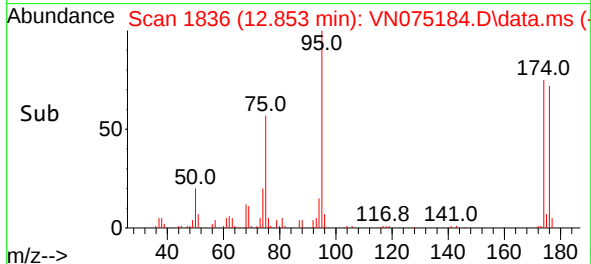
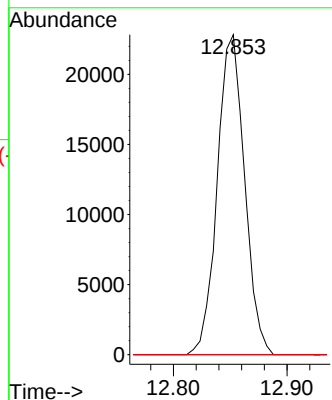
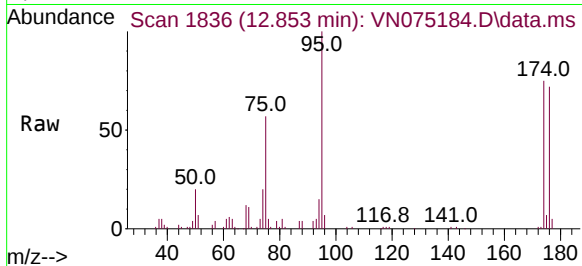




#81
trans-1,4-Dichloro-2-butene
Concen: 70.377 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

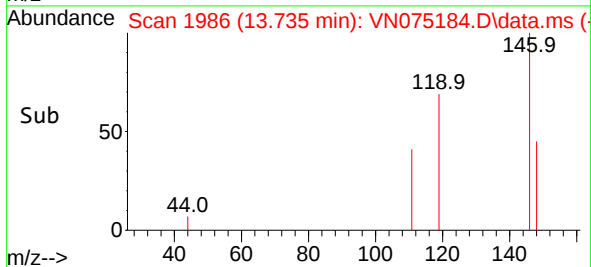
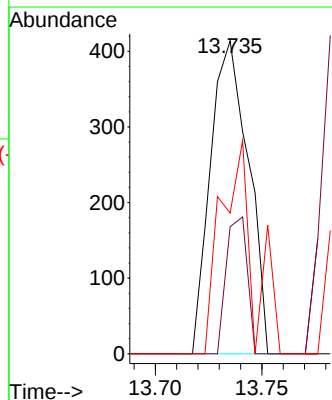
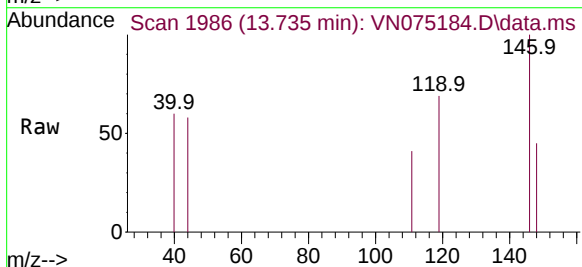
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

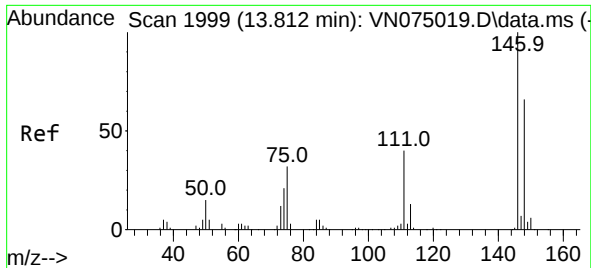
Tgt Ion: 75 Resp: 38057
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.226 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 146 Resp: 511
Ion Ratio Lower Upper
146 100
111 24.1 20.8 62.5
148 58.5 31.1 93.5

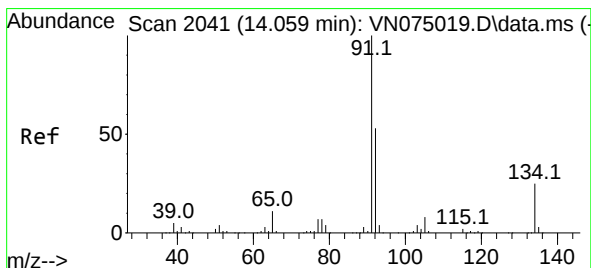
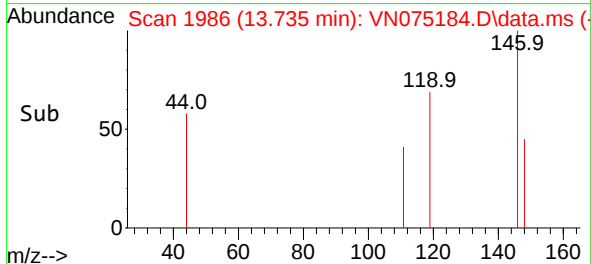
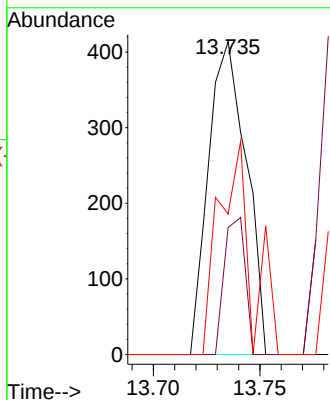
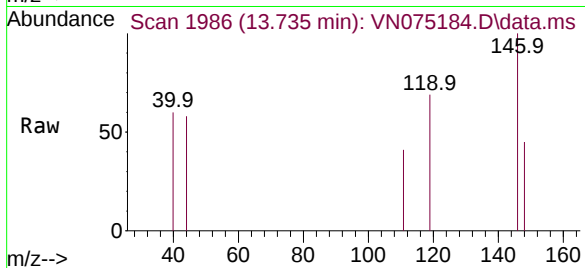




#88
1,4-Dichlorobenzene
Concen: 0.228 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

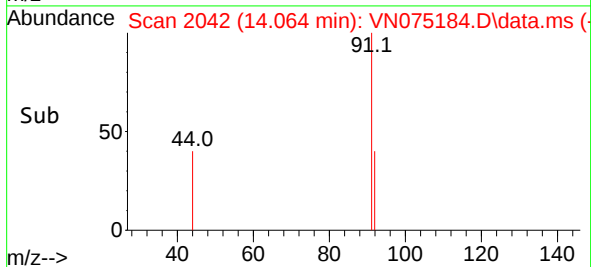
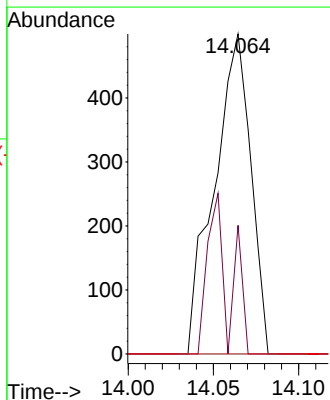
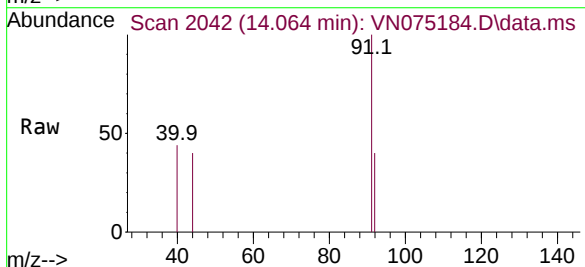
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

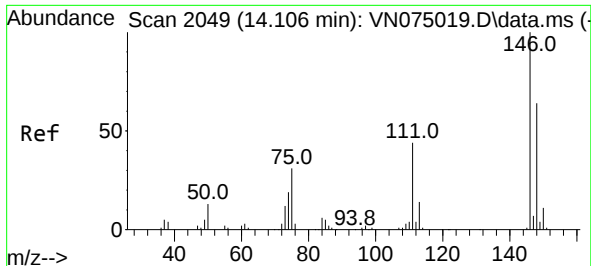
Tgt Ion:146 Resp: 511
Ion Ratio Lower Upper
146 100
111 24.1 20.1 60.3
148 58.5 31.9 95.7



#89
n-Butylbenzene
Concen: 0.205 ug/l
RT: 14.064 min Scan# 2042
Delta R.T. 0.005 min
Lab File: VN075184.D
Acq: 07 Nov 2022 13:30

Tgt Ion: 91 Resp: 746
Ion Ratio Lower Upper
91 100
92 29.8 26.5 79.4
134 0.0 13.0 39.0#





#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.005 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

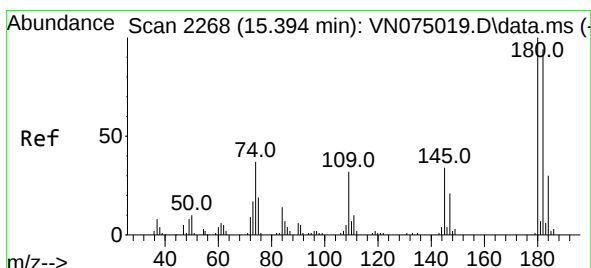
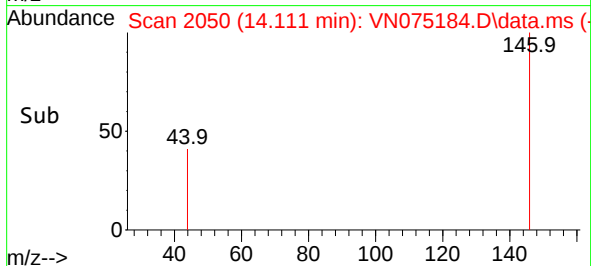
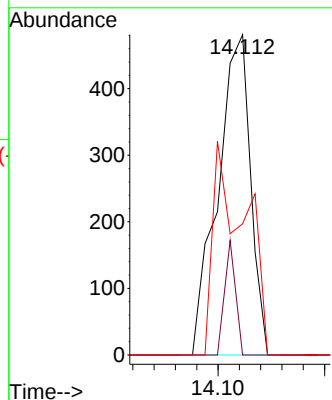
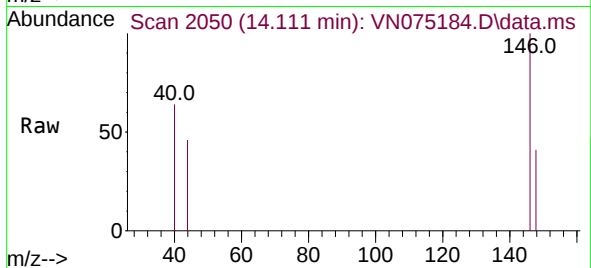
Tgt Ion:146 Resp: 514

Ion Ratio Lower Upper

146 100

111 11.9 21.3 63.9#

148 64.6 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.812 ug/l

RT: 15.400 min Scan# 2269

Delta R.T. 0.006 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

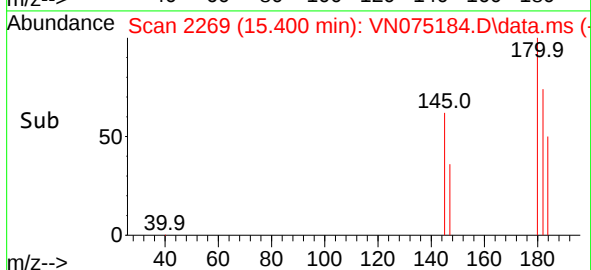
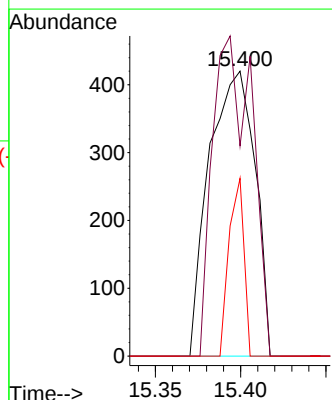
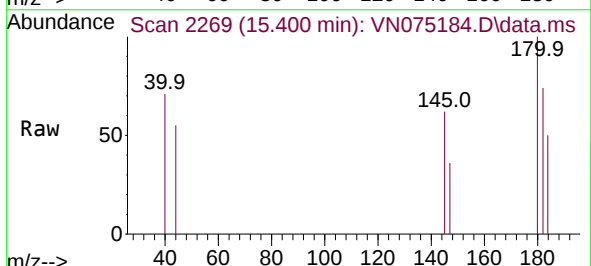
Tgt Ion:180 Resp: 786

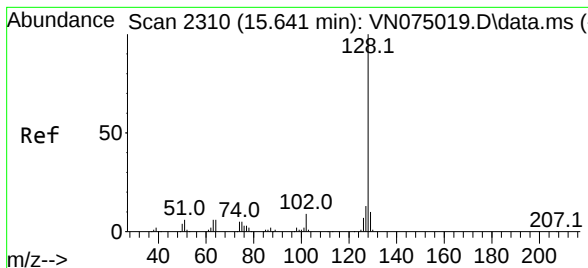
Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.4

145 20.4 16.8 50.3





#95

Naphthalene

Concen: 1.367 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

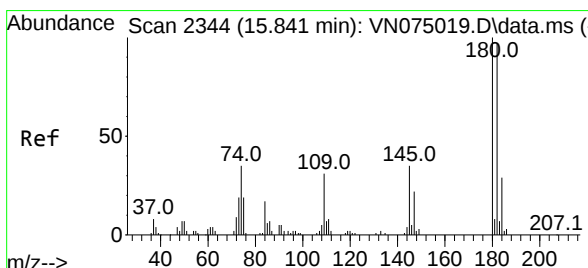
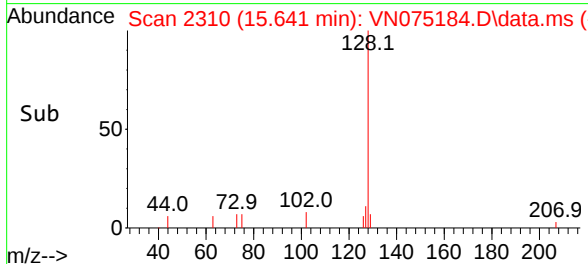
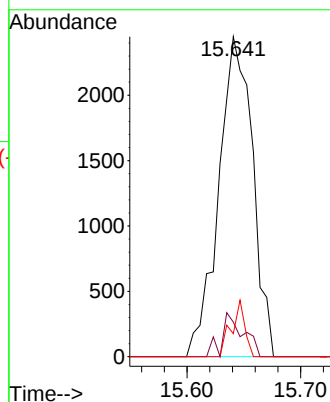
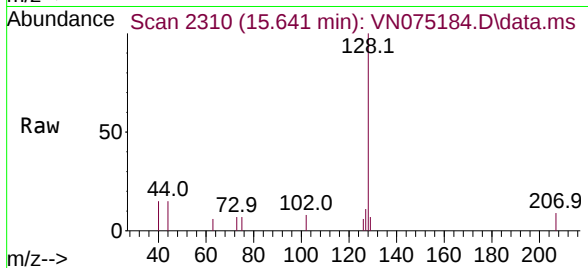
Tgt Ion:128 Resp: 5088

Ion Ratio Lower Upper

128 100

127 8.7 10.4 15.6#

129 7.0 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.068 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN075184.D

Acq: 07 Nov 2022 13:30

Tgt Ion:180 Resp: 1027

Ion Ratio Lower Upper

180 100

182 88.8 47.3 141.8

145 14.4 17.6 52.9#

