

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077219.D
 Acq On : 27 Mar 2023 22:41
 Operator : JC\MD
 Sample : 02081-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 28 07:46:51 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)

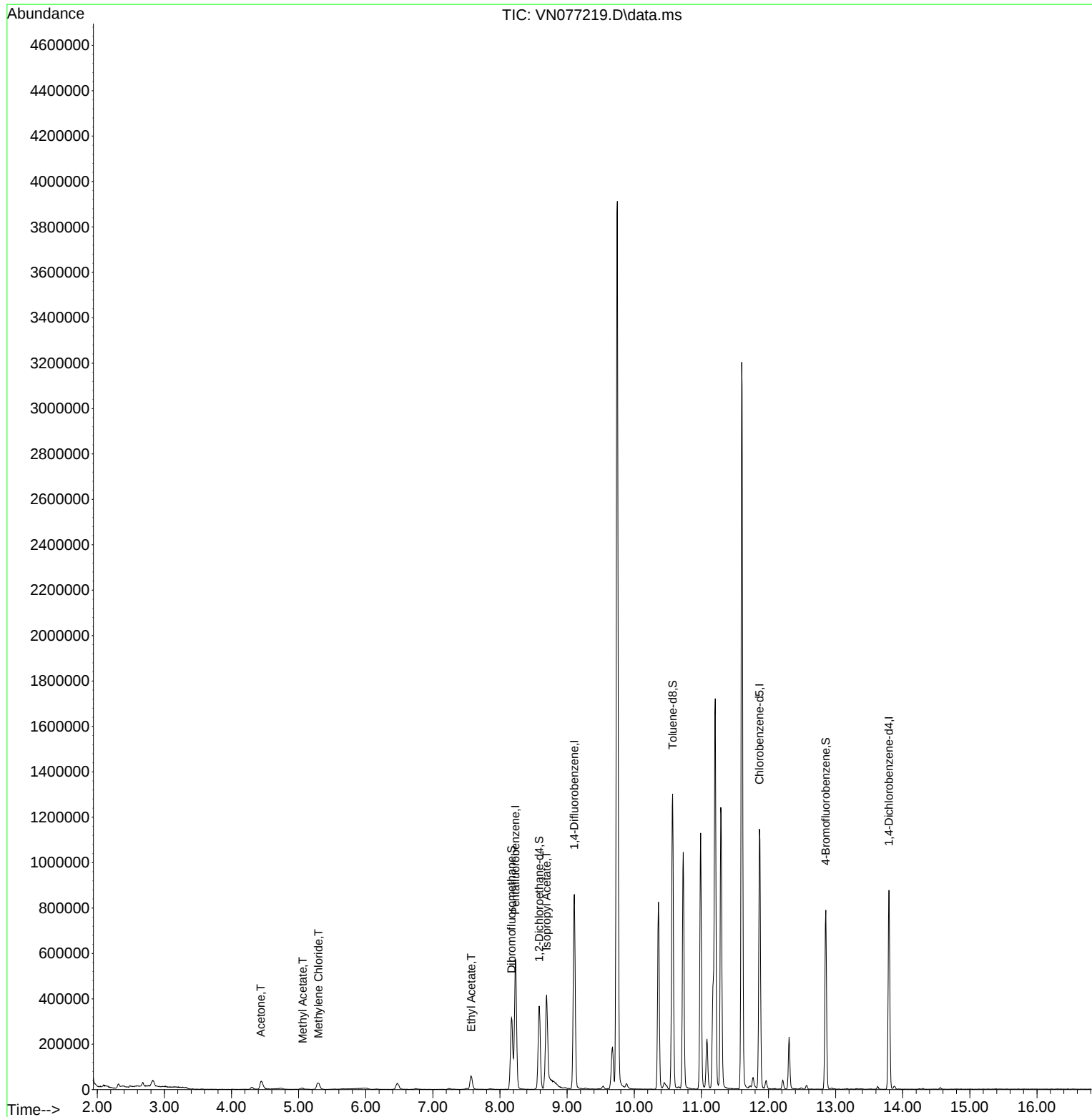
Internal Standards						
1) Pentafluorobenzene	8.231	168	395022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	706558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	633057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	225205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	298911	48.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.800%
35) Dibromofluoromethane	8.172	113	224463	46.818	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.640%
50) Toluene-d8	10.572	98	878375	48.895	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.854	95	253645	43.021	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.040%
Target Compounds						
					Qvalue	
16) Acetone	4.437	43	72608	31.617	ug/l	91
18) Methyl Acetate	5.060	43	12625	1.374	ug/l #	70
20) Methylene Chloride	5.296	84	22468	4.394	ug/l #	86
37) Ethyl Acetate	7.572	43	94471	12.702	ug/l #	92
43) Isopropyl Acetate	8.695	43	524091	43.678	ug/l #	72

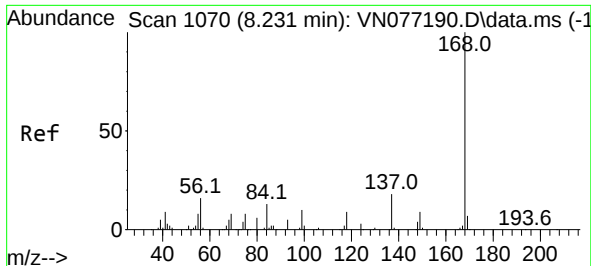
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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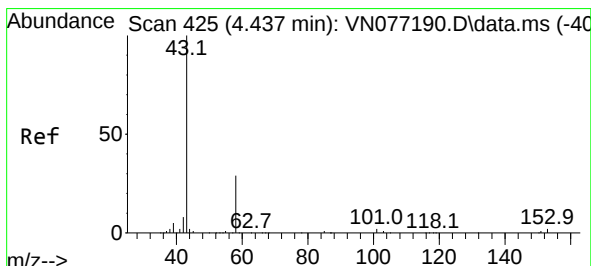
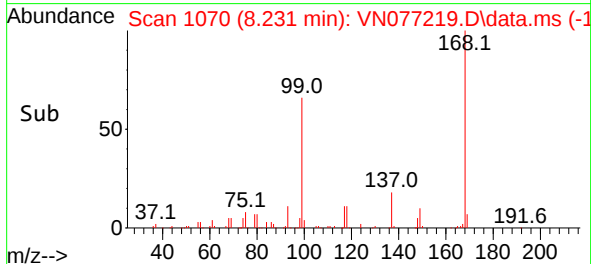
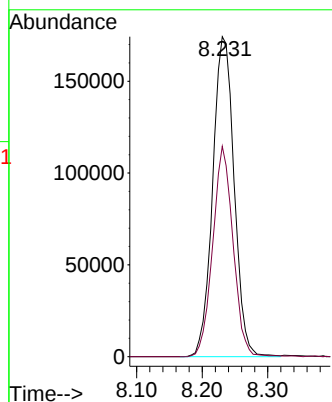
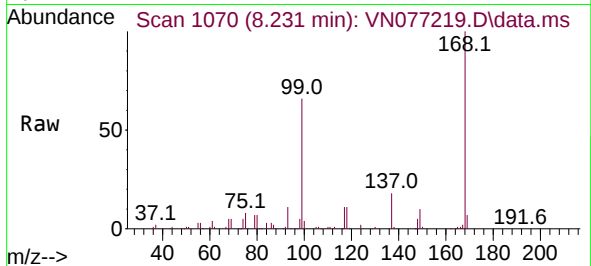




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

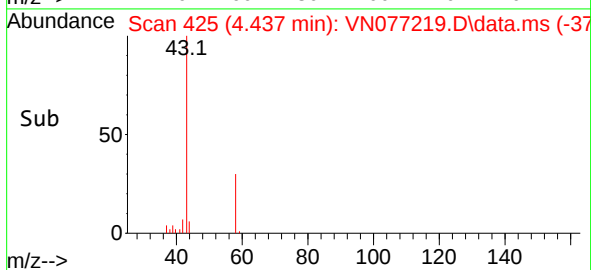
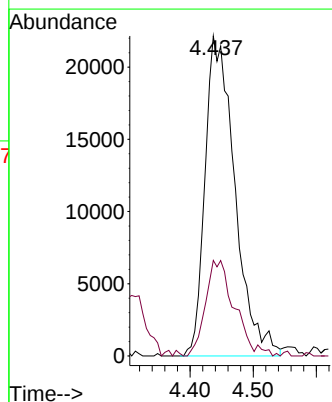
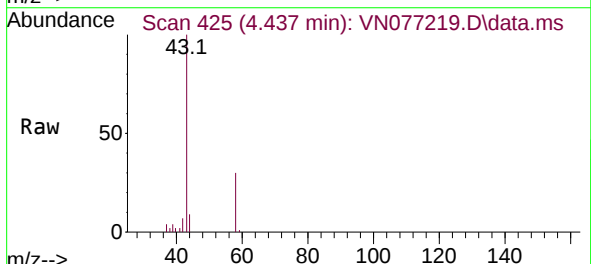
Instrument :
MSVOA_N
ClientSampleId :
152140-TCLP-C-032223

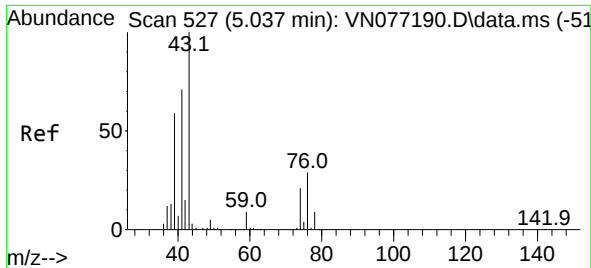
Tgt Ion:168 Resp: 395022
Ion Ratio Lower Upper
168 100
99 65.7 48.6 73.0



#16
Acetone
Concen: 31.617 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

Tgt Ion: 43 Resp: 72608
Ion Ratio Lower Upper
43 100
58 29.9 28.2 42.2





#18

Methyl Acetate

Concen: 1.374 ug/l

RT: 5.060 min Scan# 51

Delta R.T. 0.023 min

Lab File: VN077219.D

Acq: 27 Mar 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

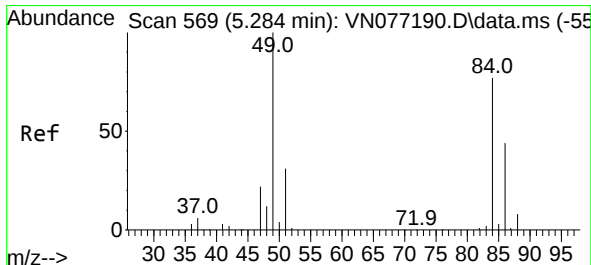
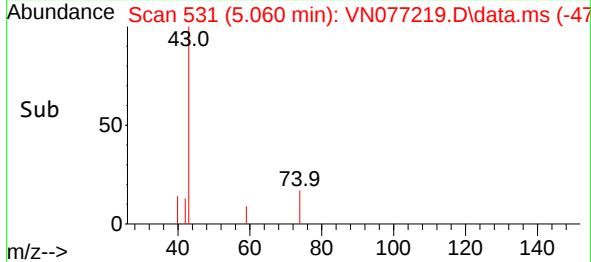
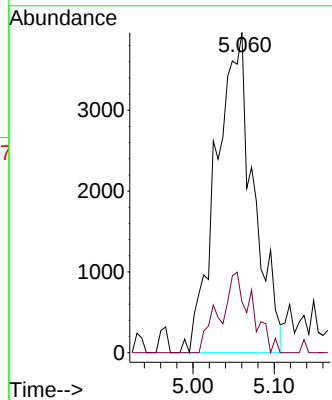
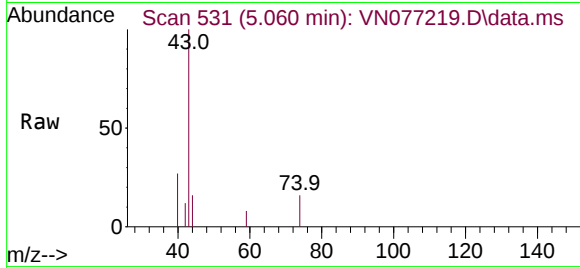
152140-TCLP-C-032223

Tgt Ion: 43 Resp: 12625

Ion Ratio Lower Upper

43 100

74 15.8 25.9 38.9#



#20

Methylene Chloride

Concen: 4.394 ug/l

RT: 5.296 min Scan# 571

Delta R.T. 0.012 min

Lab File: VN077219.D

Acq: 27 Mar 2023 22:41

Tgt Ion: 84 Resp: 22468

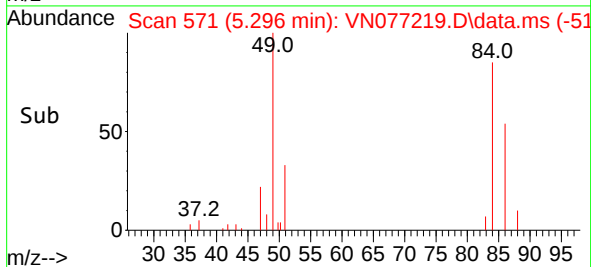
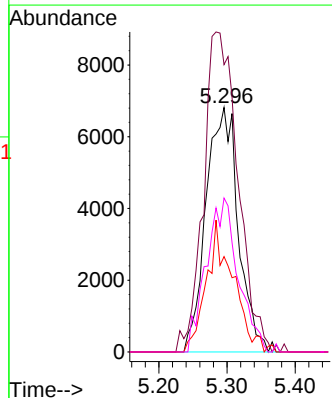
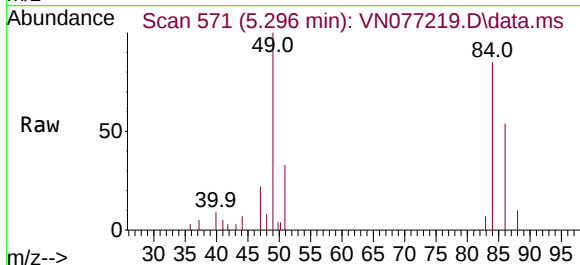
Ion Ratio Lower Upper

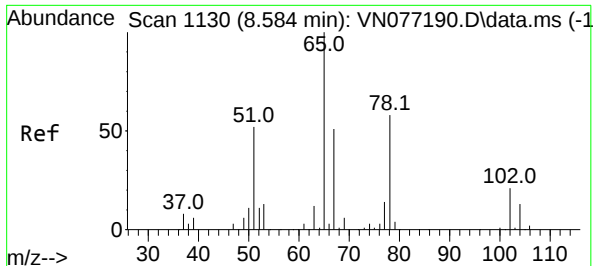
84 100

49 117.6 76.6 114.8#

51 39.0 25.4 38.2#

86 63.0 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 48.396 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077219.D

Acq: 27 Mar 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

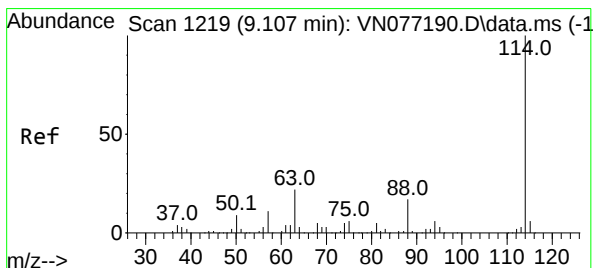
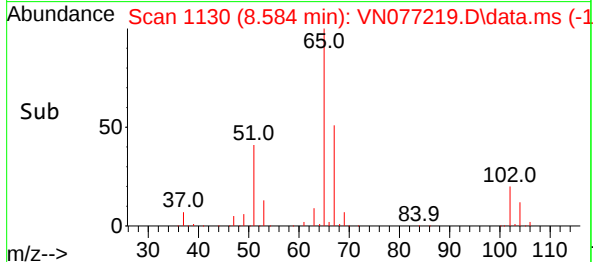
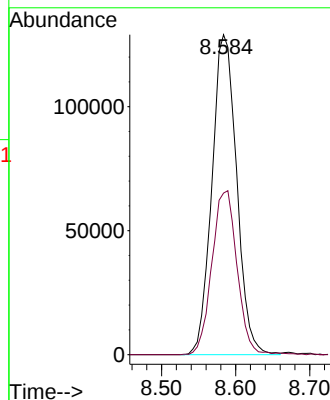
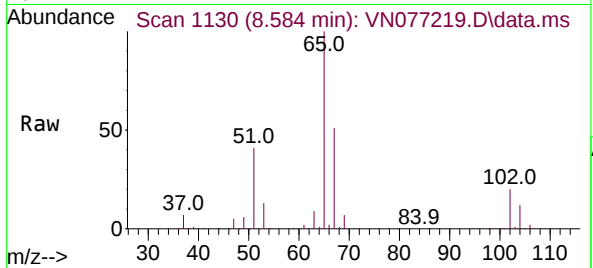
152140-TCLP-C-032223

Tgt Ion: 65 Resp: 298911

Ion Ratio Lower Upper

65 100

67 52.3 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: VN077219.D

Acq: 27 Mar 2023 22:41

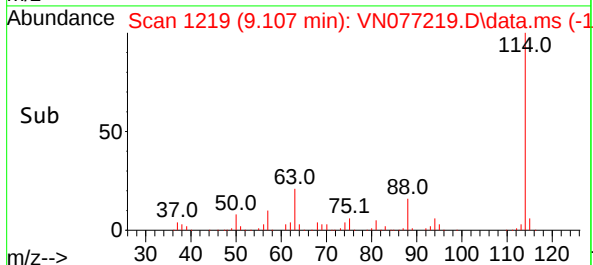
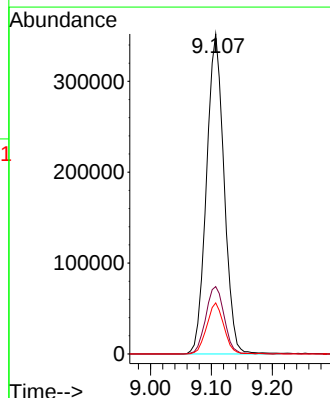
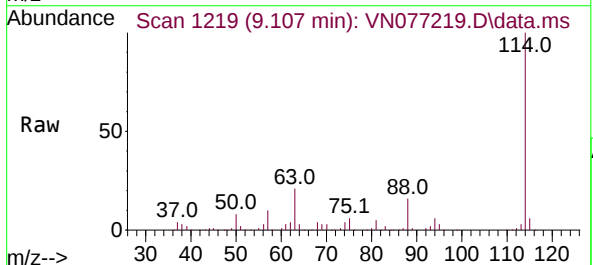
Tgt Ion: 114 Resp: 706558

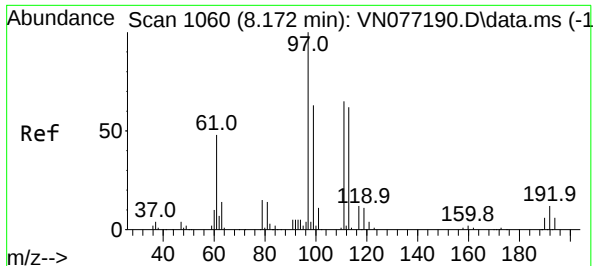
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.6

88 15.9 0.0 28.6

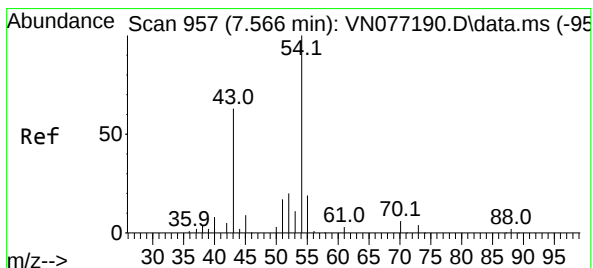
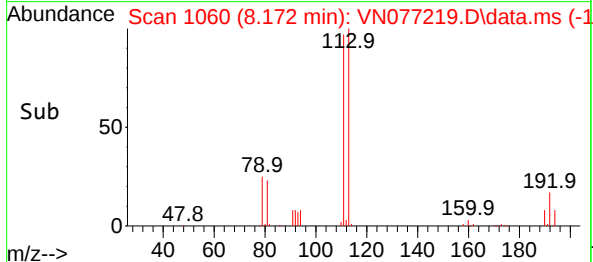
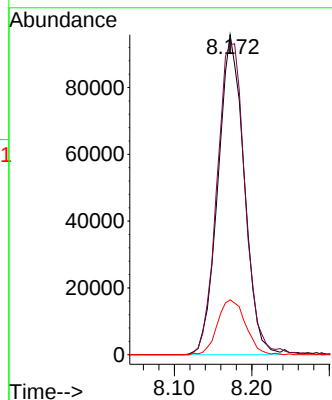
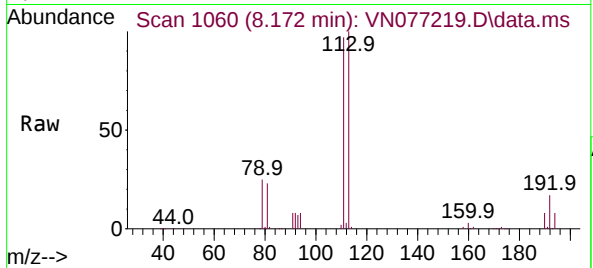




#35
Dibromofluoromethane
Concen: 46.818 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

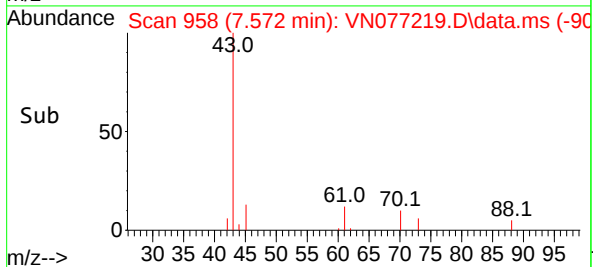
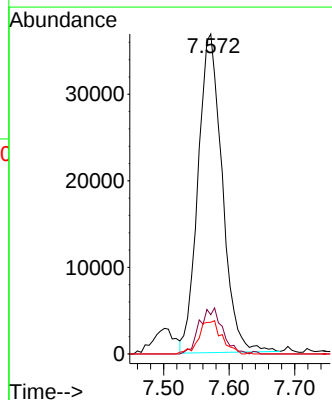
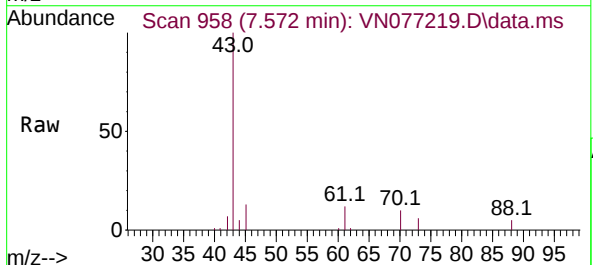
Instrument :
MSVOA_N
ClientSampleId :
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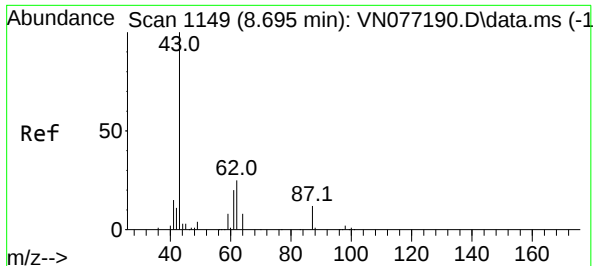
Tgt Ion:113 Resp: 224463
Ion Ratio Lower Upper
113 100
111 104.3 81.8 122.8
192 18.4 13.9 20.9



#37
Ethyl Acetate
Concen: 12.702 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

Tgt Ion: 43 Resp: 94471
Ion Ratio Lower Upper
43 100
61 13.8 13.5 20.3
70 9.9 11.0 16.6#

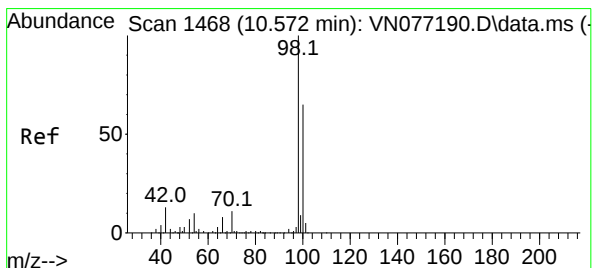
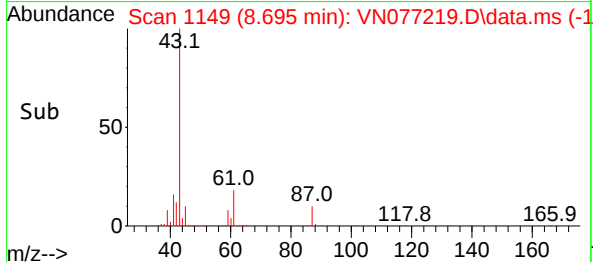
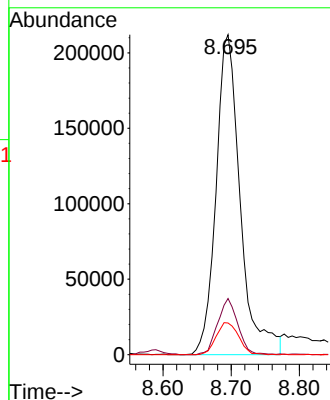
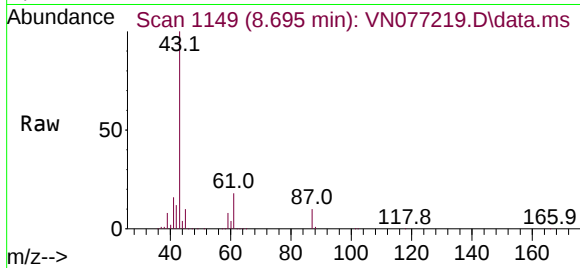




#43
Isopropyl Acetate
Concen: 43.678 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

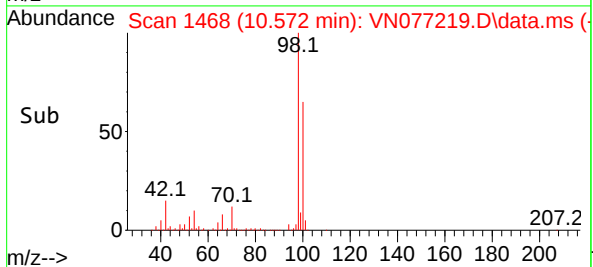
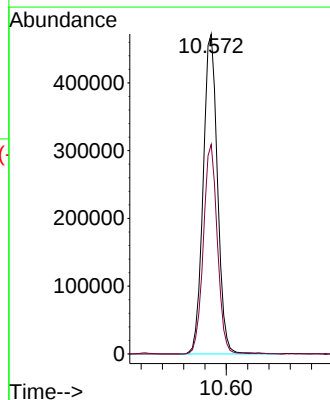
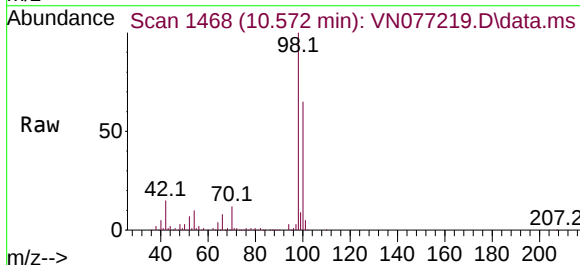
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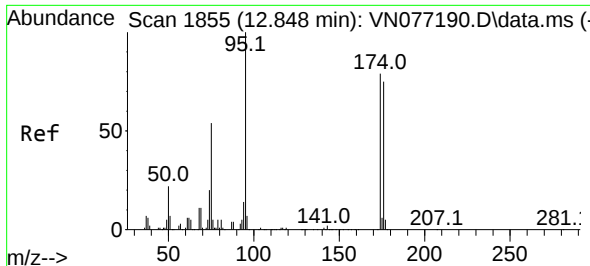
Tgt Ion: 43 Resp: 524091
Ion Ratio Lower Upper
43 100
61 14.7 26.2 39.2#
87 9.3 14.8 22.2#



#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

Tgt Ion: 98 Resp: 878375
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

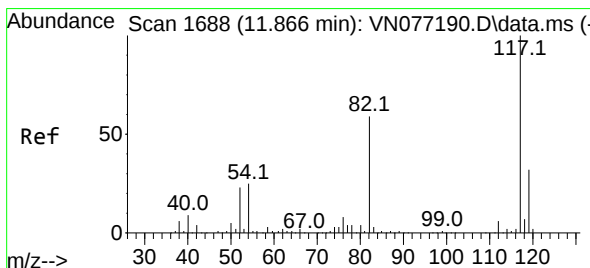
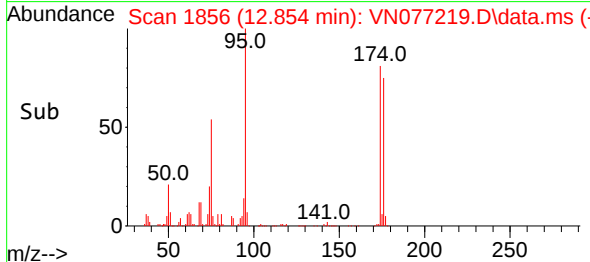
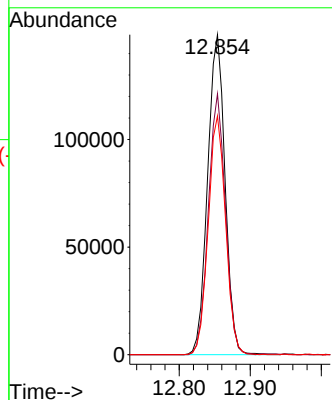
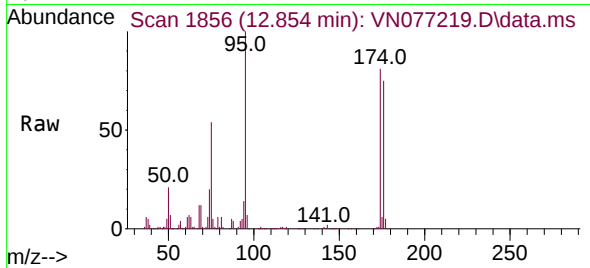




#62
4-Bromofluorobenzene
Concen: 43.021 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

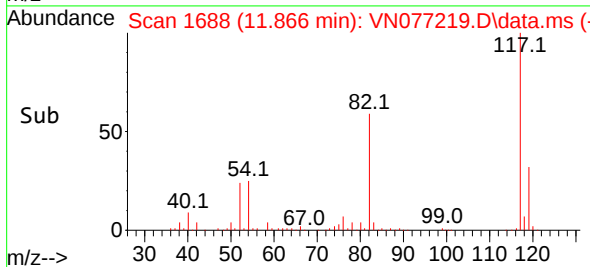
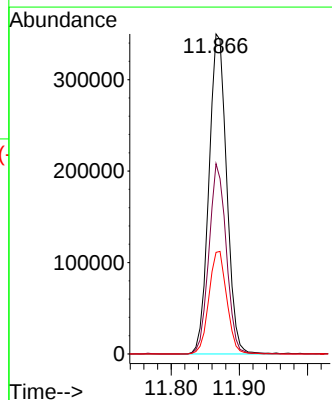
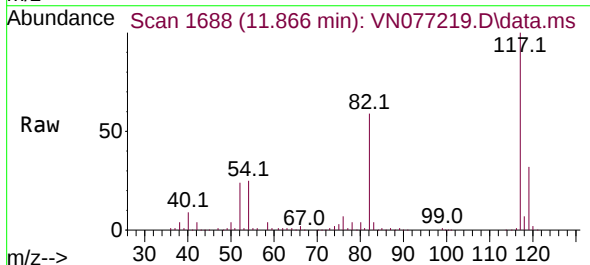
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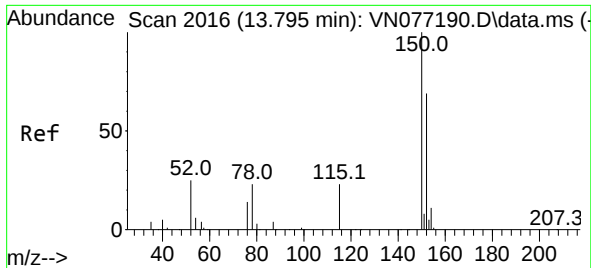
Tgt Ion: 95 Resp: 253645
Ion Ratio Lower Upper
95 100
174 80.1 0.0 162.4
176 74.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077219.D
Acq: 27 Mar 2023 22:41

Tgt Ion: 117 Resp: 633057
Ion Ratio Lower Upper
117 100
82 59.4 43.5 65.3
119 31.7 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: VN077219.D

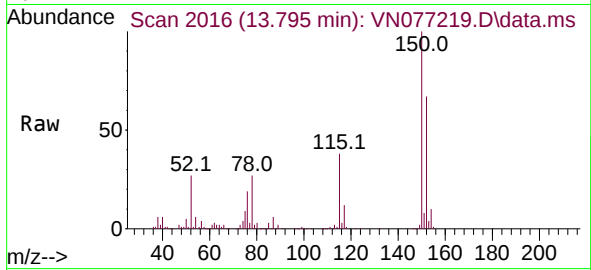
Acq: 27 Mar 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

152140-TCLP-C-032223



Tgt Ion:152 Resp: 225205

Ion Ratio Lower Upper

152 100

115 59.5 30.3 90.9

150 156.2 0.0 353.6

