

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077048.D
 Acq On : 17 Mar 2023 21:25
 Operator : JC\MD
 Sample : 01904-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20230313

Quant Time: Mar 18 02:35:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

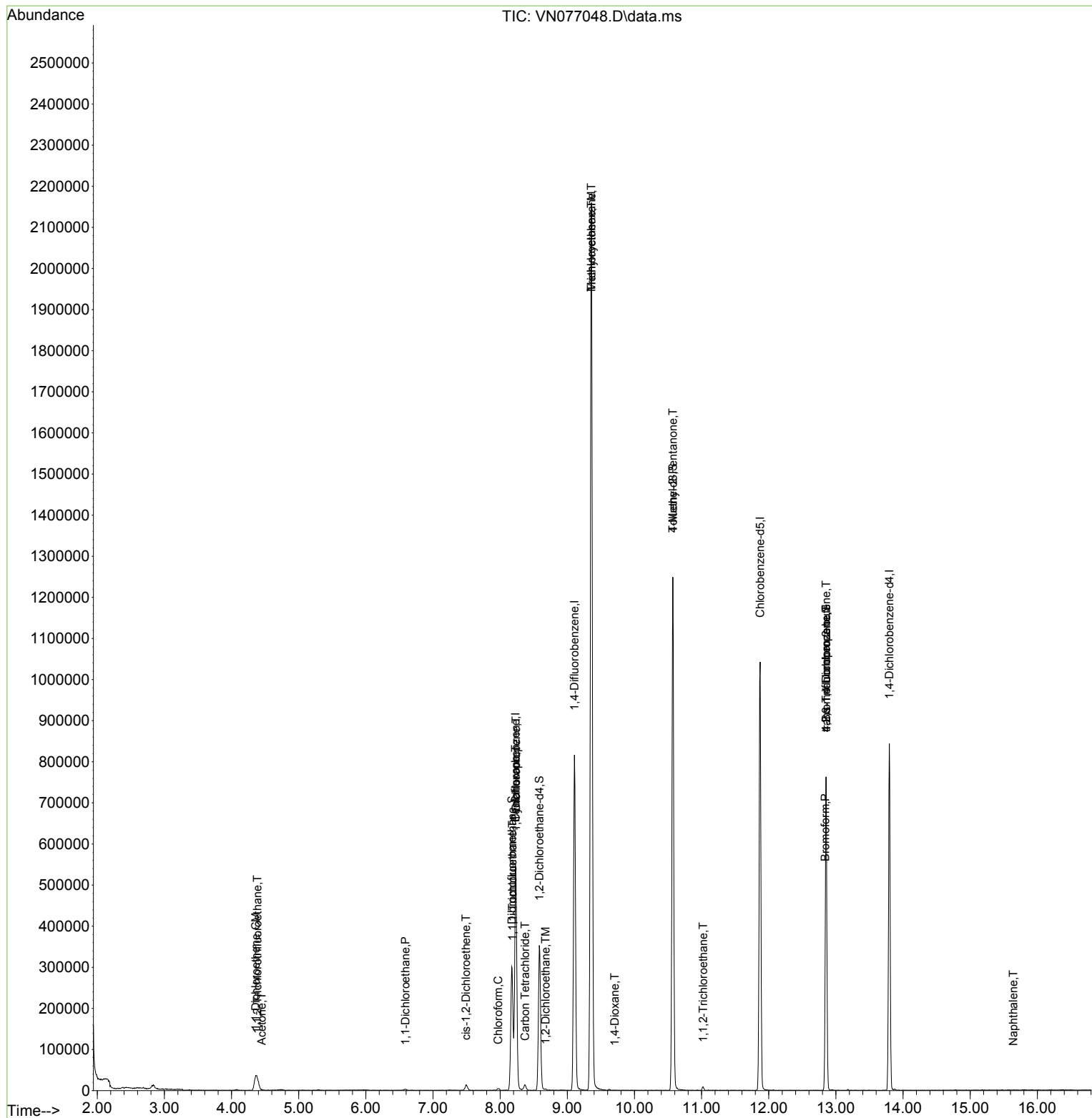
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	371509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	671875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	586634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	214150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	288307	48.584	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.160%
35) Dibromofluoromethane	8.178	113	217612	46.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.500%
50) Toluene-d8	10.571	98	832848	49.552	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.854	95	262686	44.229	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.460%
Target Compounds						
2) Dichlorodifluoromethane	2.149	85	481	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.384	101	17513	3.552	ug/l	95
12) 1,1-Dichloroethene	4.360	96	15349	3.403	ug/l	87
16) Acetone	4.448	43	1588	0.601	ug/l #	84
24) 1,1-Dichloroethane	6.589	63	4155	0.401	ug/l #	84
27) cis-1,2-Dichloroethene	7.489	96	7603	1.358	ug/l	92
30) Chloroform	7.972	83	4155	0.414	ug/l #	78
31) Cyclohexane	8.230	56	9617	0.991	ug/l #	1
32) 1,1,1-Trichloroethane	8.183	97	2033	0.237	ug/l #	38
36) 1,1-Dichloropropene	8.236	75	34256	4.661	ug/l #	51
38) Carbon Tetrachloride	8.372	117	10152	1.418	ug/l	88
39) Methylcyclohexane	9.360	83	10870	1.264	ug/l #	1
42) 1,2-Dichloroethane	8.678	62	1786	0.222	ug/l #	76
44) Trichloroethene	9.360	130	761461	148.736	ug/l	94
49) 1,4-Dioxane	9.707	88	253	2.522	ug/l #	51
51) 4-Methyl-2-Pentanone	10.571	43	3697	0.483	ug/l #	1
55) 1,1,2-Trichloroethane	11.024	97	2718	0.518	ug/l #	86
71) Bromoform	12.842	173	903	0.267	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	141283	25.506	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	141283	70.206	ug/l #	10
95) Naphthalene	15.642	128	629	1.954	ug/l #	70

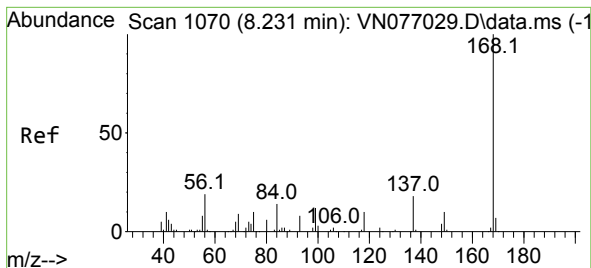
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

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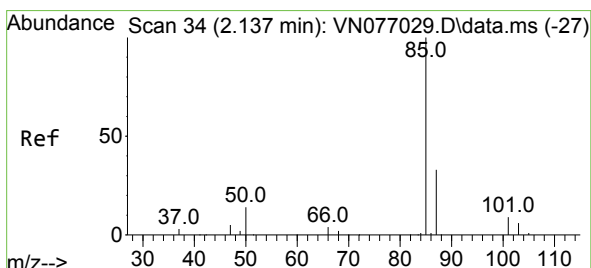
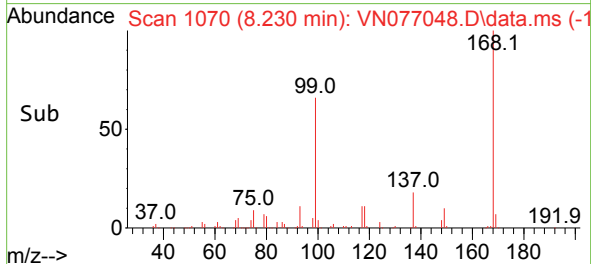
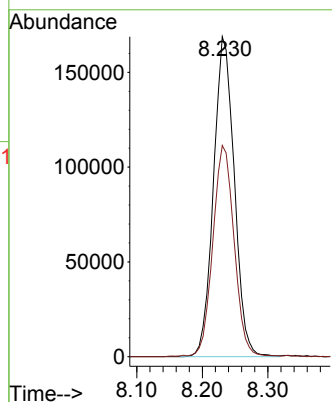
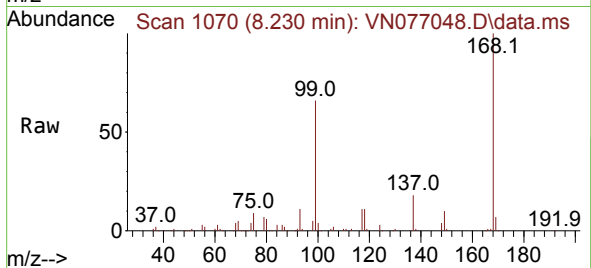
RE139D2-20230313

Tgt Ion:168 Resp: 371509

Ion Ratio Lower Upper

168 100

99 65.8 53.9 80.9



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.149 min Scan# 36

Delta R.T. 0.012 min

Lab File: VN077048.D

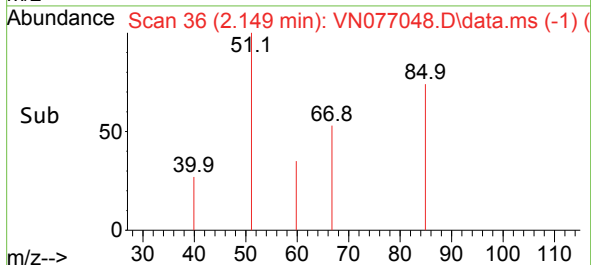
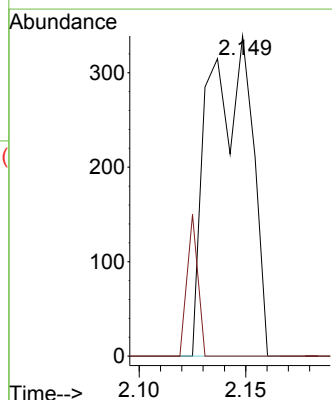
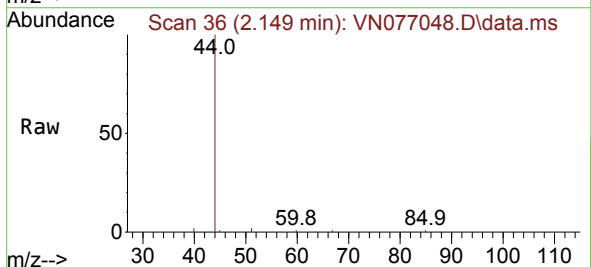
Acq: 17 Mar 2023 21:25

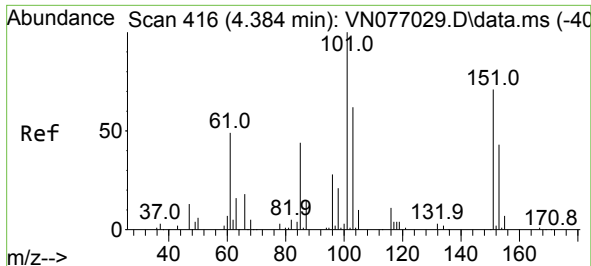
Tgt Ion: 85 Resp: 481

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#

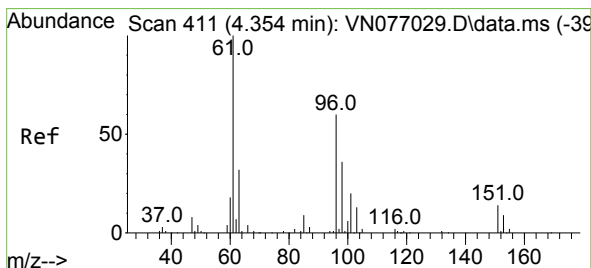
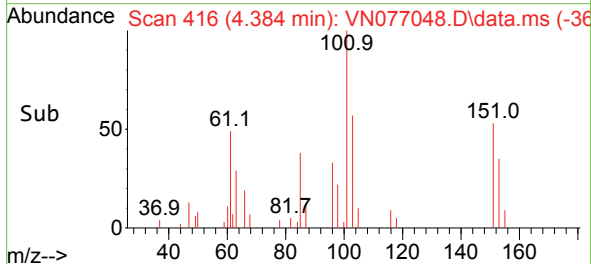
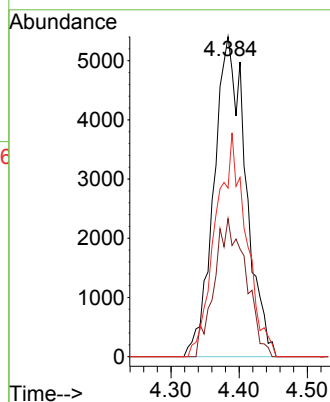
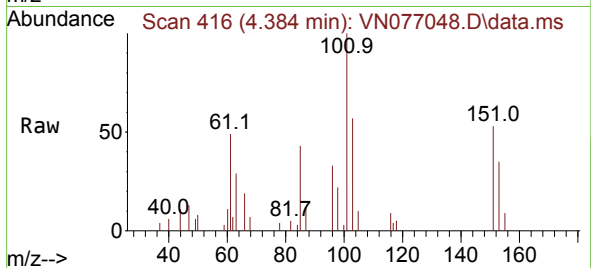




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.552 ug/l
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

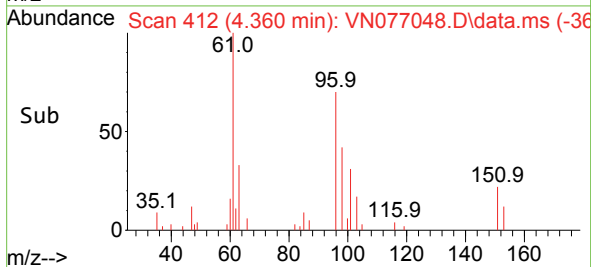
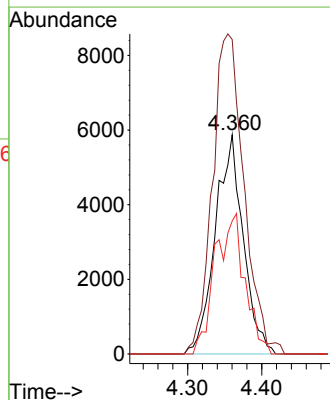
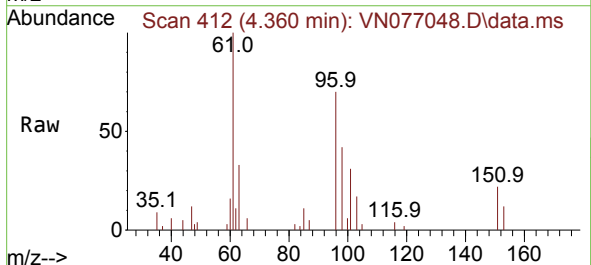
Instrument :
MSVOA_N
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RE139D2-20230313

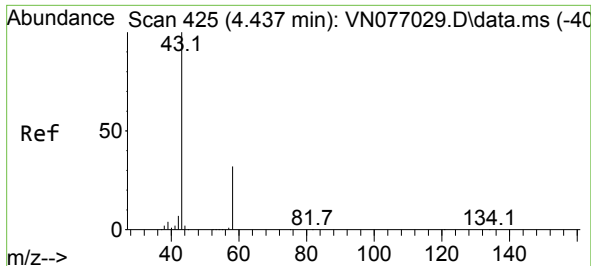
Tgt Ion:101 Resp: 17513
Ion Ratio Lower Upper
101 100
85 42.9 36.6 55.0
151 67.3 56.9 85.3



#12
1,1-Dichloroethene
Concen: 3.403 ug/l
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 96 Resp: 15349
Ion Ratio Lower Upper
96 100
61 143.4 133.8 200.8
98 60.7 48.6 72.8





#16

Acetone

Concen: 0.601 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

ClientSampleId :

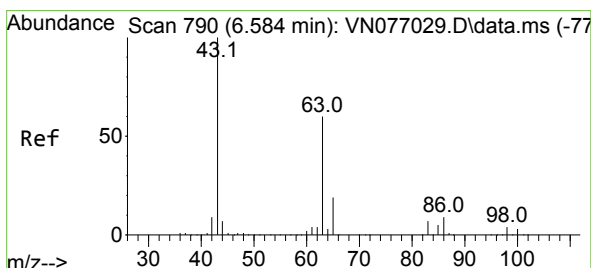
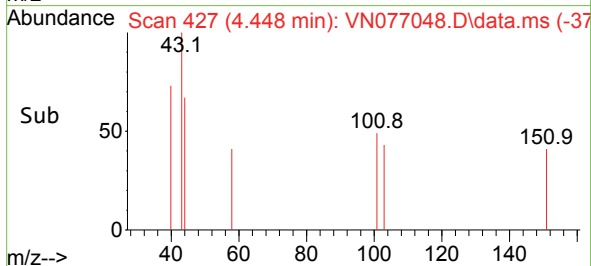
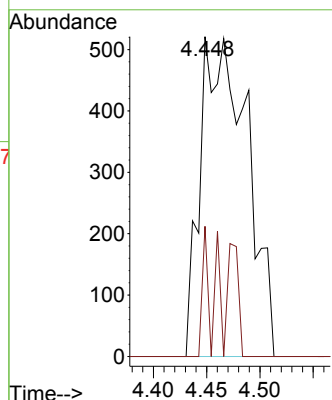
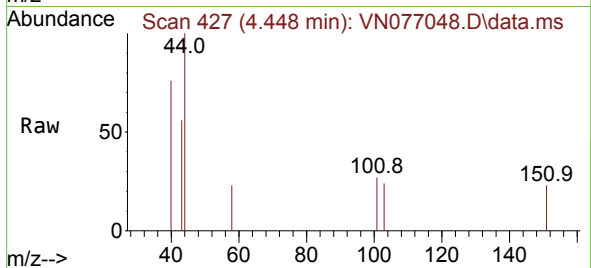
RE139D2-20230313

Tgt Ion: 43 Resp: 1588

Ion Ratio Lower Upper

43 100

58 40.7 25.4 38.0#



#24

1,1-Dichloroethane

Concen: 0.401 ug/l

RT: 6.589 min Scan# 791

Delta R.T. 0.006 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

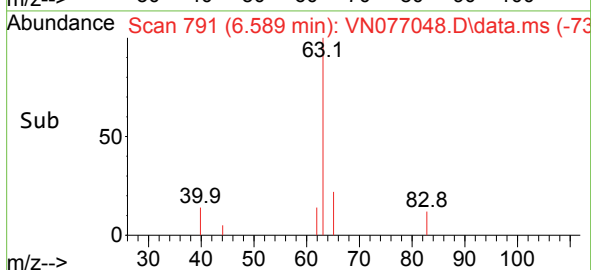
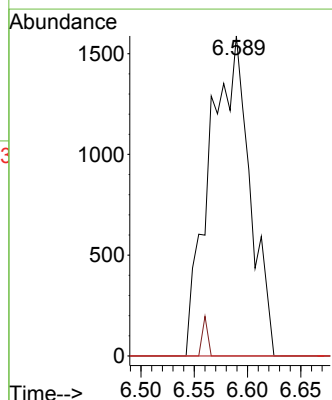
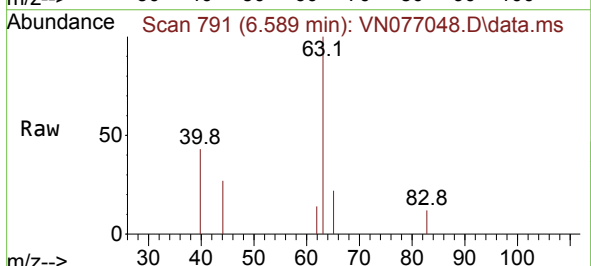
Tgt Ion: 63 Resp: 4155

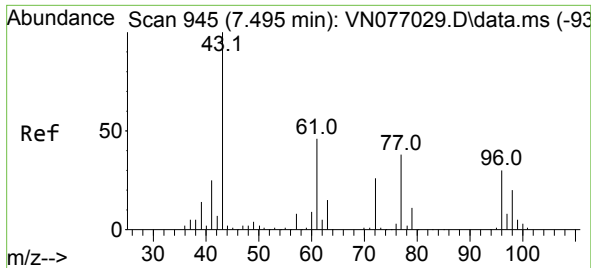
Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

100 0.0 2.1 6.3#

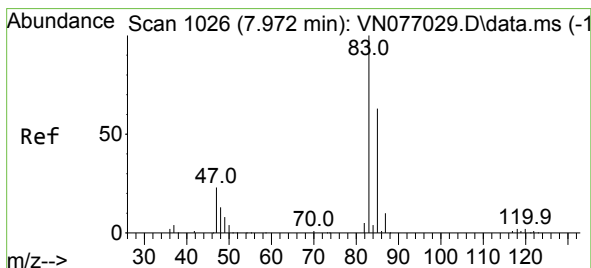
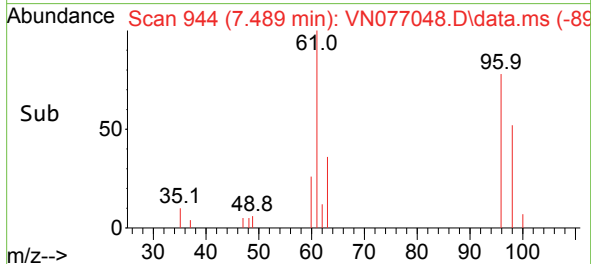
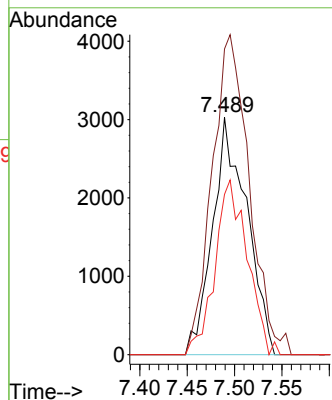
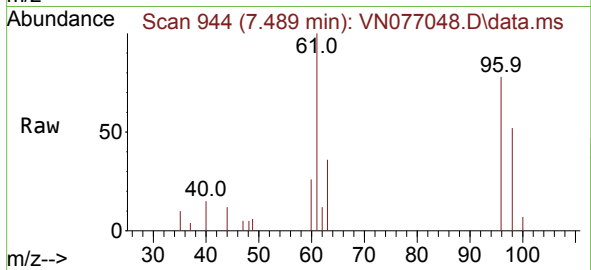




#27
cis-1,2-Dichloroethene
Concen: 1.358 ug/l
RT: 7.489 min Scan# 945
Delta R.T. -0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

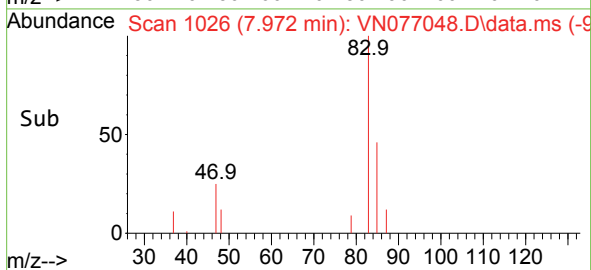
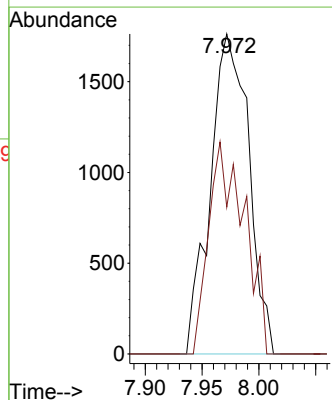
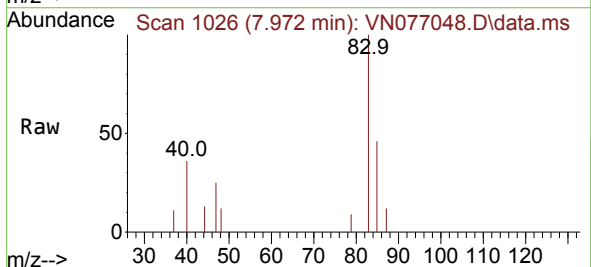
Instrument :
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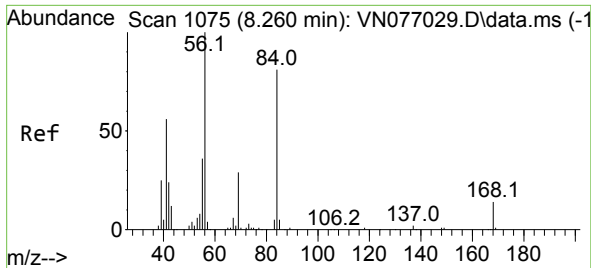
Tgt Ion: 96 Resp: 7603
Ion Ratio Lower Upper
96 100
61 146.6 0.0 315.4
98 69.8 0.0 128.6



#30
Chloroform
Concen: 0.414 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

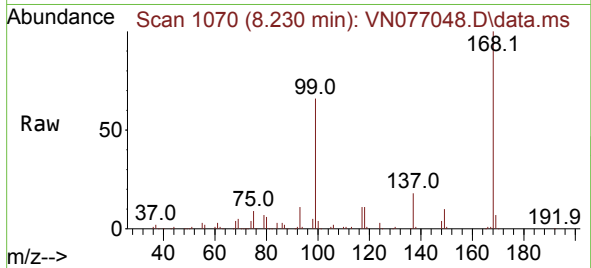
Tgt Ion: 83 Resp: 4155
Ion Ratio Lower Upper
83 100
85 45.9 50.6 75.8#



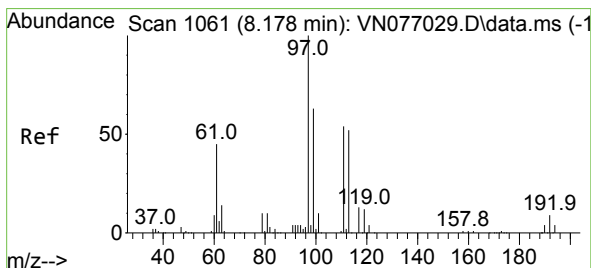
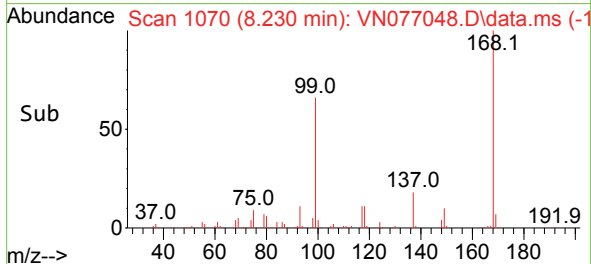
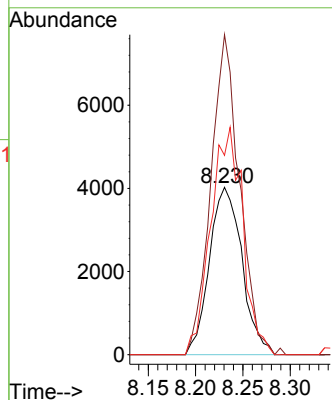


#31
Cyclohexane
Concen: 0.991 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077048.D
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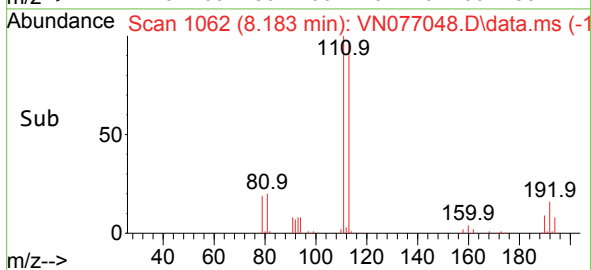
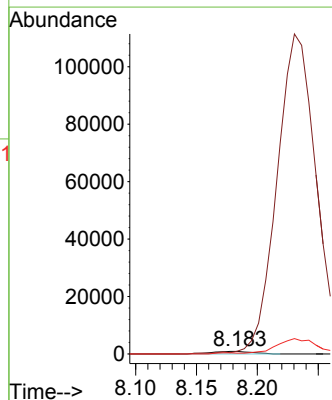
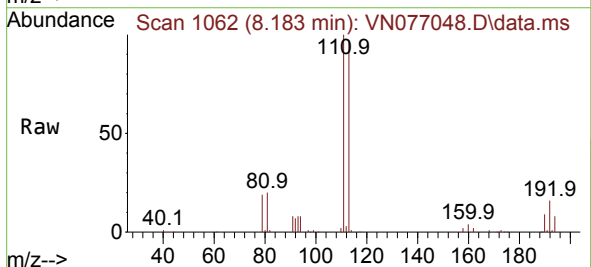


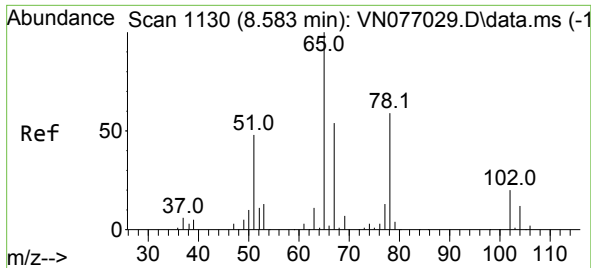
Tgt Ion: 56 Resp: 9617
Ion Ratio Lower Upper
56 100
69 191.2 22.8 34.2#
84 119.1 64.7 97.1#



#32
1,1,1-Trichloroethane
Concen: 0.237 ug/l
RT: 8.183 min Scan# 1062
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 97 Resp: 2033
Ion Ratio Lower Upper
97 100
99 0.0 50.2 75.2#
61 23.2 39.0 58.6#

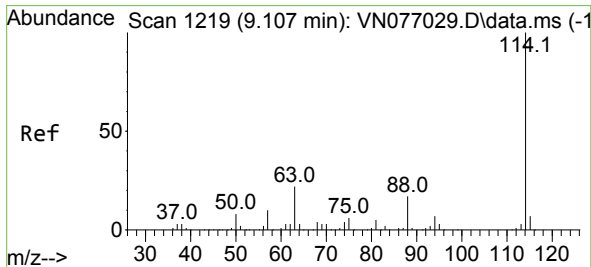
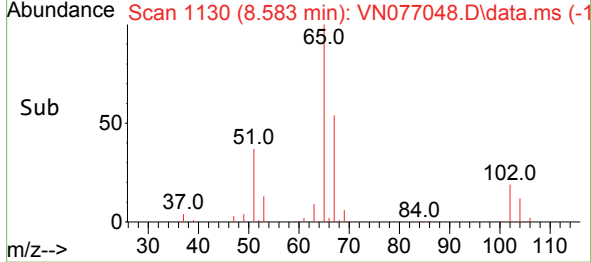
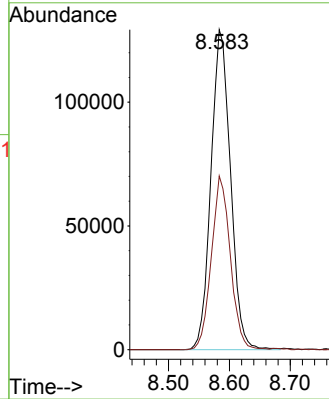
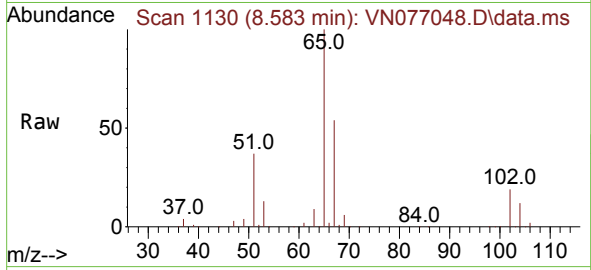




#33
 1,2-Dichloroethane-d4
 Concen: 48.584 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN077048.D
 Acq: 17 Mar 2023 21:25

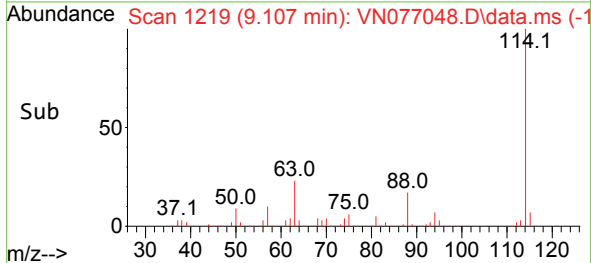
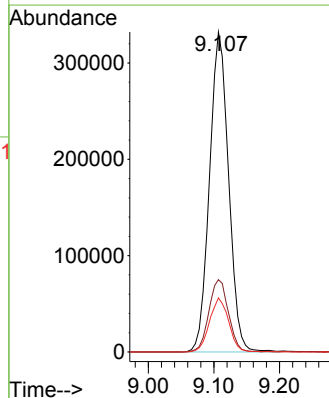
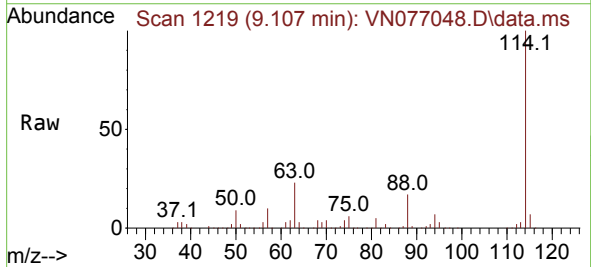
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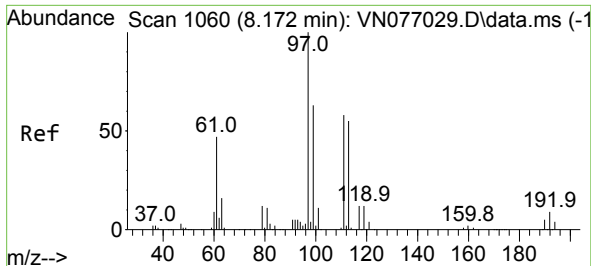
Tgt Ion: 65 Resp: 288307
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN077048.D
 Acq: 17 Mar 2023 21:25

Tgt Ion: 114 Resp: 671875
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.6
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 46.249 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20230313

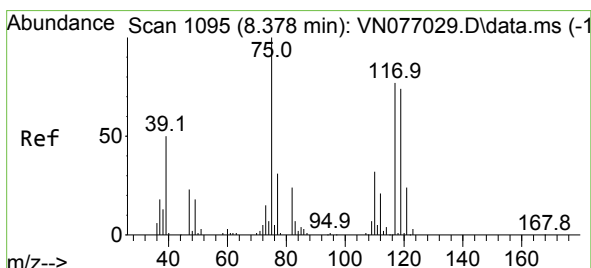
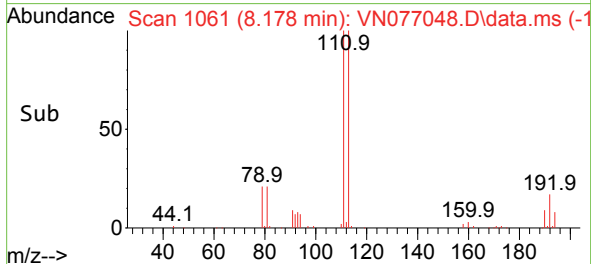
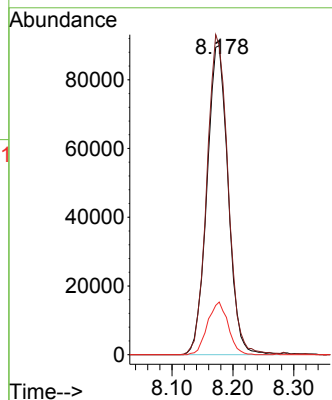
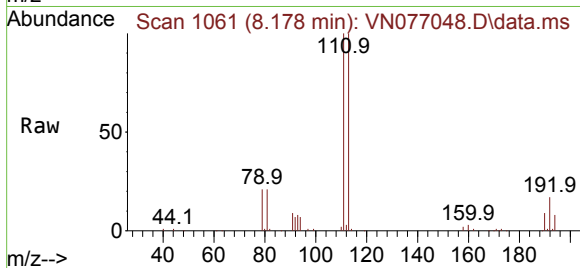
Tgt Ion:113 Resp: 217612

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.141 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

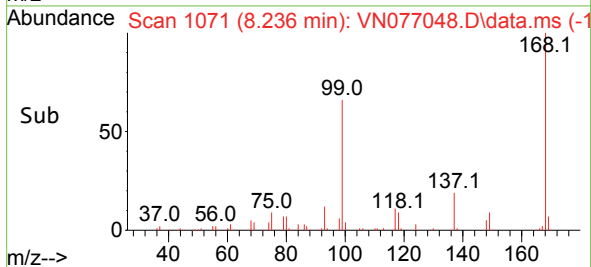
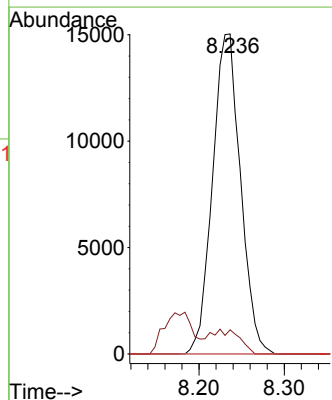
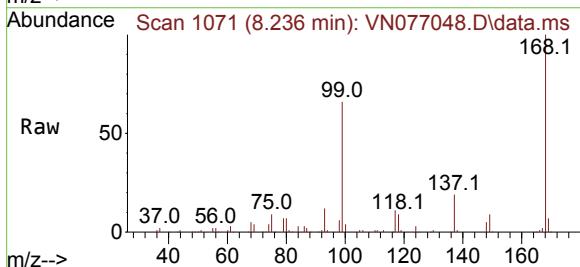
Tgt Ion: 75 Resp: 34256

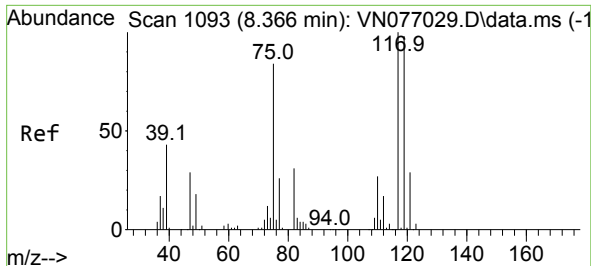
Ion Ratio Lower Upper

75 100

110 7.7 15.9 47.7#

77 0.0 24.3 36.5#

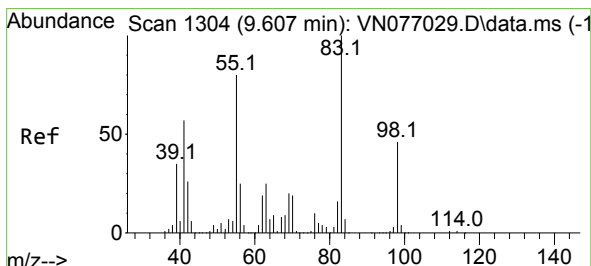
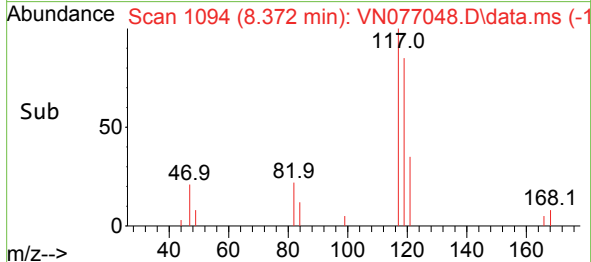
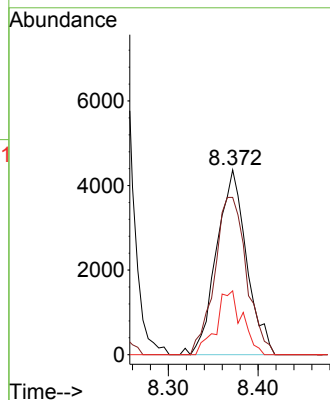
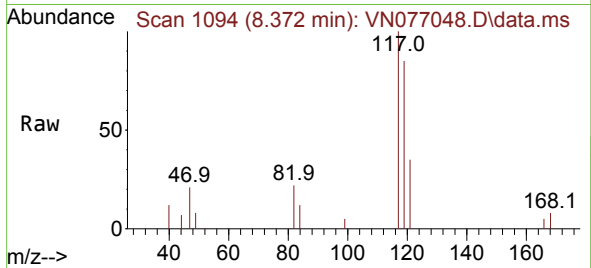




#38
Carbon Tetrachloride
Concen: 1.418 ug/l
RT: 8.372 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

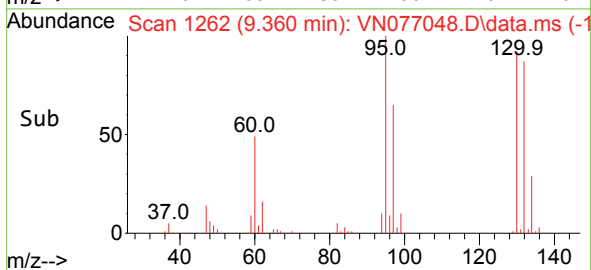
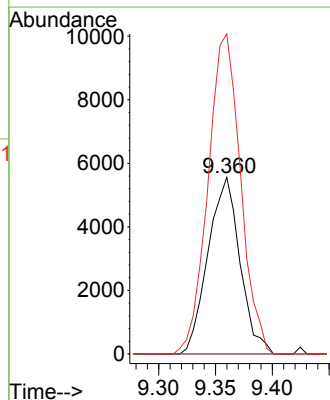
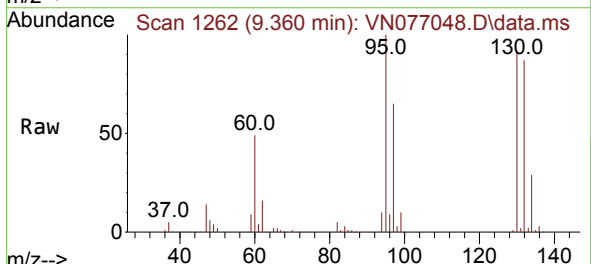
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313

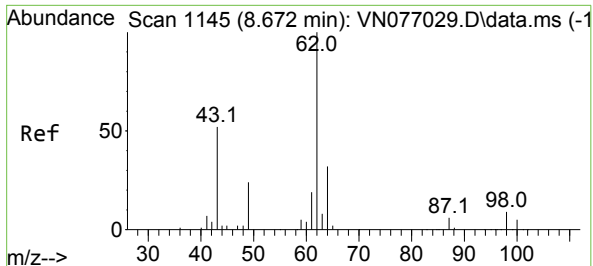
Tgt Ion:117 Resp: 10152
Ion Ratio Lower Upper
117 100
119 85.1 78.2 117.2
121 34.6 23.2 34.8



#39
Methylcyclohexane
Concen: 1.264 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 83 Resp: 10870
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 181.2 37.1 55.7#





#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 8.678 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

ClientSampleId :

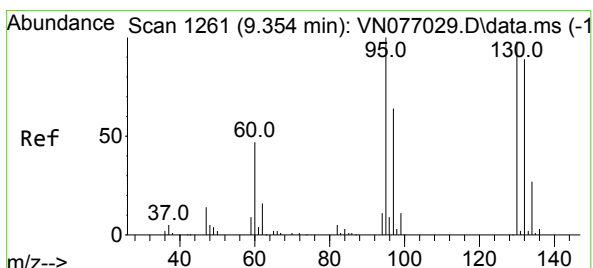
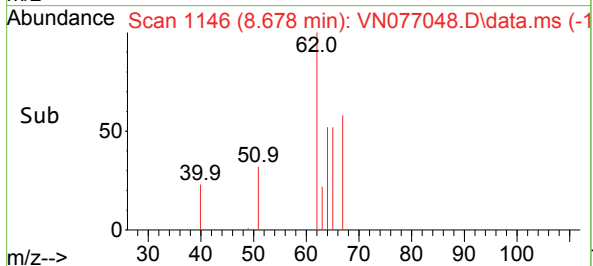
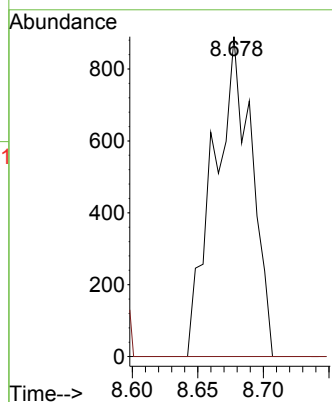
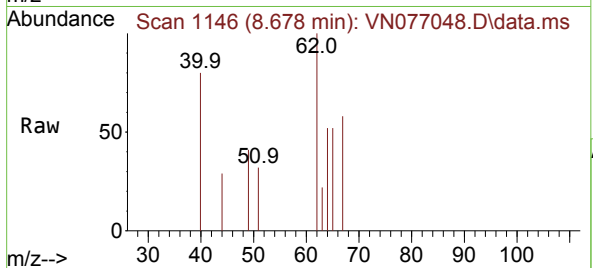
RE139D2-20230313

Tgt Ion: 62 Resp: 1786

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.4



#44

Trichloroethene

Concen: 148.736 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. 0.006 min

Lab File: VN077048.D

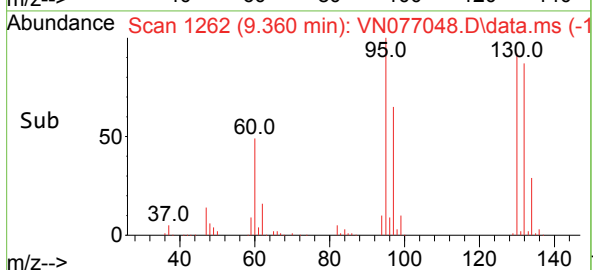
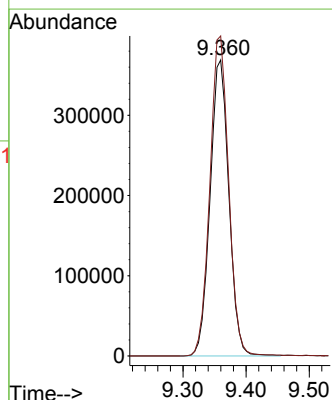
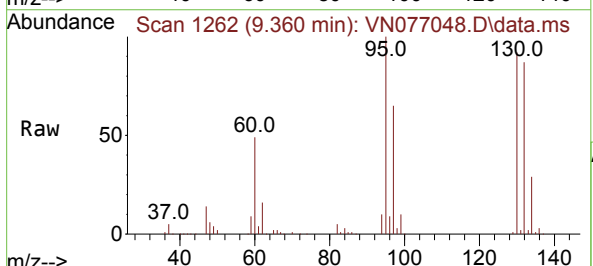
Acq: 17 Mar 2023 21:25

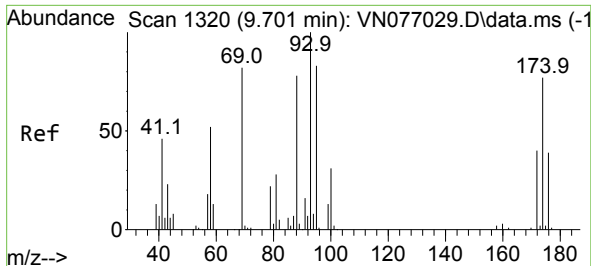
Tgt Ion: 130 Resp: 761461

Ion Ratio Lower Upper

130 100

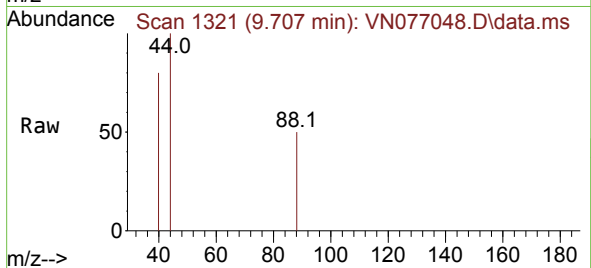
95 108.1 0.0 204.4



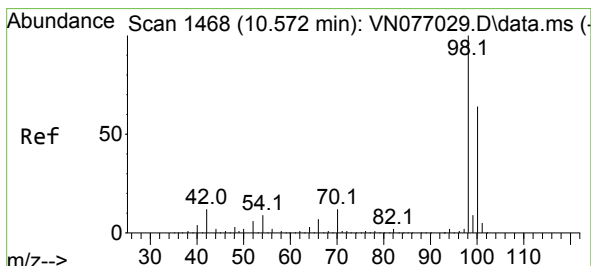
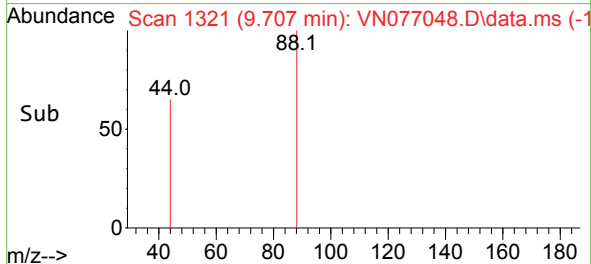
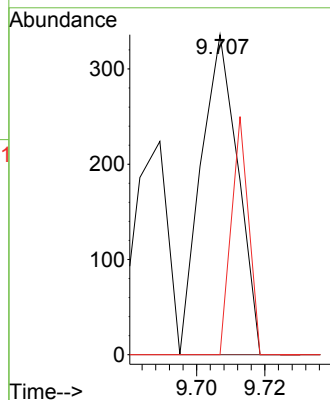


#49
1,4-Dioxane
Concen: 2.522 ug/l
RT: 9.707 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313

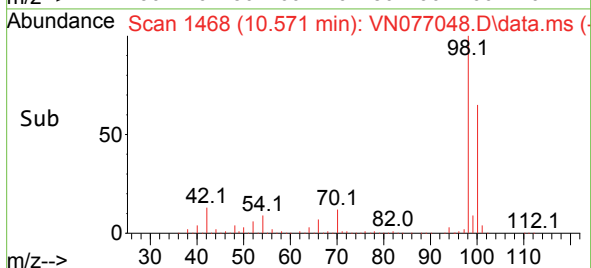
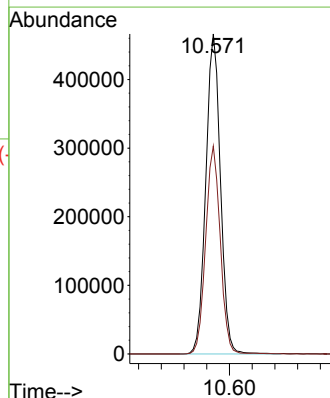
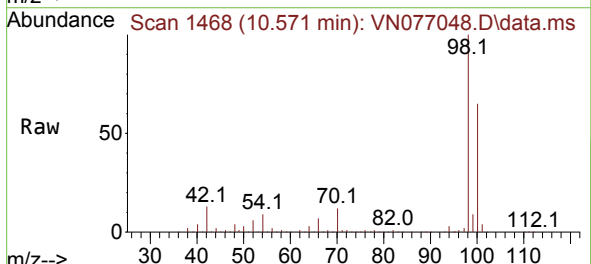


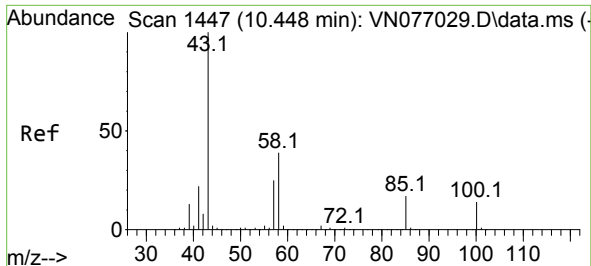
Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 34.8 60.8 91.2#



#50
Toluene-d8
Concen: 49.552 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 98 Resp: 832848
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.483 ug/l

RT: 10.571 min Scan# 1447

Delta R.T. 0.123 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

ClientSampleId :

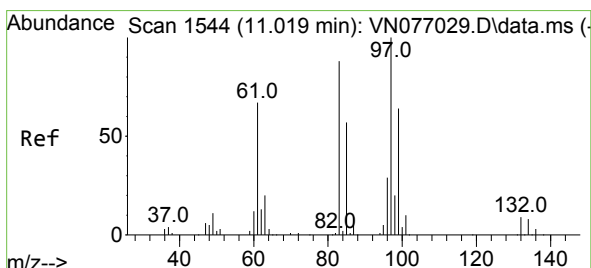
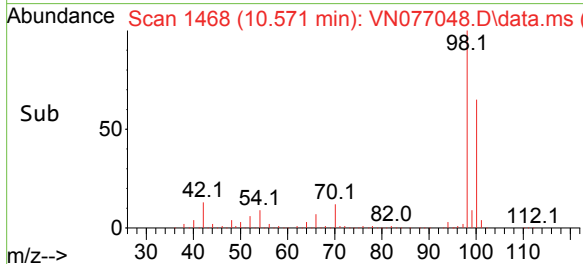
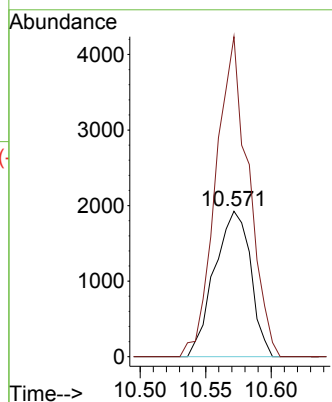
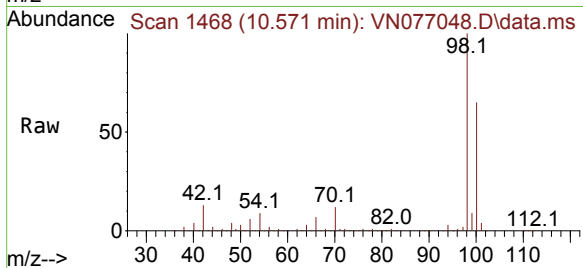
RE139D2-20230313

Tgt Ion: 43 Resp: 3697

Ion Ratio Lower Upper

43 100

58 199.5 31.1 46.7#



#55

1,1,2-Trichloroethane

Concen: 0.518 ug/l

RT: 11.024 min Scan# 1545

Delta R.T. 0.006 min

Lab File: VN077048.D

Acq: 17 Mar 2023 21:25

Tgt Ion: 97 Resp: 2718

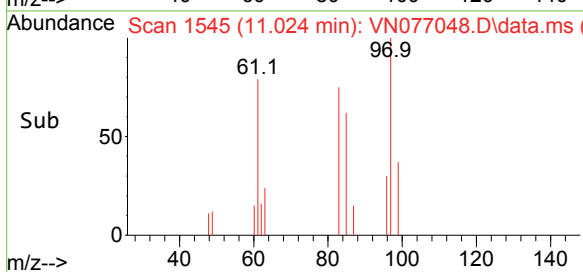
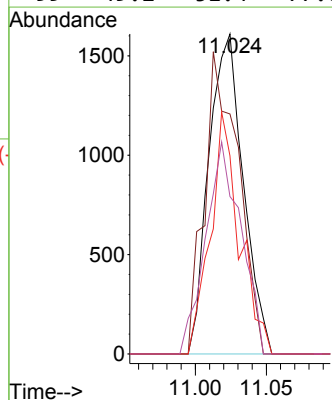
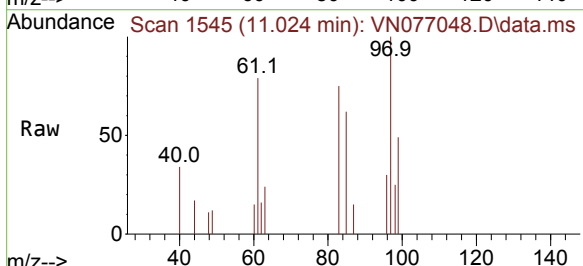
Ion Ratio Lower Upper

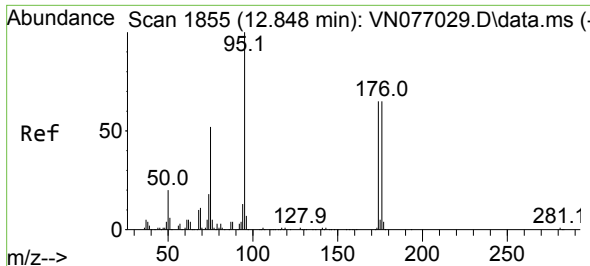
97 100

83 75.0 70.5 105.7

85 61.9 45.4 68.2

99 49.2 51.4 77.0#

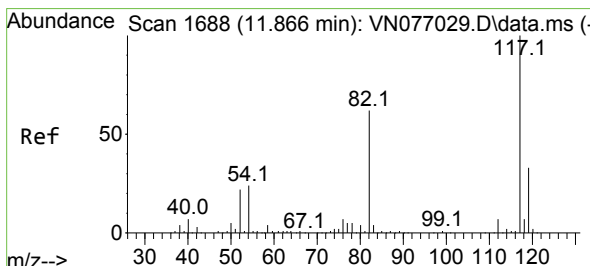
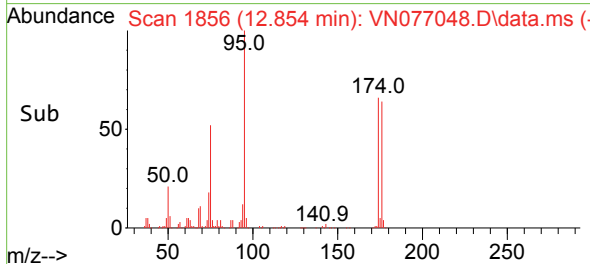
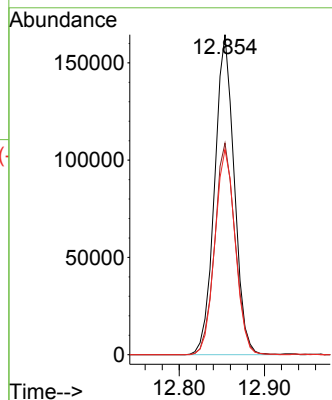
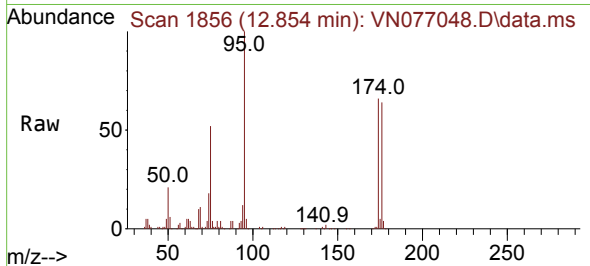




#62
4-Bromofluorobenzene
Concen: 44.229 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

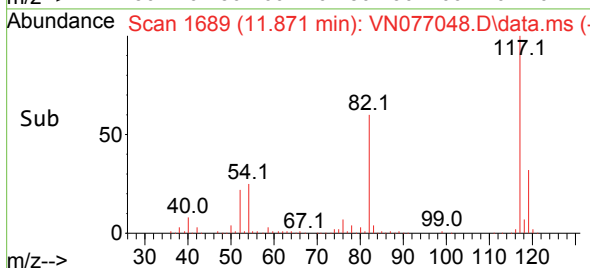
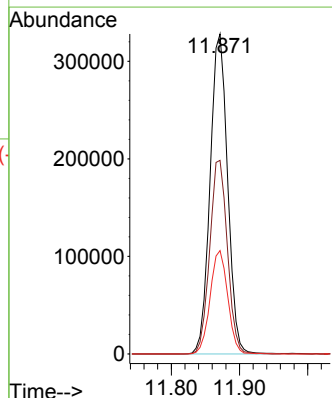
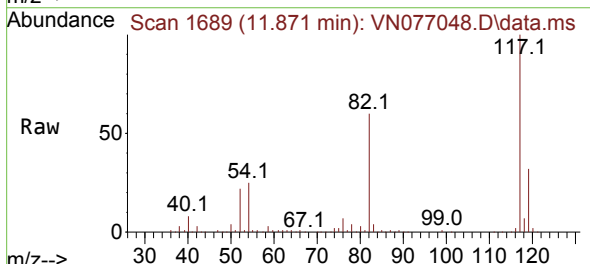
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313

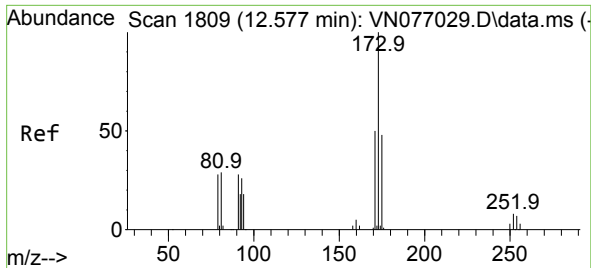
Tgt Ion: 95 Resp: 262686
Ion Ratio Lower Upper
95 100
174 68.7 0.0 136.6
176 66.7 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 117 Resp: 586634
Ion Ratio Lower Upper
117 100
82 60.5 49.4 74.0
119 32.3 26.5 39.7

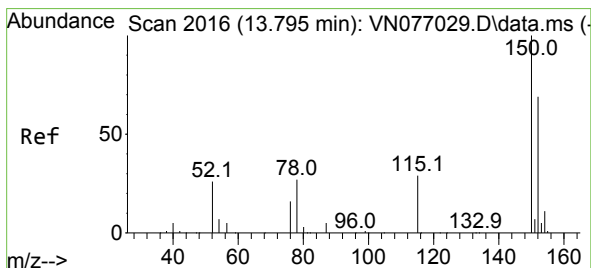
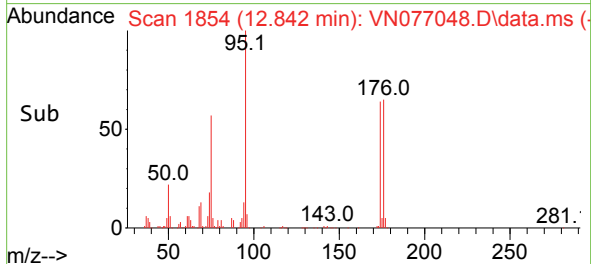
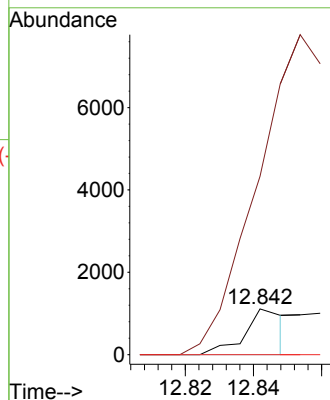
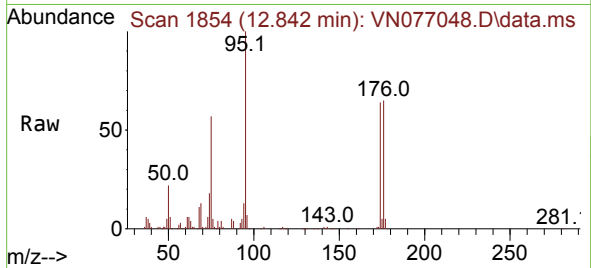




#71
Bromoform
Concen: 0.267 ug/l
RT: 12.842 min Scan# 1809
Delta R.T. 0.265 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

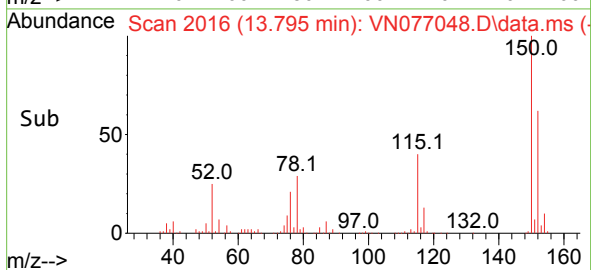
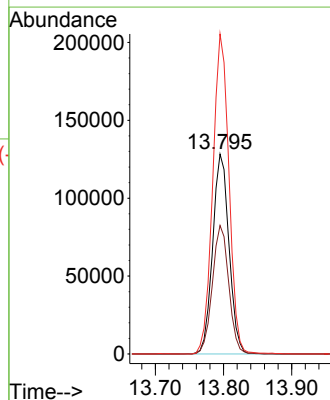
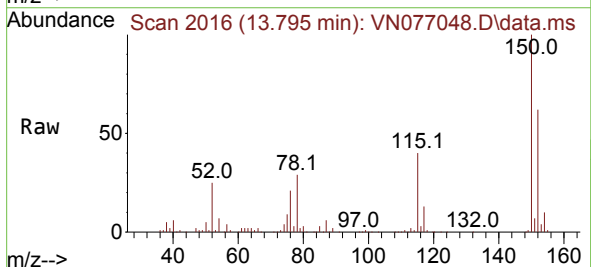
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313

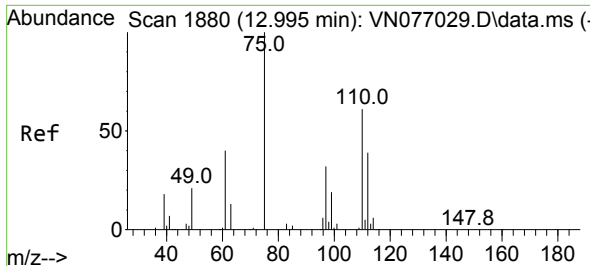
Tgt Ion:173 Resp: 903
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion:152 Resp: 214150
Ion Ratio Lower Upper
152 100
115 64.3 31.9 95.7
150 158.8 0.0 348.0

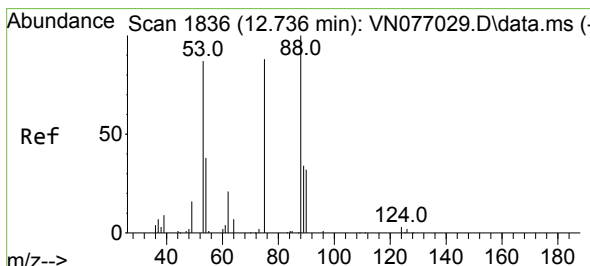
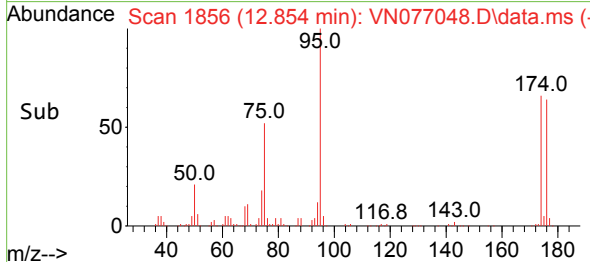
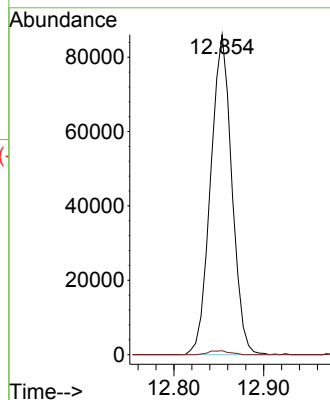
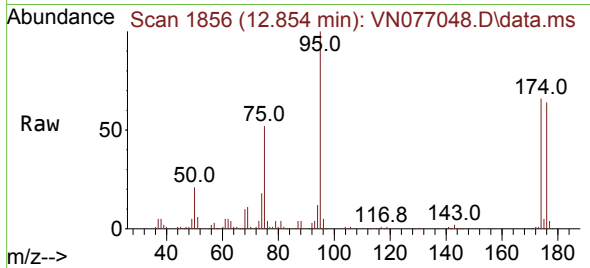




#76
1,2,3-Trichloropropane
Concen: 25.506 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

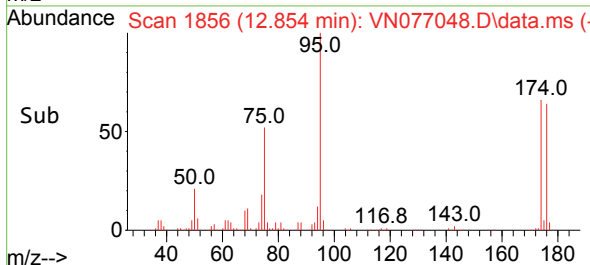
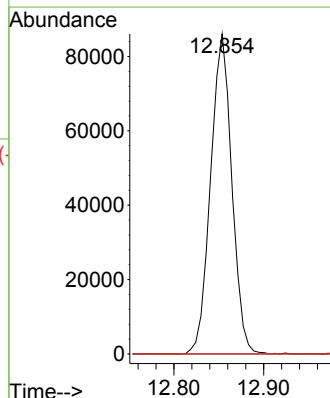
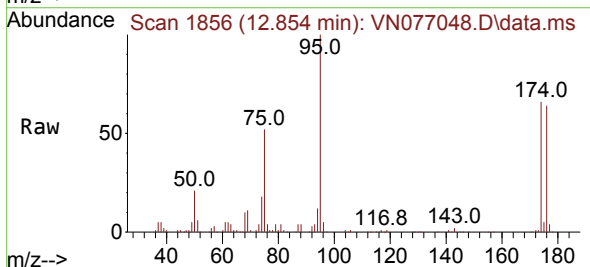
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20230313

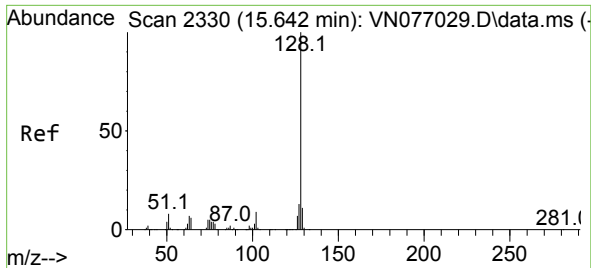
Tgt Ion: 75 Resp: 141283
Ion Ratio Lower Upper
75 100
77 1.2 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.206 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077048.D
Acq: 17 Mar 2023 21:25

Tgt Ion: 75 Resp: 141283
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 1.954 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077048.D

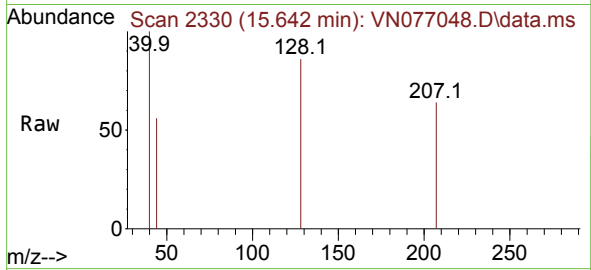
Acq: 17 Mar 2023 21:25

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20230313



Tgt Ion:128 Resp: 629

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.6 13.0#

