

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111522\
 Data File : VN075275.D
 Acq On : 15 Nov 2022 11:36
 Operator : JC\MD
 Sample : VN1115MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBL01

Quant Time: Nov 15 14:40:36 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)

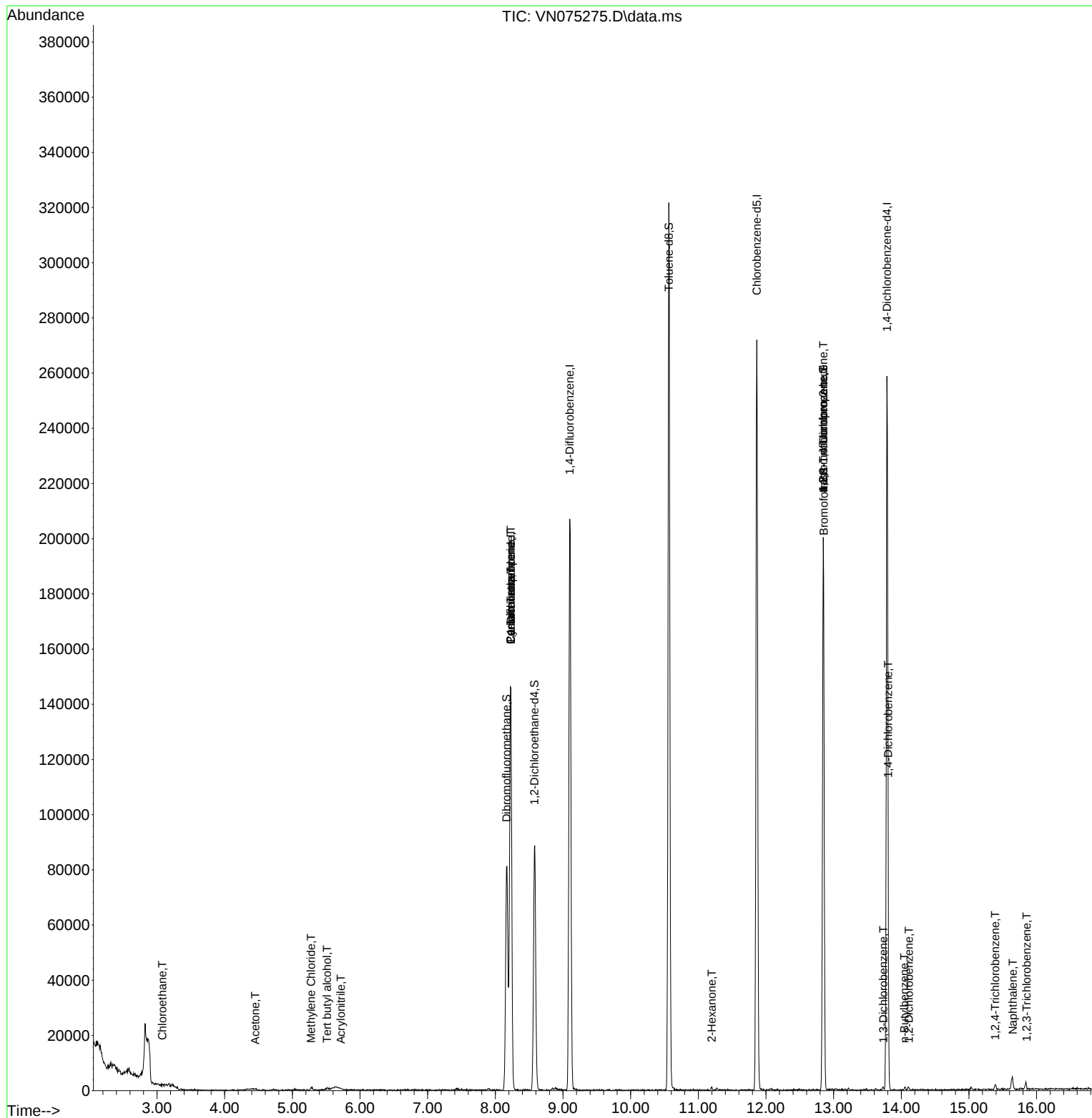
Internal Standards						
1) Pentafluorobenzene	8.230	168	107433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	193337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	164580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	68456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72230	49.899	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.800%			
35) Dibromofluoromethane	8.165	113	60320	53.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.565	98	224203	50.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.847	95	70625	45.657	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.320%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	357	Below Cal		84
6) Chloroethane	3.077	64	335	0.221 ug/l #		45
11) Tert butyl alcohol	5.512	59	133	0.394 ug/l #		72
15) Acrylonitrile	5.718	53	197	0.276 ug/l #		42
16) Acetone	4.453	43	203	0.331 ug/l #		43
20) Methylene Chloride	5.277	84	790	0.578 ug/l #		79
31) Cyclohexane	8.230	56	2607	1.211 ug/l #		43
36) 1,1-Dichloropropene	8.230	75	8979	5.110 ug/l #		50
38) Carbon Tetrachloride	8.230	117	11953	6.184 ug/l #		14
59) 2-Hexanone	11.200	43	618	0.422 ug/l		73
71) Bromoform	12.853	173	550	0.564 ug/l #		1
76) 1,2,3-Trichloropropane	12.847	75	36878	25.372 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	36878	65.129 ug/l #		10
87) 1,3-Dichlorobenzene	13.735	146	663	0.280 ug/l #		76
88) 1,4-Dichlorobenzene	13.806	146	853	0.364 ug/l #		48
89) n-Butylbenzene	14.047	91	812	0.213 ug/l		85
91) 1,2-Dichlorobenzene	14.112	146	569	0.242 ug/l		81
93) 1,2,4-Trichlorobenzene	15.388	180	790	0.779 ug/l		88
95) Naphthalene	15.647	128	5993	1.538 ug/l #		93
96) 1,2,3-Trichlorobenzene	15.853	180	1105	1.097 ug/l #		91

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

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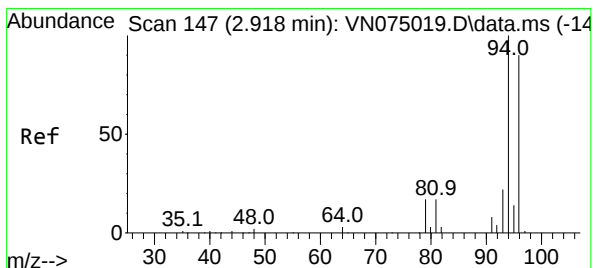
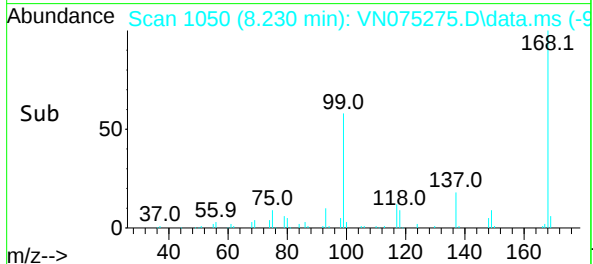
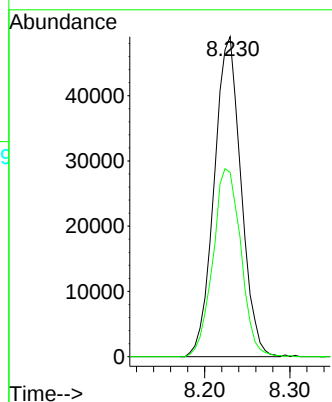
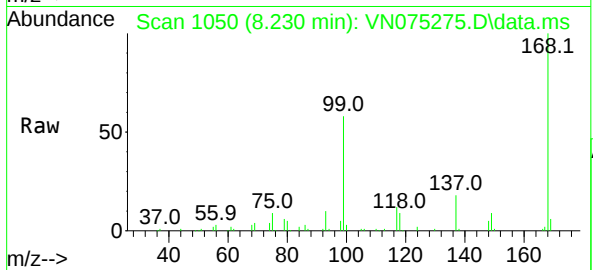




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

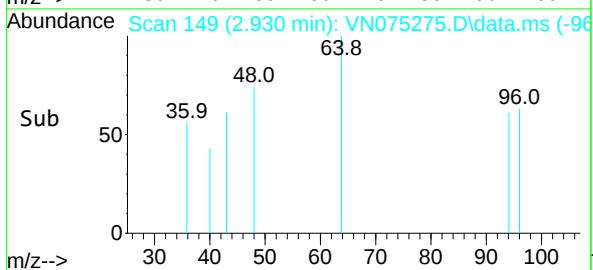
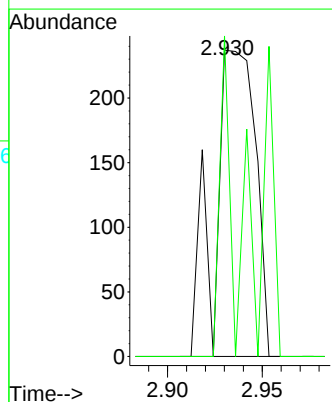
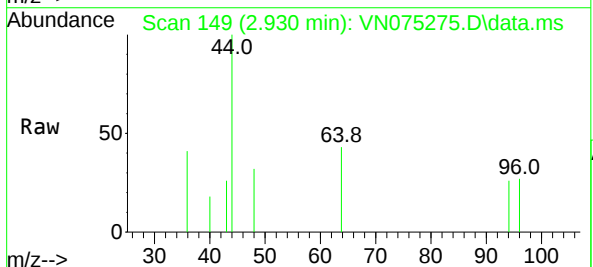
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

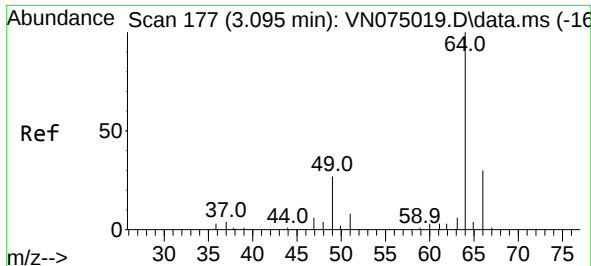
Tgt Ion:168 Resp: 107433
Ion Ratio Lower Upper
168 100
99 57.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion: 94 Resp: 357
Ion Ratio Lower Upper
94 100
96 104.6 71.8 107.6

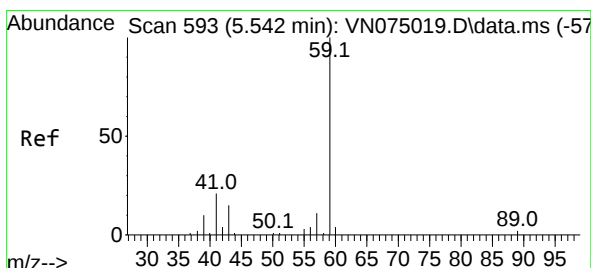
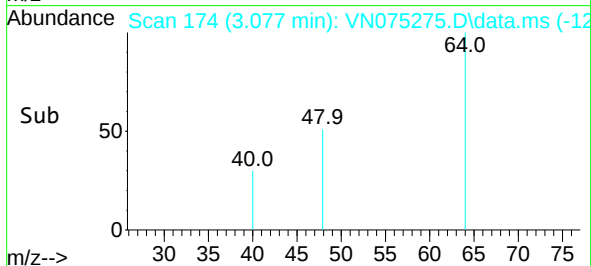
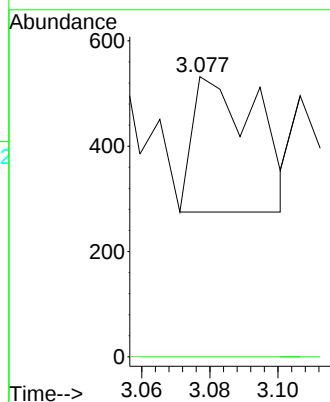
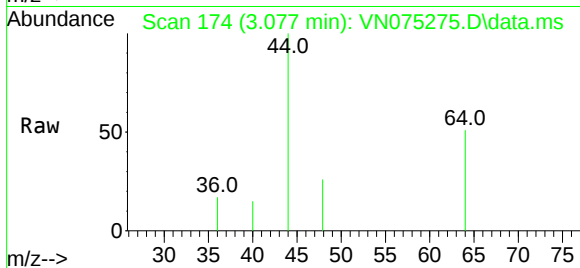




#6
Chloroethane
Concen: 0.221 ug/l
RT: 3.077 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

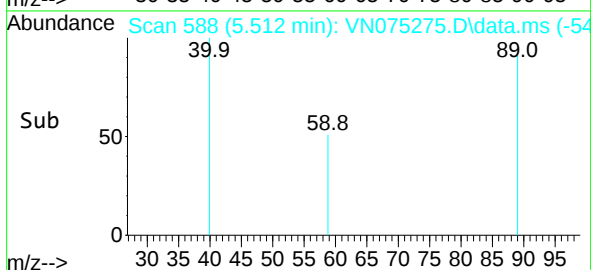
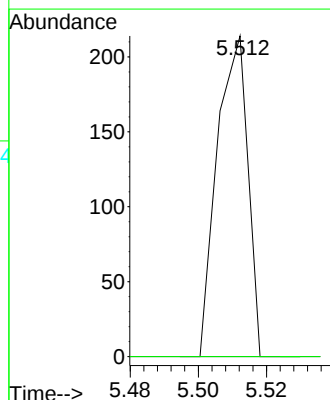
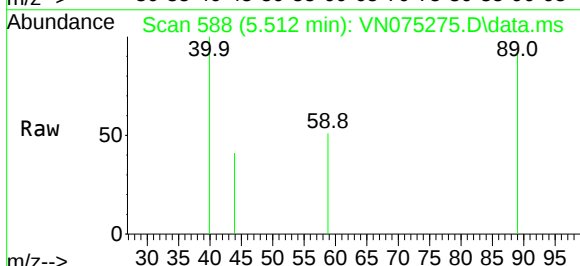
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

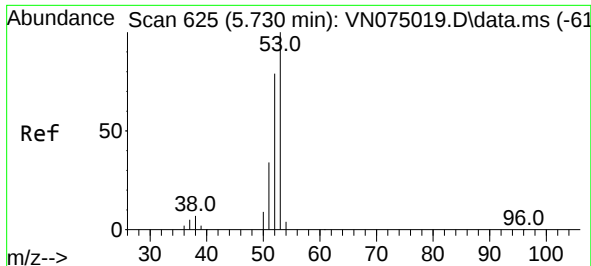
Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.394 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 5.718 min Scan# 61

Delta R.T. -0.012 min

Lab File: VN075275.D

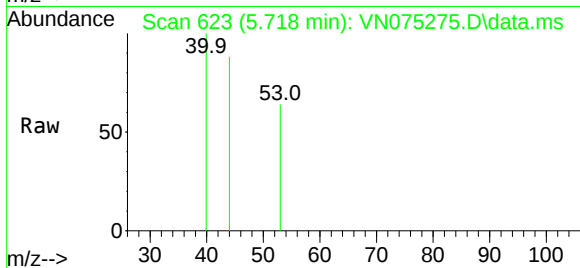
Acq: 15 Nov 2022 11:36

Instrument :

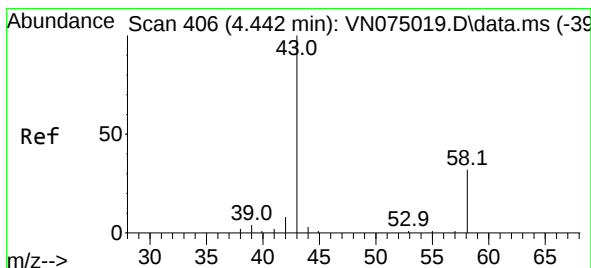
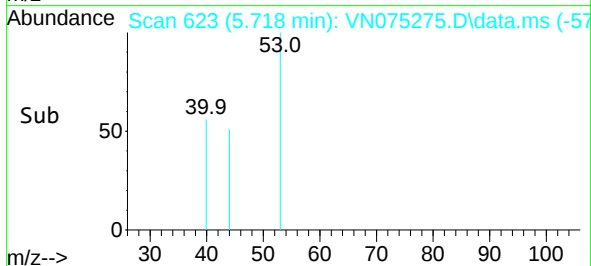
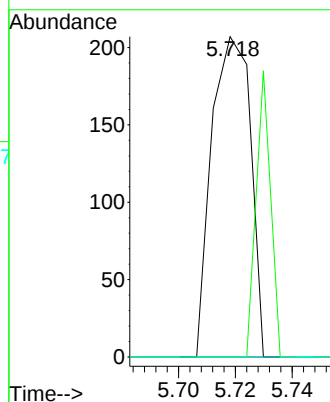
MSVOA_N

ClientSampleId :

VN1115MBL01



Tgt Ion:	53	Resp:	197
Ion	Ratio	Lower	Upper
53	100		
52	33.0	66.4	99.6#
51	0.0	29.6	44.4#



#16

Acetone

Concen: 0.331 ug/l

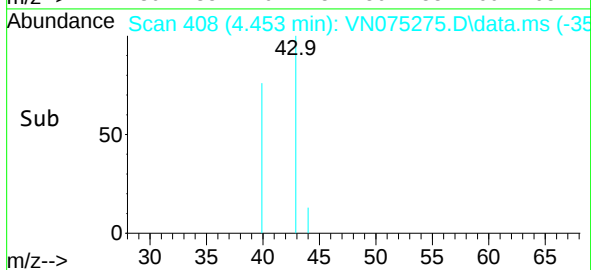
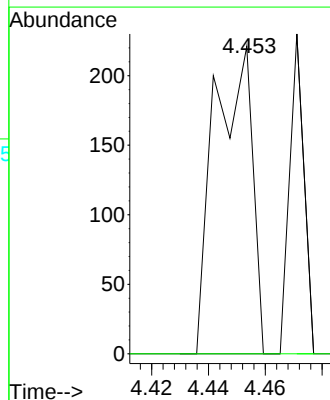
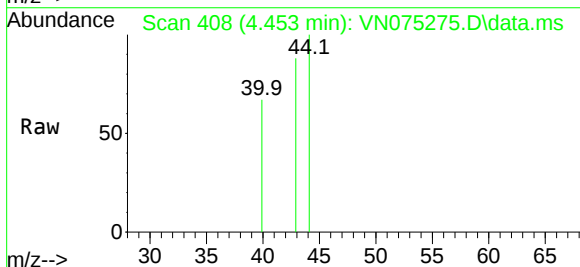
RT: 4.453 min Scan# 408

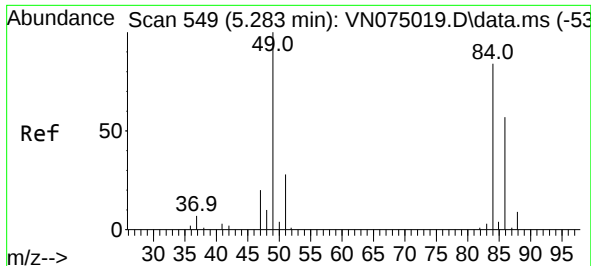
Delta R.T. 0.011 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

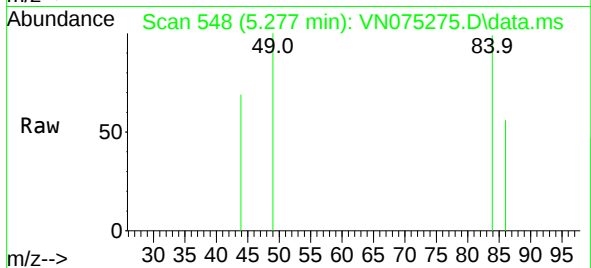
Tgt Ion:	43	Resp:	203
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.5	38.3#



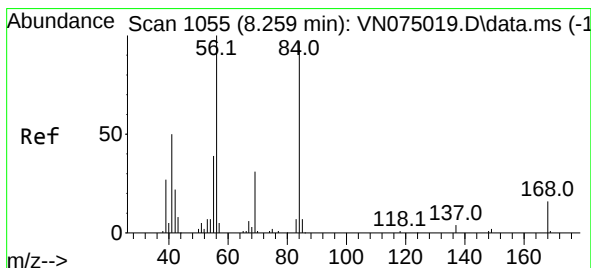
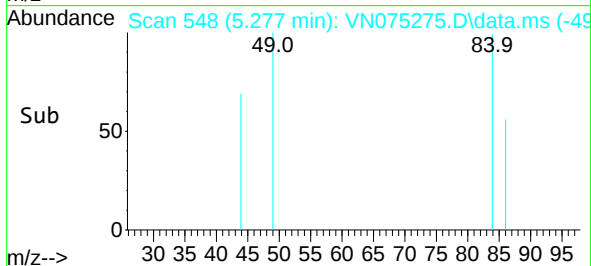
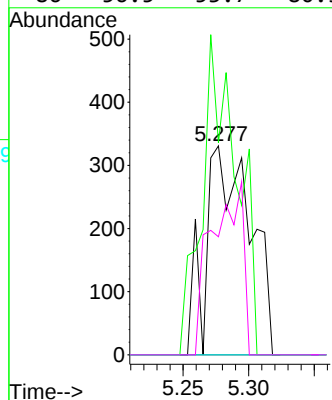


#20
Methylene Chloride
Concen: 0.578 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

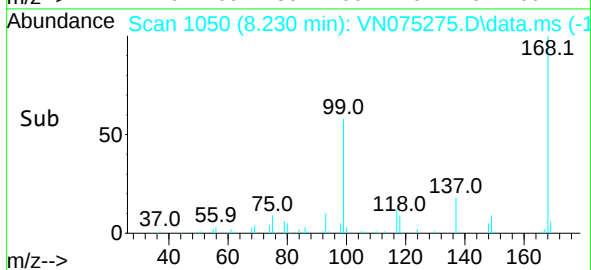
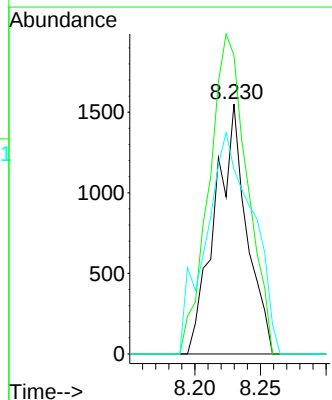
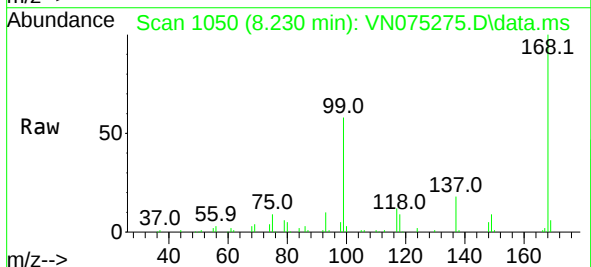


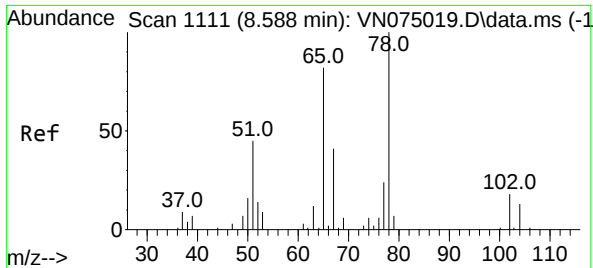
Tgt Ion	84	Resp:	790
Ion	Ratio	Lower	Upper
84	100		
49	101.5	94.9	142.3
51	0.0	26.8	40.2#
86	56.5	53.7	80.5



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion	56	Resp:	2607
Ion	Ratio	Lower	Upper
56	100		
69	119.5	25.2	37.8#
84	73.9	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.899 ug/l

RT: 8.577 min Scan# 1109

Delta R.T. -0.011 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Instrument :

MSVOA_N

ClientSampleId :

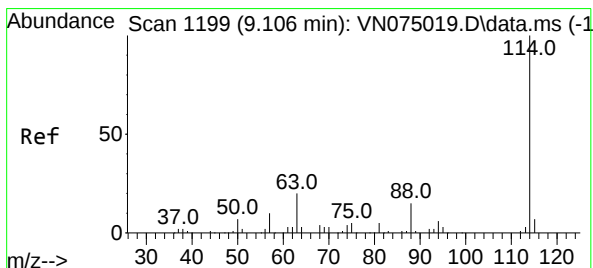
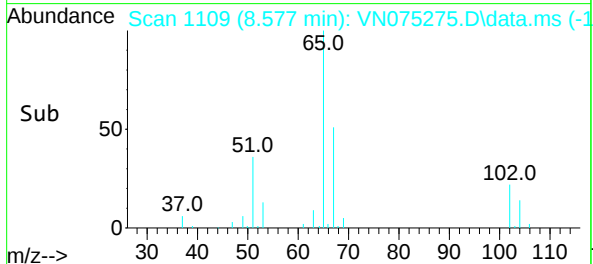
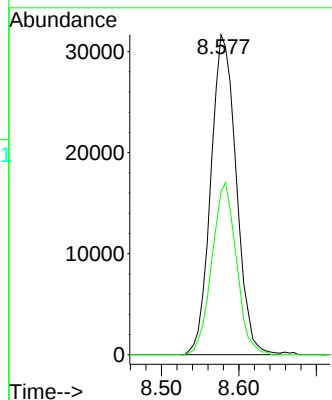
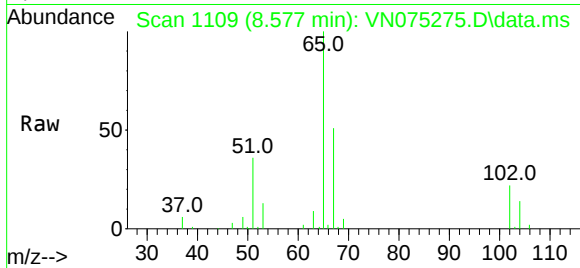
VN1115MBL01

Tgt Ion: 65 Resp: 72230

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

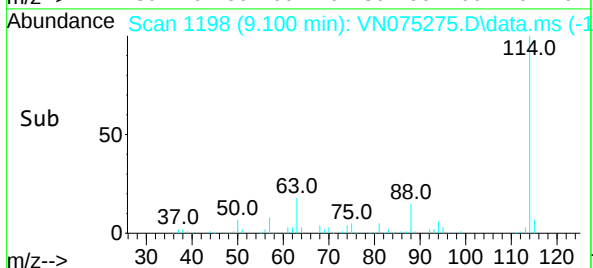
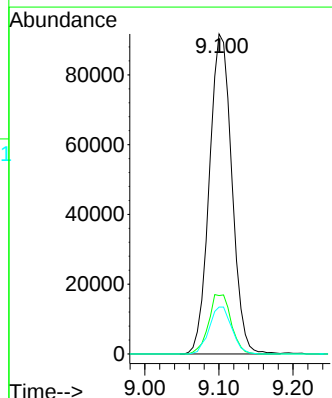
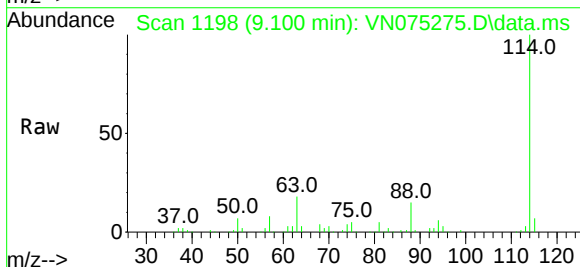
Tgt Ion: 114 Resp: 193337

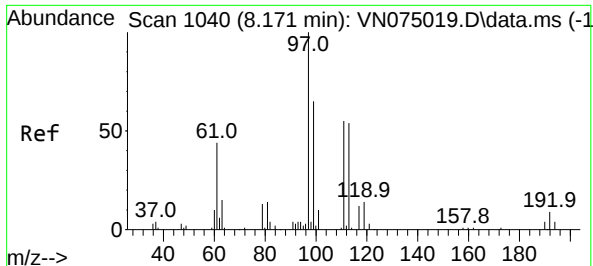
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.146 ug/l

RT: 8.165 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

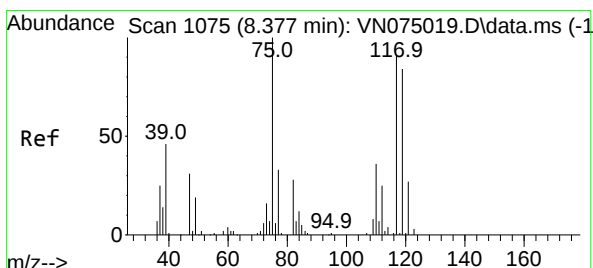
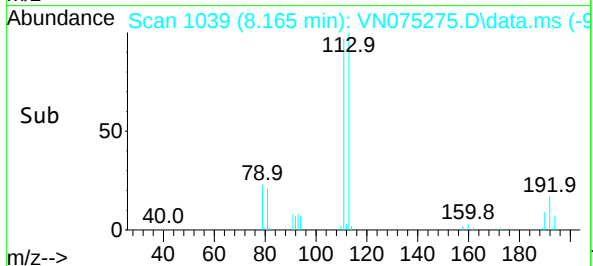
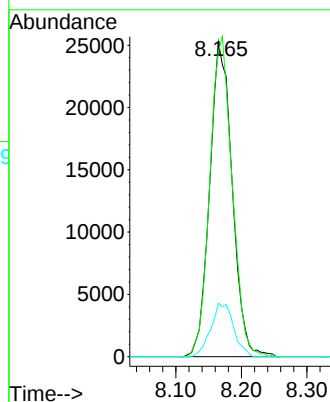
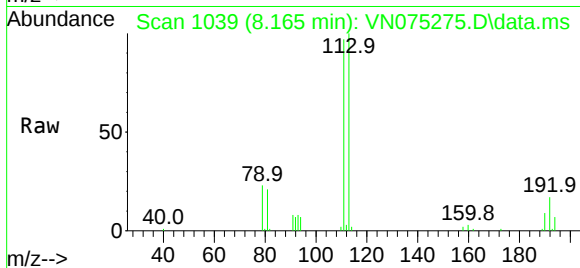
Tgt Ion:113 Resp: 60320

Ion Ratio Lower Upper

113 100

111 100.7 80.5 120.7

192 17.2 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

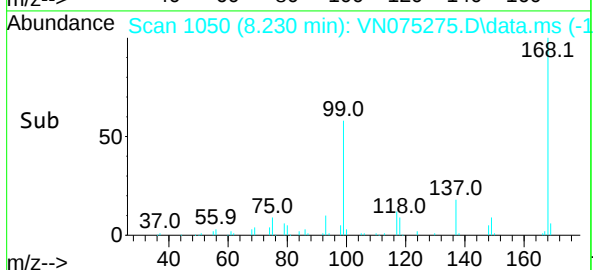
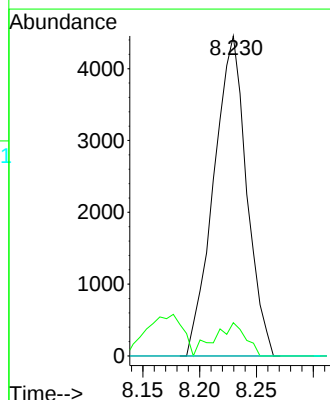
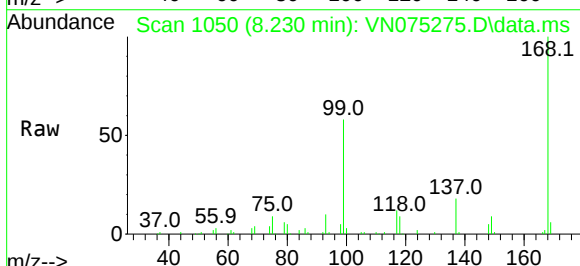
Tgt Ion: 75 Resp: 8979

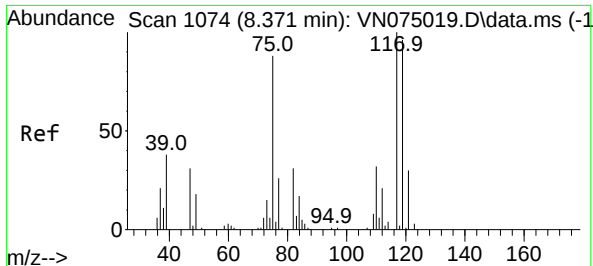
Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

77 0.0 24.6 37.0#

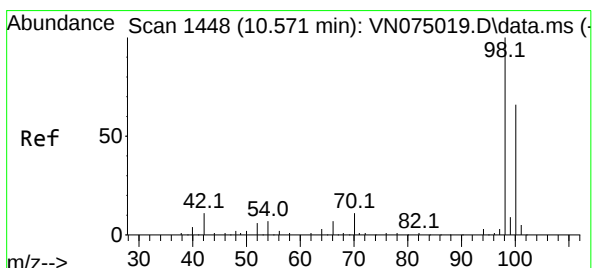
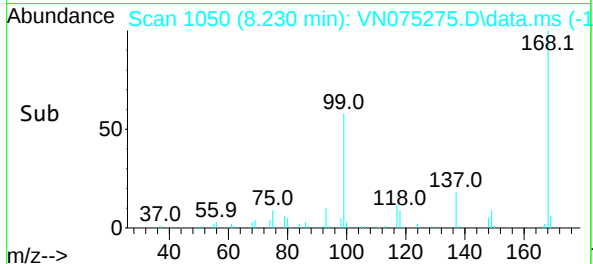
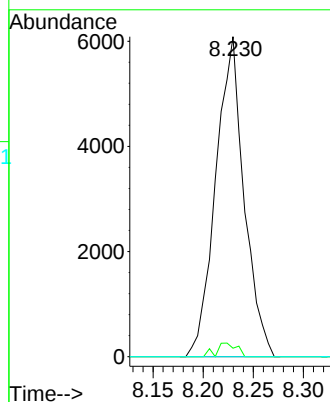
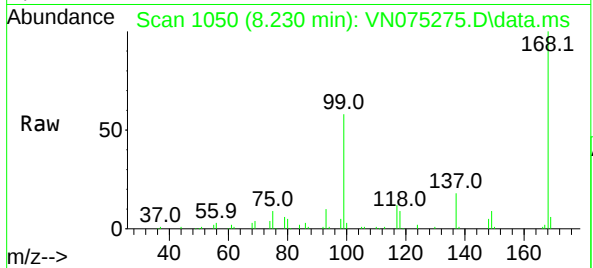




#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

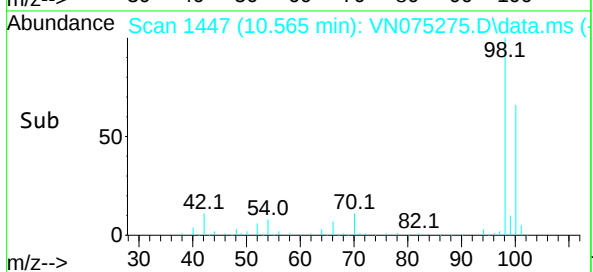
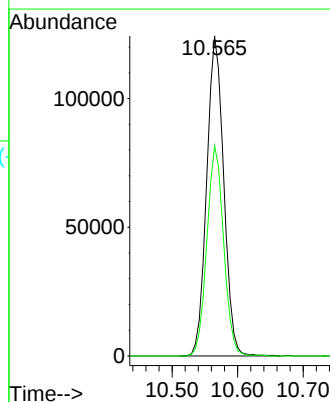
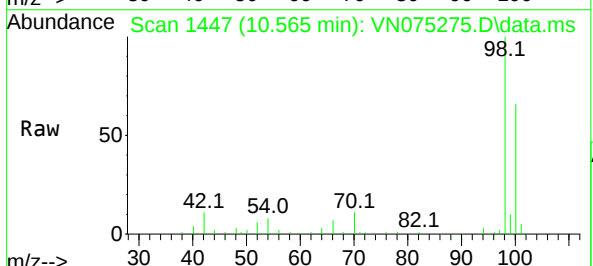
Instrument :
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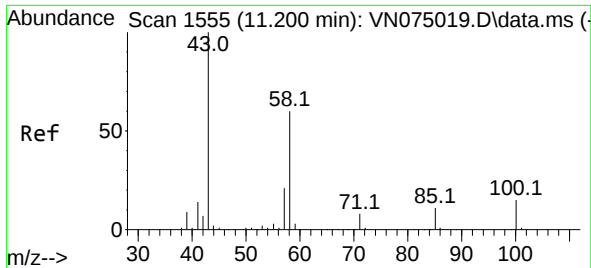
Tgt Ion:117 Resp: 11953
Ion Ratio Lower Upper
117 100
119 2.7 76.7 115.1#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 50.915 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion: 98 Resp: 224203
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6

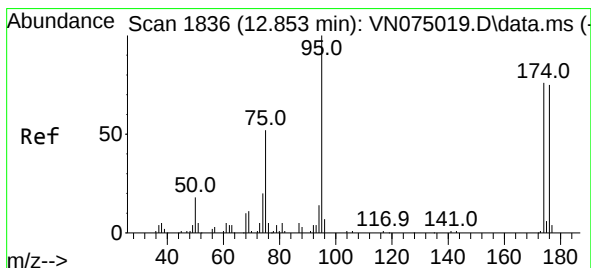
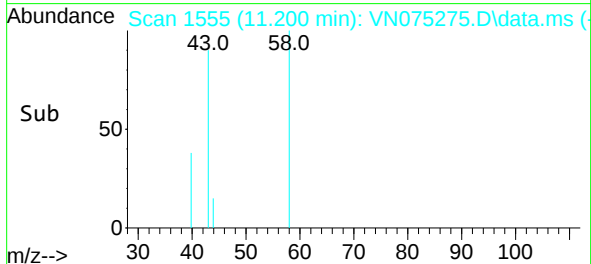
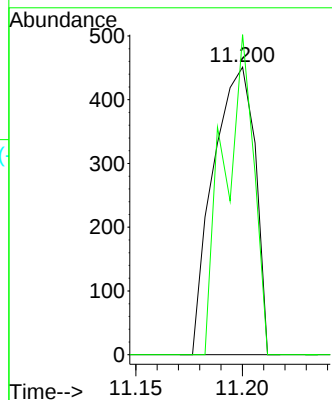
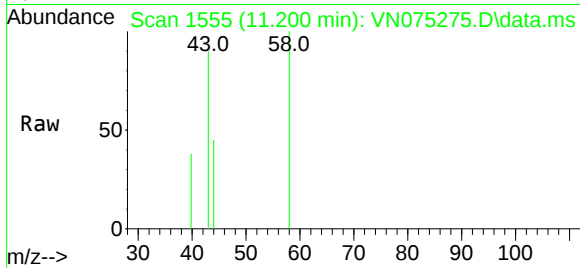




#59
2-Hexanone
Concen: 0.422 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

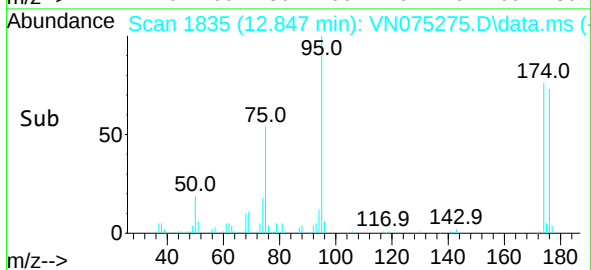
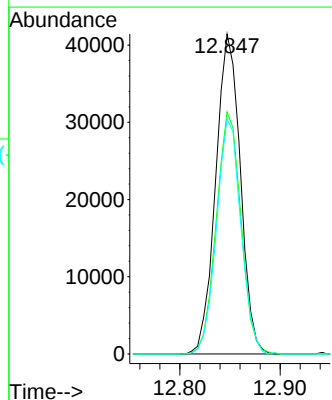
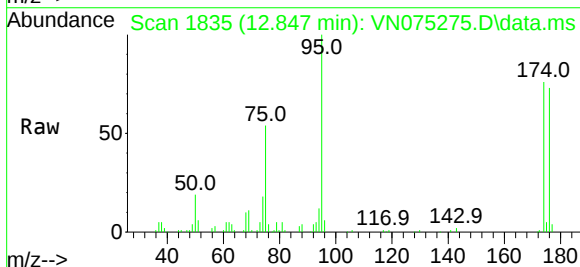
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

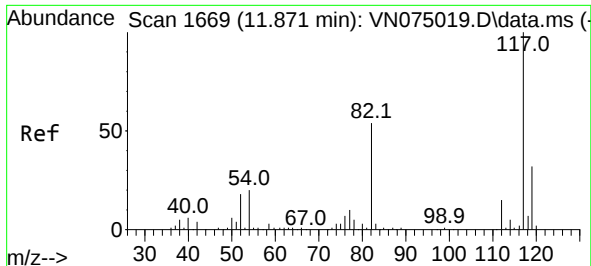
Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 79.1 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 45.657 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion: 95 Resp: 70625
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.4
176 72.7 0.0 142.2

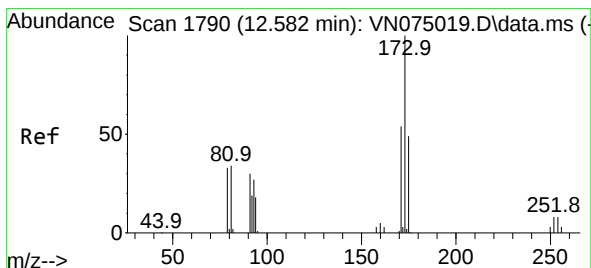
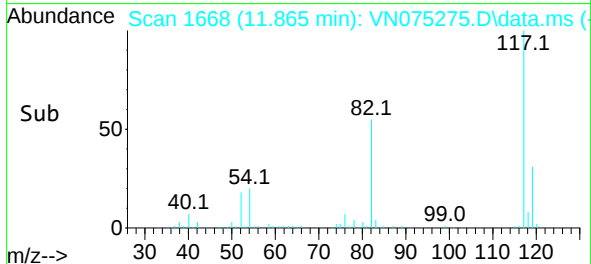
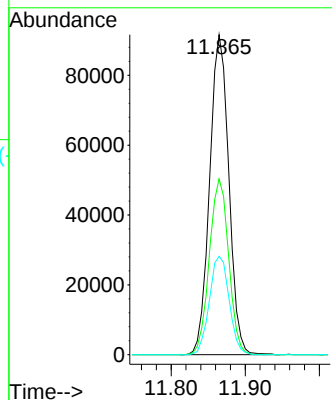
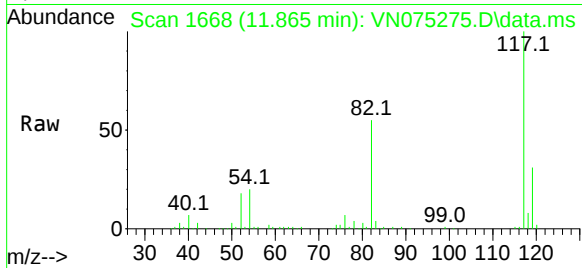




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

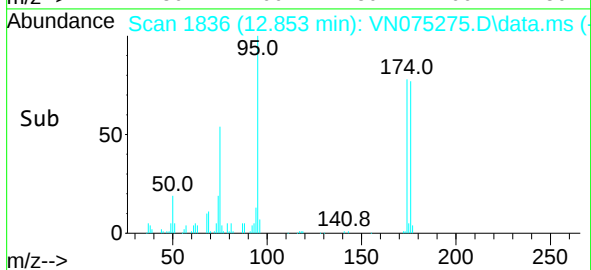
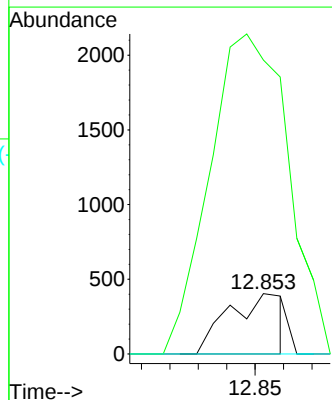
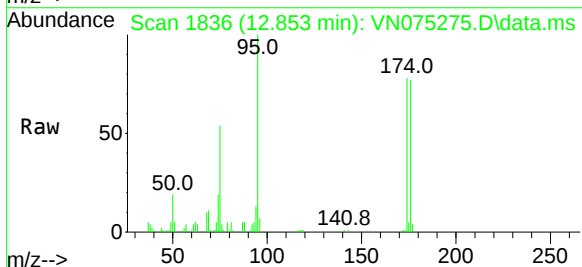
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

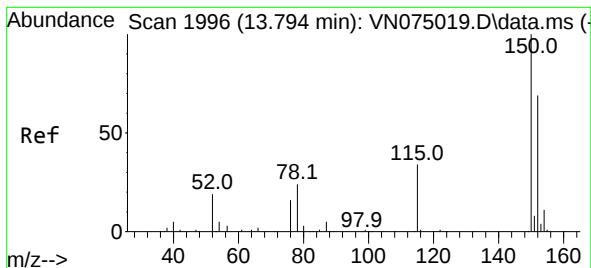
Tgt Ion:117 Resp: 164580
Ion Ratio Lower Upper
117 100
82 54.9 43.1 64.7
119 30.8 25.5 38.3



#71
Bromoform
Concen: 0.564 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion:173 Resp: 550
Ion Ratio Lower Upper
173 100
175 667.6 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

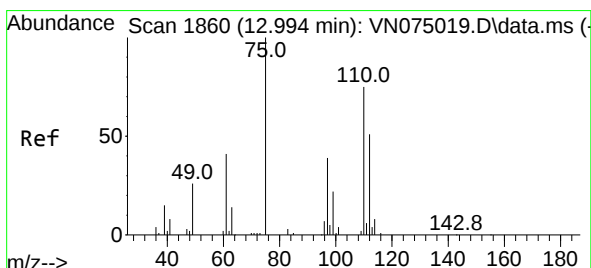
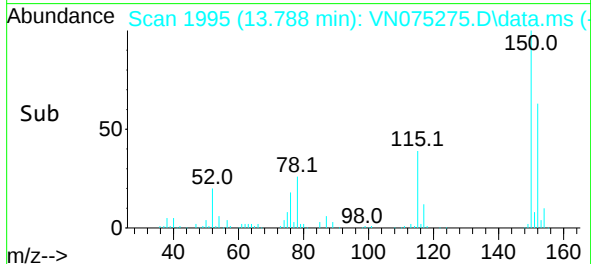
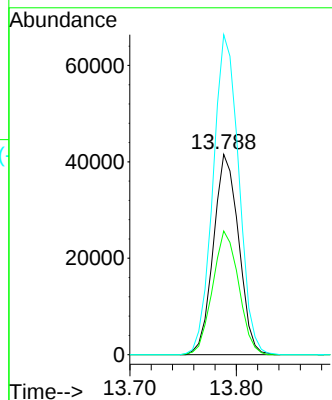
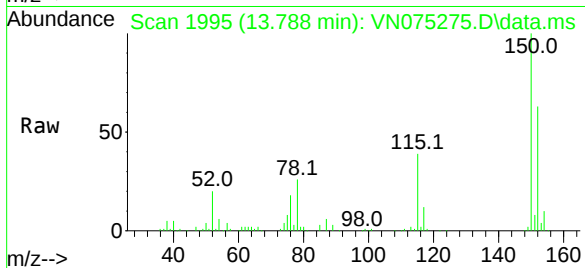
Tgt Ion:152 Resp: 68456

Ion Ratio Lower Upper

152 100

115 63.8 30.2 90.6

150 163.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 25.372 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075275.D

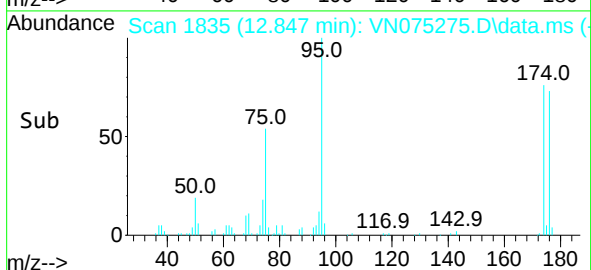
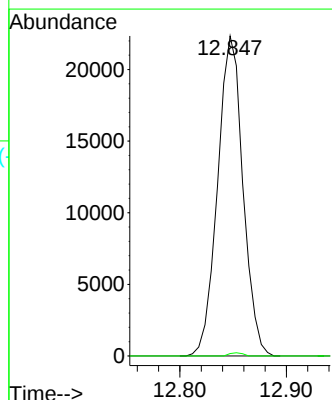
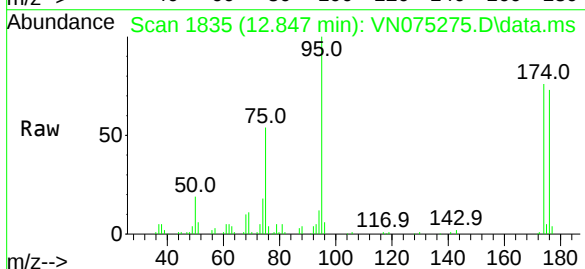
Acq: 15 Nov 2022 11:36

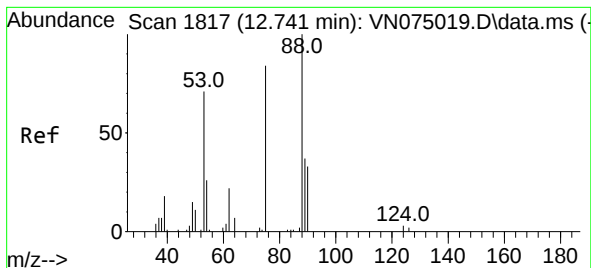
Tgt Ion: 75 Resp: 36878

Ion Ratio Lower Upper

75 100

77 0.5 75.6 226.8#

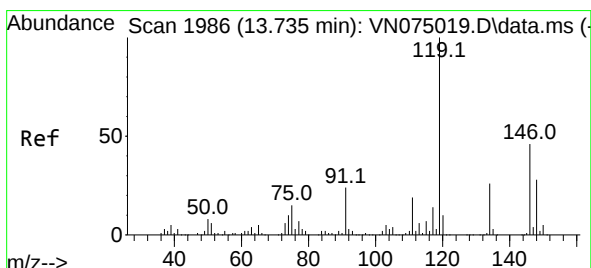
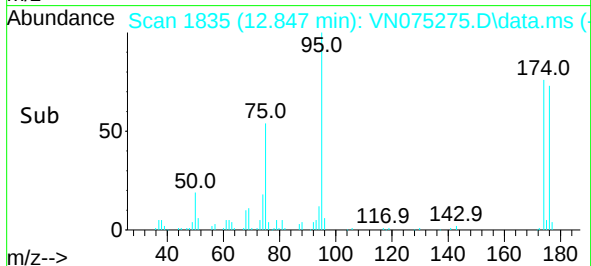
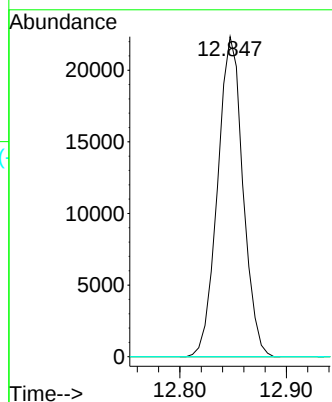
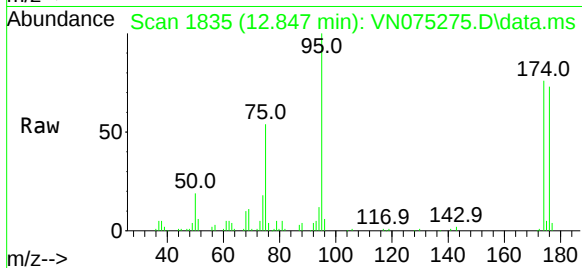




#81
trans-1,4-Dichloro-2-butene
Concen: 65.129 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

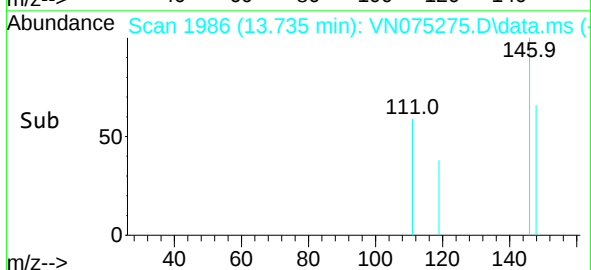
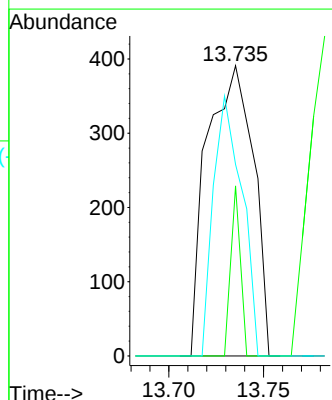
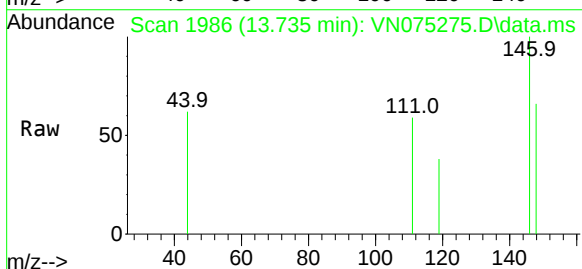
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

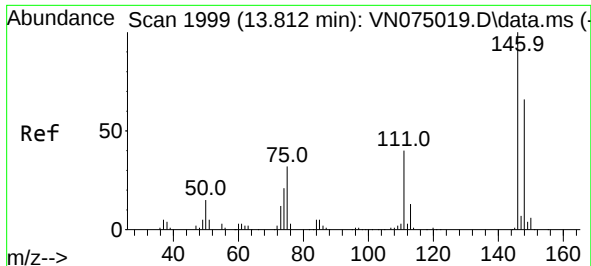
Tgt Ion: 75 Resp: 36878
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion:146 Resp: 663
Ion Ratio Lower Upper
146 100
111 12.2 20.8 62.5#
148 55.2 31.1 93.5

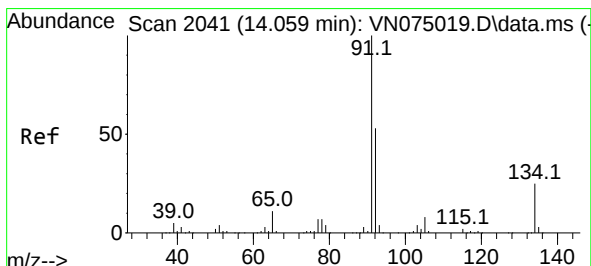
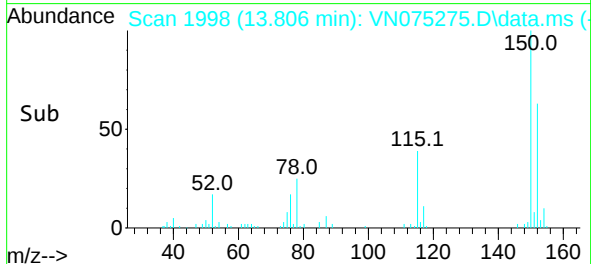
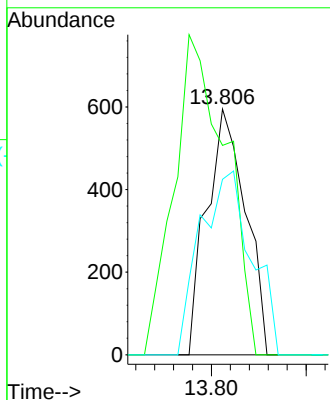
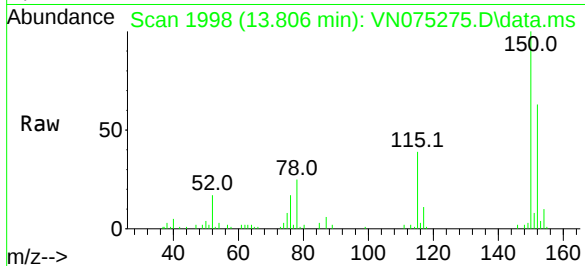




#88
1,4-Dichlorobenzene
Concen: 0.364 ug/l
RT: 13.806 min Scan# 1999
Delta R.T. -0.006 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

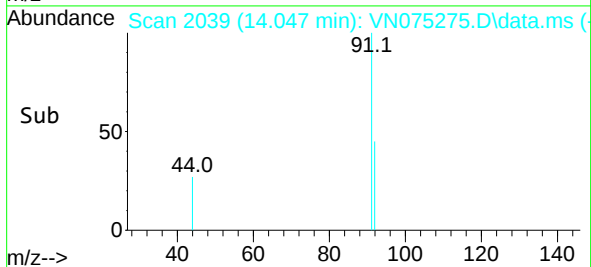
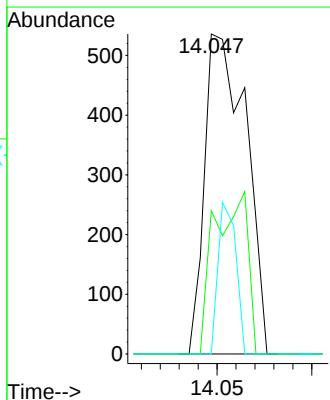
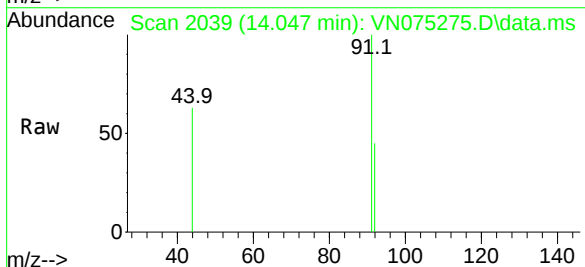
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

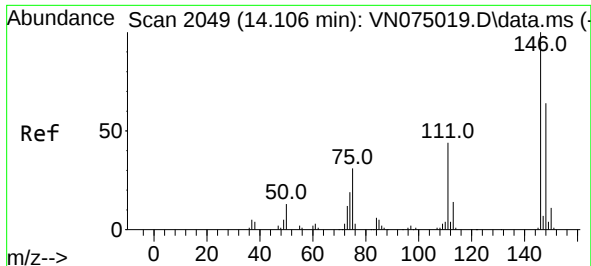
Tgt Ion:146 Resp: 853
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 98.1 31.9 95.7#



#89
n-Butylbenzene
Concen: 0.213 ug/l
RT: 14.047 min Scan# 2039
Delta R.T. -0.012 min
Lab File: VN075275.D
Acq: 15 Nov 2022 11:36

Tgt Ion: 91 Resp: 812
Ion Ratio Lower Upper
91 100
92 40.9 26.5 79.4
134 20.4 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.242 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

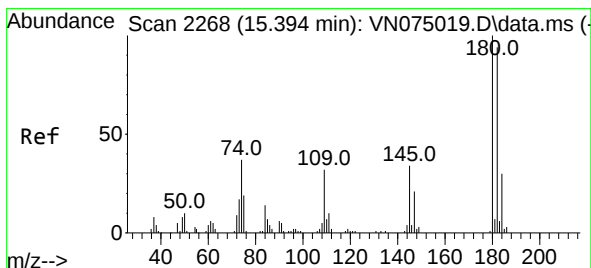
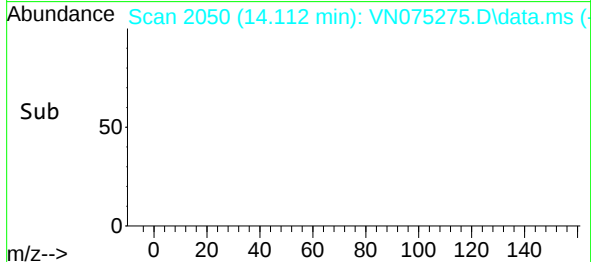
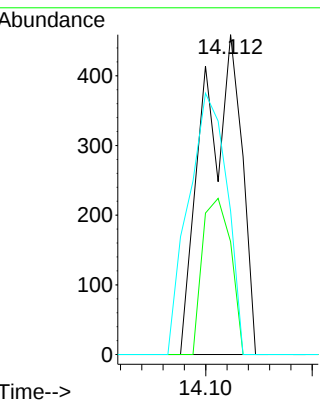
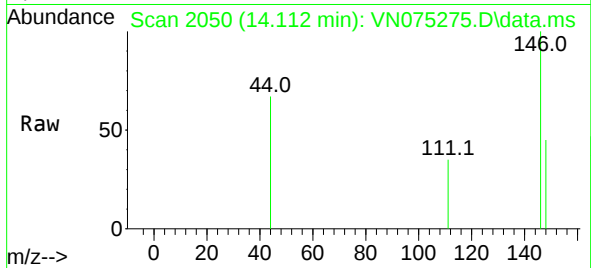
Tgt Ion:146 Resp: 569

Ion Ratio Lower Upper

146 100

111 36.6 21.3 63.9

148 82.8 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 0.779 ug/l

RT: 15.388 min Scan# 2267

Delta R.T. -0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

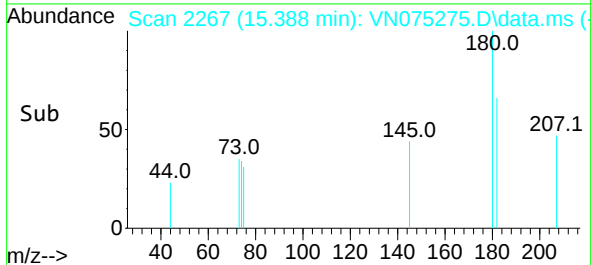
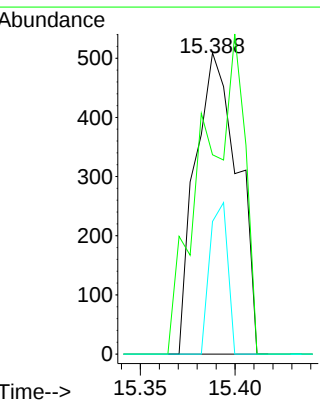
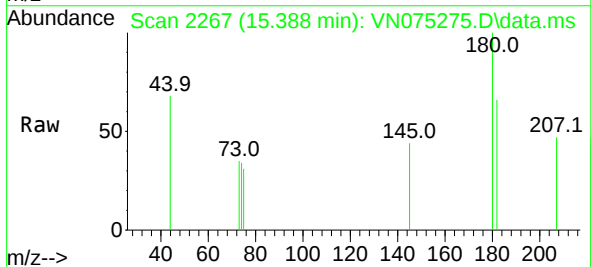
Tgt Ion:180 Resp: 790

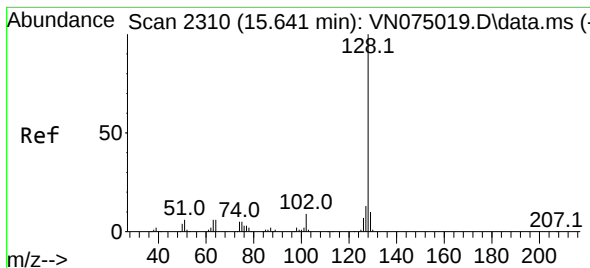
Ion Ratio Lower Upper

180 100

182 104.2 47.8 143.4

145 21.4 16.8 50.3





#95

Naphthalene

Concen: 1.538 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

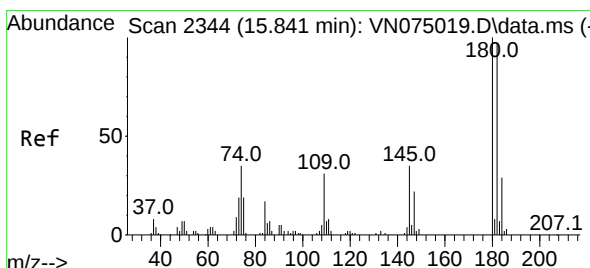
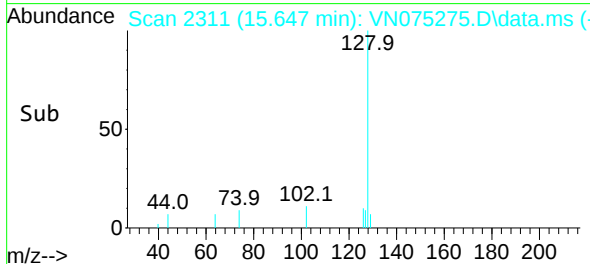
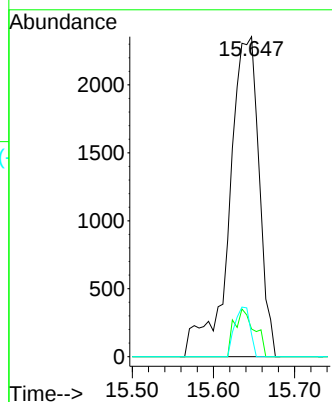
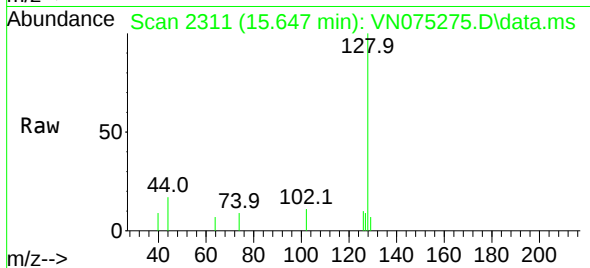
Tgt Ion:128 Resp: 5993

Ion Ratio Lower Upper

128 100

127 10.2 10.4 15.6#

129 8.0 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.097 ug/l

RT: 15.853 min Scan# 2346

Delta R.T. 0.012 min

Lab File: VN075275.D

Acq: 15 Nov 2022 11:36

Tgt Ion:180 Resp: 1105

Ion Ratio Lower Upper

180 100

182 93.8 47.3 141.8

145 17.3 17.6 52.9#

