

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077071.D
 Acq On : 20 Mar 2023 16:18
 Operator : JC\MD
 Sample : 01941-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT162S1-20230314

Quant Time: Mar 21 05:37:46 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

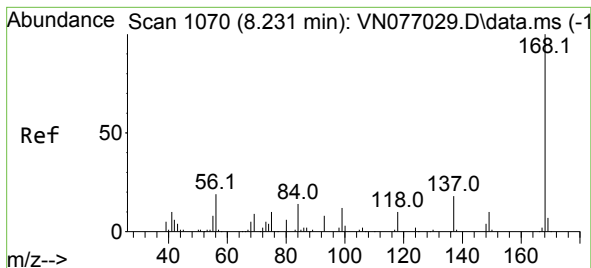
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	379031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	689023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	594404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	223912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	284100	46.925	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.840%
35) Dibromofluoromethane	8.172	113	220910	45.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	10.572	98	830108	48.159	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.320%
62) 4-Bromofluorobenzene	12.848	95	275812	45.283	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.149	85	83	Below Cal	#	42
6) Chloroethane	3.113	64	567	0.217	ug/l #	42
12) 1,1-Dichloroethene	4.348	96	2178	0.473	ug/l #	64
16) Acetone	4.466	43	1291	0.479	ug/l #	43
24) 1,1-Dichloroethane	6.572	63	10514	0.995	ug/l #	90
27) cis-1,2-Dichloroethene	7.489	96	1248	0.218	ug/l	93
30) Chloroform	7.978	83	4198	0.410	ug/l	93
31) Cyclohexane	8.236	56	9318	0.941	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	34353	4.558	ug/l #	52
38) Carbon Tetrachloride	8.230	117	41980	5.719	ug/l #	17
44) Trichloroethene	9.354	130	64540	12.293	ug/l	99
49) 1,4-Dioxane	9.713	88	125	1.215	ug/l #	21
51) 4-Methyl-2-Pentanone	10.572	43	3787	0.483	ug/l #	1
60) Dibromochloromethane	11.095	129	4188	0.775	ug/l #	11
64) Tetrachloroethene	11.113	164	4619	1.158	ug/l	88
71) Bromoform	12.848	173	1339	0.390	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	149208	25.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	149208	70.911	ug/l #	10
95) Naphthalene	15.642	128	571	1.949	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: VN077071.D

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MSVOA_N

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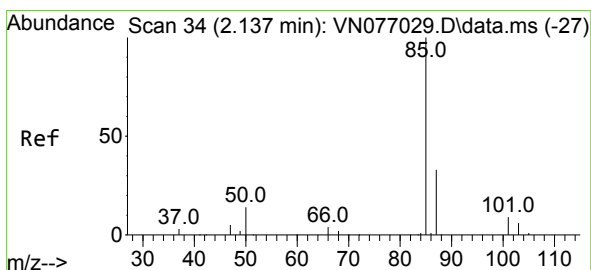
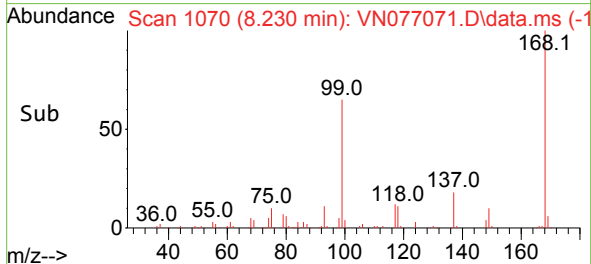
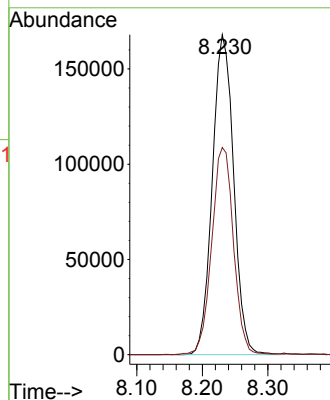
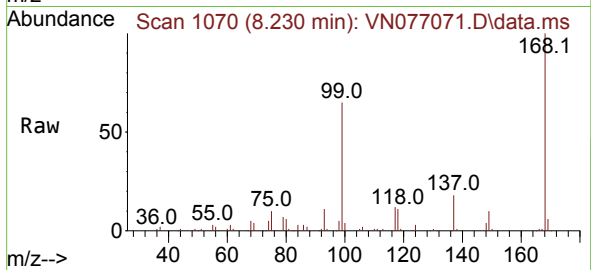
TT162S1-20230314

Tgt Ion:168 Resp: 379031

Ion Ratio Lower Upper

168 100

99 64.5 53.9 80.9



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.149 min Scan# 36

Delta R.T. 0.012 min

Lab File: VN077071.D

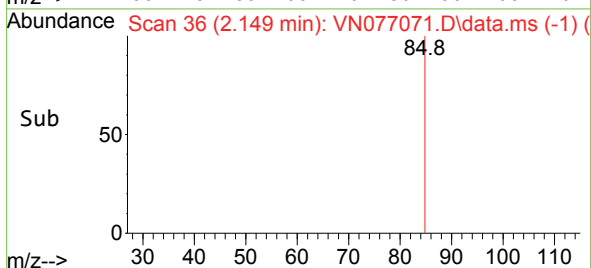
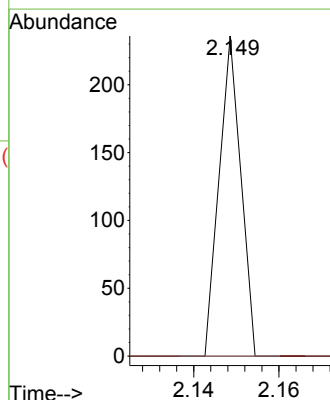
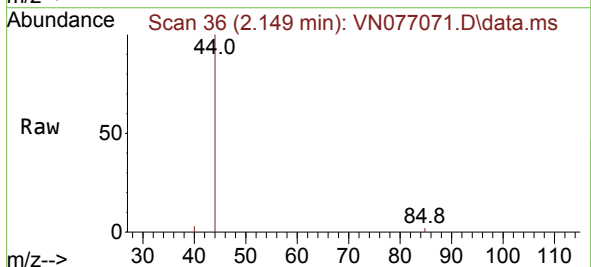
Acq: 20 Mar 2023 16:18

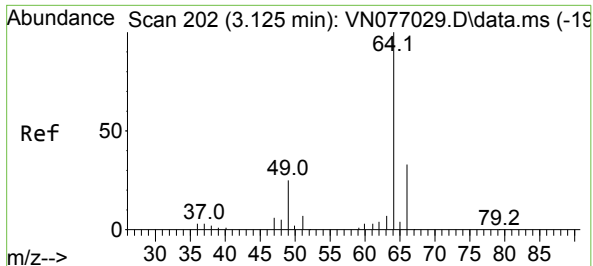
Tgt Ion: 85 Resp: 83

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#

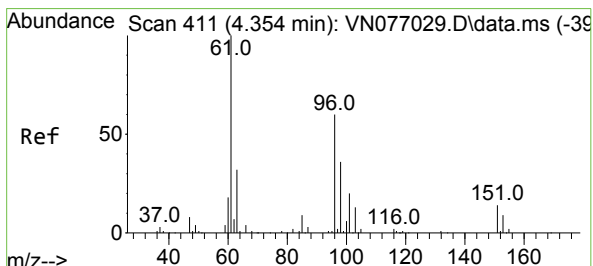
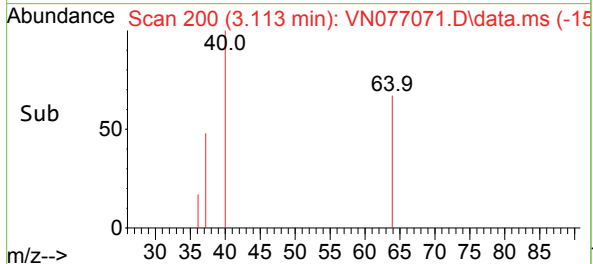
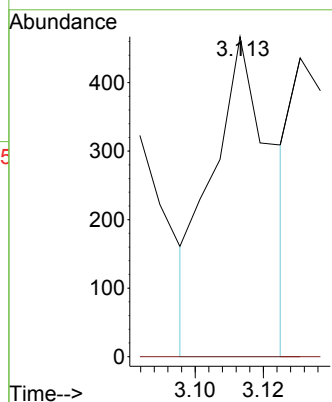
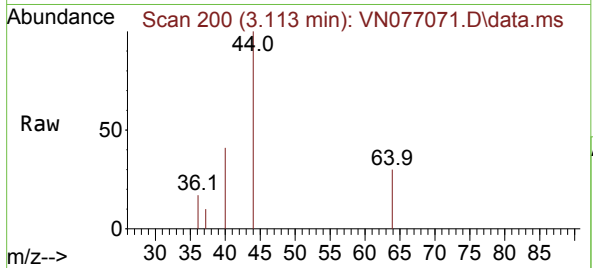




#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.113 min Scan# 20
Delta R.T. -0.012 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

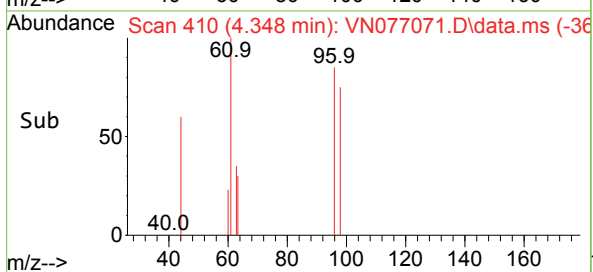
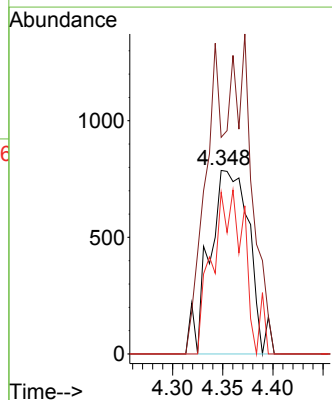
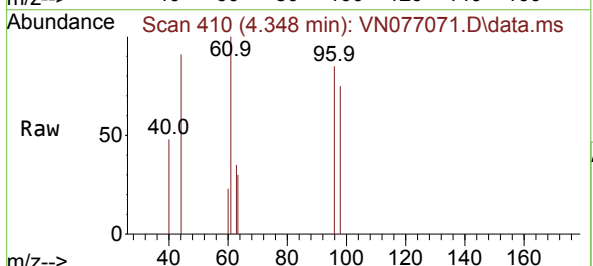
Instrument :
MSVOA_N
ClientSampleId :
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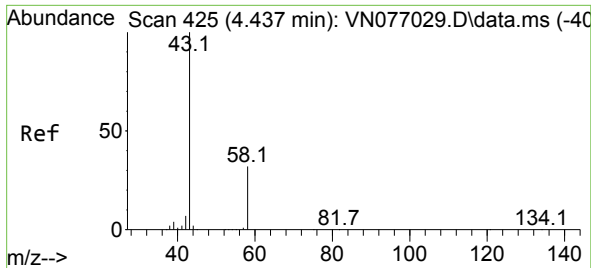
Tgt Ion: 64 Resp: 567
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#12
1,1-Dichloroethene
Concen: 0.473 ug/l
RT: 4.348 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion: 96 Resp: 2178
Ion Ratio Lower Upper
96 100
61 118.0 133.8 200.8#
98 88.1 48.6 72.8#

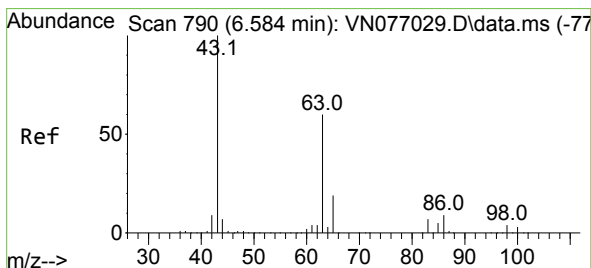
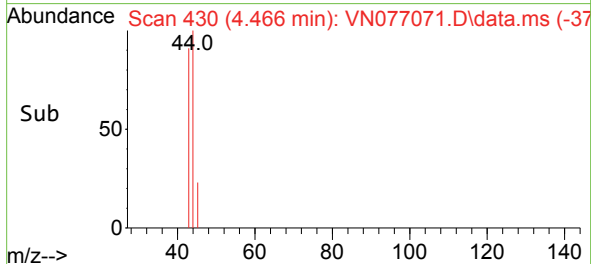
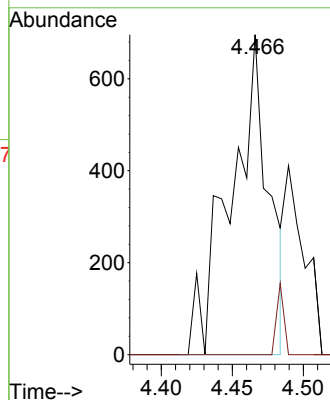
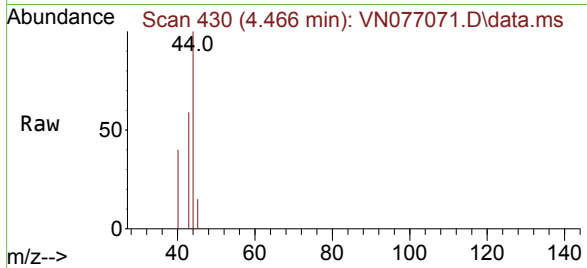




#16
Acetone
Concen: 0.479 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

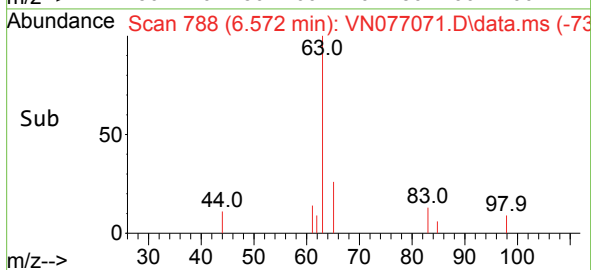
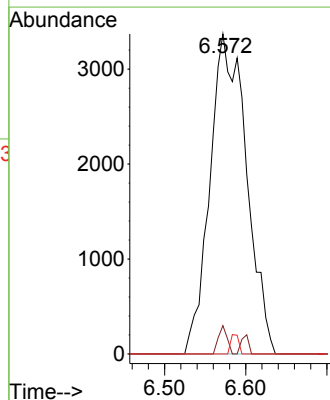
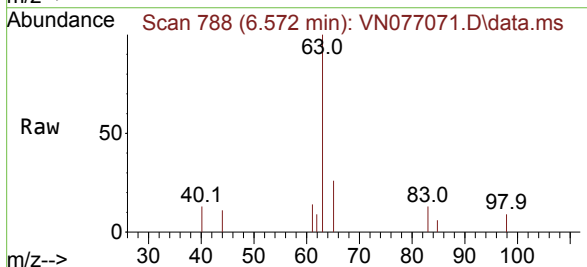
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

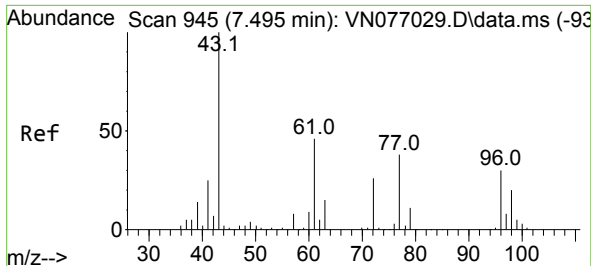
Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#24
1,1-Dichloroethane
Concen: 0.995 ug/l
RT: 6.572 min Scan# 788
Delta R.T. -0.012 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion: 63 Resp: 10514
Ion Ratio Lower Upper
63 100
98 8.9 3.1 9.4
100 0.0 2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 0.218 ug/l

RT: 7.489 min Scan# 94

Delta R.T. -0.006 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20230314

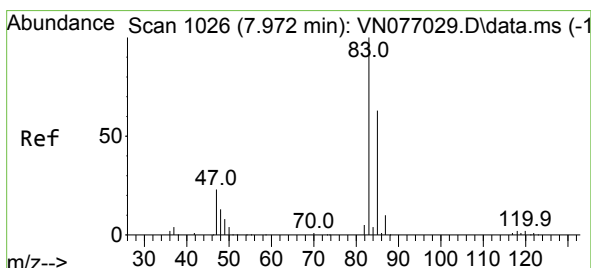
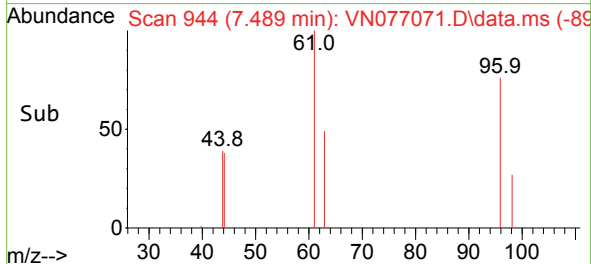
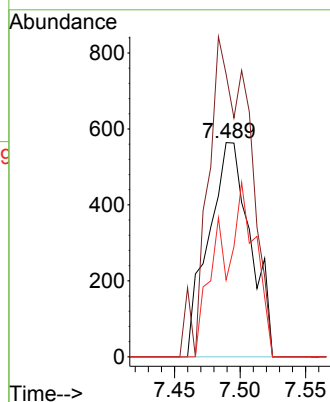
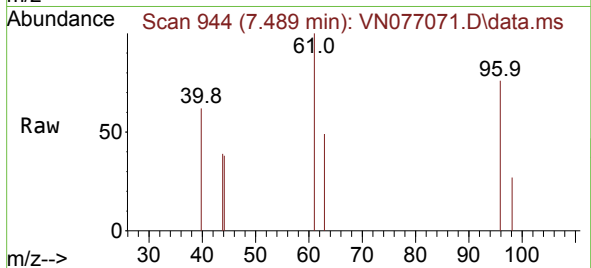
Tgt Ion: 96 Resp: 1248

Ion Ratio Lower Upper

96 100

61 148.0 0.0 315.4

98 70.0 0.0 128.6



#30

Chloroform

Concen: 0.410 ug/l

RT: 7.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN077071.D

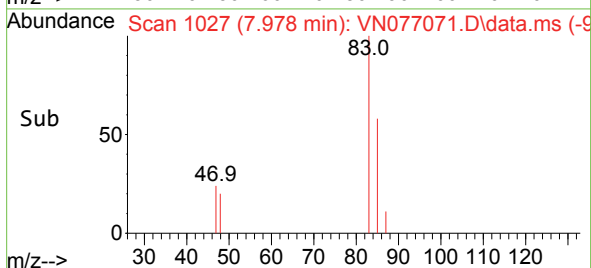
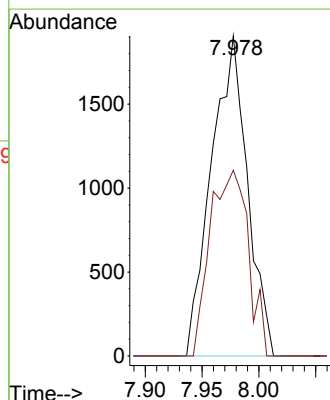
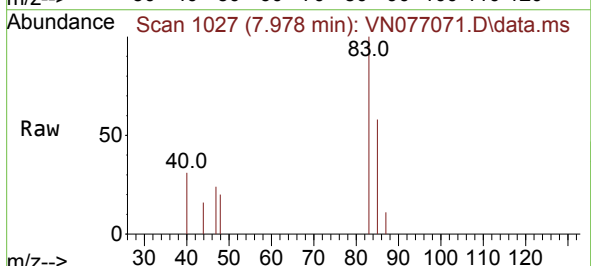
Acq: 20 Mar 2023 16:18

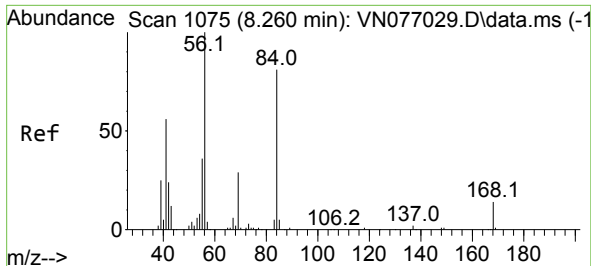
Tgt Ion: 83 Resp: 4198

Ion Ratio Lower Upper

83 100

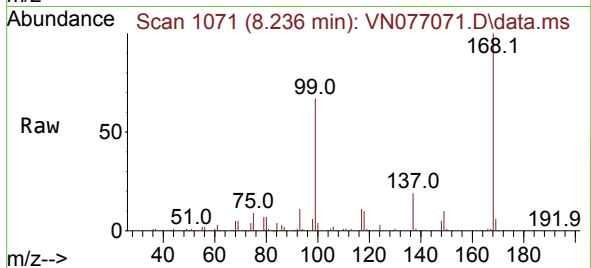
85 58.1 50.6 75.8



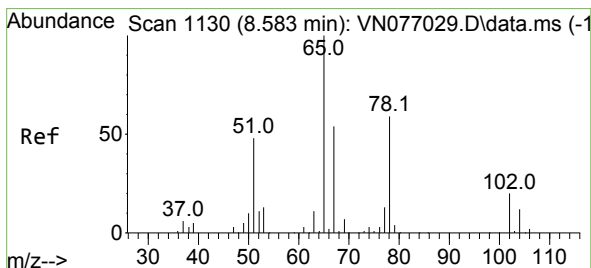
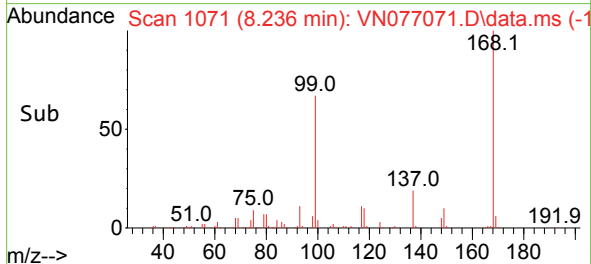
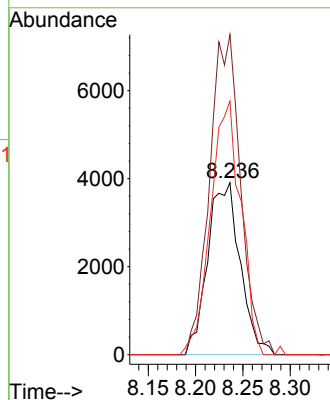


#31
Cyclohexane
Concen: 0.941 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

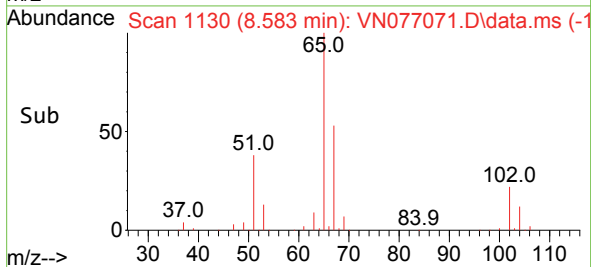
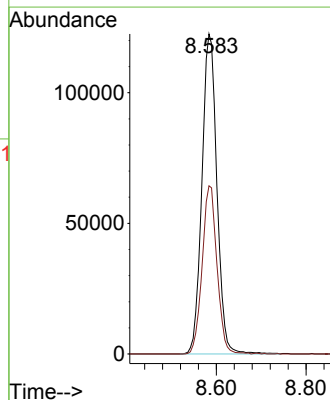
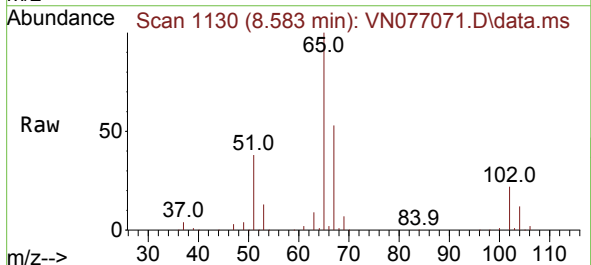


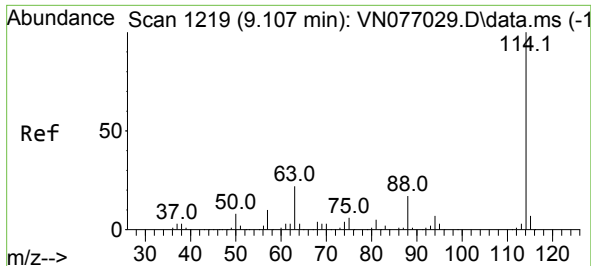
Tgt Ion: 56 Resp: 9318
Ion Ratio Lower Upper
56 100
69 186.1 22.8 34.2#
84 147.5 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 46.925 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion: 65 Resp: 284100
Ion Ratio Lower Upper
65 100
67 51.8 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: VN077071.D

Acq: 20 Mar 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20230314

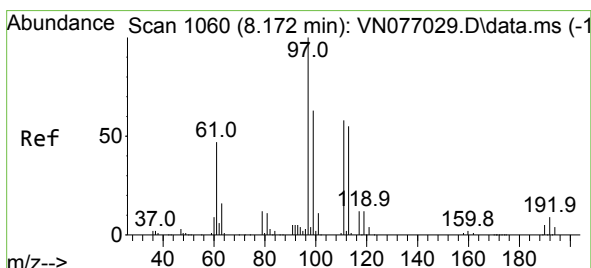
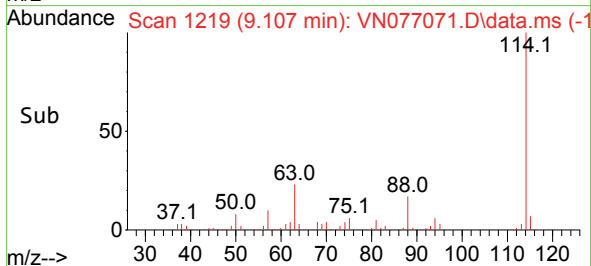
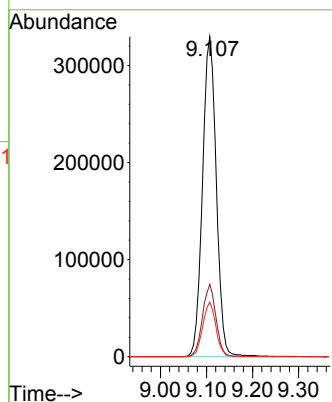
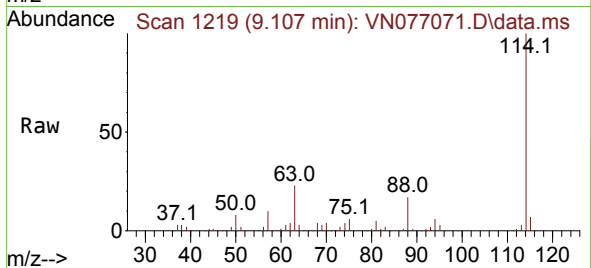
Tgt Ion:114 Resp: 689023

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 17.1 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.781 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

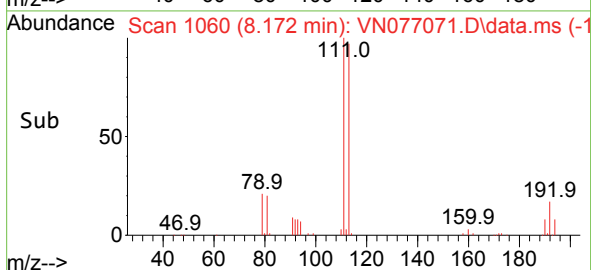
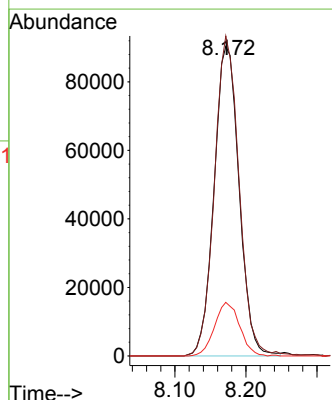
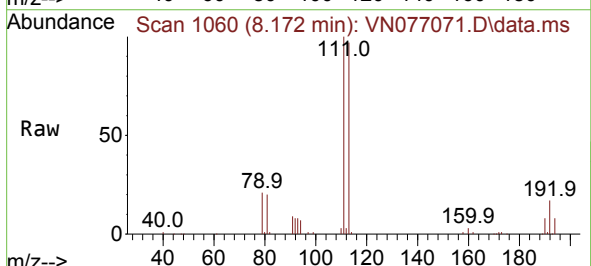
Tgt Ion:113 Resp: 220910

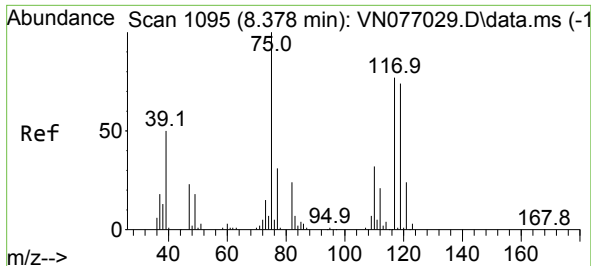
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 17.3 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

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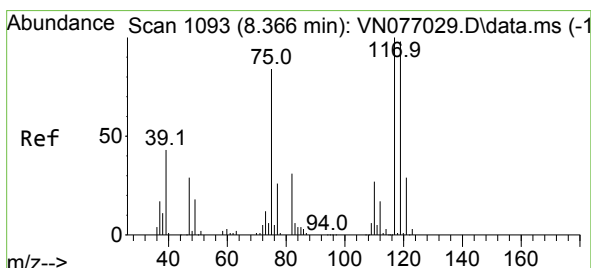
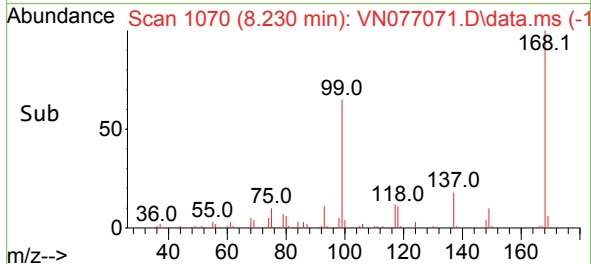
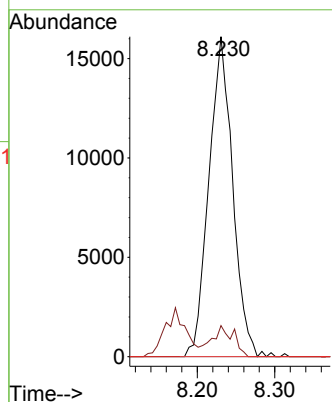
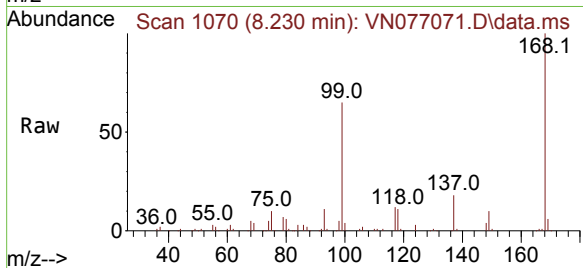
Tgt Ion: 75 Resp: 34353

Ion Ratio Lower Upper

75 100

110 9.0 15.9 47.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.719 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

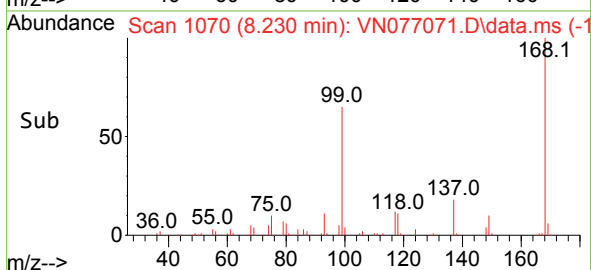
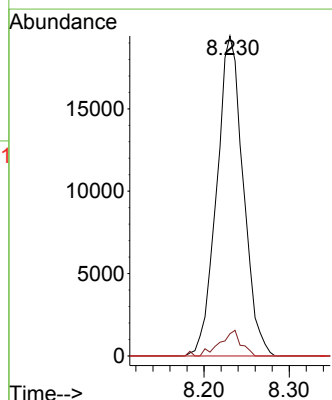
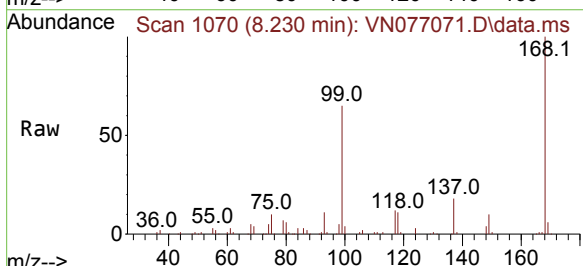
Tgt Ion: 117 Resp: 41980

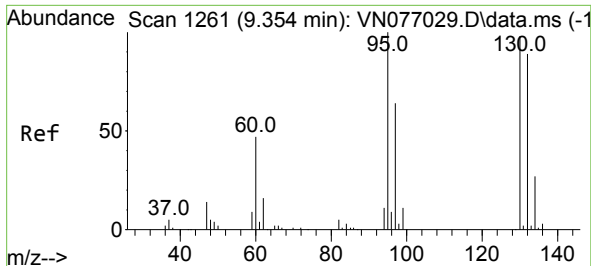
Ion Ratio Lower Upper

117 100

119 7.0 78.2 117.2#

121 0.0 23.2 34.8#

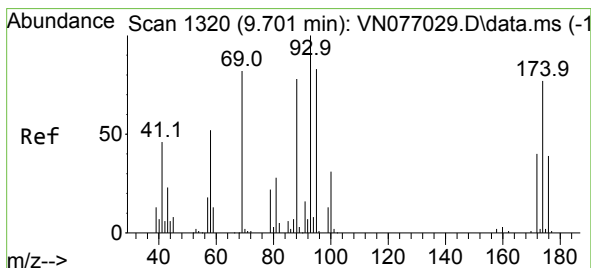
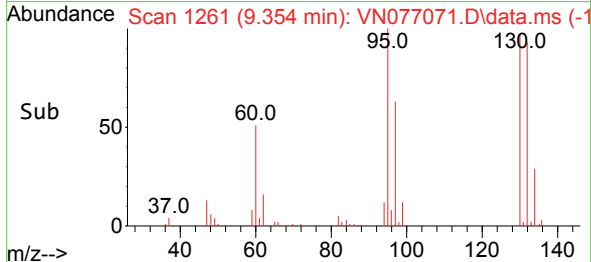
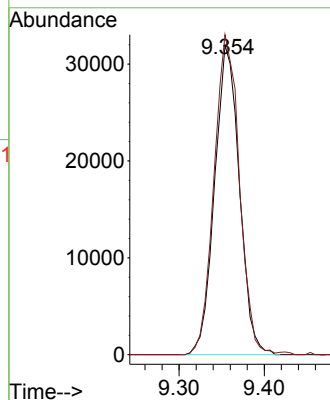
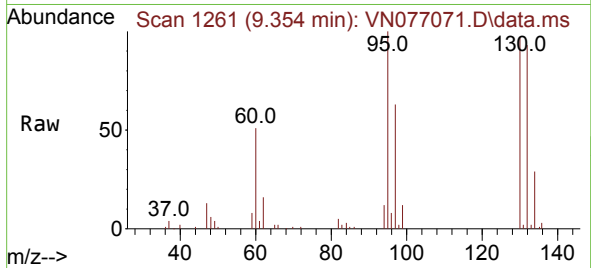




#44
Trichloroethene
Concen: 12.293 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

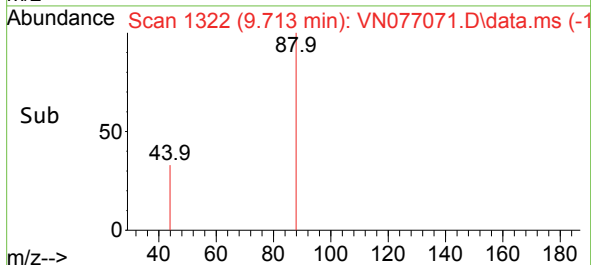
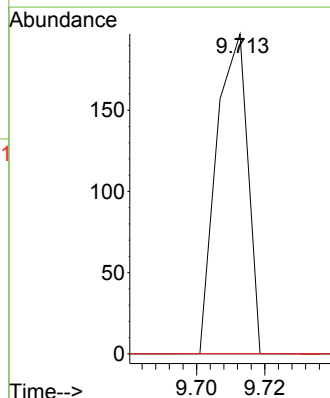
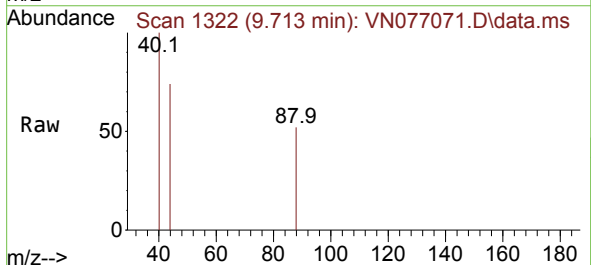
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

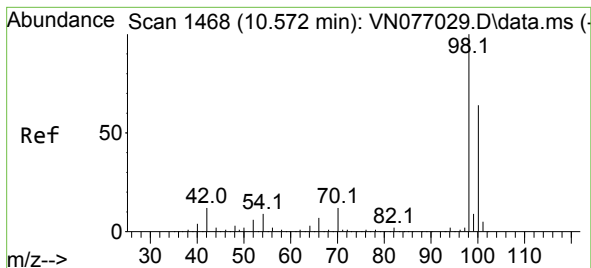
Tgt Ion:130 Resp: 64540
Ion Ratio Lower Upper
130 100
95 103.4 0.0 204.4



#49
1,4-Dioxane
Concen: 1.215 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 60.8 91.2#





#50

Toluene-d8

Concen: 48.159 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

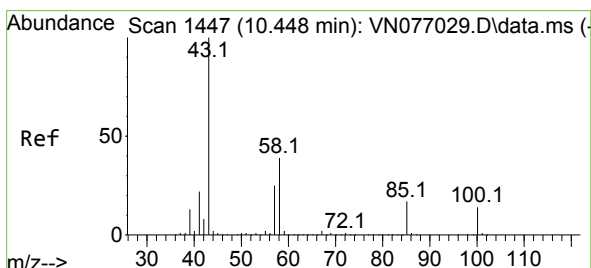
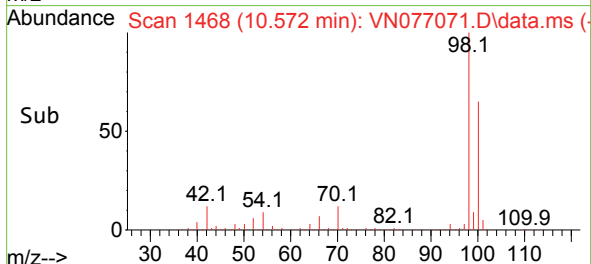
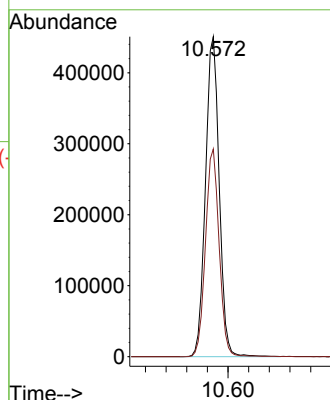
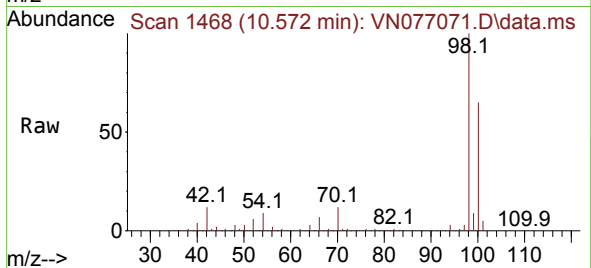
TT162S1-20230314

Tgt Ion: 98 Resp: 830108

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 0.483 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.123 min

Lab File: VN077071.D

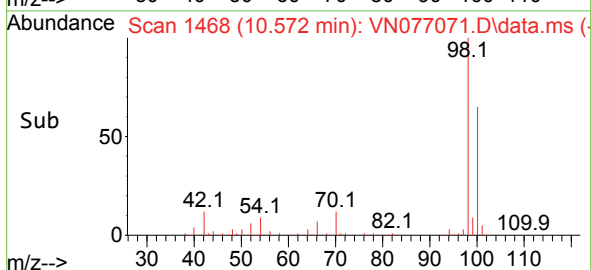
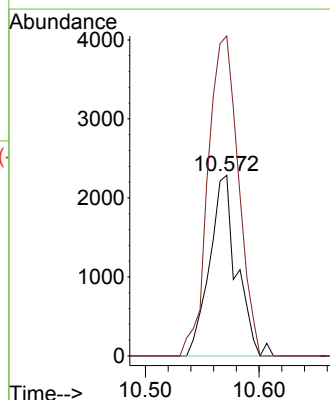
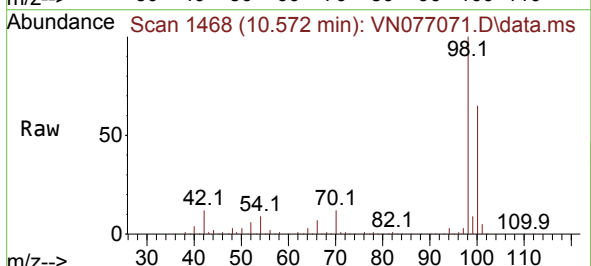
Acq: 20 Mar 2023 16:18

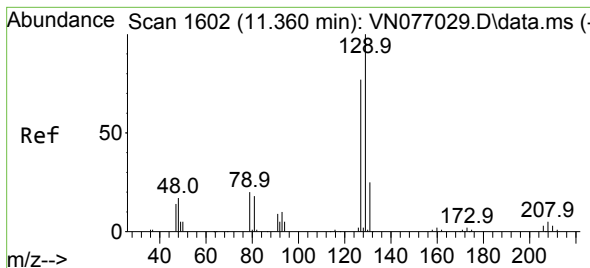
Tgt Ion: 43 Resp: 3787

Ion Ratio Lower Upper

43 100

58 198.2 31.1 46.7#





#60

Dibromochloromethane

Concen: 0.775 ug/l

RT: 11.095 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

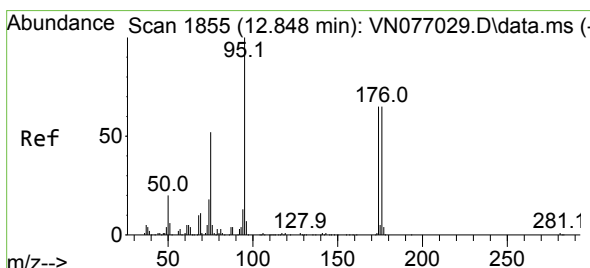
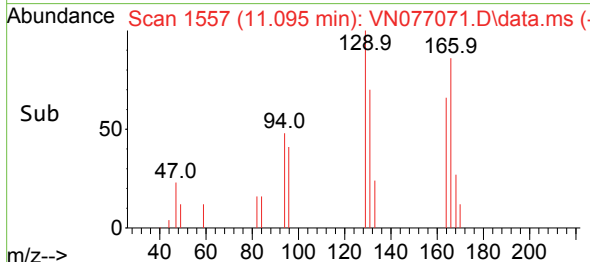
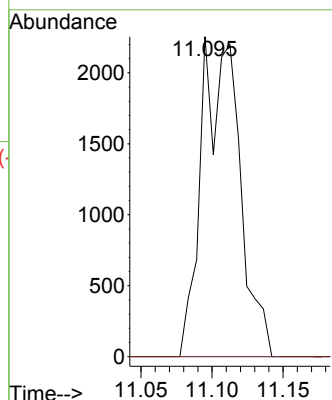
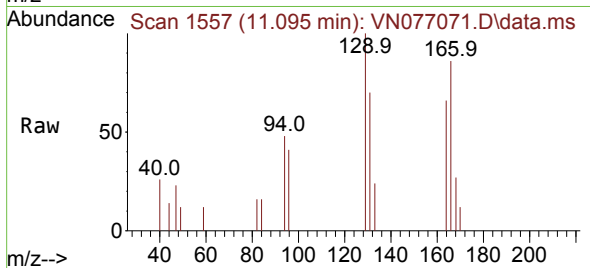
TT162S1-20230314

Tgt Ion:129 Resp: 4188

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 45.283 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VN077071.D

Acq: 20 Mar 2023 16:18

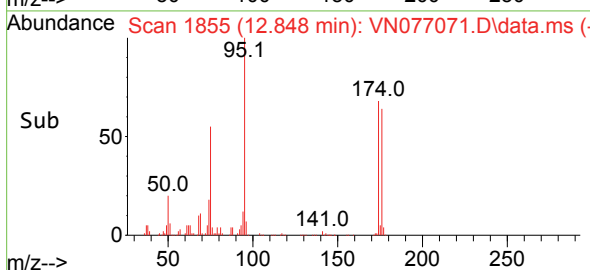
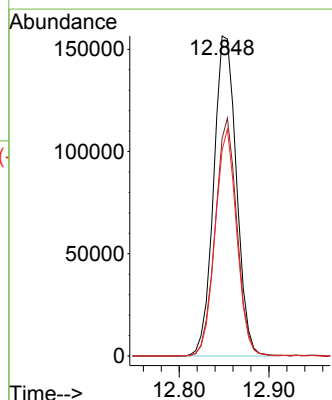
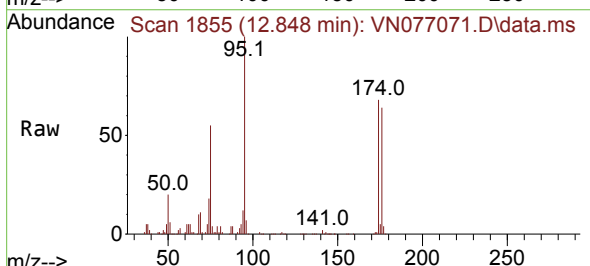
Tgt Ion: 95 Resp: 275812

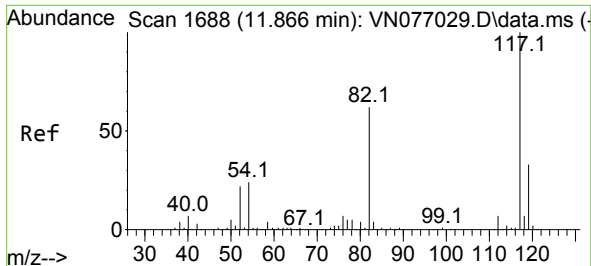
Ion Ratio Lower Upper

95 100

174 71.1 0.0 136.6

176 67.0 0.0 130.0

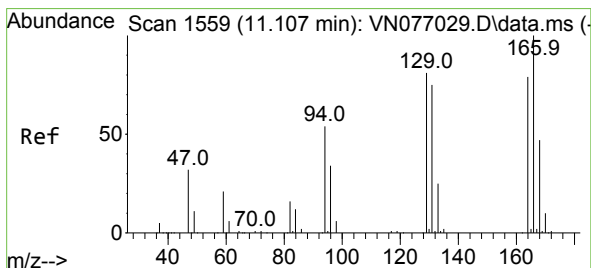
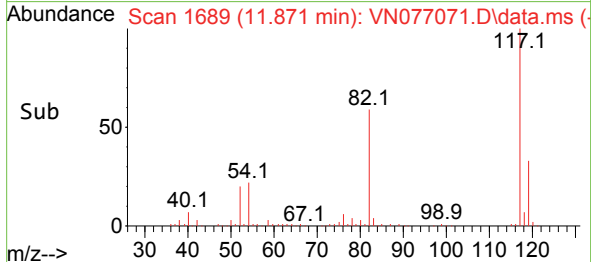
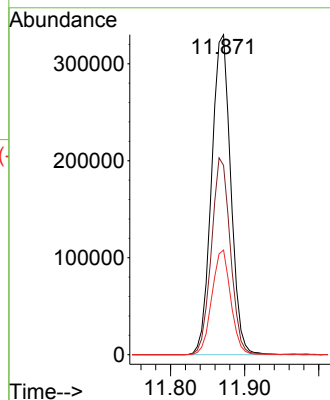
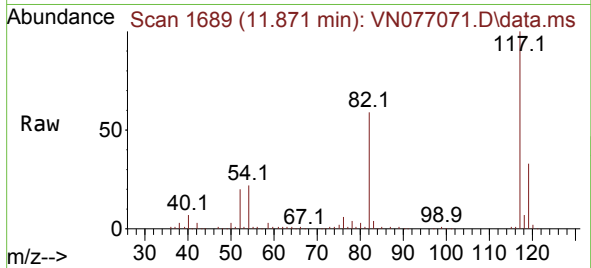




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

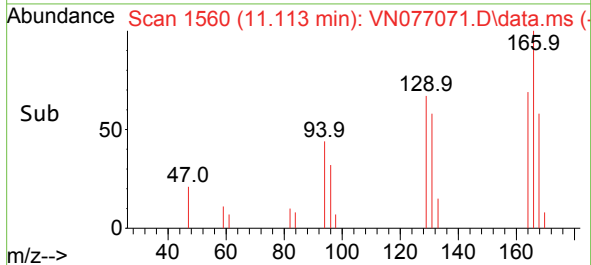
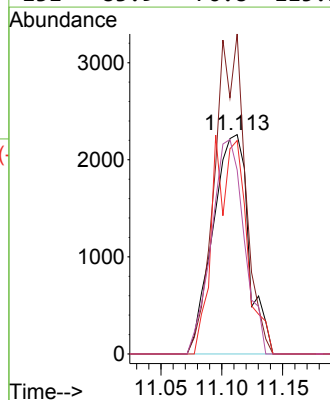
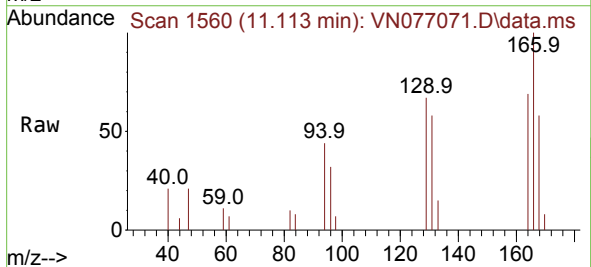
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

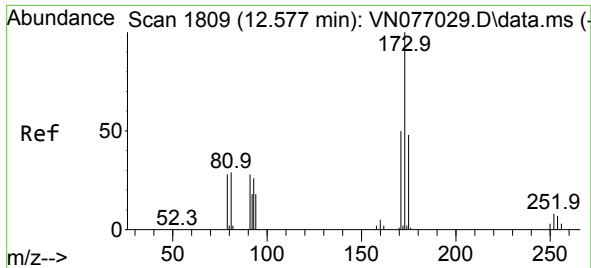
Tgt Ion:117 Resp: 594404
Ion Ratio Lower Upper
117 100
82 59.1 49.4 74.0
119 32.7 26.5 39.7



#64
Tetrachloroethene
Concen: 1.158 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion:164 Resp: 4619
Ion Ratio Lower Upper
164 100
166 145.9 101.9 152.9
129 97.3 82.6 123.8
131 83.9 76.8 115.2

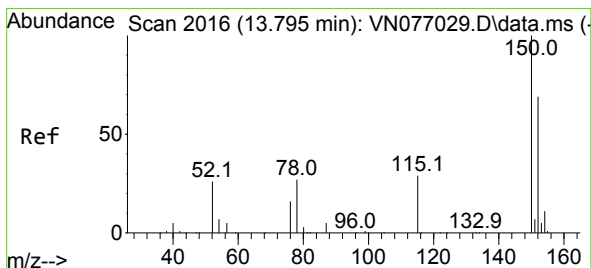
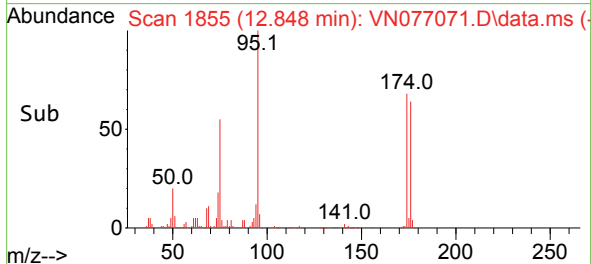
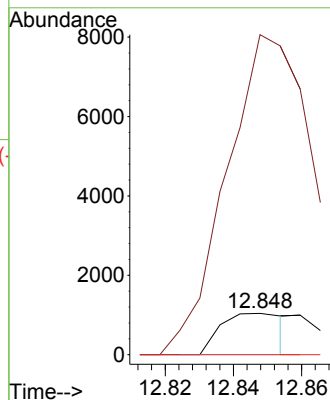
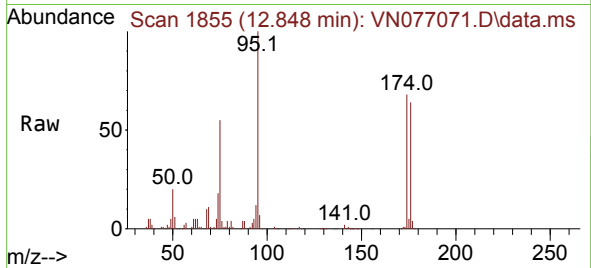




#71
Bromoform
Concen: 0.390 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

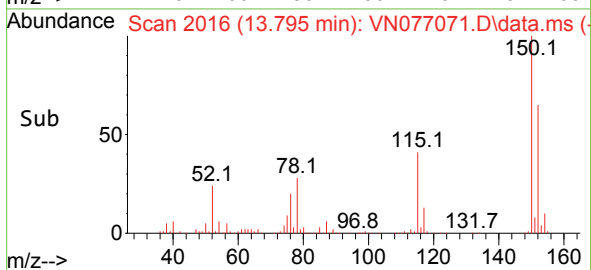
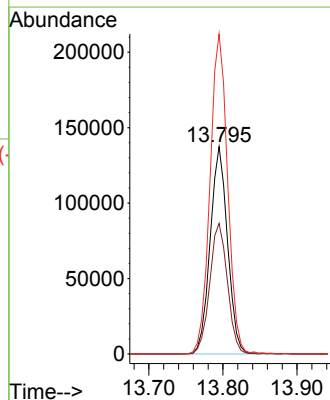
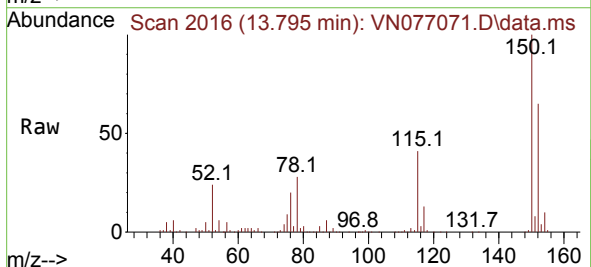
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

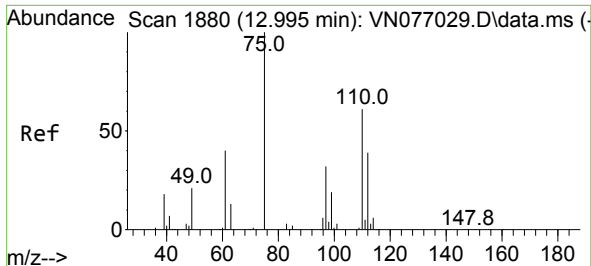
Tgt Ion:173 Resp: 1339
Ion Ratio Lower Upper
173 100
175 730.5 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion:152 Resp: 223912
Ion Ratio Lower Upper
152 100
115 64.0 31.9 95.7
150 156.2 0.0 348.0

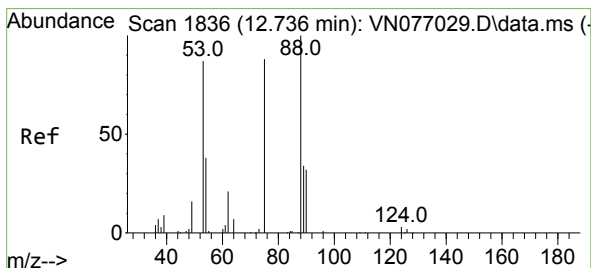
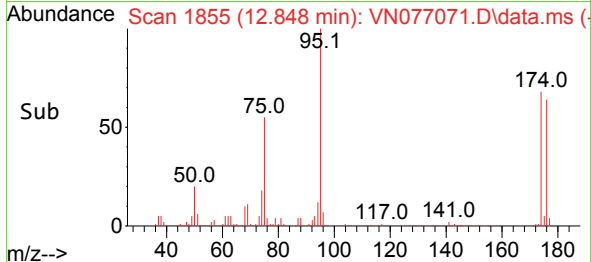
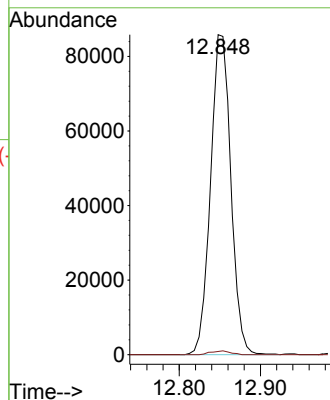
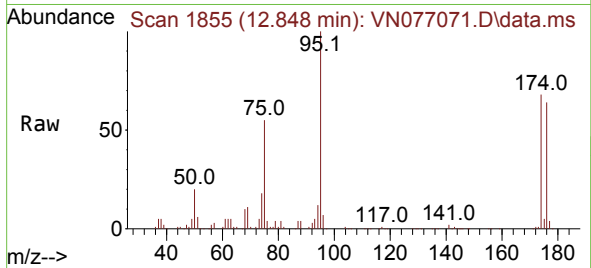




#76
1,2,3-Trichloropropane
Concen: 25.762 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

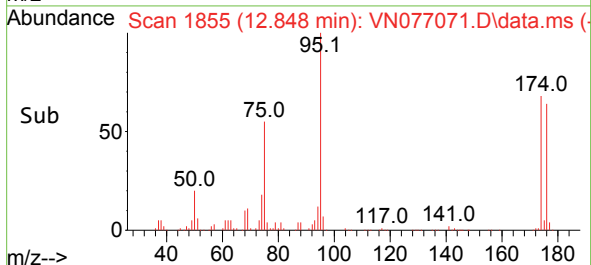
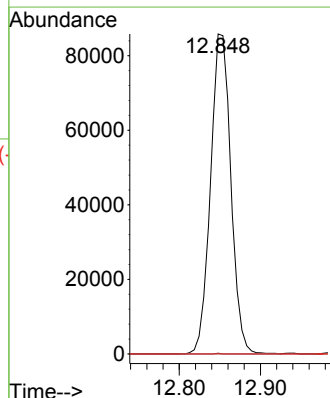
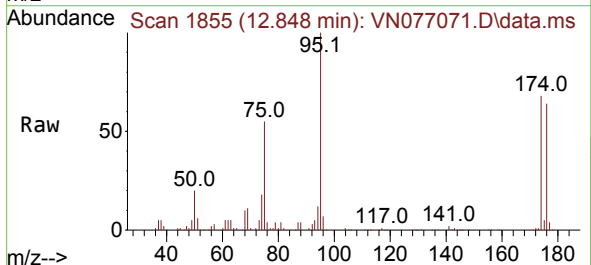
Instrument :
MSVOA_N
ClientSampleId :
TT162S1-20230314

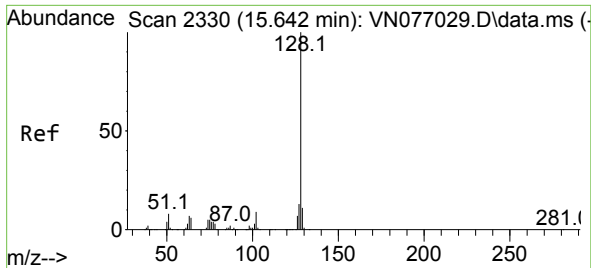
Tgt Ion: 75 Resp: 149208
Ion Ratio Lower Upper
75 100
77 1.1 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.911 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN077071.D
Acq: 20 Mar 2023 16:18

Tgt Ion: 75 Resp: 149208
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 1.949 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077071.D

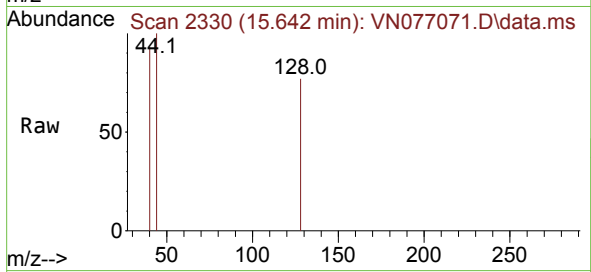
Acq: 20 Mar 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

TT162S1-20230314



Tgt Ion:128 Resp: 571

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.6 13.0#

