

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077070.D
 Acq On : 20 Mar 2023 15:53
 Operator : JC\MD
 Sample : 01941-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314

Quant Time: Mar 21 05:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	374735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	667558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	601128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	230082	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	281770	47.074	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.140%
35) Dibromofluoromethane	8.172	113	220402	47.145	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	10.572	98	820803	49.151	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.854	95	277804	47.077	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.160%

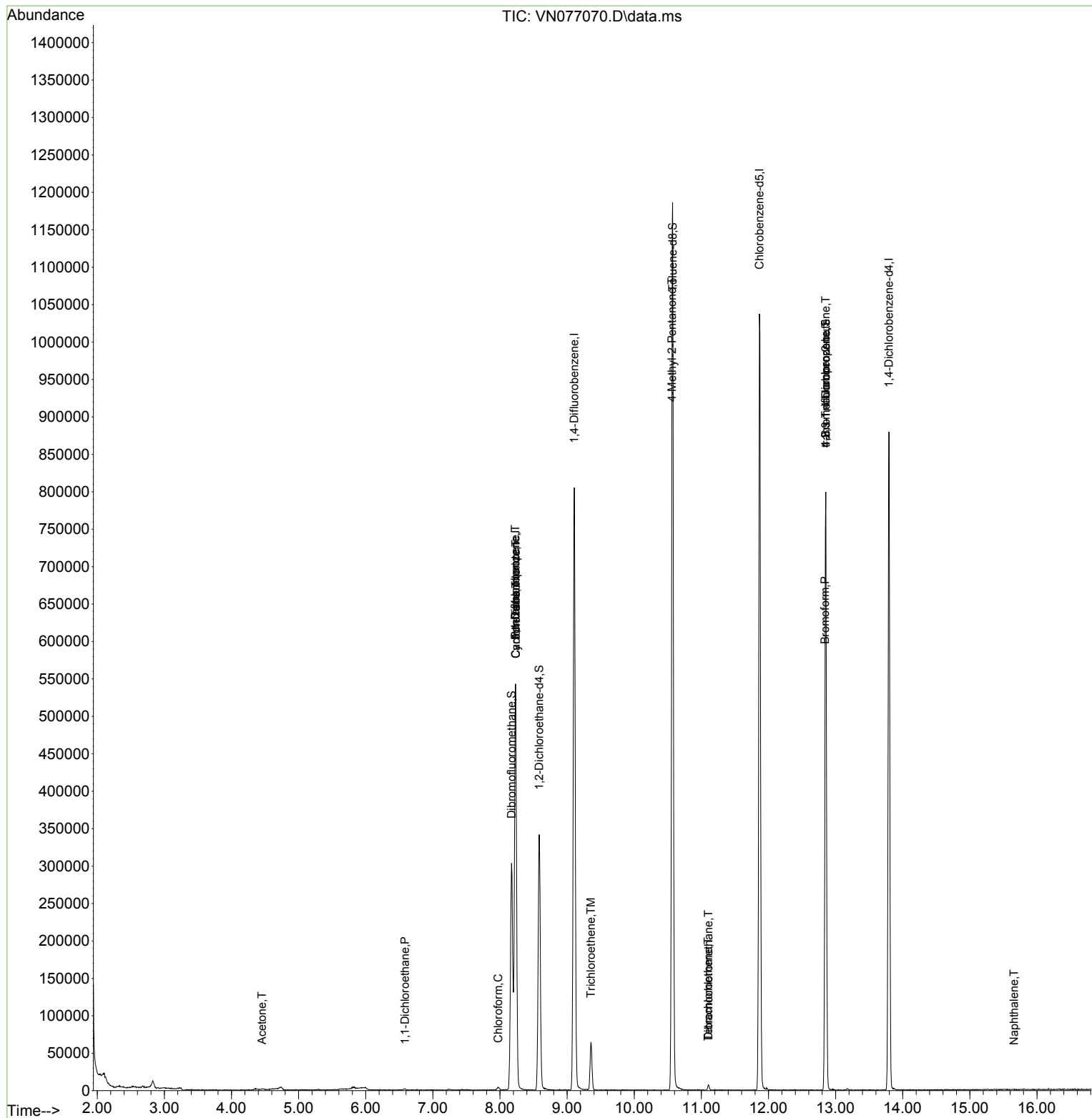
Target Compounds					Qvalue	
16) Acetone	4.454	43	1655	0.621	ug/l #	43
24) 1,1-Dichloroethane	6.584	63	2438	0.233	ug/l #	84
30) Chloroform	7.972	83	3851	0.380	ug/l	98
31) Cyclohexane	8.236	56	9107	0.930	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	33035	4.524	ug/l #	52
38) Carbon Tetrachloride	8.236	117	42127	5.923	ug/l #	16
44) Trichloroethene	9.354	130	21297	4.187	ug/l	90
51) 4-Methyl-2-Pentanone	10.560	43	3950	0.520	ug/l #	1
60) Dibromochloromethane	11.107	129	1522	0.291	ug/l #	11
64) Tetrachloroethene	11.101	164	1335	0.331	ug/l #	70
71) Bromoform	12.842	173	1440	0.415	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	149495	25.119	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	149495	69.143	ug/l #	10
95) Naphthalene	15.659	128	850	1.965	ug/l #	70

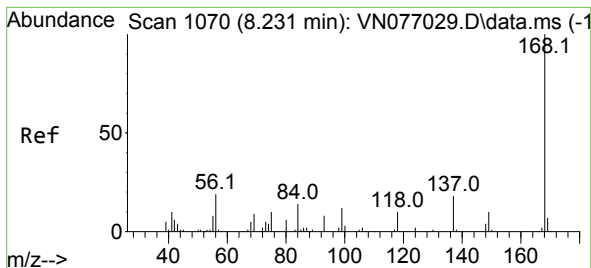
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

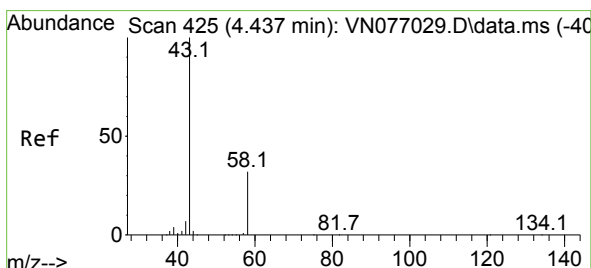
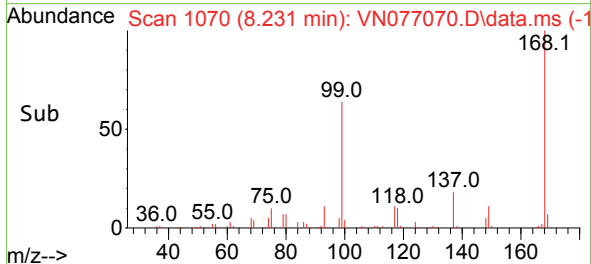
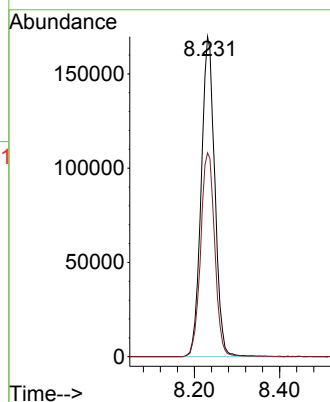
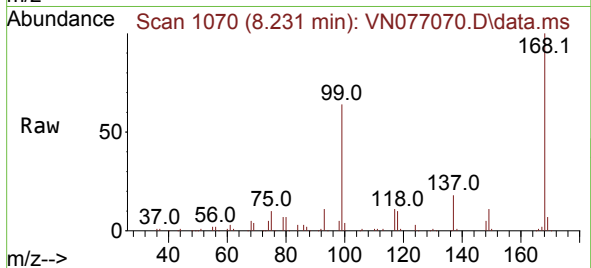
DUP07-20230314

Tgt Ion:168 Resp: 374735

Ion Ratio Lower Upper

168 100

99 63.7 53.9 80.9



#16

Acetone

Concen: 0.621 ug/l

RT: 4.454 min Scan# 428

Delta R.T. 0.017 min

Lab File: VN077070.D

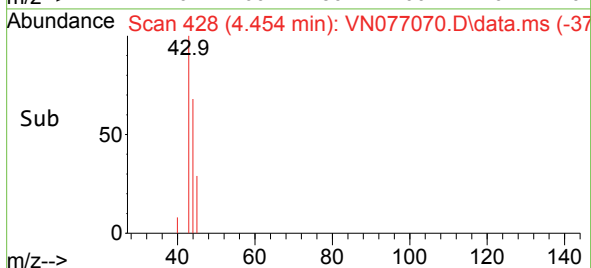
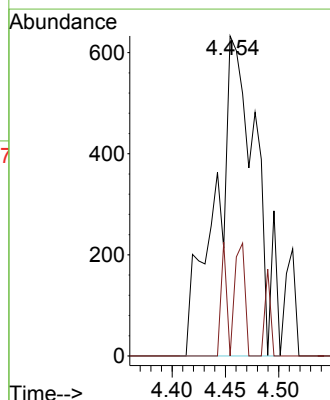
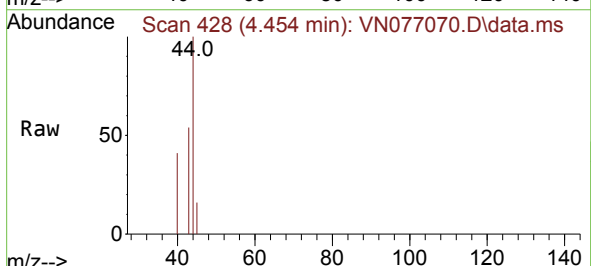
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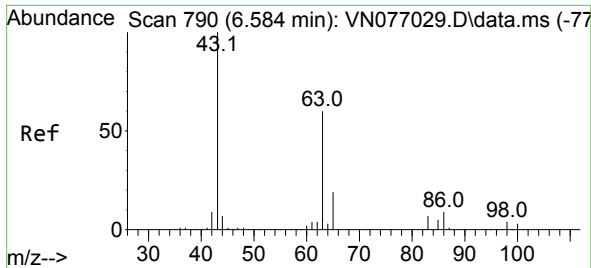
Tgt Ion: 43 Resp: 1655

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#

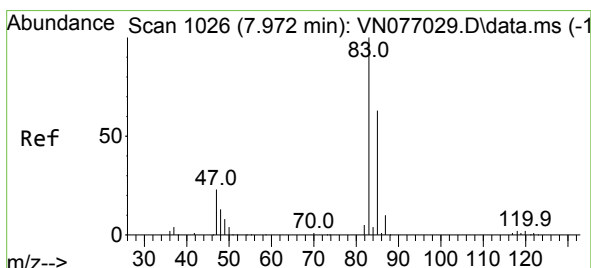
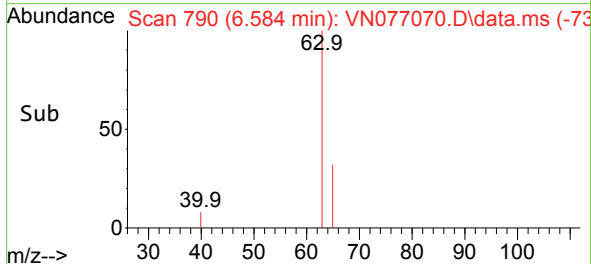
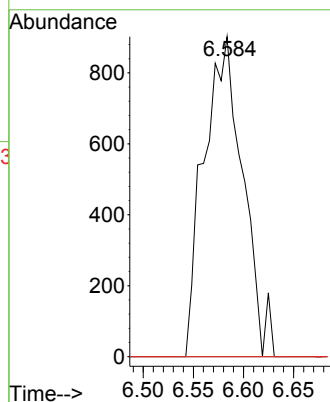
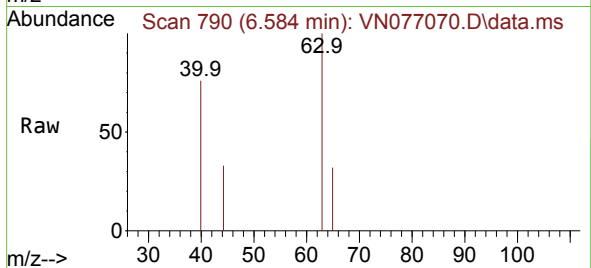




#24
1,1-Dichloroethane
Concen: 0.233 ug/l
RT: 6.584 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

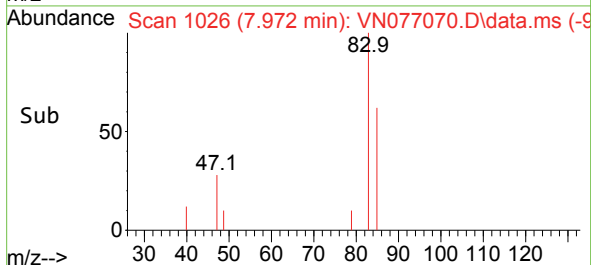
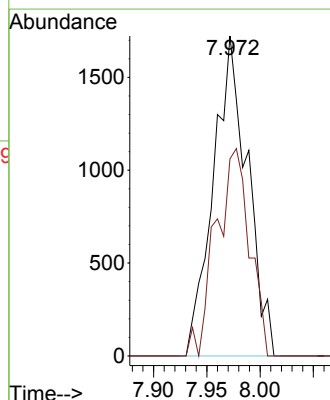
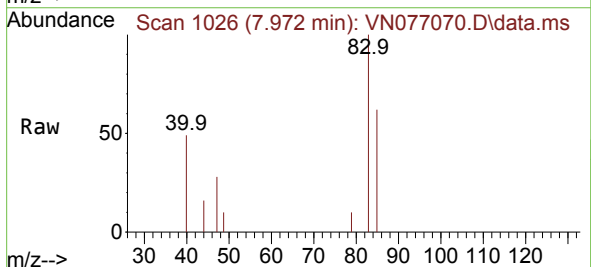
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

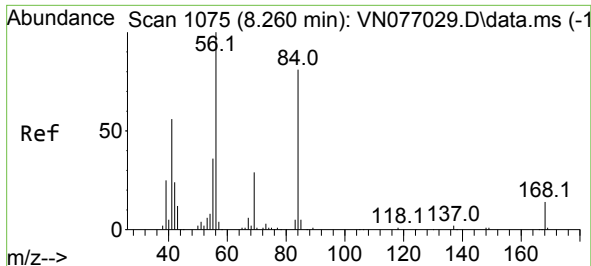
Tgt Ion: 63 Resp: 2438
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 2.1 6.3#



#30
Chloroform
Concen: 0.380 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

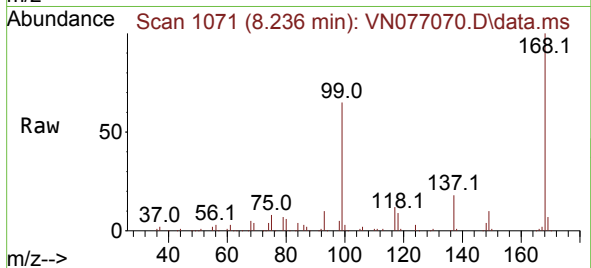
Tgt Ion: 83 Resp: 3851
Ion Ratio Lower Upper
83 100
85 61.6 50.6 75.8



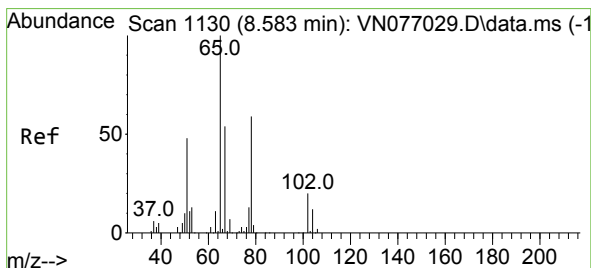
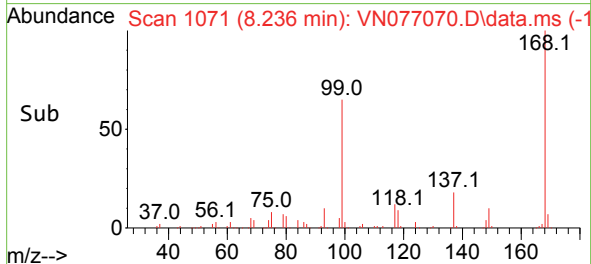
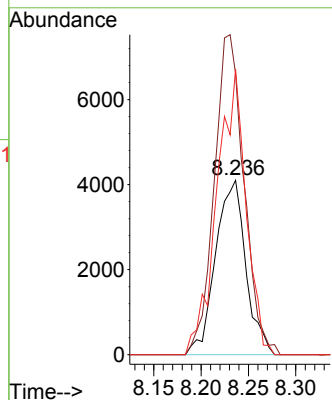


#31
Cyclohexane
Concen: 0.930 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

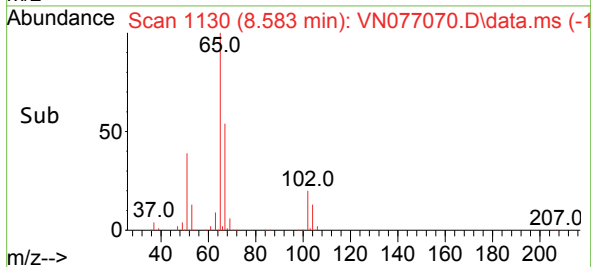
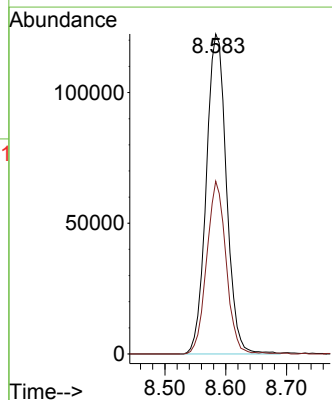
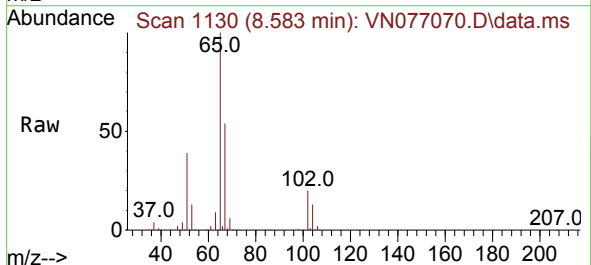


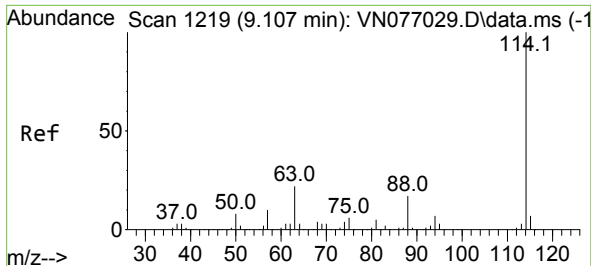
Tgt Ion: 56 Resp: 9107
Ion Ratio Lower Upper
56 100
69 161.3 22.8 34.2#
84 164.0 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 47.074 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 65 Resp: 281770
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20230314

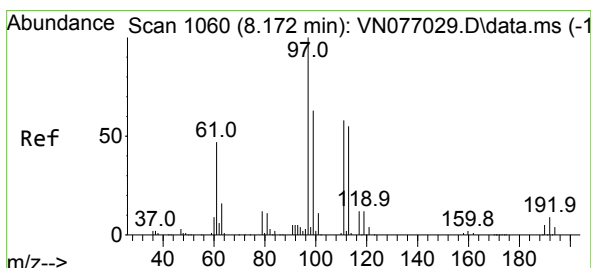
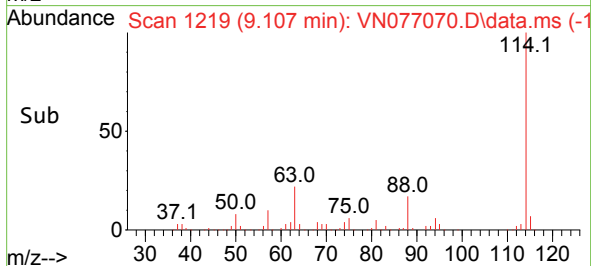
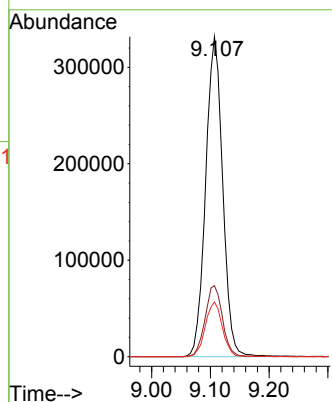
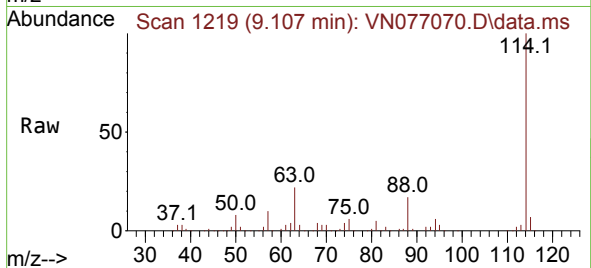
Tgt Ion:114 Resp: 667558

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 17.1 0.0 33.8



#35

Dibromofluoromethane

Concen: 47.145 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

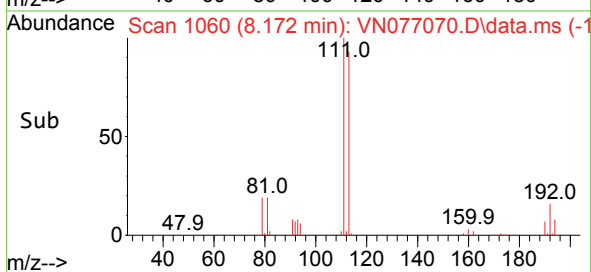
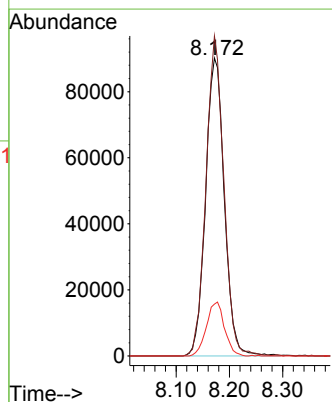
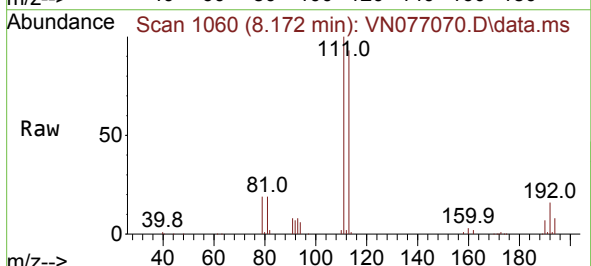
Tgt Ion:113 Resp: 220402

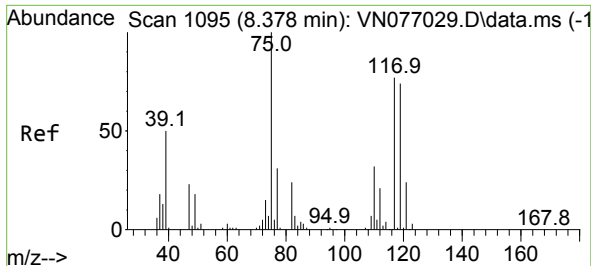
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 17.4 13.0 19.6

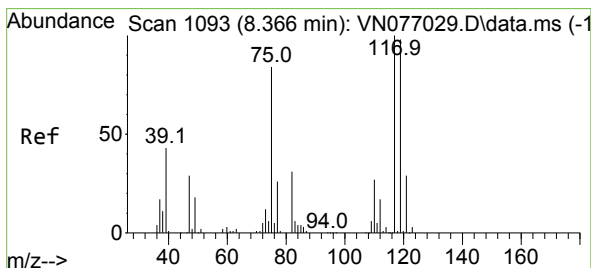
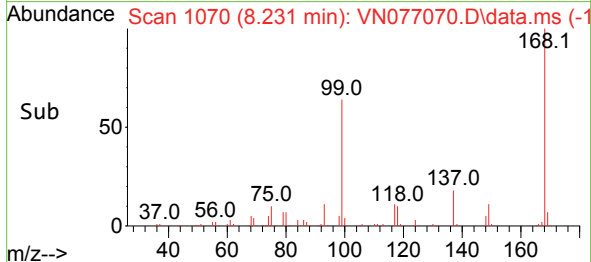
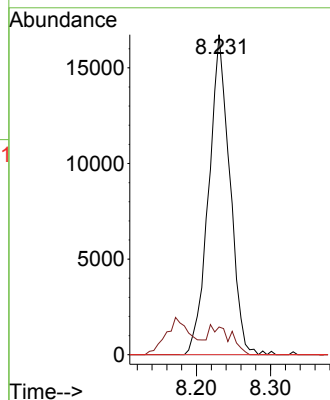
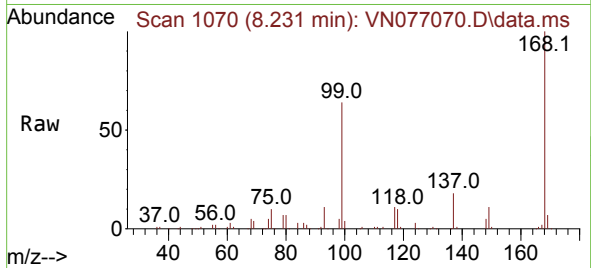




#36
1,1-Dichloropropene
Concen: 4.524 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

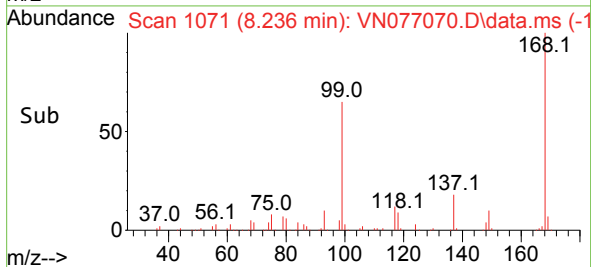
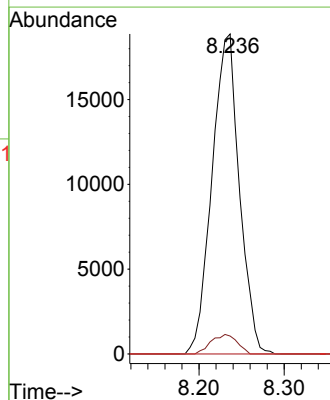
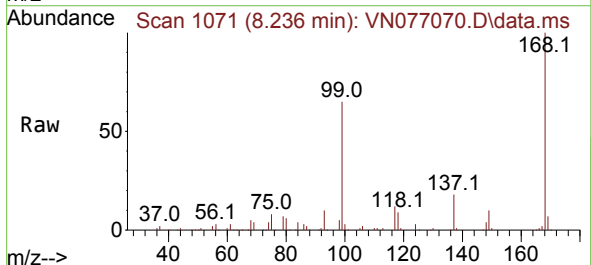
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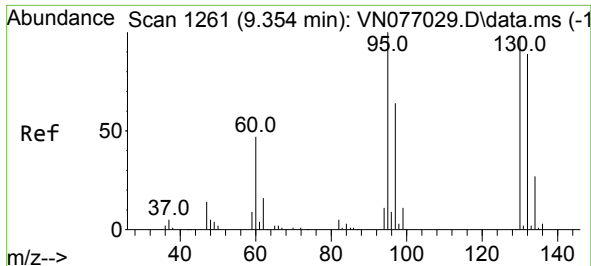
Tgt Ion: 75 Resp: 33035
Ion Ratio Lower Upper
75 100
110 9.2 15.9 47.7#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.129 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 117 Resp: 42127
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 23.2 34.8#

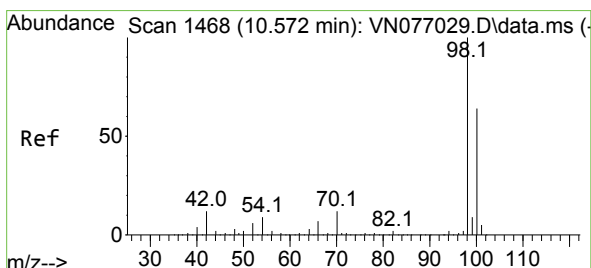
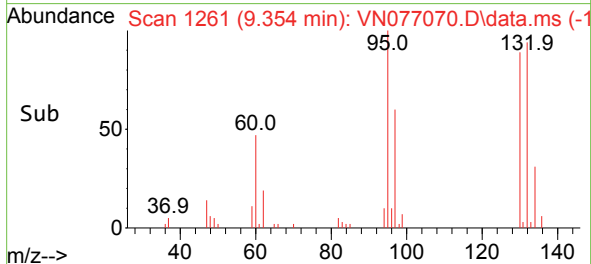
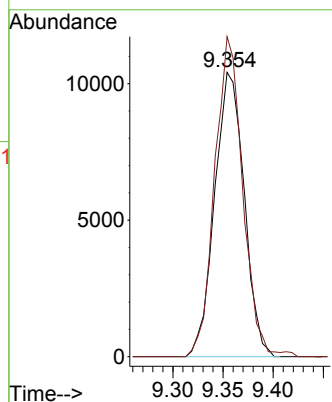
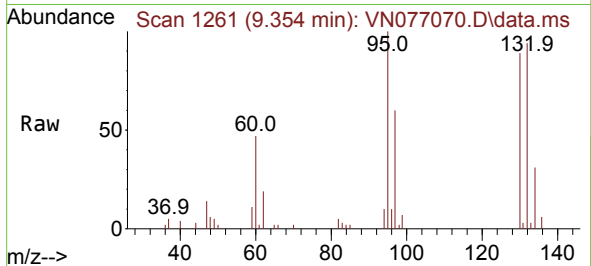




#44
Trichloroethene
Concen: 4.187 ug/l
RT: 9.354 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

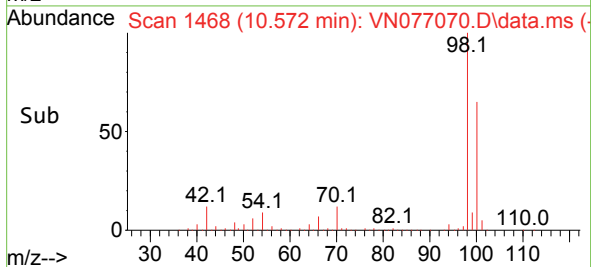
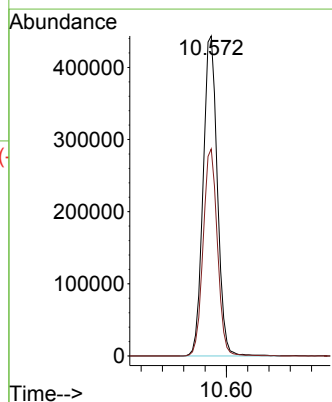
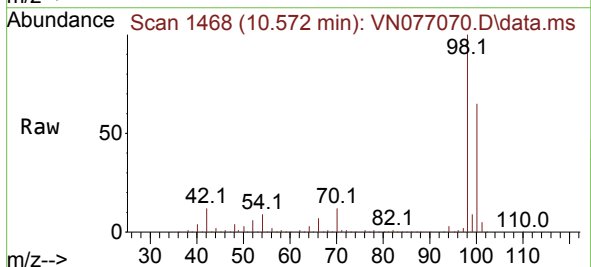
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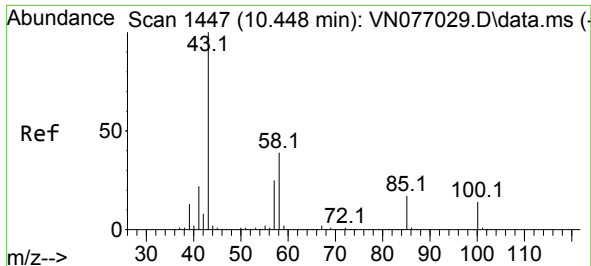
Tgt Ion:130 Resp: 21297
Ion Ratio Lower Upper
130 100
95 112.5 0.0 204.4



#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 98 Resp: 820803
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.520 ug/l

RT: 10.560 min Scan# 1447

Delta R.T. 0.112 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

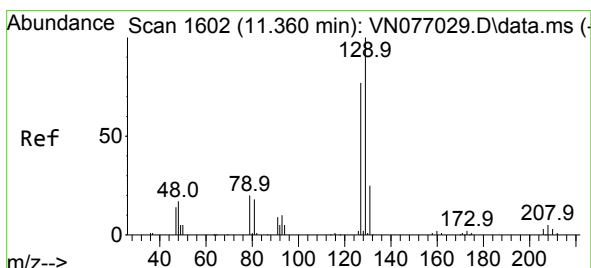
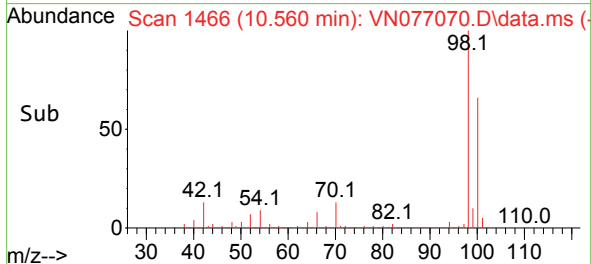
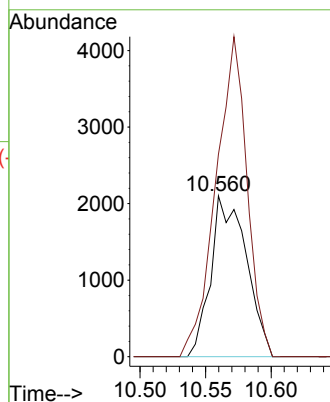
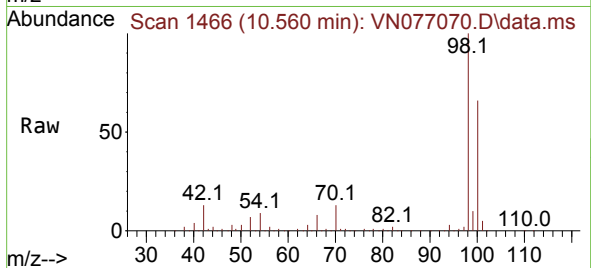
DUP07-20230314

Tgt Ion: 43 Resp: 3950

Ion Ratio Lower Upper

43 100

58 174.6 31.1 46.7#



#60

Dibromochloromethane

Concen: 0.291 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.253 min

Lab File: VN077070.D

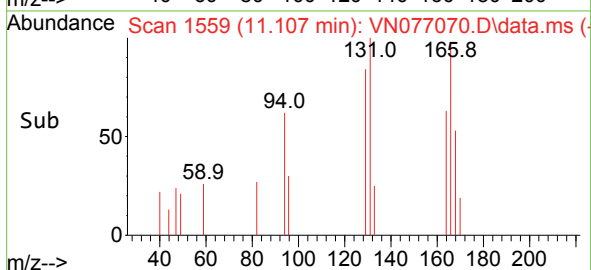
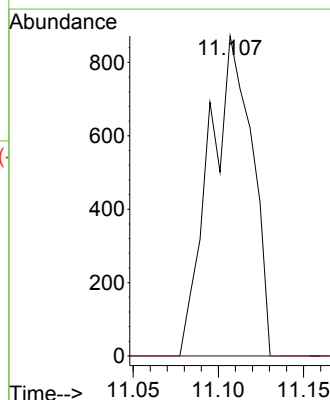
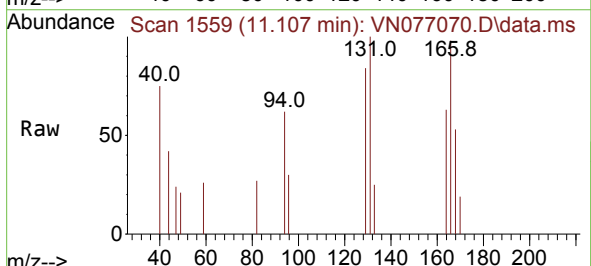
Acq: 20 Mar 2023 15:53

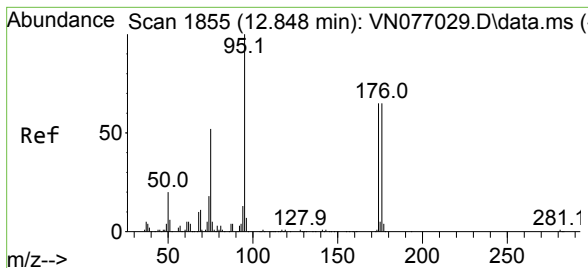
Tgt Ion: 129 Resp: 1522

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#

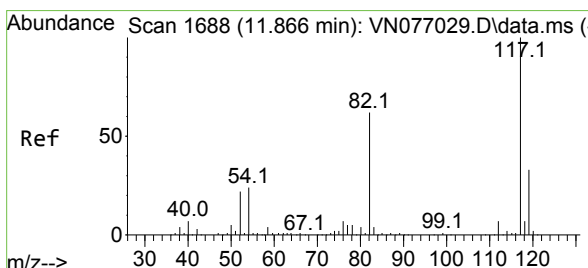
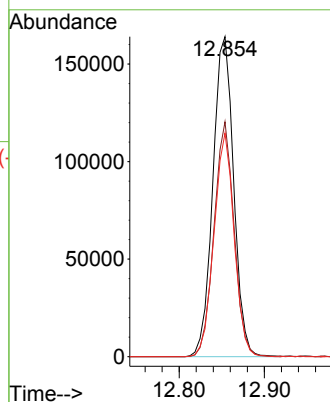
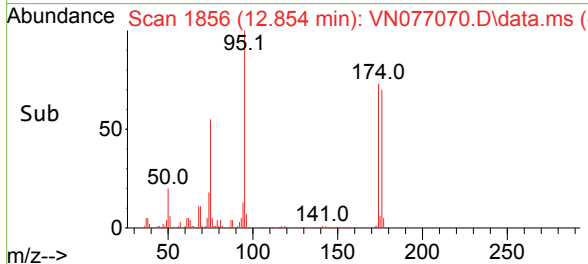
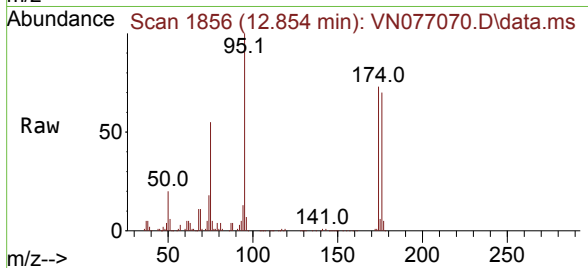




#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

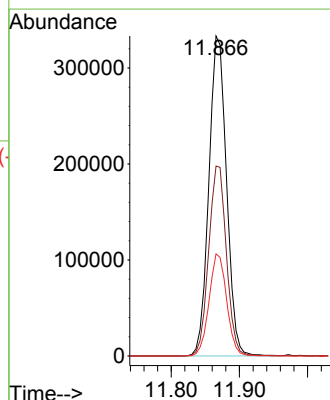
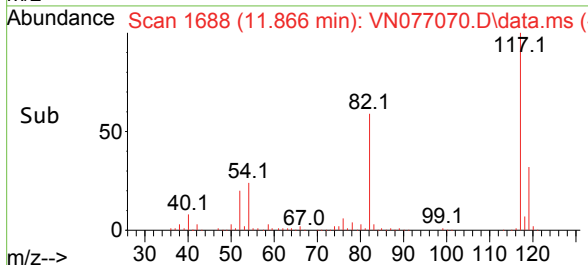
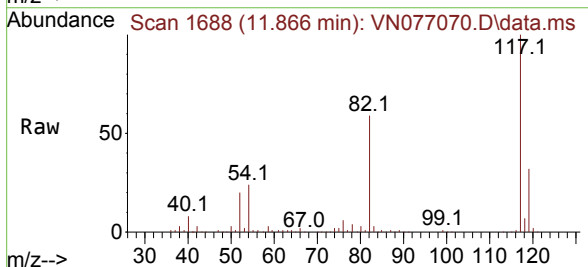
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

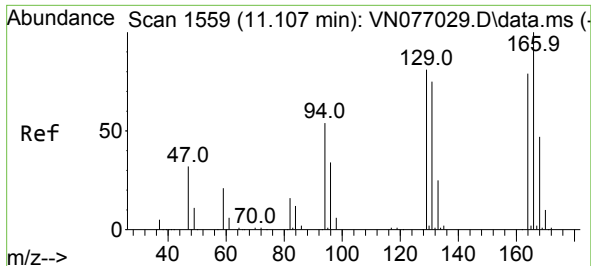
Tgt Ion: 95 Resp: 277804
Ion Ratio Lower Upper
95 100
174 70.8 0.0 136.6
176 67.7 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

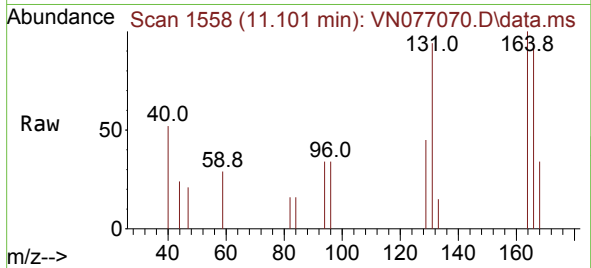
Tgt Ion: 117 Resp: 601128
Ion Ratio Lower Upper
117 100
82 59.4 49.4 74.0
119 31.9 26.5 39.7



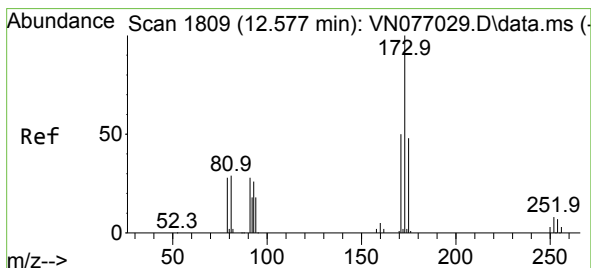
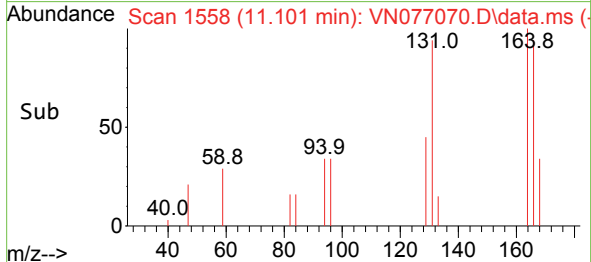
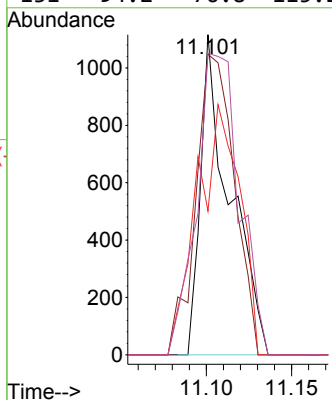


#64
Tetrachloroethene
Concen: 0.331 ug/l
RT: 11.101 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

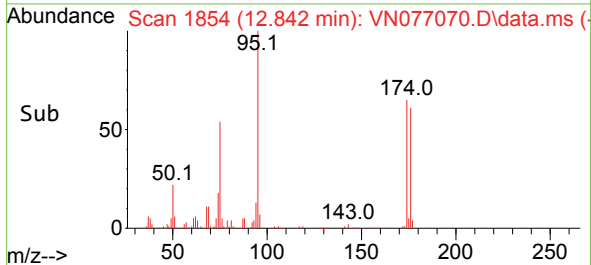
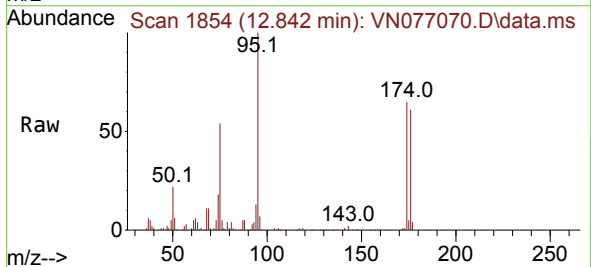
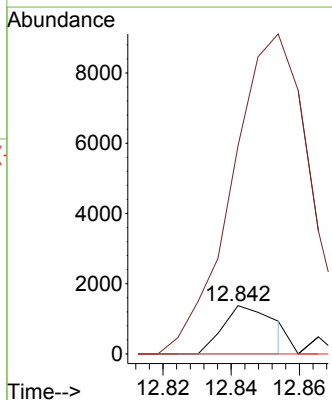


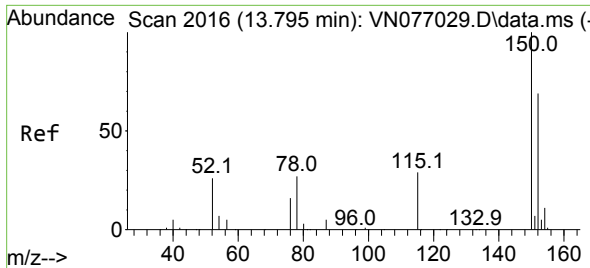
Tgt Ion:164 Resp: 1335
Ion Ratio Lower Upper
164 100
166 93.9 101.9 152.9#
129 44.9 82.6 123.8#
131 94.2 76.8 115.2



#71
Bromoform
Concen: 0.415 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.265 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion:173 Resp: 1440
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#

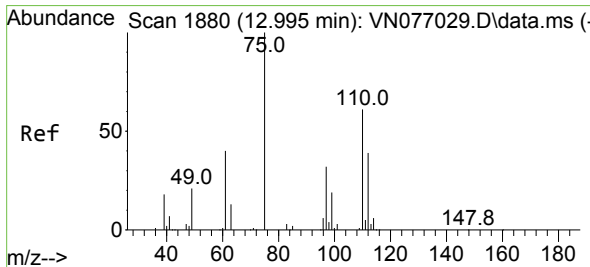
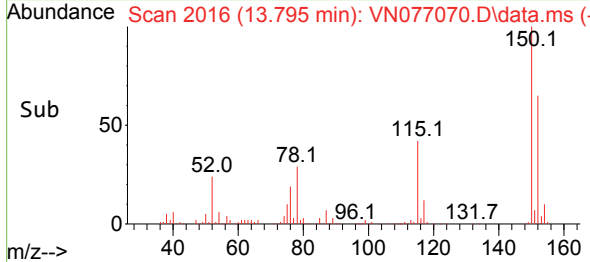
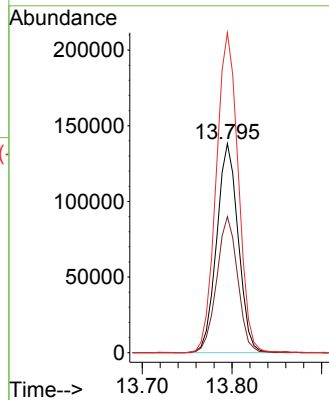
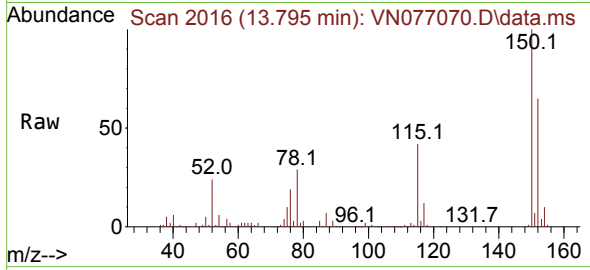




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN077070.D
 Acq: 20 Mar 2023 15:53

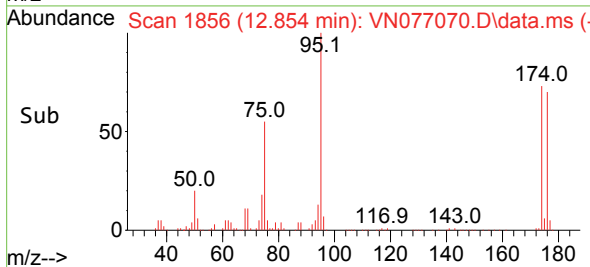
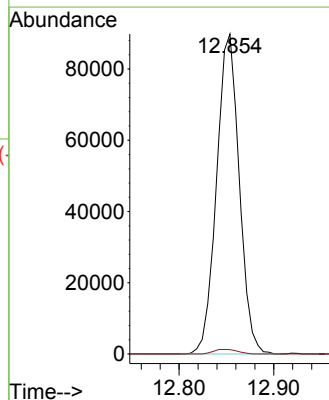
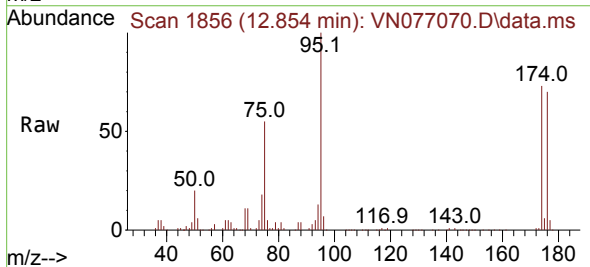
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314

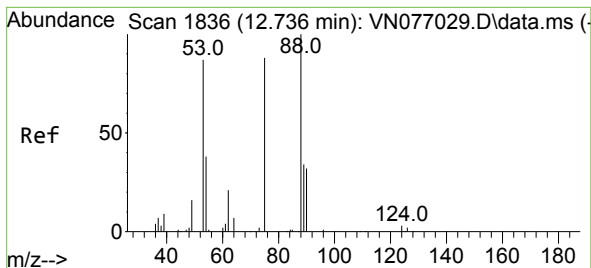
Tgt Ion:152 Resp: 230082
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.9 95.7
 150 157.2 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 25.119 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077070.D
 Acq: 20 Mar 2023 15:53

Tgt Ion: 75 Resp: 149495
 Ion Ratio Lower Upper
 75 100
 77 1.5 107.3 322.0#

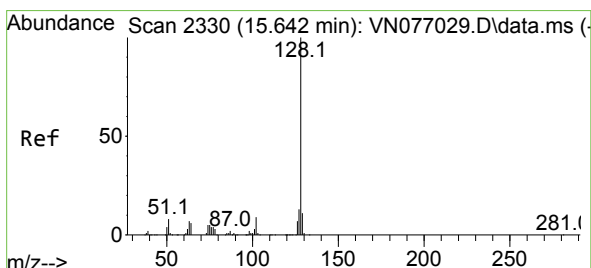
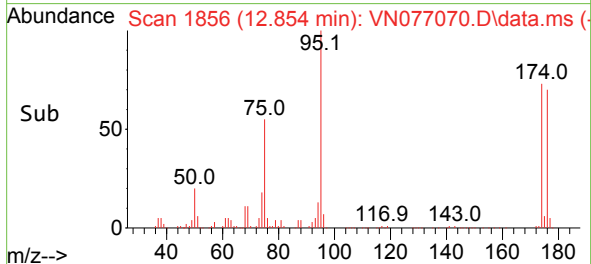
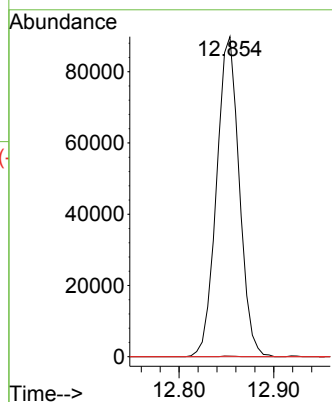
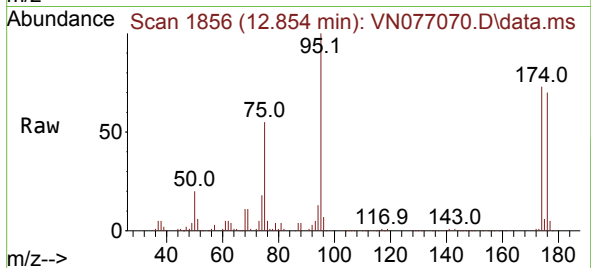




#81
trans-1,4-Dichloro-2-butene
Concen: 69.143 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

Tgt Ion: 75 Resp: 149495
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.965 ug/l
RT: 15.659 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 128 Resp: 850
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

