

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077218.D
 Acq On : 27 Mar 2023 22:17
 Operator : JC\MD
 Sample : 02081-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-B-032223

Quant Time: Mar 28 07:46:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

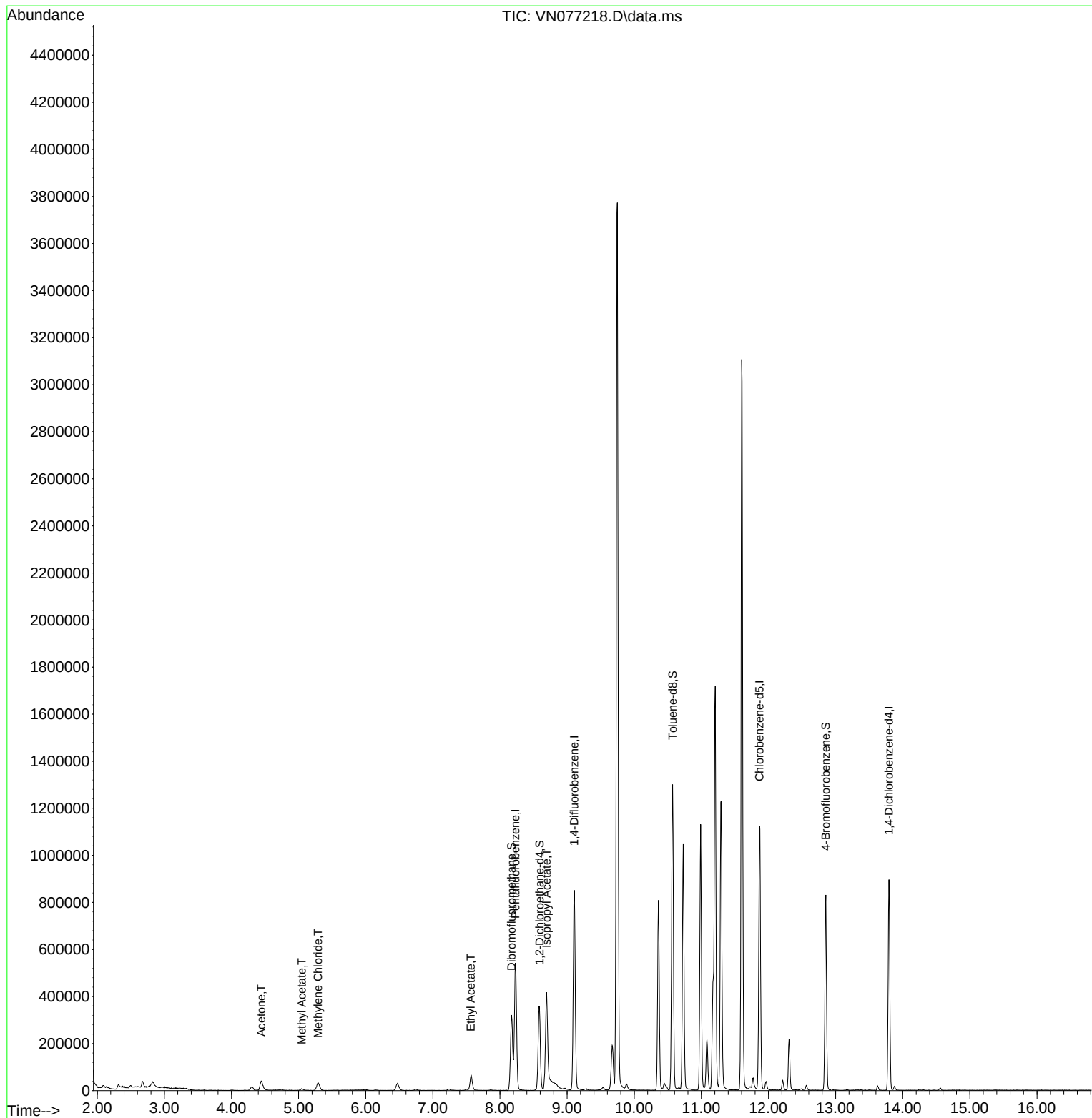
Internal Standards						
1) Pentafluorobenzene	8.231	168	384909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	697987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	637262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	228461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	294417	48.921	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.840%		
35) Dibromofluoromethane	8.172	113	220638	46.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.572	98	865464	48.768	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.540%		
62) 4-Bromofluorobenzene	12.854	95	259094	44.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.960%		
Target Compounds						
					Qvalue	
16) Acetone	4.443	43	75302	33.651	ug/l	93
18) Methyl Acetate	5.049	43	13227	1.477	ug/l #	81
20) Methylene Chloride	5.290	84	24528	4.922	ug/l #	82
37) Ethyl Acetate	7.566	43	95529	13.002	ug/l #	91
43) Isopropyl Acetate	8.695	43	518192	43.716	ug/l #	72

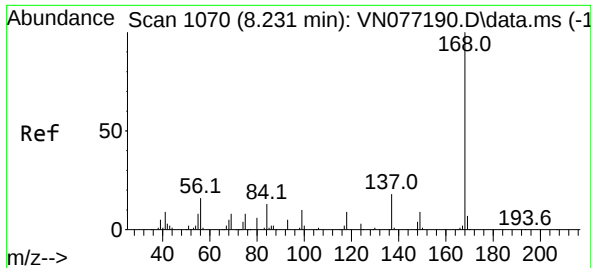
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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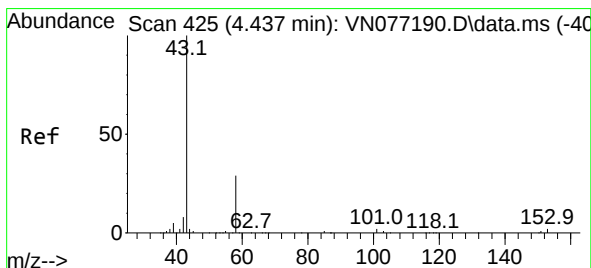
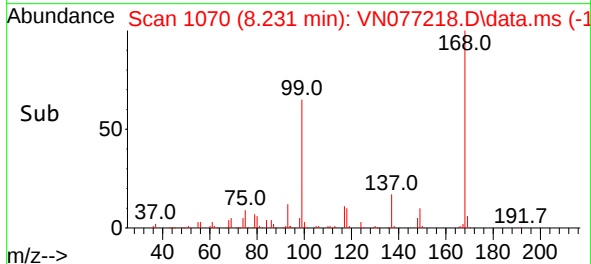
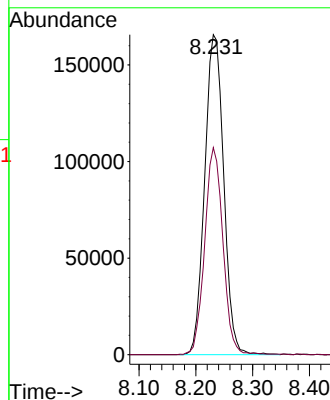
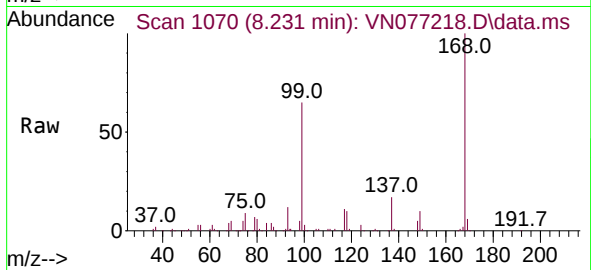




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

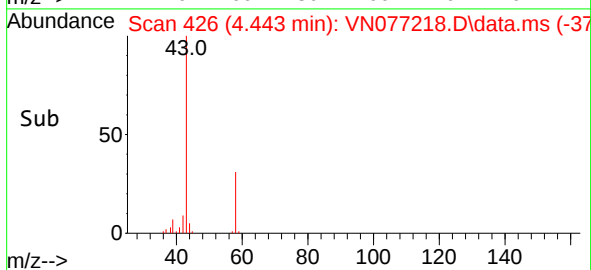
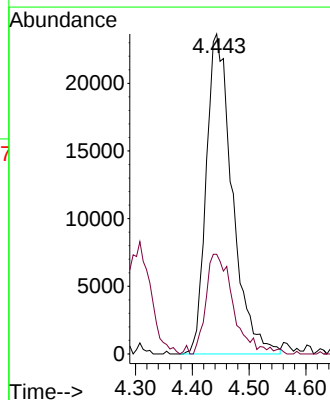
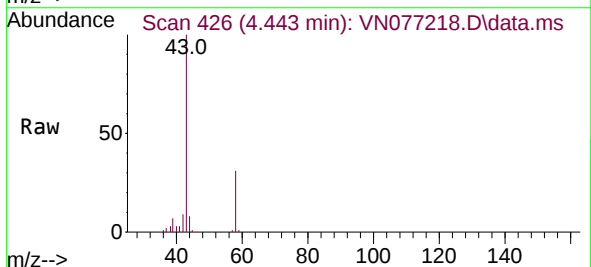
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

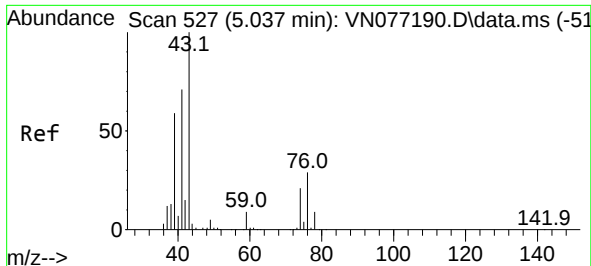
Tgt Ion:168 Resp: 384909
Ion Ratio Lower Upper
168 100
99 64.6 48.6 73.0



#16
Acetone
Concen: 33.651 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 43 Resp: 75302
Ion Ratio Lower Upper
43 100
58 31.2 28.2 42.2

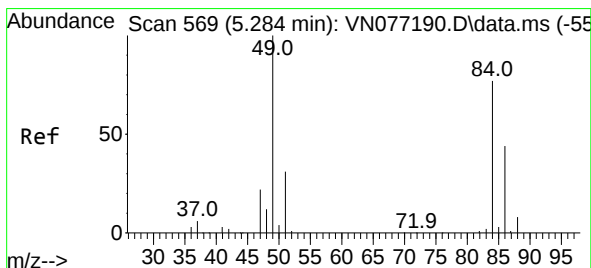
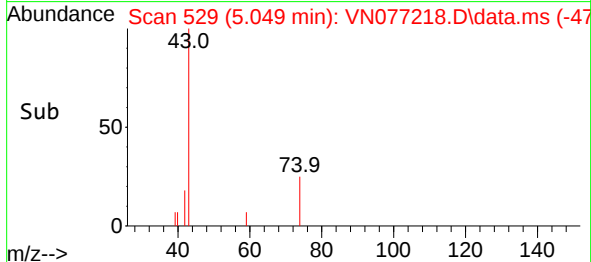
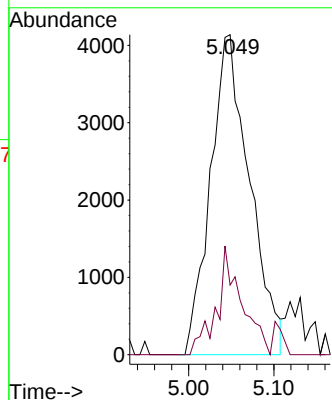
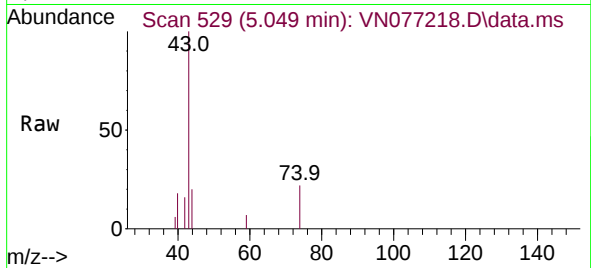




#18
Methyl Acetate
Concen: 1.477 ug/l
RT: 5.049 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

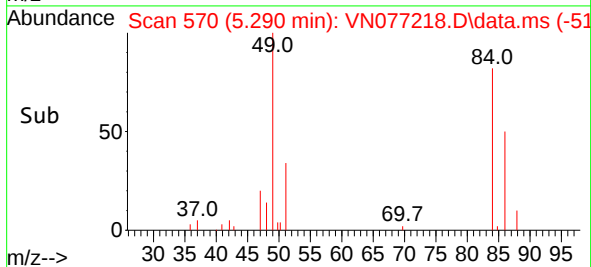
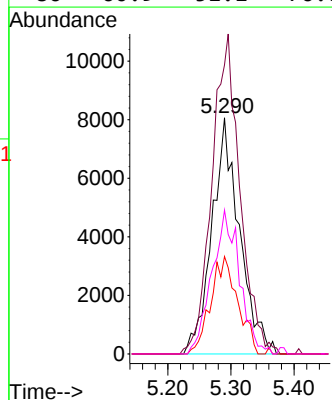
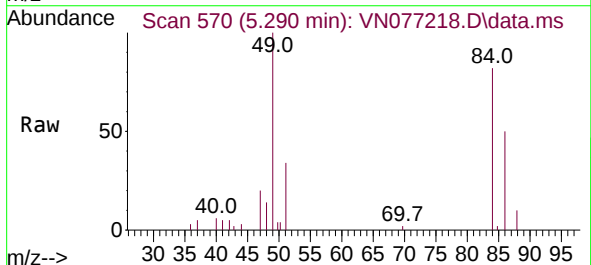
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-B-032223

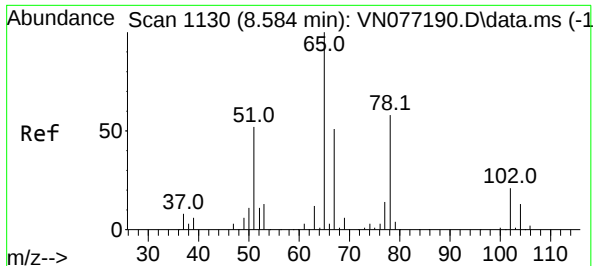
Tgt Ion: 43 Resp: 13227
Ion Ratio Lower Upper
43 100
74 21.7 25.9 38.9#



#20
Methylene Chloride
Concen: 4.922 ug/l
RT: 5.290 min Scan# 570
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

Tgt Ion: 84 Resp: 24528
Ion Ratio Lower Upper
84 100
49 122.4 76.6 114.8#
51 41.2 25.4 38.2#
86 60.9 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

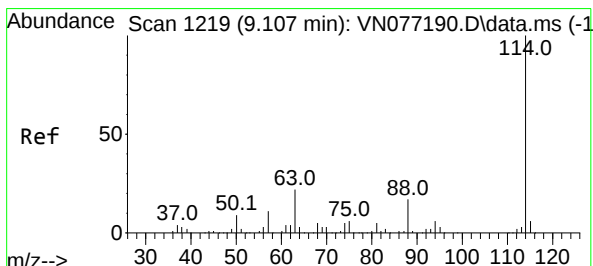
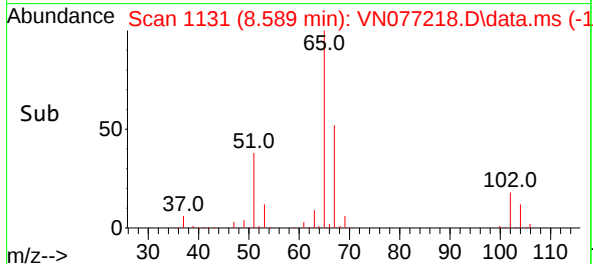
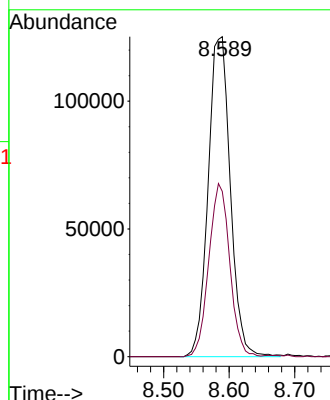
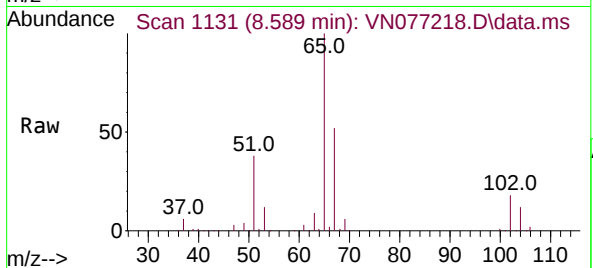
152140-TCLP-B-032223

Tgt Ion: 65 Resp: 294417

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

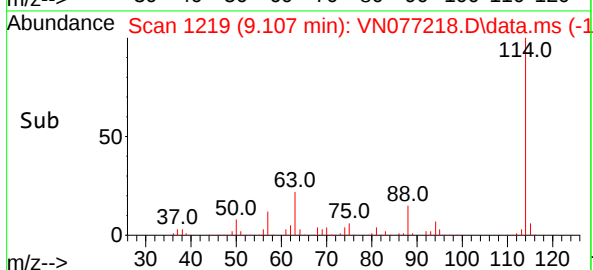
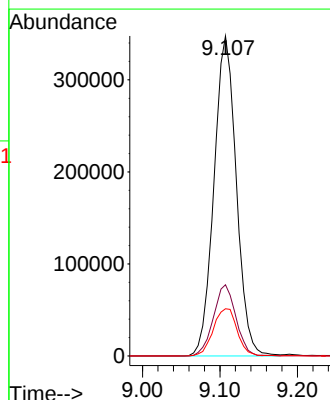
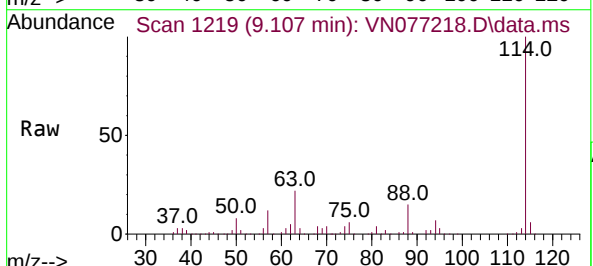
Tgt Ion: 114 Resp: 697987

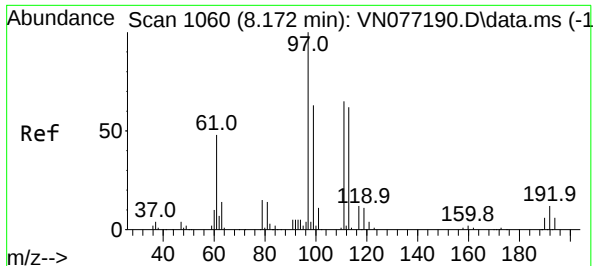
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.6

88 14.8 0.0 28.6





#35

Dibromofluoromethane

Concen: 46.586 ug/l

RT: 8.172 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN077218.D

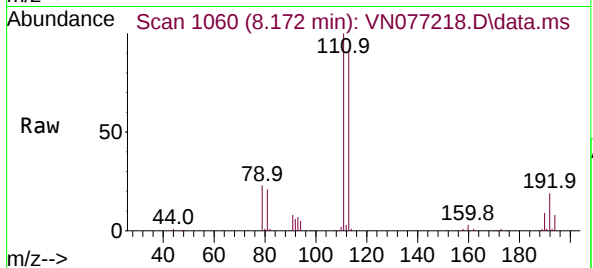
Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223



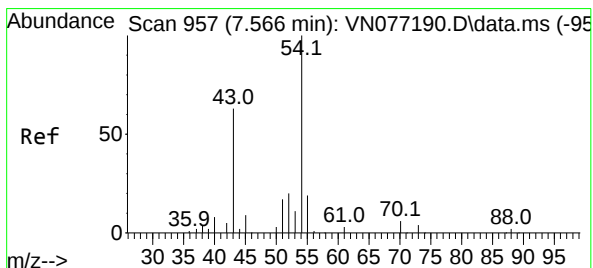
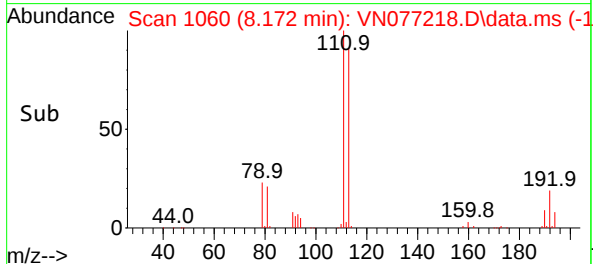
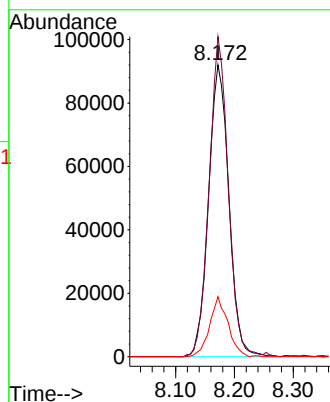
Tgt Ion:113 Resp: 220638

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 18.5 13.9 20.9



#37

Ethyl Acetate

Concen: 13.002 ug/l

RT: 7.566 min Scan# 957

Delta R.T. 0.000 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

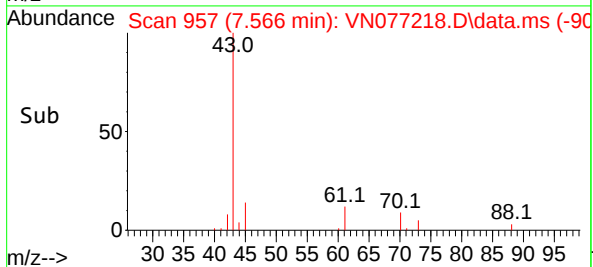
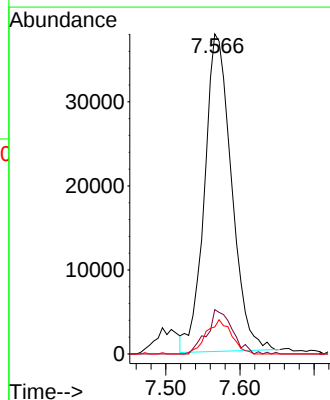
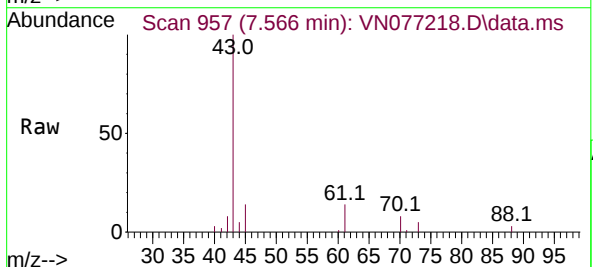
Tgt Ion: 43 Resp: 95529

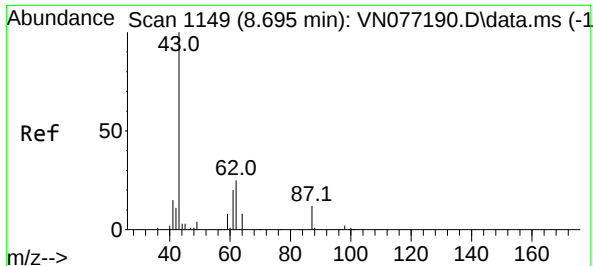
Ion Ratio Lower Upper

43 100

61 13.1 13.5 20.3#

70 10.1 11.0 16.6#





#43

Isopropyl Acetate

Concen: 43.716 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077218.D

Acq: 27 Mar 2023 22:17

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-B-032223

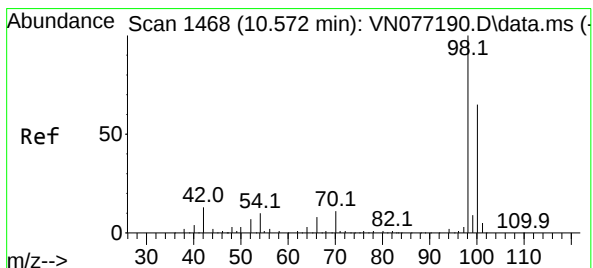
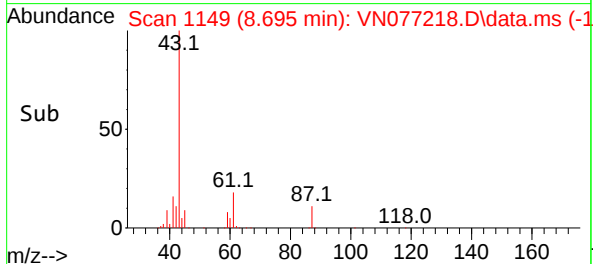
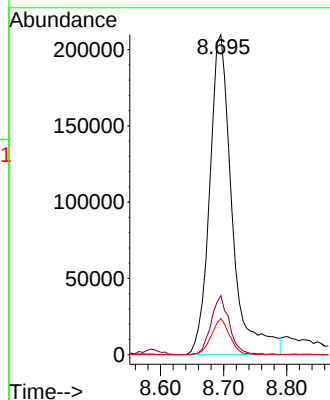
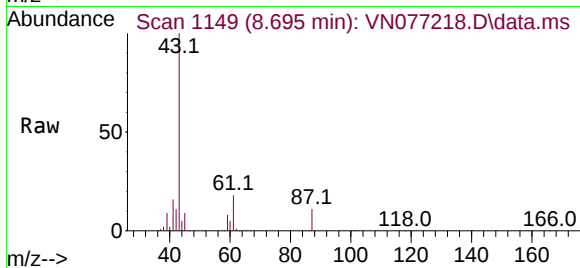
Tgt Ion: 43 Resp: 518192

Ion Ratio Lower Upper

43 100

61 15.1 26.2 39.2#

87 9.1 14.8 22.2#



#50

Toluene-d8

Concen: 48.768 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077218.D

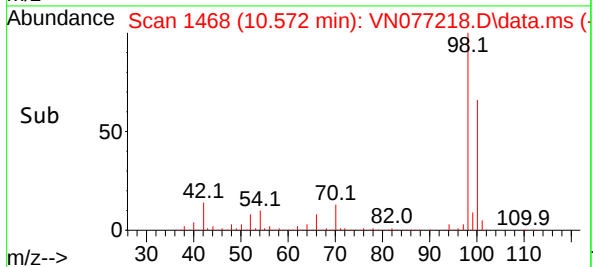
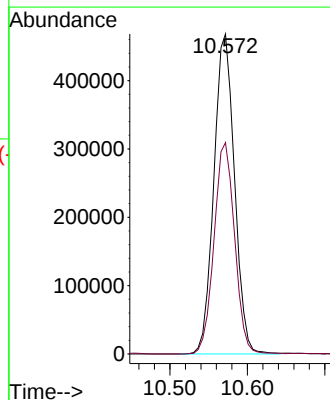
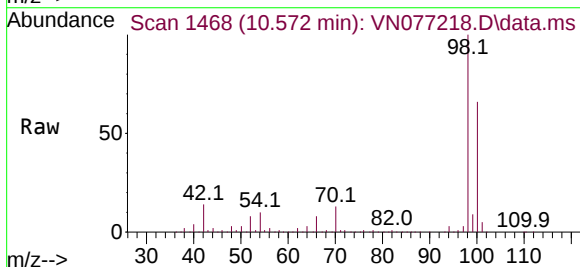
Acq: 27 Mar 2023 22:17

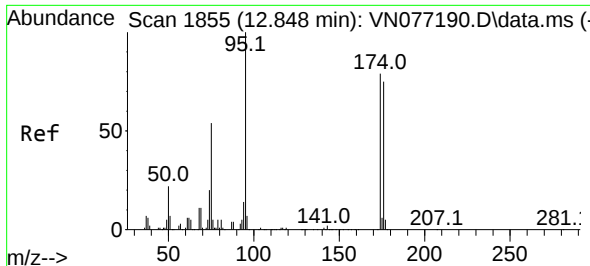
Tgt Ion: 98 Resp: 865464

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

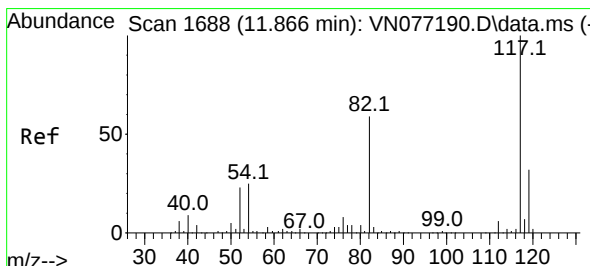
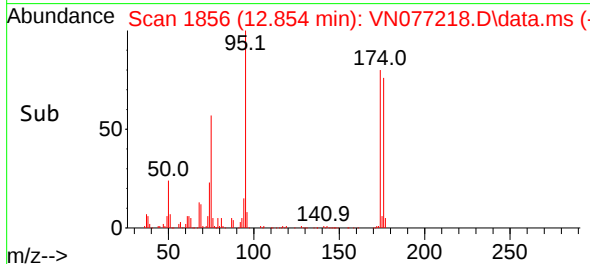
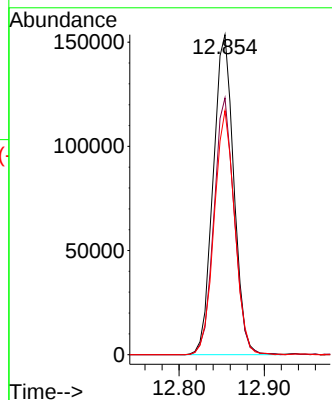
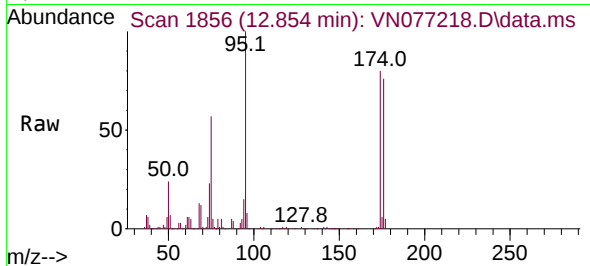




#62
4-Bromofluorobenzene
Concen: 44.485 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

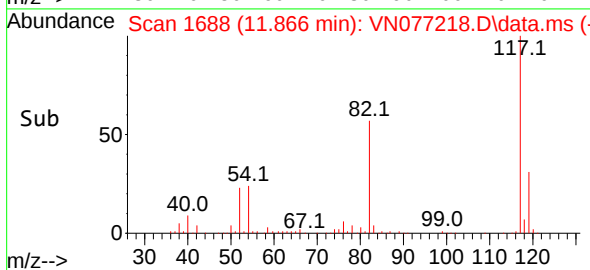
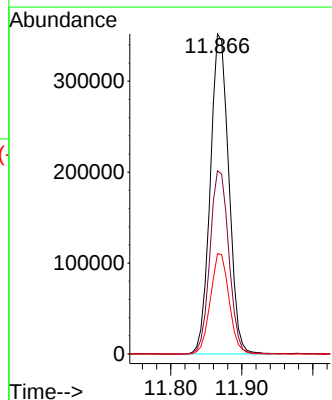
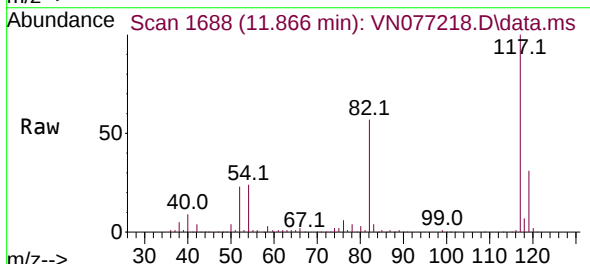
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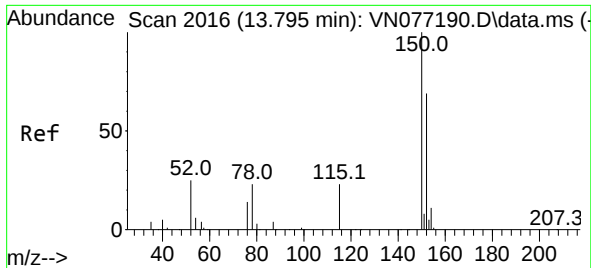
Tgt Ion:	95	Resp:	259094
Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	162.4
176	75.6	0.0	157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077218.D
Acq: 27 Mar 2023 22:17

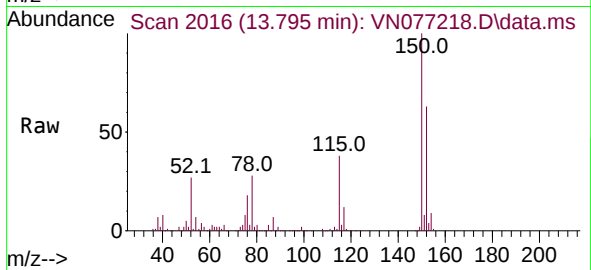
Tgt Ion:	117	Resp:	637262
Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.5	65.3
119	31.4	25.5	38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN077218.D
 Acq: 27 Mar 2023 22:17

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-TCLP-B-032223



Tgt Ion:152 Resp: 228461
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.3 90.9
 150 160.2 0.0 353.6

