

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075109.D
 Acq On : 02 Nov 2022 11:52
 Operator : JC\MD
 Sample : VN1102MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102MBL01

Quant Time: Nov 03 04:13:41 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)

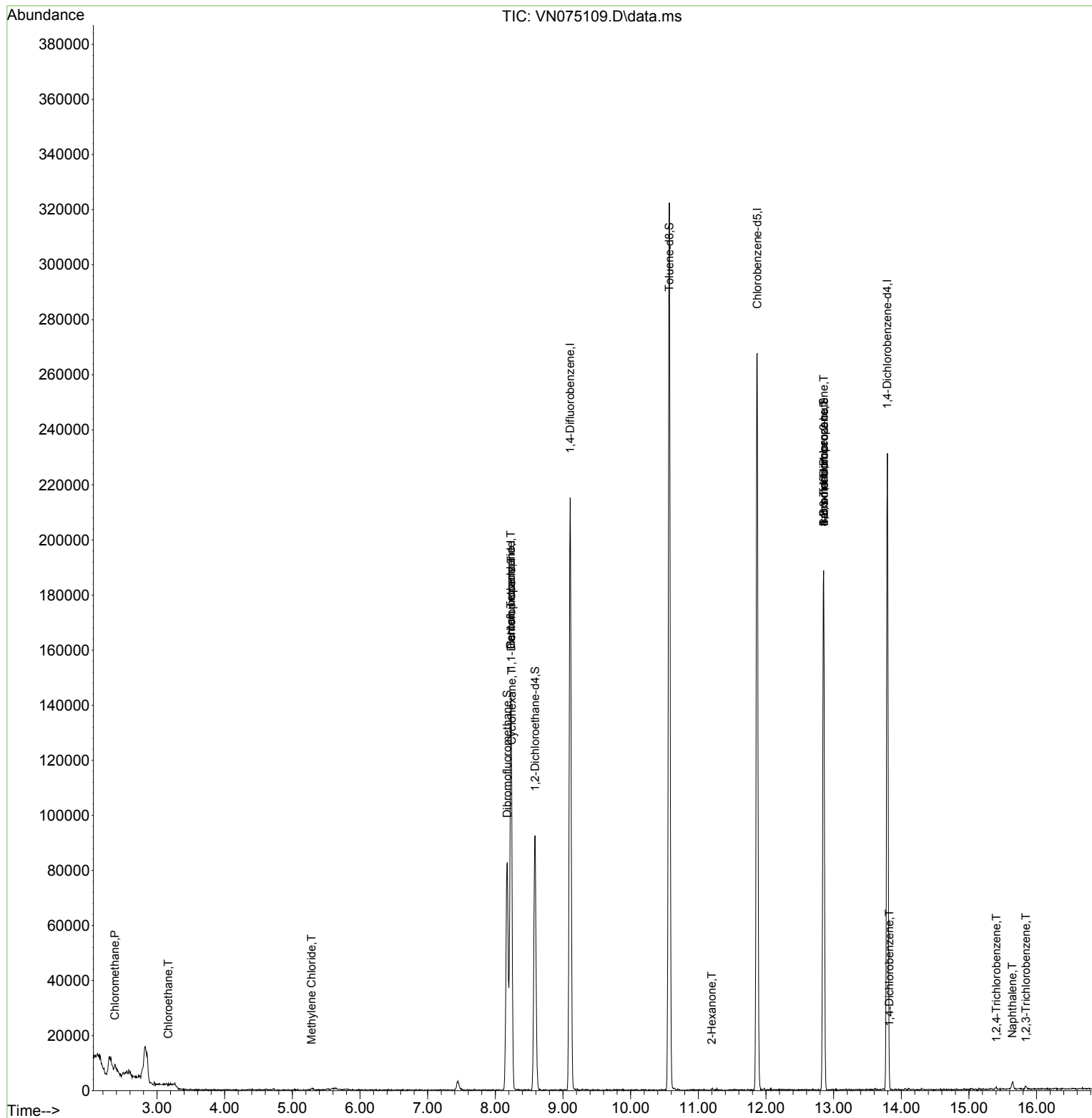
Internal Standards						
1) Pentafluorobenzene	8.230	168	98601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	187355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	155342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	76692	57.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.460%			
35) Dibromofluoromethane	8.177	113	58222	52.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	10.571	98	222317	52.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.853	95	64653	43.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.260%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	273	0.200	ug/l #	42
5) Bromomethane	2.959	94	151	Below Cal		94
6) Chloroethane	3.165	64	423	0.304	ug/l #	45
20) Methylene Chloride	5.283	84	441	0.352	ug/l #	49
31) Cyclohexane	8.241	56	2421	1.225	ug/l #	39
36) 1,1-Dichloropropene	8.236	75	9124	5.358	ug/l #	47
38) Carbon Tetrachloride	8.230	117	11099	5.926	ug/l #	16
59) 2-Hexanone	11.200	43	514	0.362	ug/l	84
71) Bromoform	12.853	173	597	0.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	37096	30.277	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37096	77.721	ug/l #	10
88) 1,4-Dichlorobenzene	13.823	146	520	0.263	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.406	180	507	0.593	ug/l #	75
95) Naphthalene	15.641	128	3571	1.087	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	659	0.776	ug/l #	88

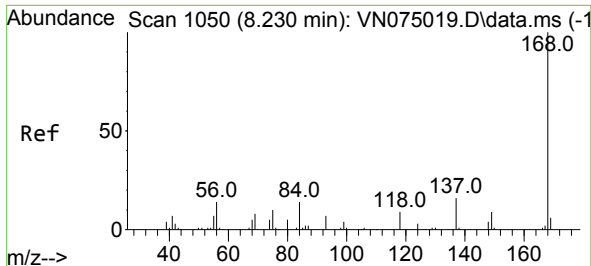
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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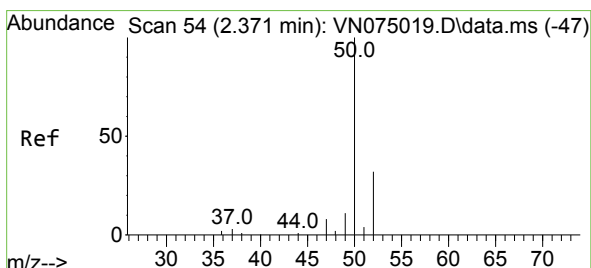
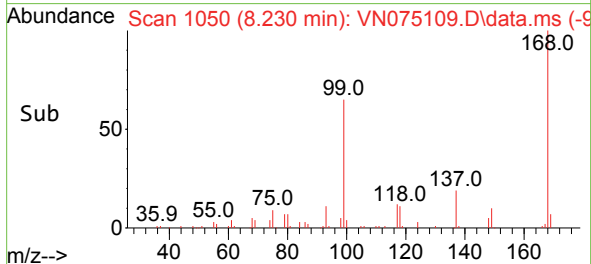
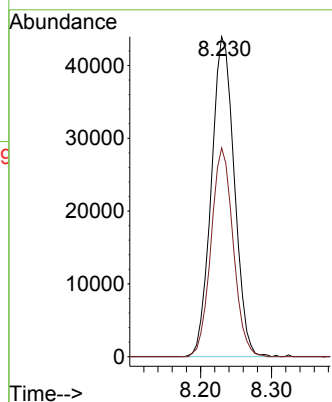
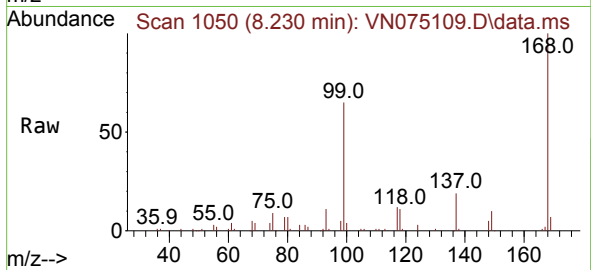




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

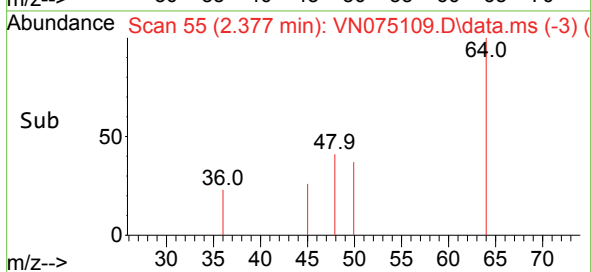
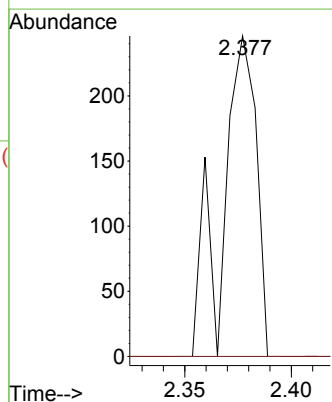
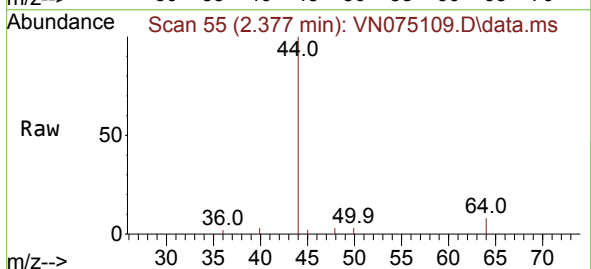
Instrument :
MSVOA_N
ClientSampleId :
VN1102MBL01

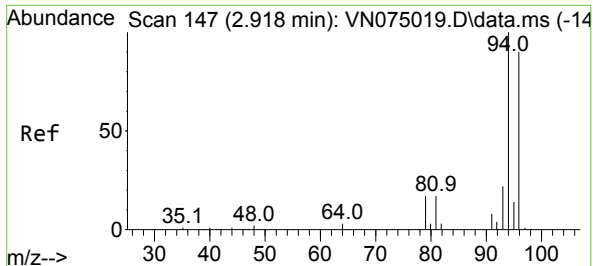
Tgt Ion:168 Resp: 98601
Ion Ratio Lower Upper
168 100
99 65.3 51.6 77.4



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

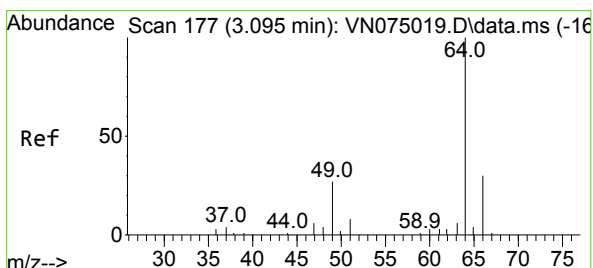
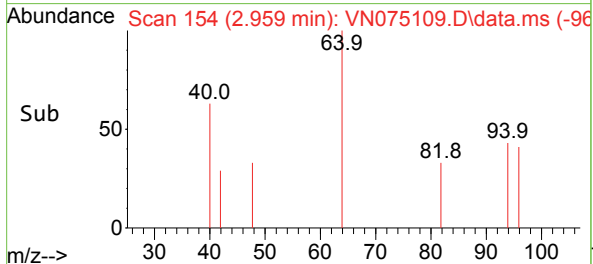
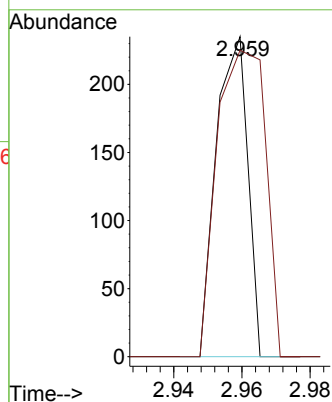
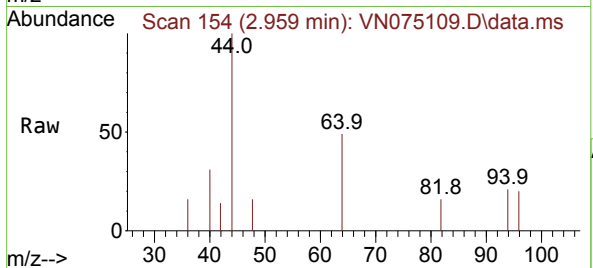




#5
Bromomethane
Concen: Below Cal
RT: 2.959 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

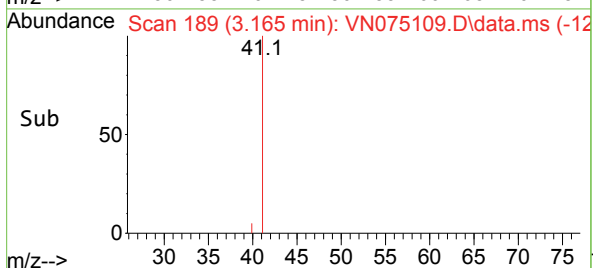
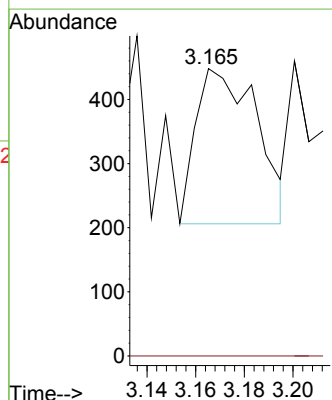
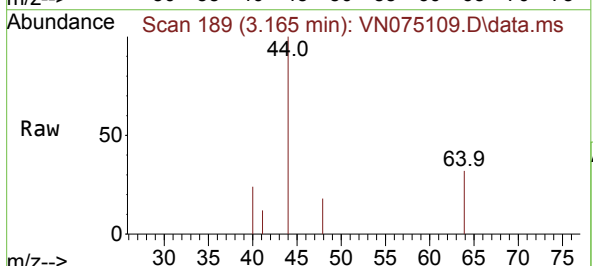
Instrument :
MSVOA_N
ClientSampleId :
VN1102MBL01

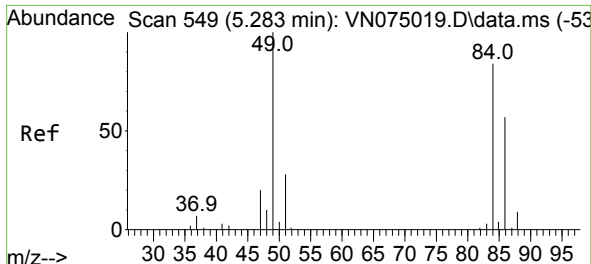
Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 95.7 71.8 107.6



#6
Chloroethane
Concen: 0.304 ug/l
RT: 3.165 min Scan# 189
Delta R.T. 0.070 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion: 64 Resp: 423
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

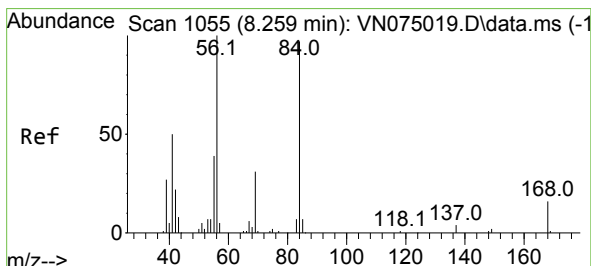
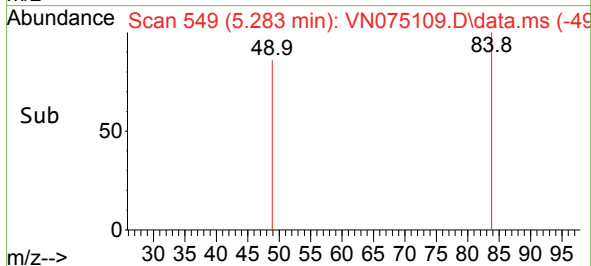
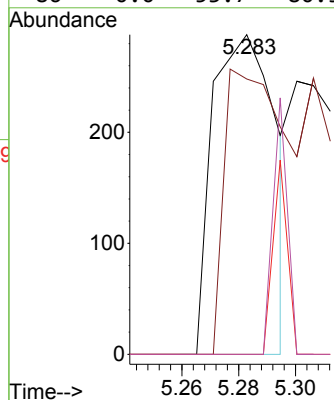
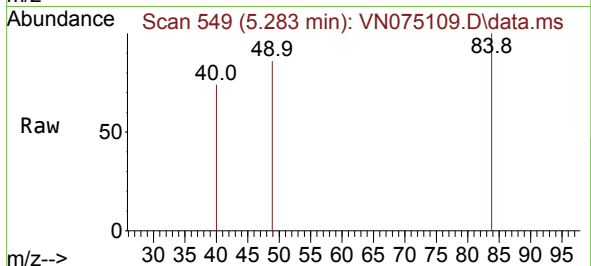




#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

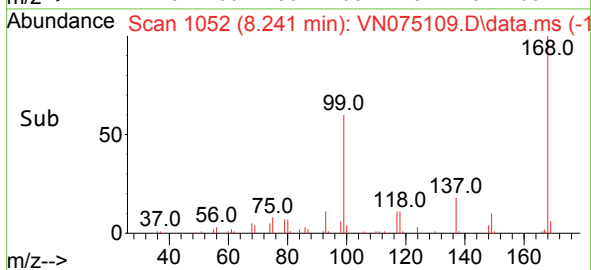
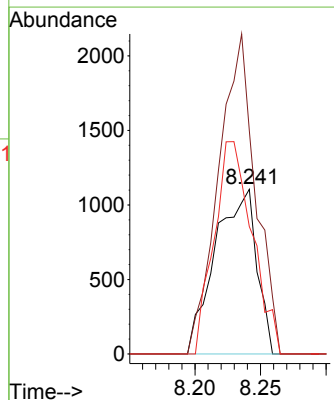
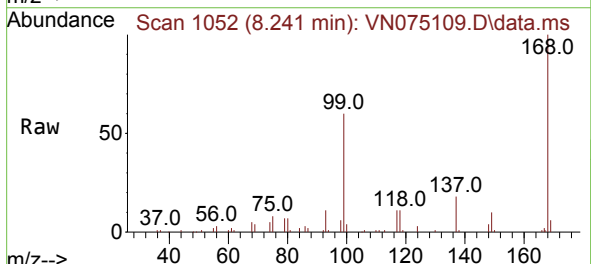
Instrument :
MSVOA_N
ClientSampleId :
VN1102MBL01

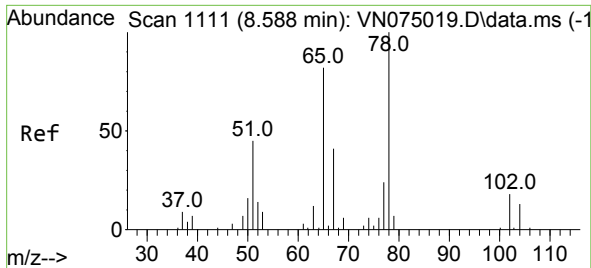
Tgt Ion:	84	Resp:	441
Ion	Ratio	Lower	Upper
84	100		
49	86.1	94.9	142.3#
51	0.0	26.8	40.2#
86	0.0	53.7	80.5#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.018 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion:	56	Resp:	2421
Ion	Ratio	Lower	Upper
56	100		
69	135.7	25.2	37.8#
84	77.4	77.8	116.8#

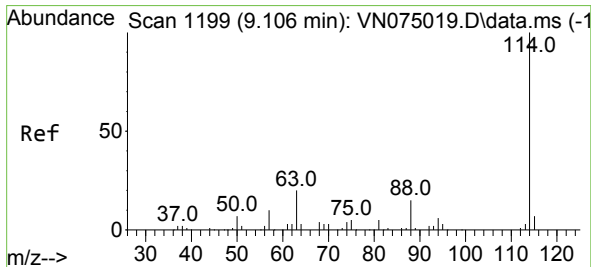
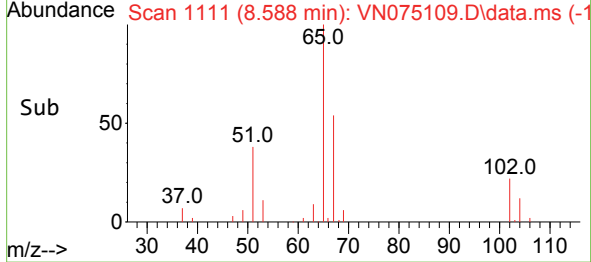
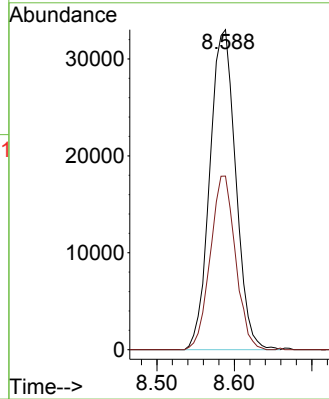
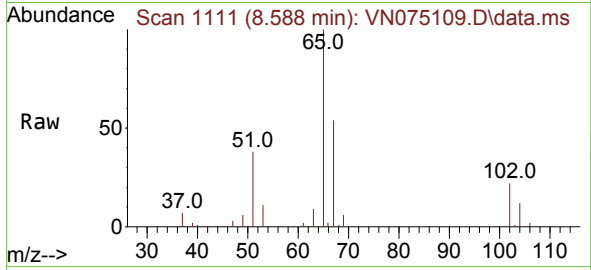




#33
 1,2-Dichloroethane-d4
 Concen: 57.727 ug/l
 RT: 8.588 min Scan# 1111
 Delta R.T. 0.000 min
 Lab File: VN075109.D
 Acq: 02 Nov 2022 11:52

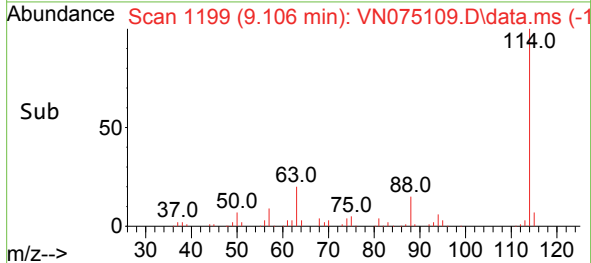
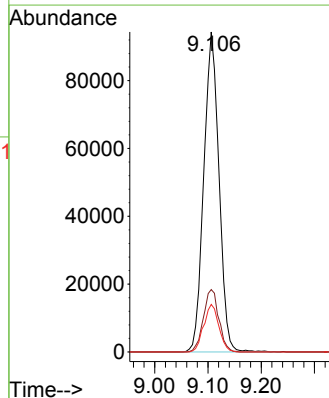
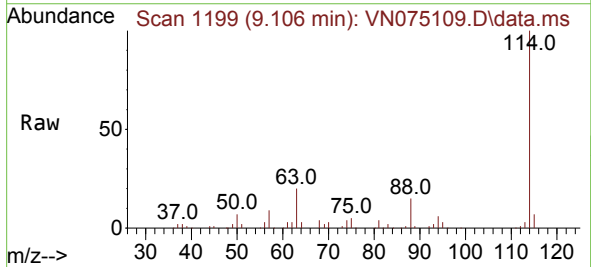
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102MBL01

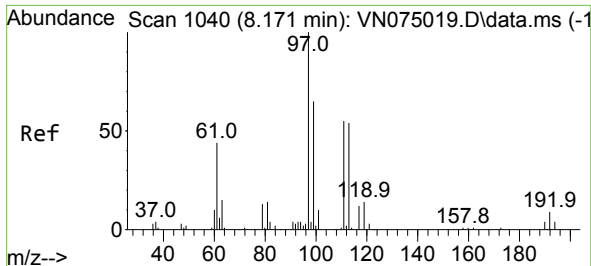
Tgt Ion: 65 Resp: 76692
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075109.D
 Acq: 02 Nov 2022 11:52

Tgt Ion: 114 Resp: 187355
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.935 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075109.D

Acq: 02 Nov 2022 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1102MBL01

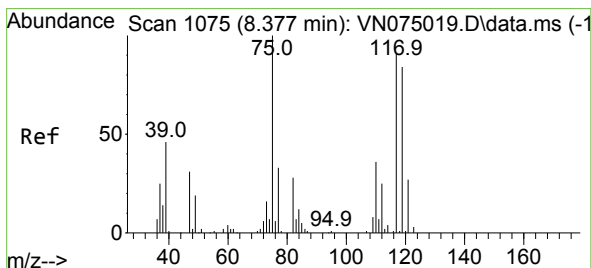
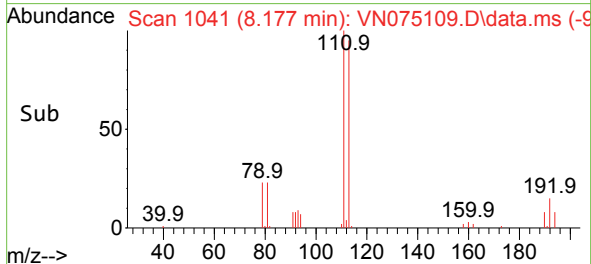
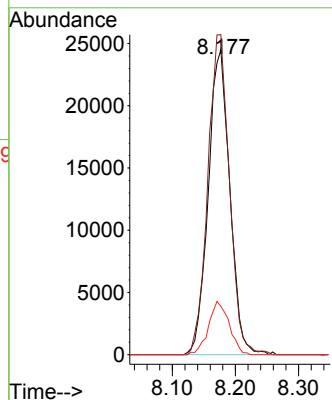
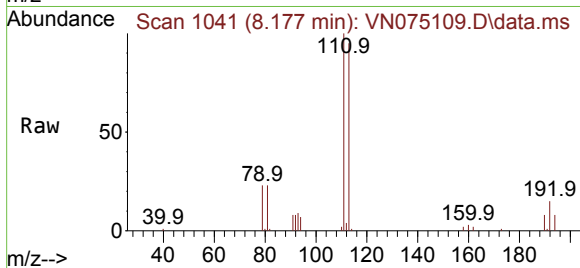
Tgt Ion:113 Resp: 58222

Ion Ratio Lower Upper

113 100

111 105.0 80.5 120.7

192 16.8 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.358 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN075109.D

Acq: 02 Nov 2022 11:52

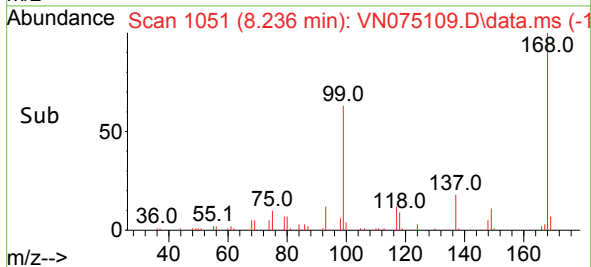
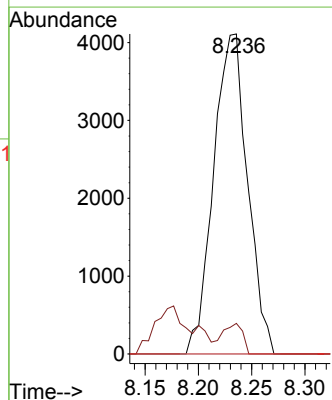
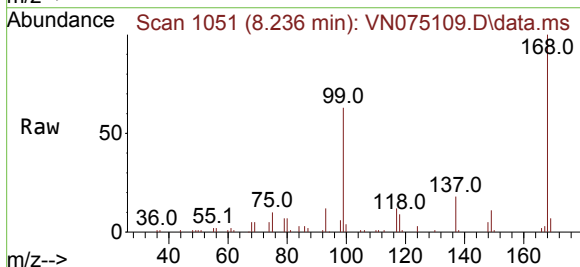
Tgt Ion: 75 Resp: 9124

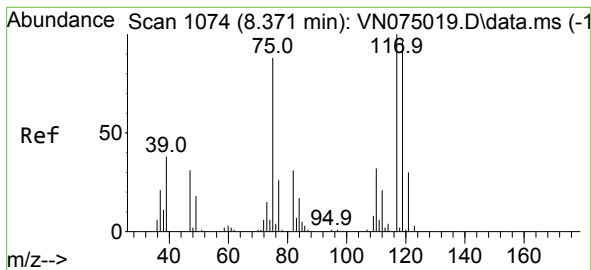
Ion Ratio Lower Upper

75 100

110 5.8 17.8 53.3#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 8.230 min Scan# 11099

Delta R.T. -0.141 min

Lab File: VN075109.D

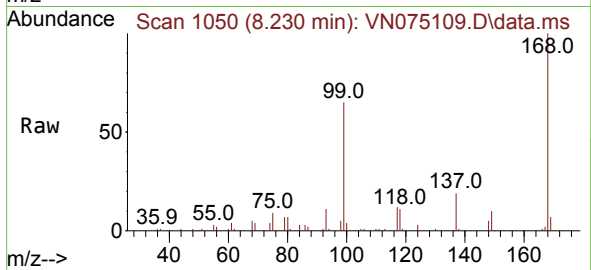
Acq: 02 Nov 2022 11:52

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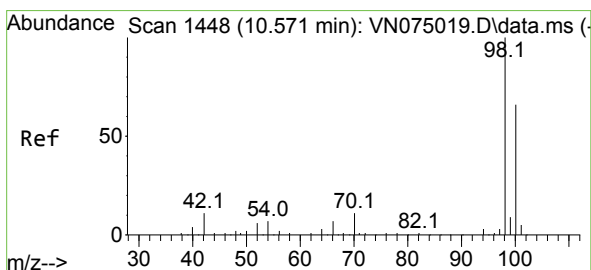
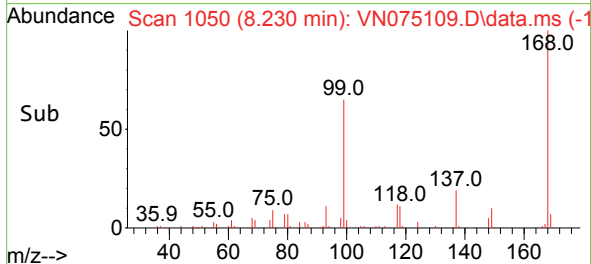
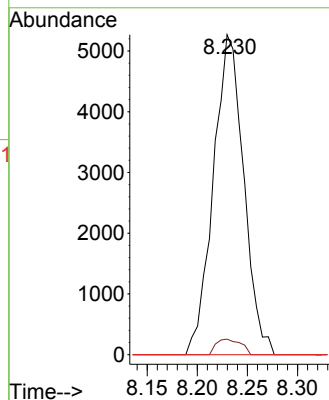
Tgt Ion:117 Resp: 11099

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 52.099 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075109.D

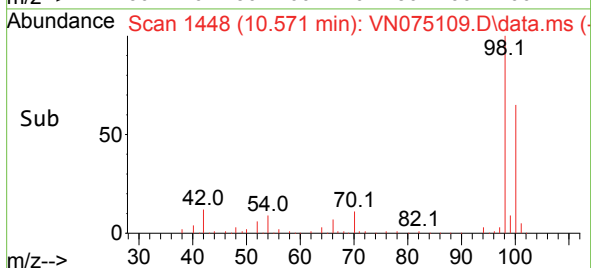
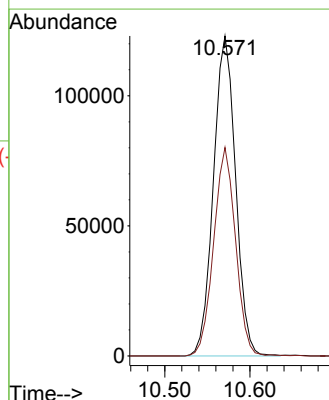
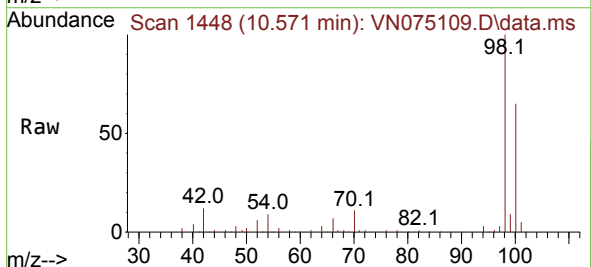
Acq: 02 Nov 2022 11:52

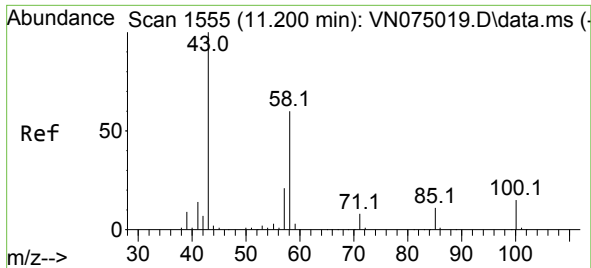
Tgt Ion: 98 Resp: 222317

Ion Ratio Lower Upper

98 100

100 64.4 53.0 79.6

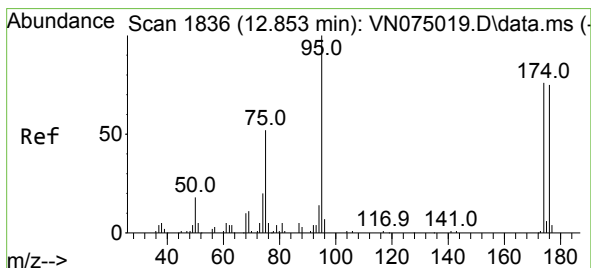
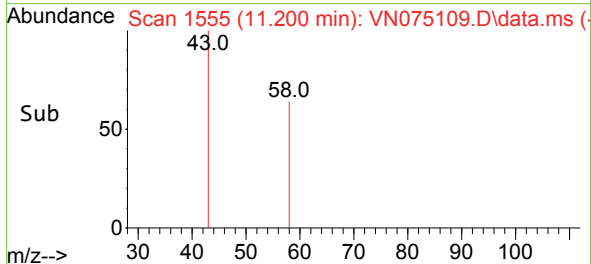
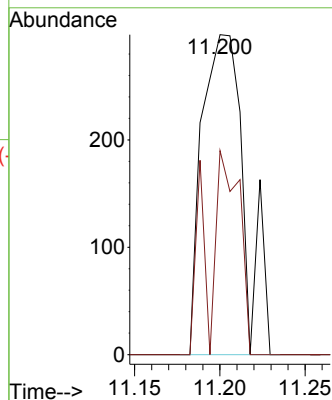
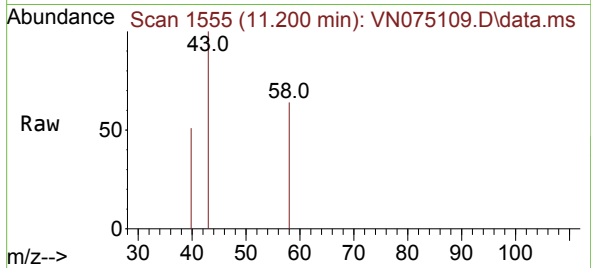




#59
2-Hexanone
Concen: 0.362 ug/l
RT: 11.200 min Scan# 1155
Delta R.T. 0.000 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

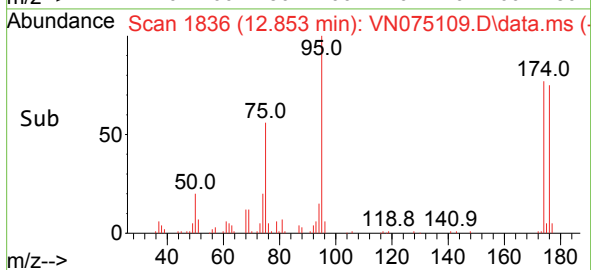
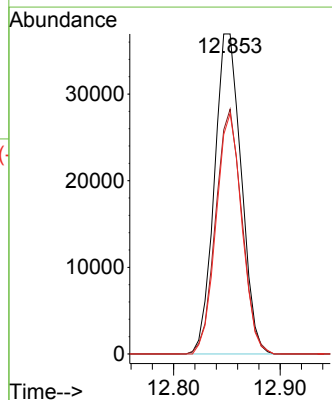
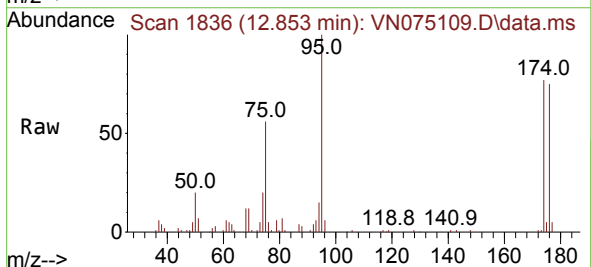
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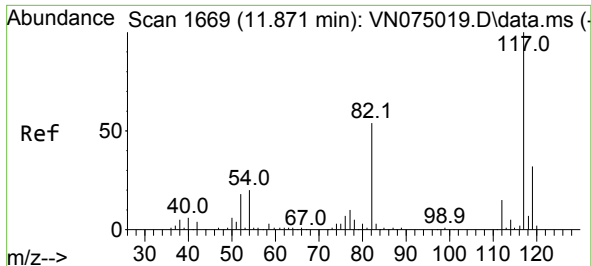
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 47.1 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 43.131 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion: 95 Resp: 64653
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.4
176 71.9 0.0 142.2

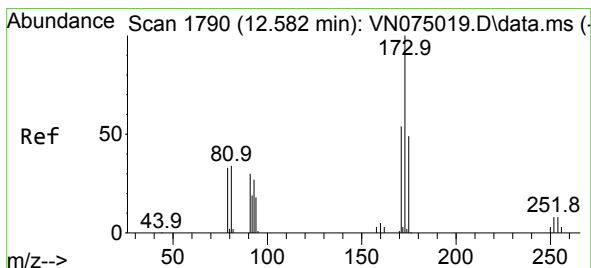
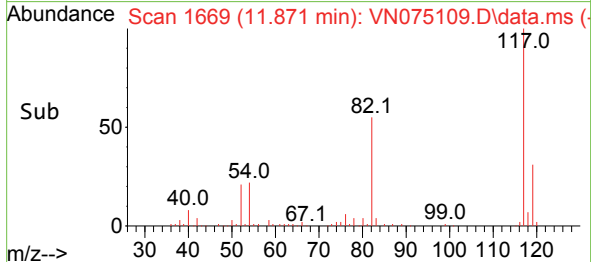
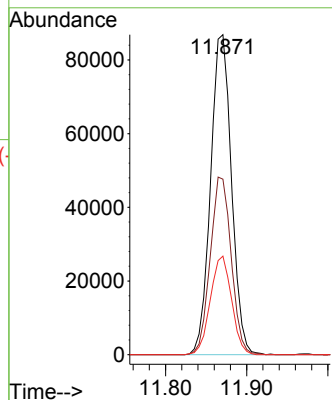
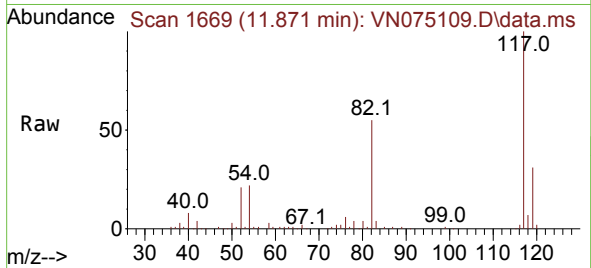




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

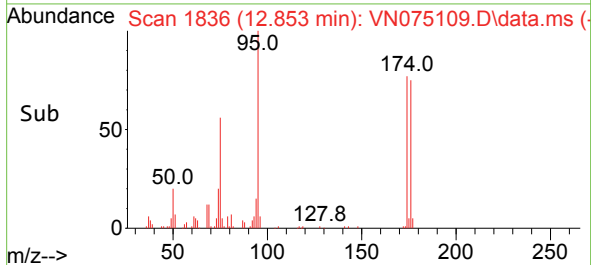
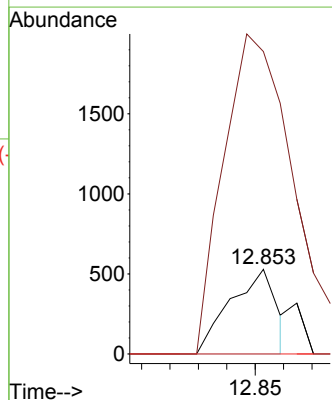
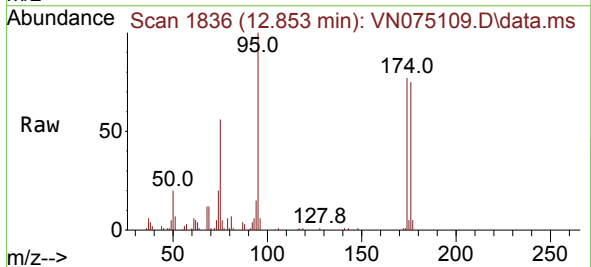
Instrument :
MSVOA_N
ClientSampleId :
VN1102MBL01

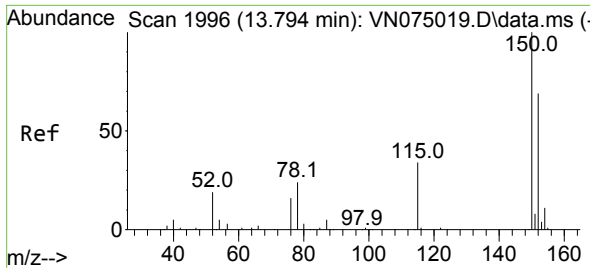
Tgt Ion:117 Resp: 155342
Ion Ratio Lower Upper
117 100
82 54.9 43.1 64.7
119 30.8 25.5 38.3



#71
Bromoform
Concen: 0.648 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion:173 Resp: 597
Ion Ratio Lower Upper
173 100
175 458.6 24.6 74.0#
254 0.0 0.0 0.0

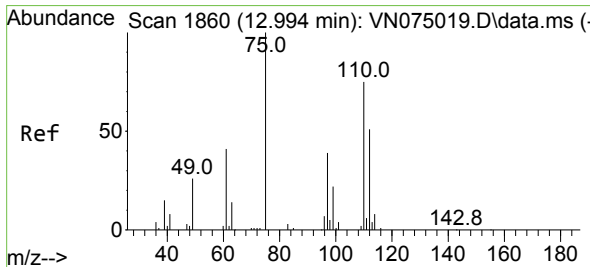
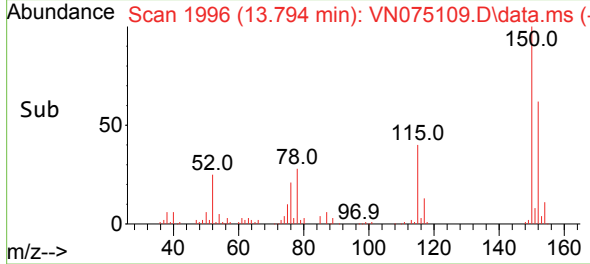
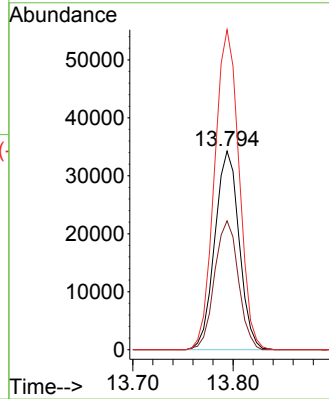
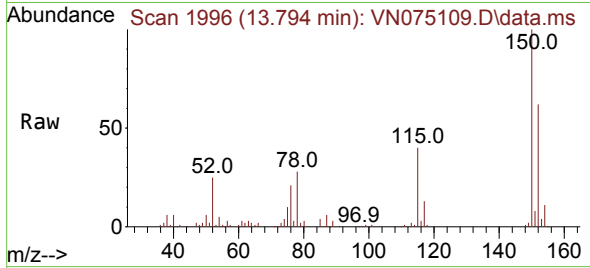




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075109.D
 Acq: 02 Nov 2022 11:52

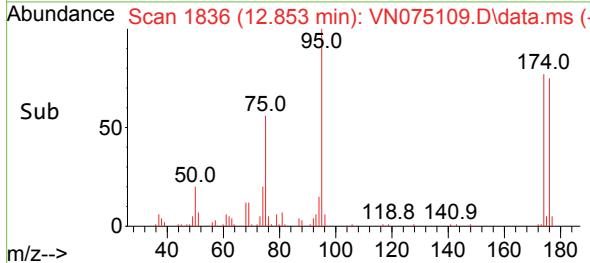
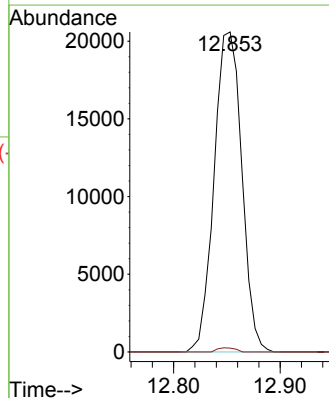
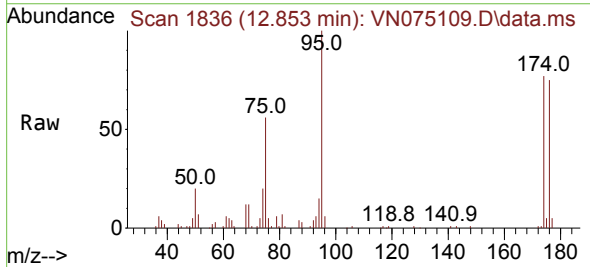
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102MBL01

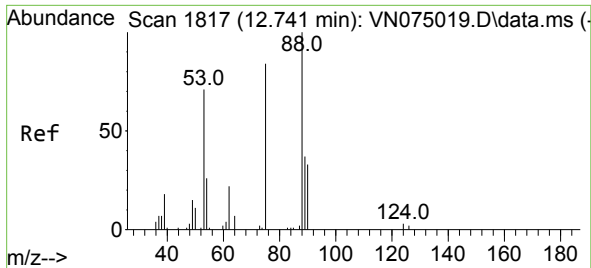
Tgt Ion:152 Resp: 57704
 Ion Ratio Lower Upper
 152 100
 115 63.7 30.2 90.6
 150 162.5 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 30.277 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075109.D
 Acq: 02 Nov 2022 11:52

Tgt Ion: 75 Resp: 37096
 Ion Ratio Lower Upper
 75 100
 77 0.8 75.6 226.8#

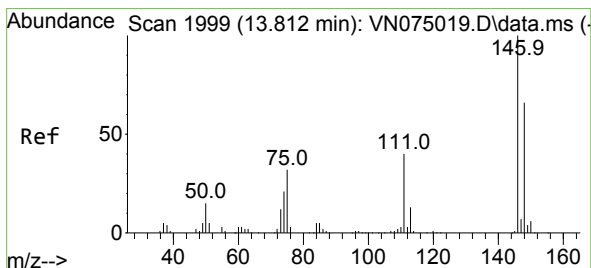
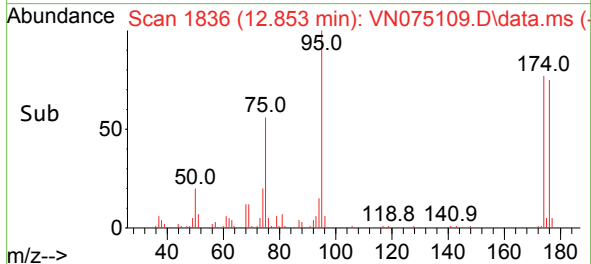
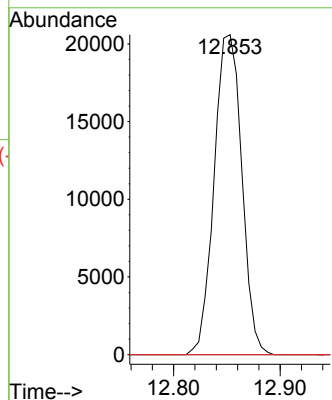
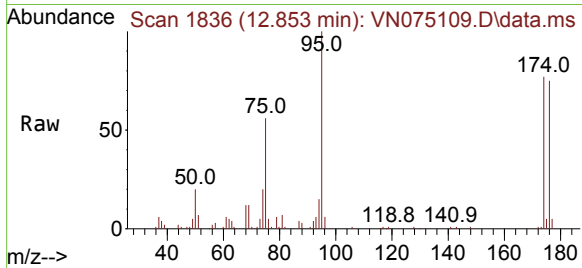




#81
trans-1,4-Dichloro-2-butene
Concen: 77.721 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

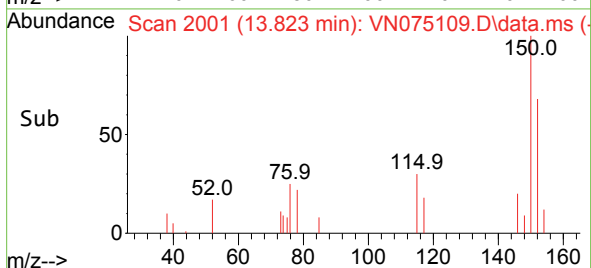
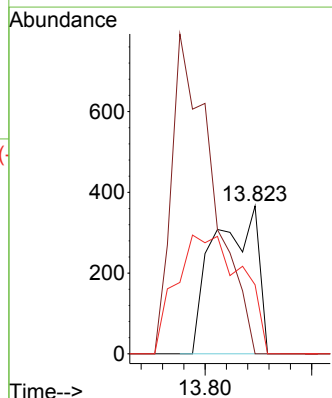
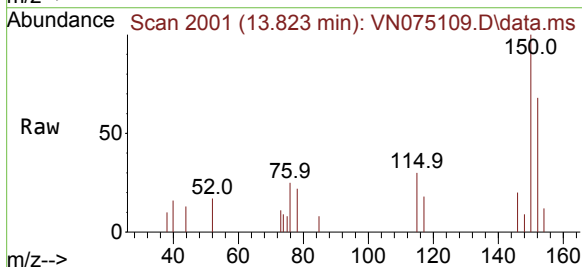
Instrument :
MSVOA_N
ClientSampleId :
VN1102MBL01

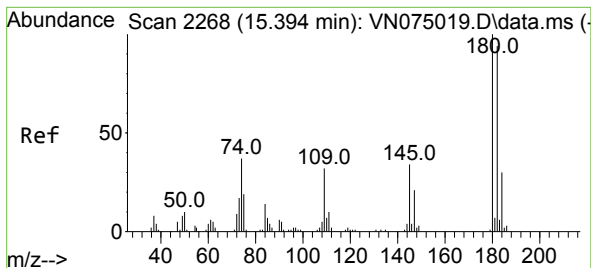
Tgt Ion: 75 Resp: 37096
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#88
1,4-Dichlorobenzene
Concen: 0.263 ug/l
RT: 13.823 min Scan# 2001
Delta R.T. 0.011 min
Lab File: VN075109.D
Acq: 02 Nov 2022 11:52

Tgt Ion: 146 Resp: 520
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 0.0 31.9 95.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.593 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN075109.D

Acq: 02 Nov 2022 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1102MBL01

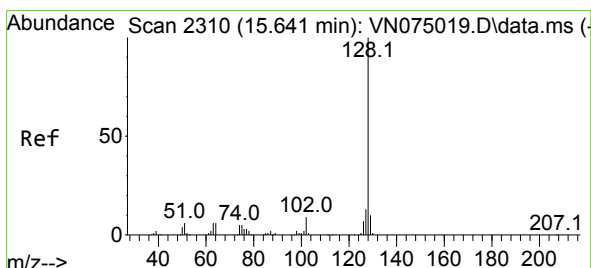
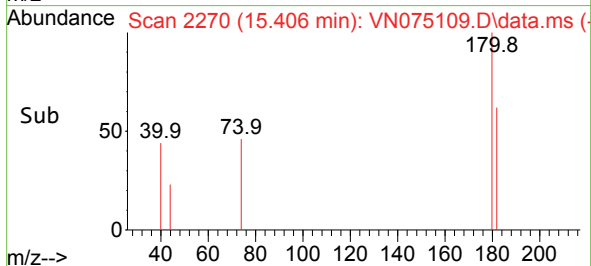
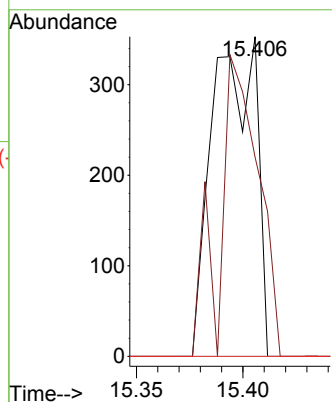
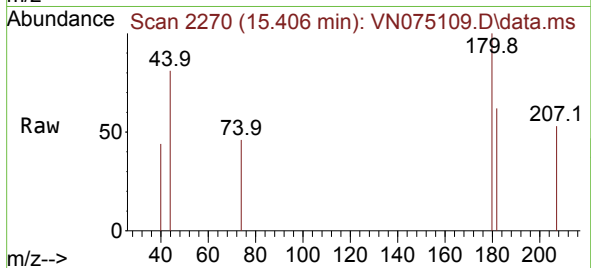
Tgt Ion:180 Resp: 507

Ion Ratio Lower Upper

180 100

182 83.4 47.8 143.4

145 0.0 16.8 50.3#



#95

Naphthalene

Concen: 1.087 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075109.D

Acq: 02 Nov 2022 11:52

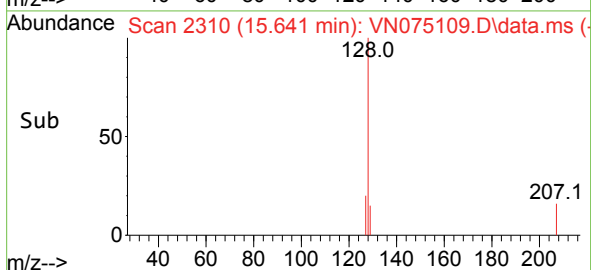
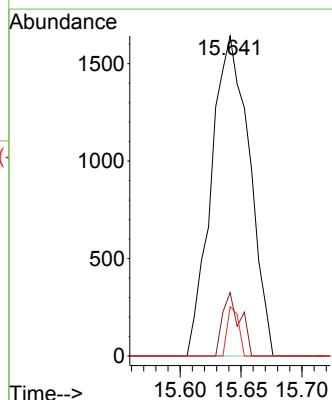
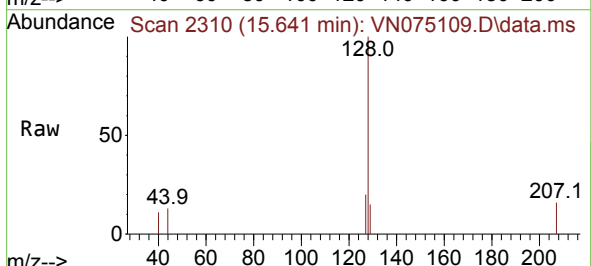
Tgt Ion:128 Resp: 3571

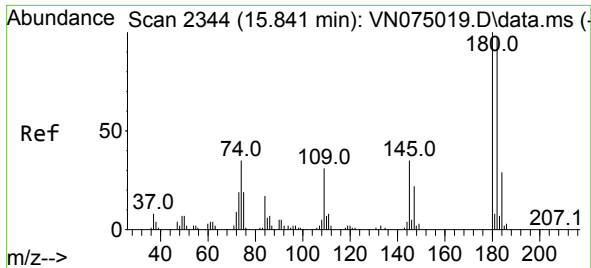
Ion Ratio Lower Upper

128 100

127 9.2 10.4 15.6#

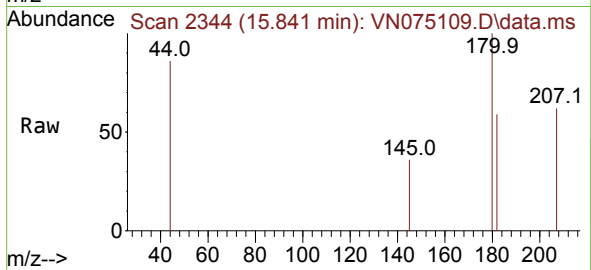
129 4.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.776 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075109.D
 Acq: 02 Nov 2022 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102MBL01



Tgt Ion:180 Resp: 659
 Ion Ratio Lower Upper
 180 100
 182 89.1 47.3 141.8
 145 17.3 17.6 52.9#

