

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076715.D
 Acq On : 16 Feb 2023 16:39
 Operator : JC\MD
 Sample : 01538-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-4

Quant Time: Feb 17 00:14:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

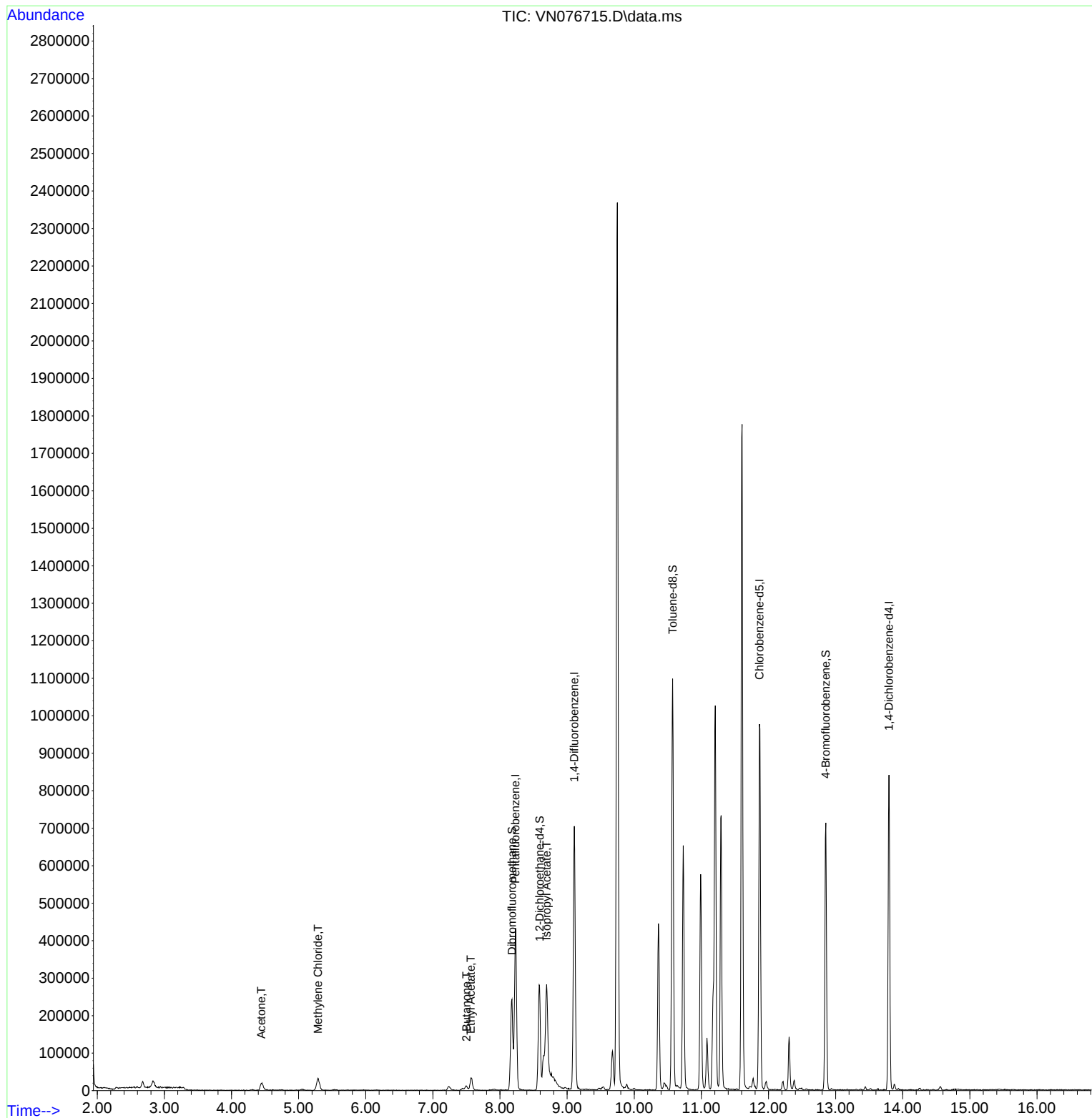
Internal Standards						
1) Pentafluorobenzene	8.230	168	304836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	575729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	548357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	214620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	218951	52.016	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.040%
35) Dibromofluoromethane	8.177	113	171764	45.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	10.571	98	738223	52.429	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.860%
62) 4-Bromofluorobenzene	12.854	95	225280	48.307	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.620%
Target Compounds						
						Qvalue
16) Acetone	4.442	43	37160	19.763	ug/l	89
20) Methylene Chloride	5.289	84	24199	6.141	ug/l	87
25) 2-Butanone	7.501	43	19864	7.162	ug/l	94
37) Ethyl Acetate	7.566	43	53066	9.259	ug/l	97
43) Isopropyl Acetate	8.695	43	436720	46.826	ug/l #	75

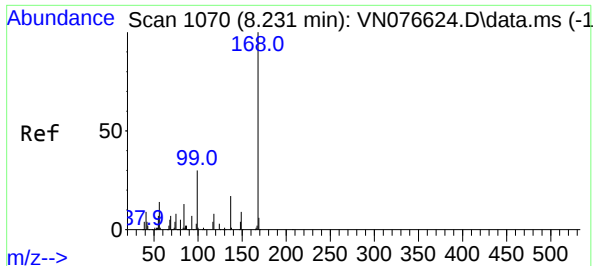
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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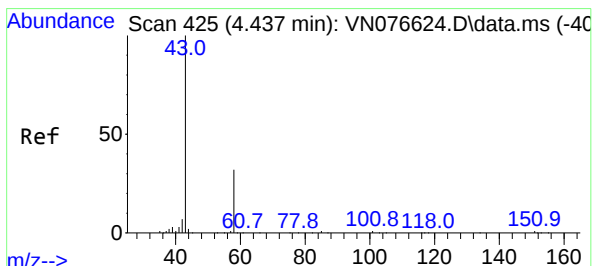
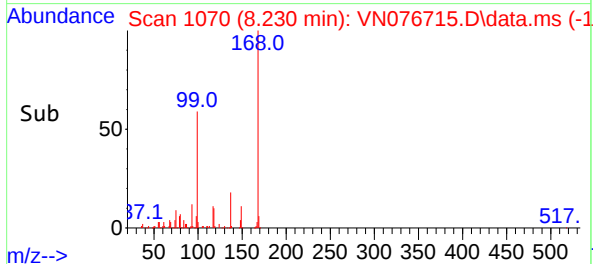
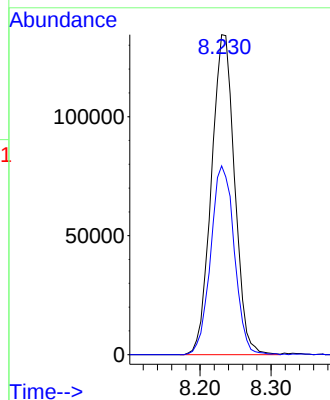
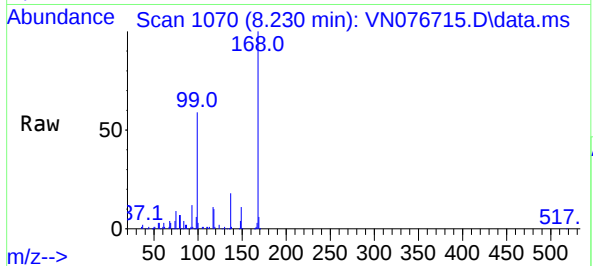




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

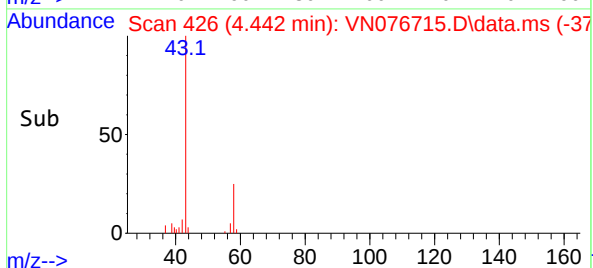
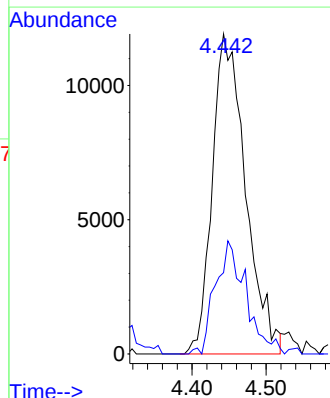
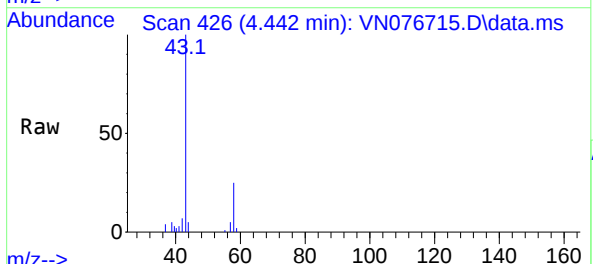
Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

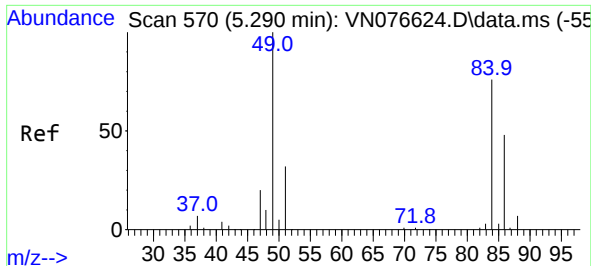
Tgt Ion:168 Resp: 304836
Ion Ratio Lower Upper
168 100
99 59.0 44.8 67.2



#16
Acetone
Concen: 19.763 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 43 Resp: 37160
Ion Ratio Lower Upper
43 100
58 26.2 25.9 38.9

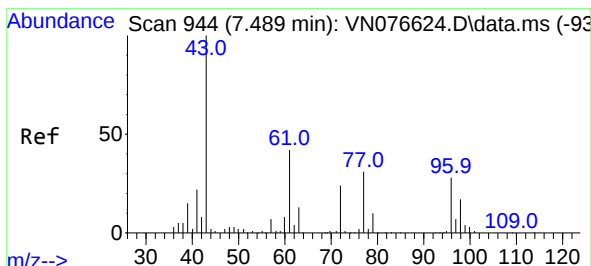
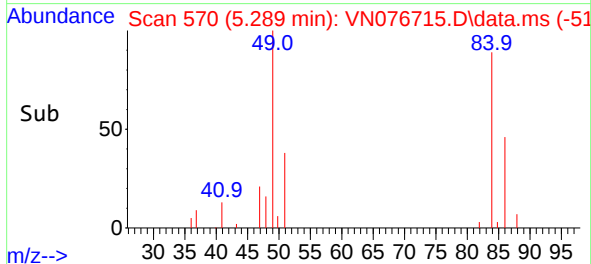
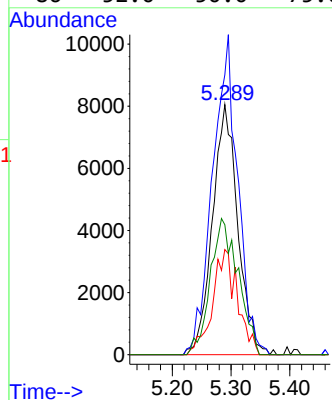
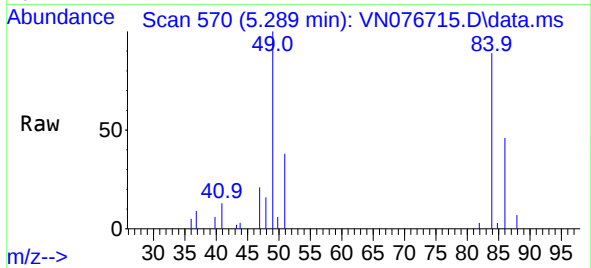




#20
Methylene Chloride
Concen: 6.141 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

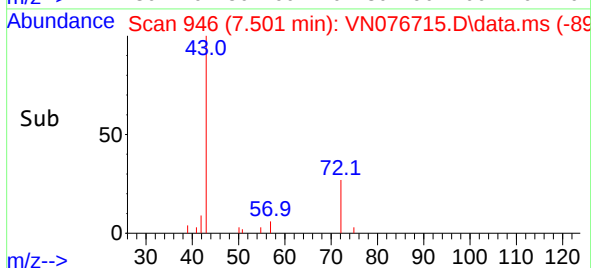
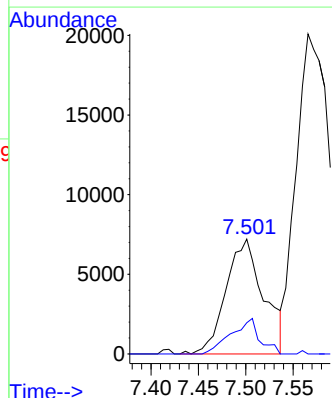
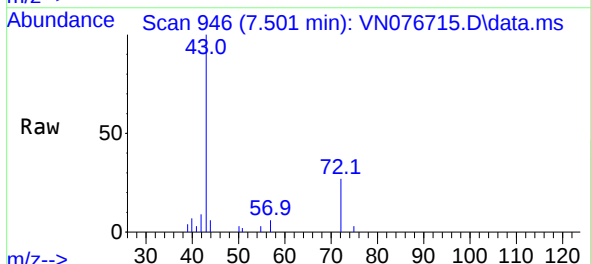
Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

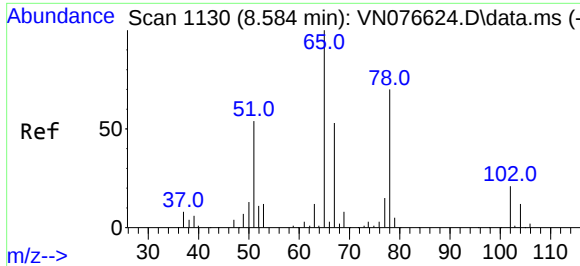
Tgt Ion:	84	Resp:	24199
Ion	Ratio	Lower	Upper
84	100		
49	111.9	104.9	157.3
51	42.0	33.8	50.8
86	52.0	50.0	75.0



#25
2-Butanone
Concen: 7.162 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion:	43	Resp:	19864
Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.4	29.2



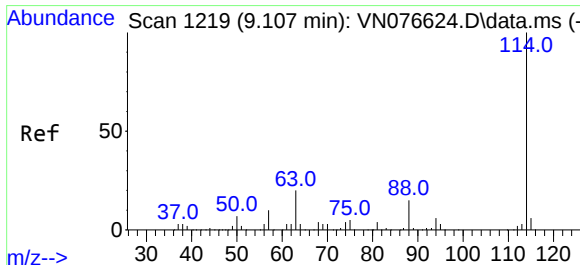
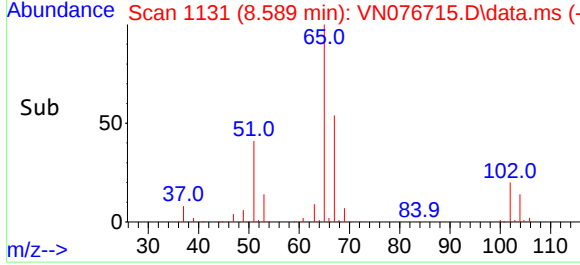
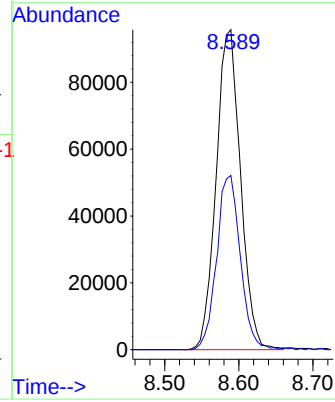
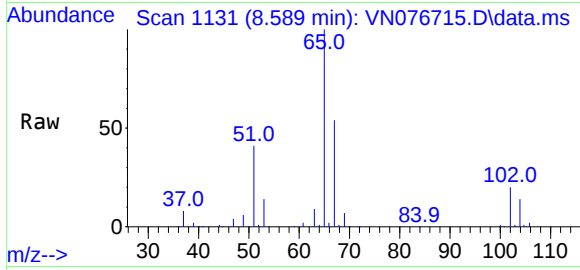


#33
1,2-Dichloroethane-d4
Concen: 52.016 ug/l
RT: 8.589 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

Tgt Ion: 65 Resp: 218951

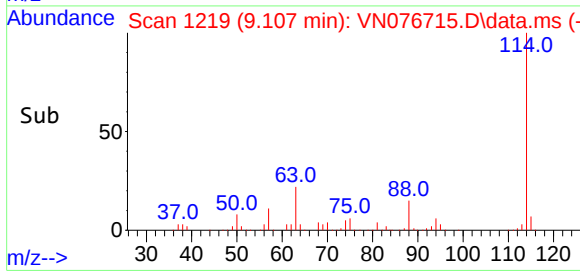
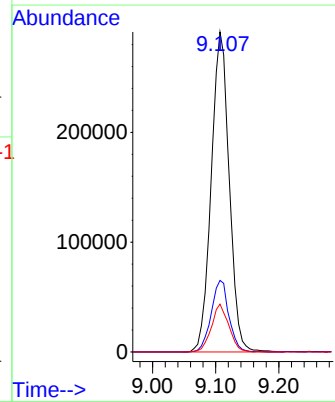
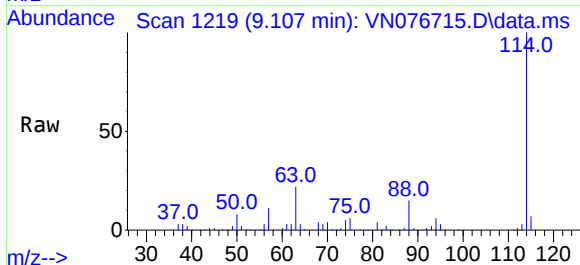
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

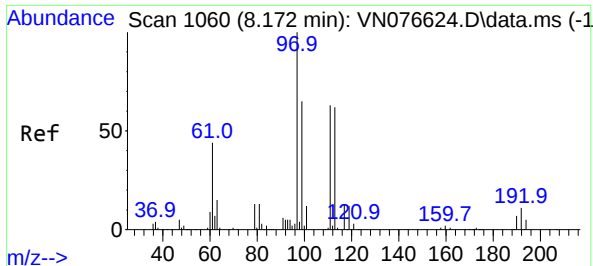


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 114 Resp: 575729

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	40.0
88	15.0	0.0	29.6

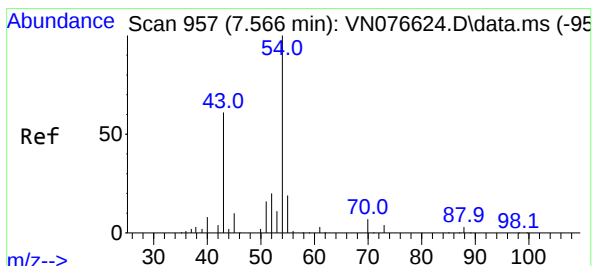
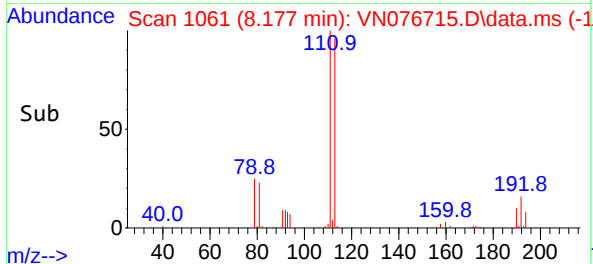
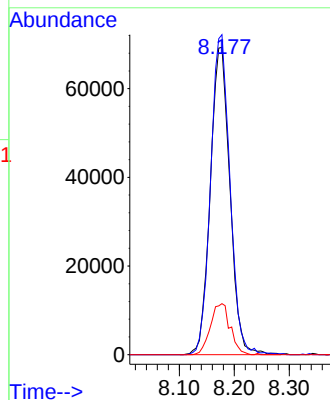
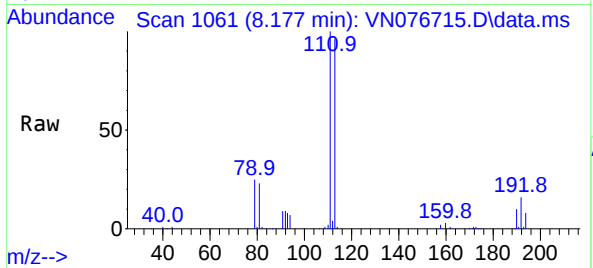




#35
Dibromofluoromethane
Concen: 45.557 ug/l
RT: 8.177 min Scan# 1060
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

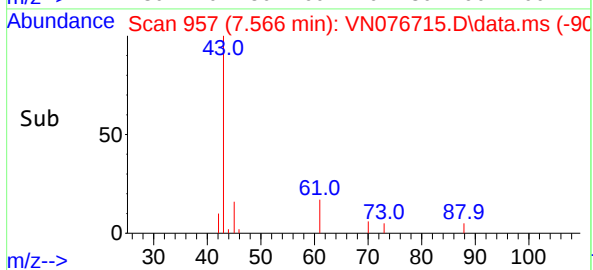
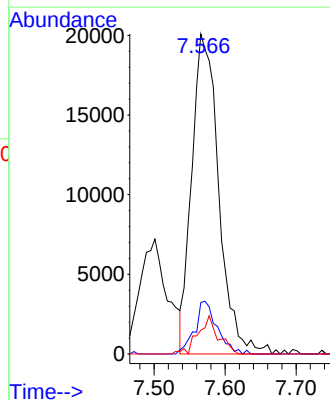
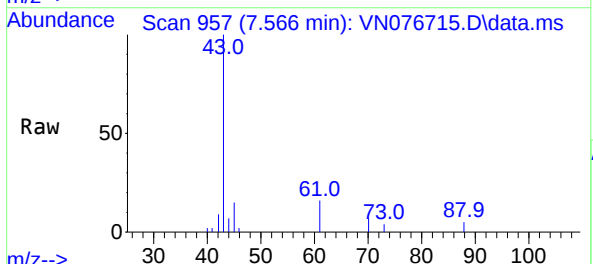
Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

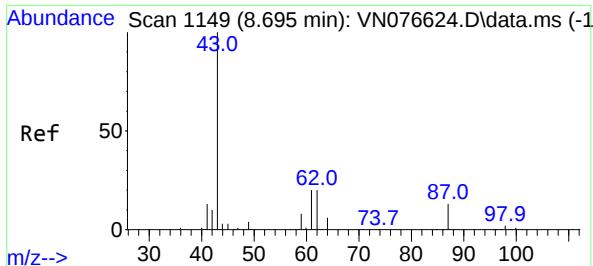
Tgt Ion:113 Resp: 171764
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 16.7 15.6 23.4



#37
Ethyl Acetate
Concen: 9.259 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 43 Resp: 53066
Ion Ratio Lower Upper
43 100
61 13.7 9.9 14.9
70 9.0 7.8 11.6

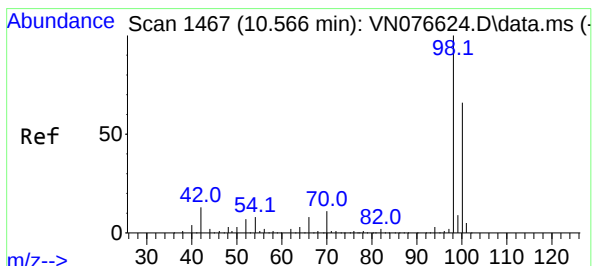
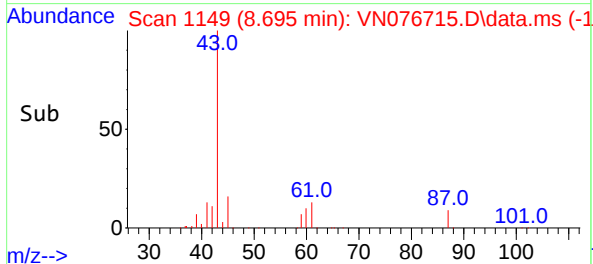
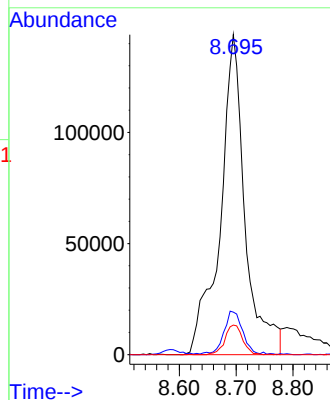
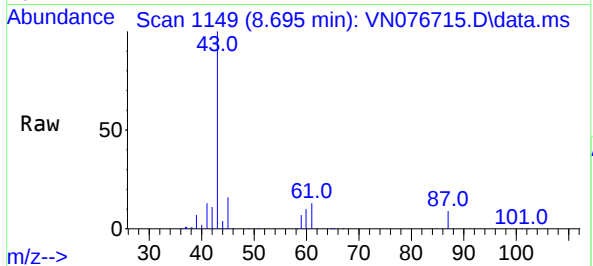




#43
Isopropyl Acetate
Concen: 46.826 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

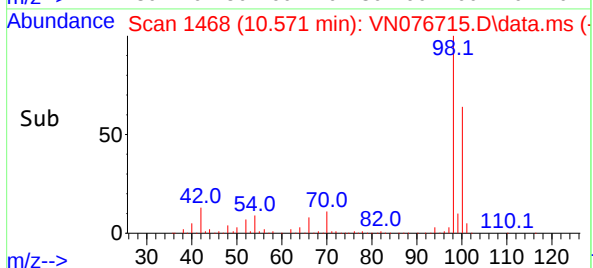
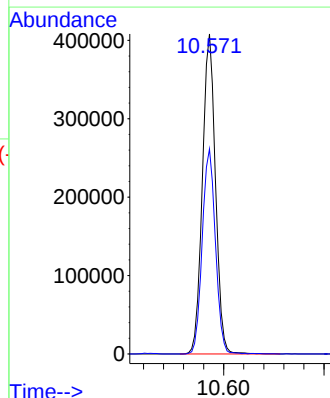
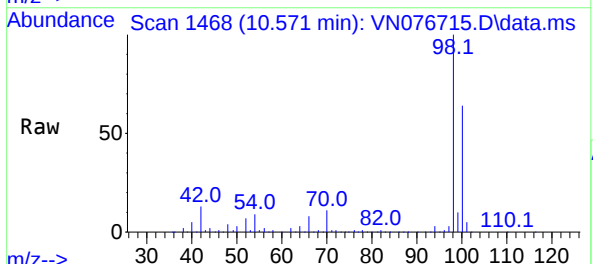
Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

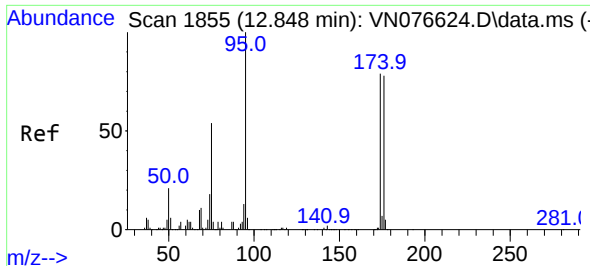
Tgt Ion: 43 Resp: 436720
Ion Ratio Lower Upper
43 100
61 9.9 20.0 30.0#
87 6.6 9.9 14.9#



#50
Toluene-d8
Concen: 52.429 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 98 Resp: 738223
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3

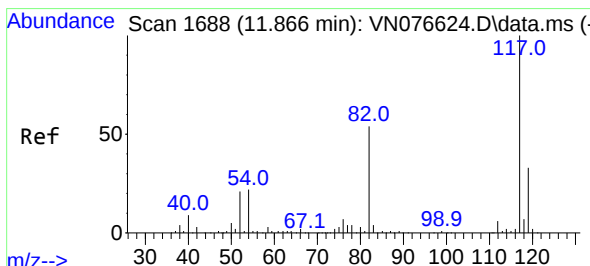
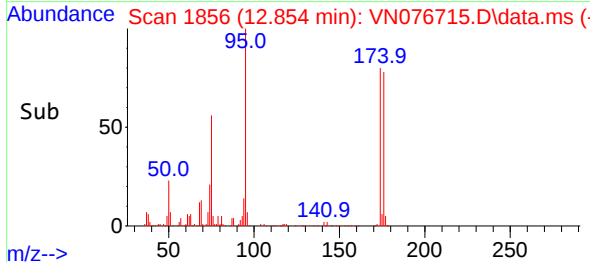
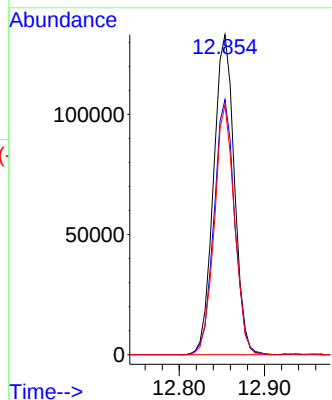
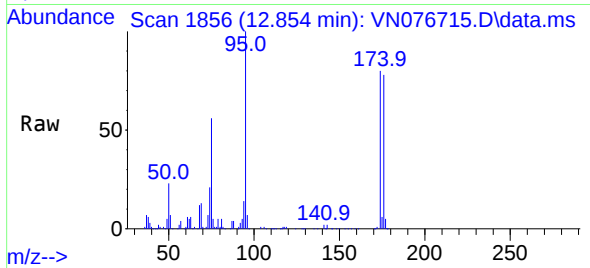




#62
4-Bromofluorobenzene
Concen: 48.307 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

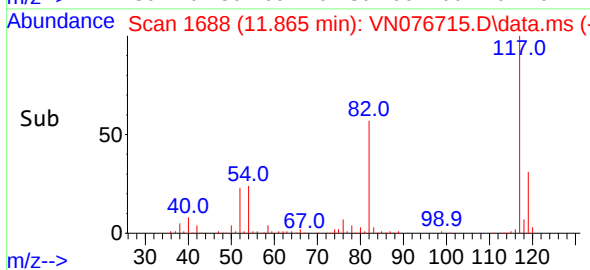
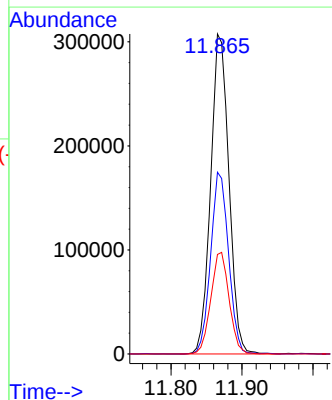
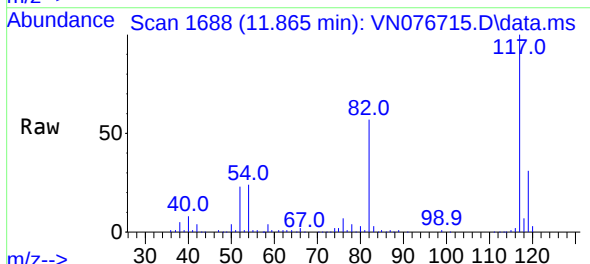
Instrument :
MSVOA_N
ClientSampleId :
TCLP-4

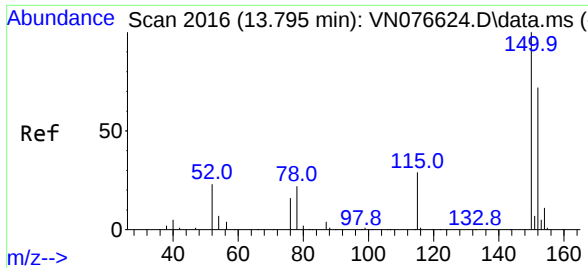
Tgt Ion: 95 Resp: 225280
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.2
176 75.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN076715.D
Acq: 16 Feb 2023 16:39

Tgt Ion: 117 Resp: 548357
Ion Ratio Lower Upper
117 100
82 56.8 43.4 65.2
119 31.1 26.1 39.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN076715.D
 Acq: 16 Feb 2023 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-4

Tgt Ion:152 Resp: 214620
 Ion Ratio Lower Upper
 152 100
 115 59.3 29.3 87.9
 150 155.6 0.0 349.8

