

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076246.D
 Acq On : 13 Jan 2023 14:15
 Operator : JC\MD
 Sample : 01133-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC

Quant Time: Jan 16 01:08:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

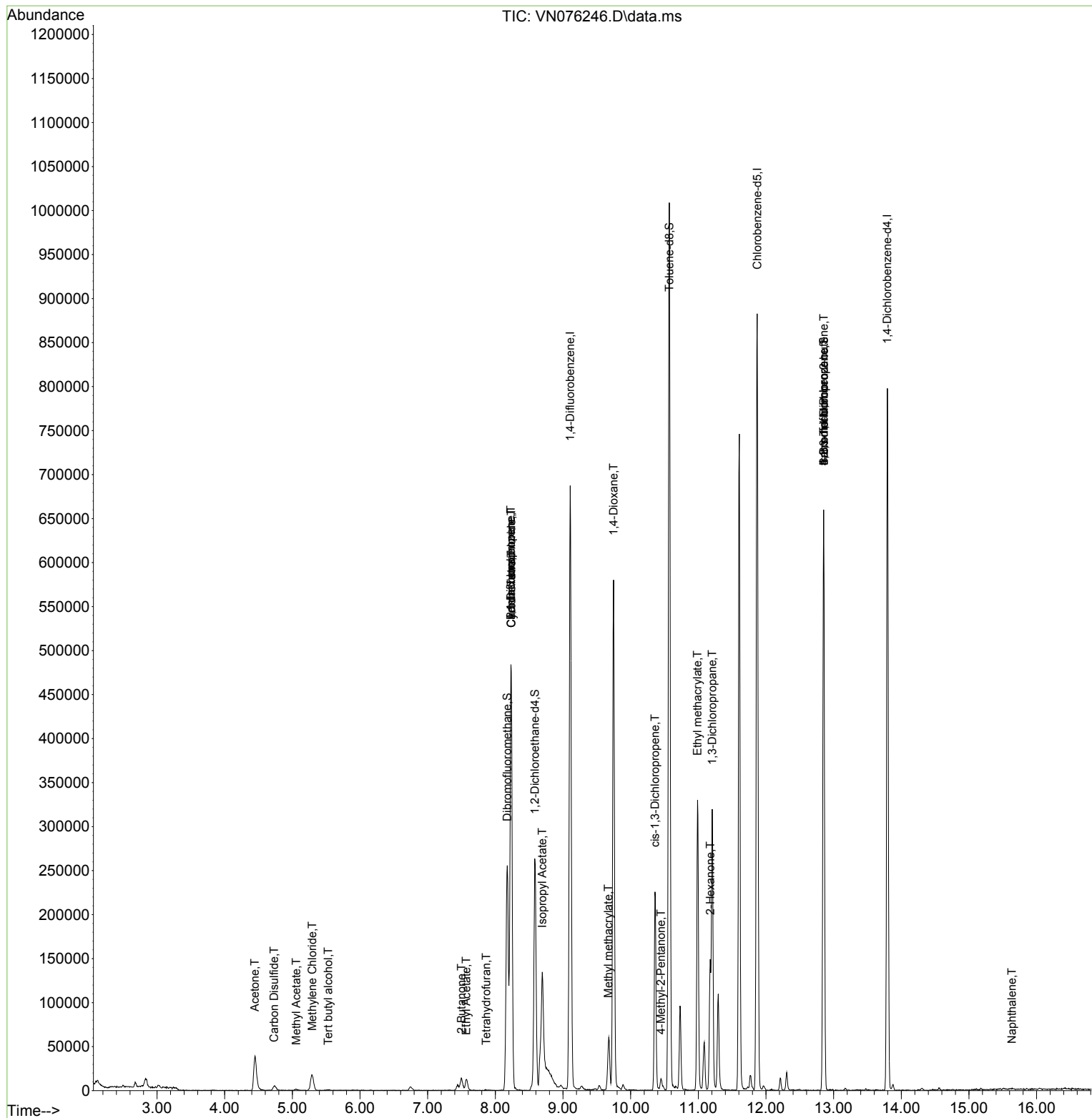
Internal Standards						
1) Pentafluorobenzene	8.230	168	378288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	622164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	537305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	210805	51.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.440%			
35) Dibromofluoromethane	8.177	113	184800	47.963	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.920%			
50) Toluene-d8	10.571	98	721063	50.054	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.853	95	217917	45.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.340%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	417	0.716	ug/l #	72
16) Acetone	4.447	43	75585	53.279	ug/l	91
17) Carbon Disulfide	4.730	76	4967	0.612	ug/l #	76
18) Methyl Acetate	5.059	43	2841	0.677	ug/l #	45
20) Methylene Chloride	5.294	84	14587	3.245	ug/l	94
25) 2-Butanone	7.500	43	22679	11.417	ug/l	99
29) Tetrahydrofuran	7.865	42	550	0.442	ug/l #	41
31) Cyclohexane	8.235	56	7523	1.276	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	27716	5.415	ug/l #	51
37) Ethyl Acetate	7.571	43	18278	4.446	ug/l	97
38) Carbon Tetrachloride	8.235	117	37844	6.606	ug/l #	16
43) Isopropyl Acetate	8.694	43	172408	25.422	ug/l #	75
48) Methyl methacrylate	9.671	41	3813	1.248	ug/l #	32
49) 1,4-Dioxane	9.747	88	137	1.824	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10938	2.667	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	43794	7.290	ug/l #	66
56) Ethyl methacrylate	10.988	69	1554	0.290	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3599	0.544	ug/l #	42
59) 2-Hexanone	11.176	43	146571	49.004	ug/l #	20
71) Bromoform	12.853	173	1495	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	113087	25.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113087	91.019	ug/l #	12
95) Naphthalene	15.635	128	2092	2.343	ug/l #	76

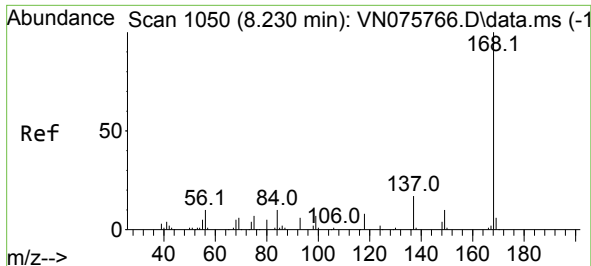
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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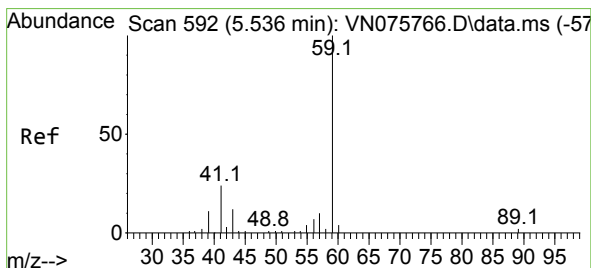
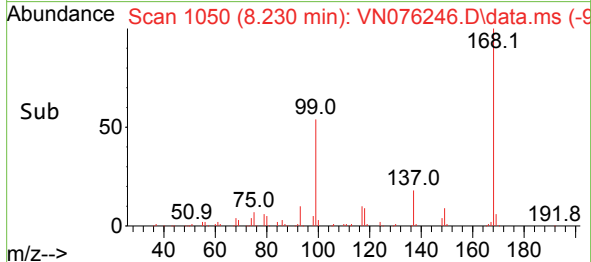
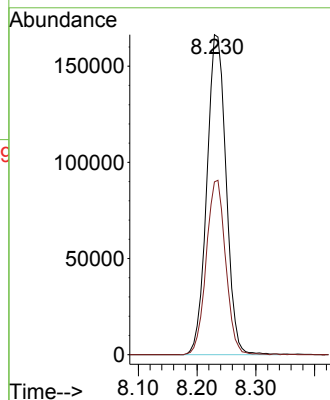
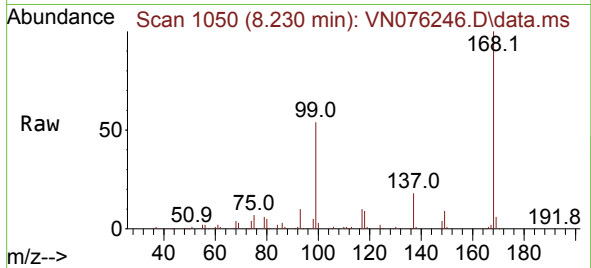




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

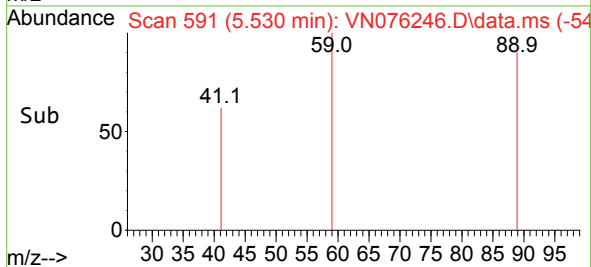
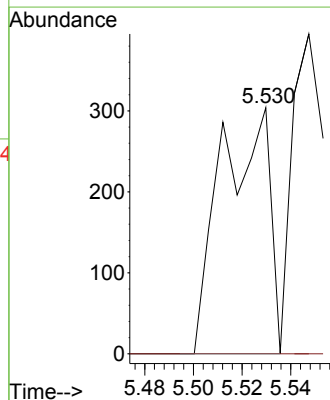
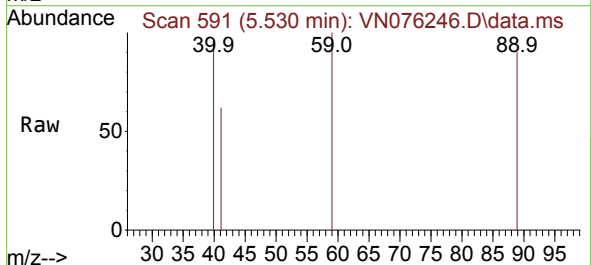
Instrument :
MSVOA_N
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TCLP-VOC

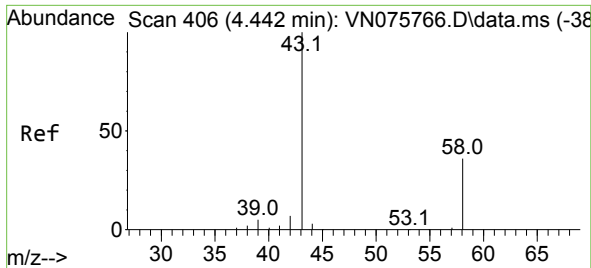
Tgt Ion:168 Resp: 378288
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.716 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 53.279 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

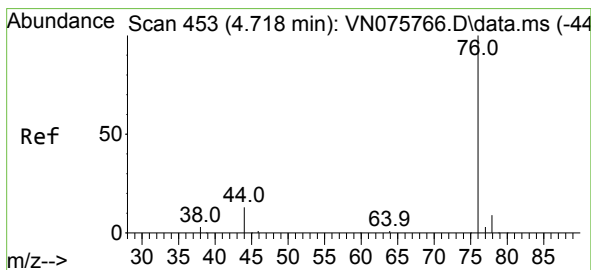
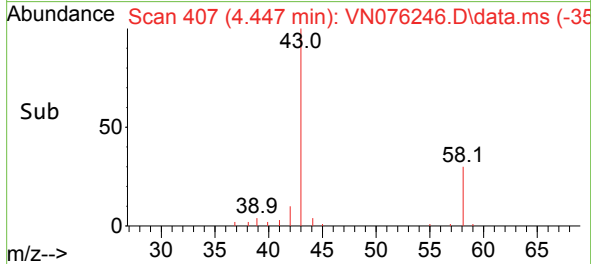
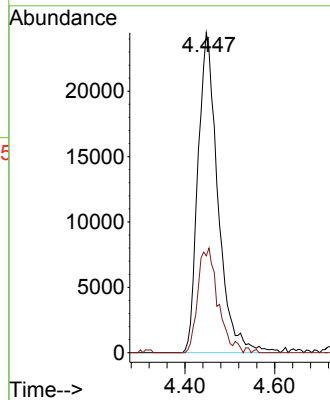
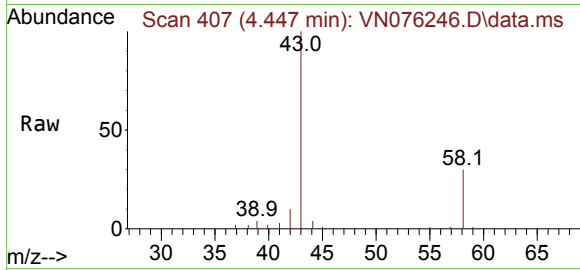
TCLP-VOC

Tgt Ion: 43 Resp: 75585

Ion Ratio Lower Upper

43 100

58 30.2 28.6 43.0



#17

Carbon Disulfide

Concen: 0.612 ug/l

RT: 4.730 min Scan# 455

Delta R.T. 0.012 min

Lab File: VN076246.D

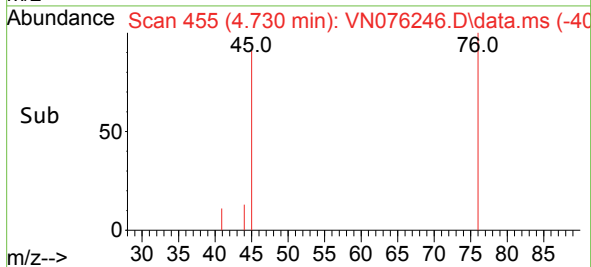
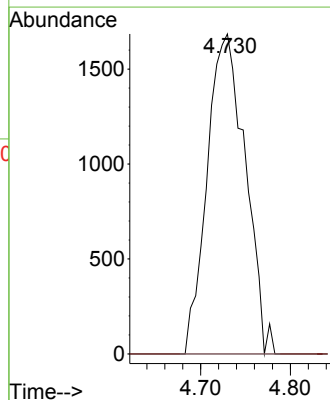
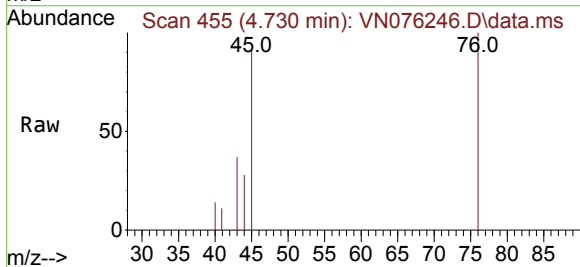
Acq: 13 Jan 2023 14:15

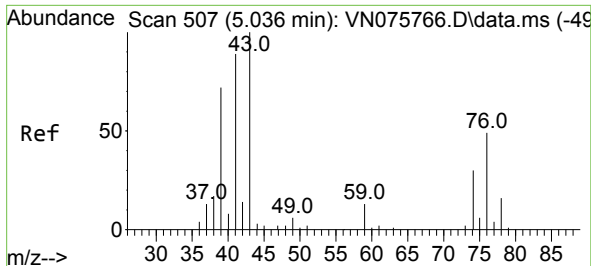
Tgt Ion: 76 Resp: 4967

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

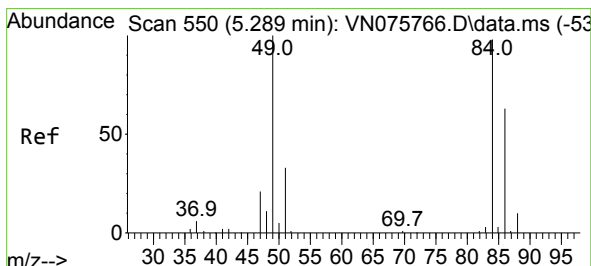
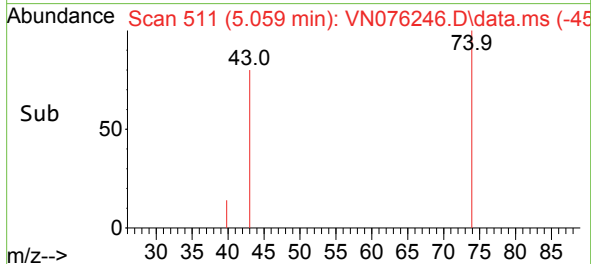
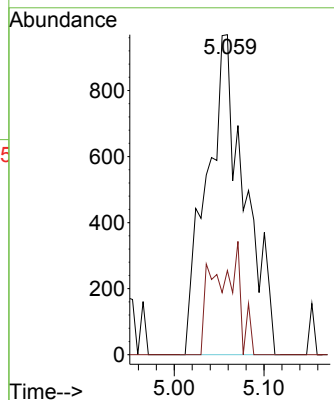
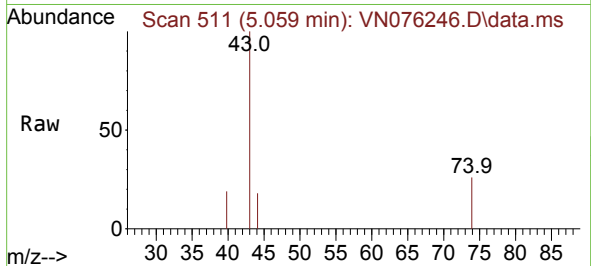




#18
Methyl Acetate
Concen: 0.677 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

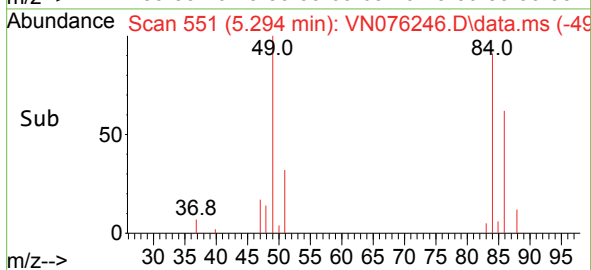
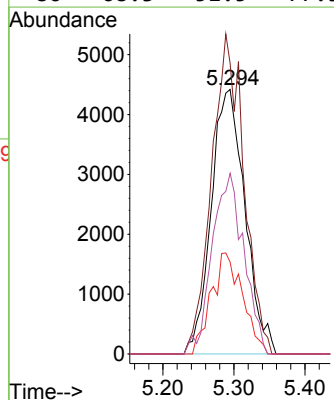
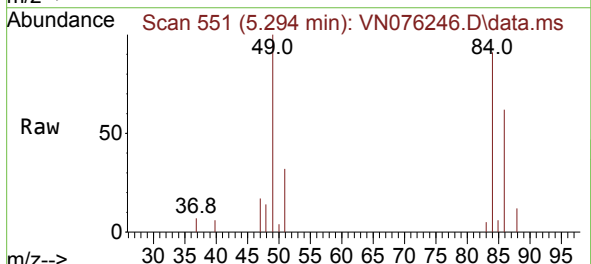
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

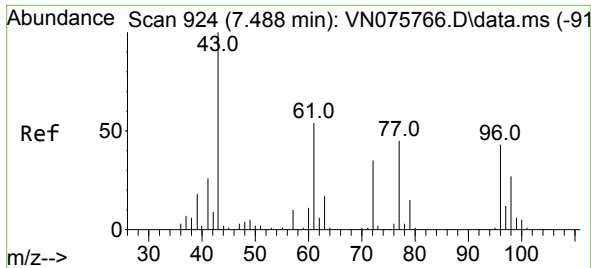
Tgt Ion: 43 Resp: 2841
Ion Ratio Lower Upper
43 100
74 0.0 23.6 35.4#



#20
Methylene Chloride
Concen: 3.245 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 84 Resp: 14587
Ion Ratio Lower Upper
84 100
49 109.8 81.8 122.6
51 34.7 26.7 40.1
86 68.3 51.5 77.3

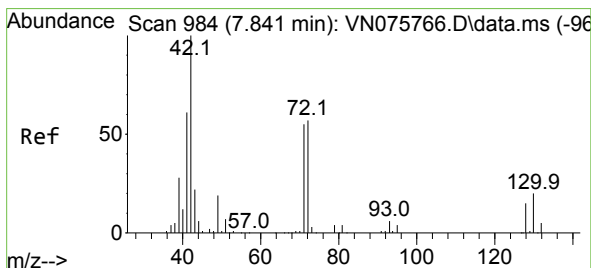
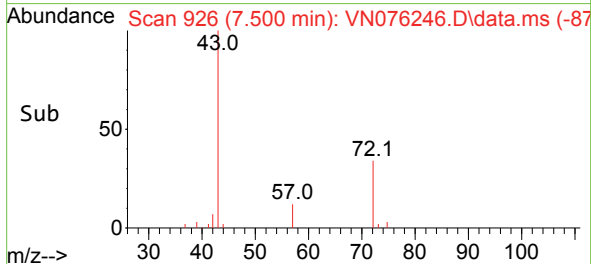
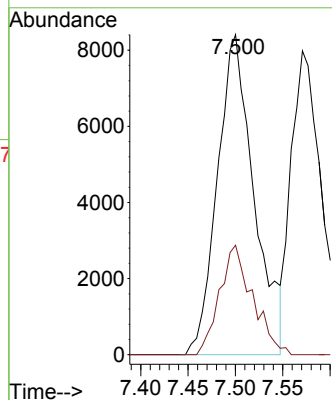
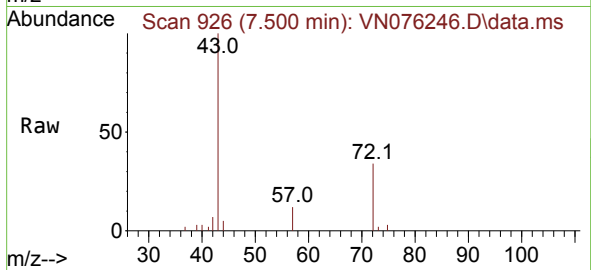




#25
2-Butanone
Concen: 11.417 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

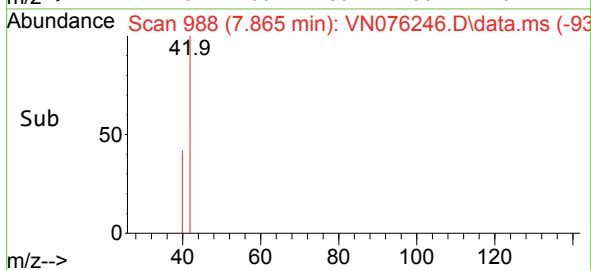
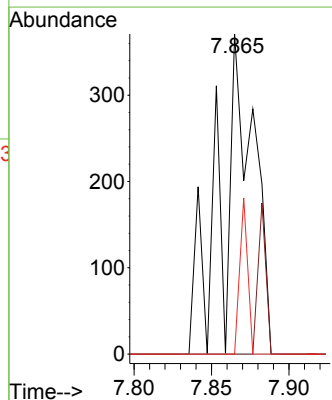
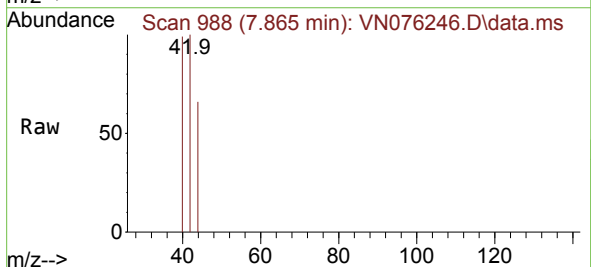
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

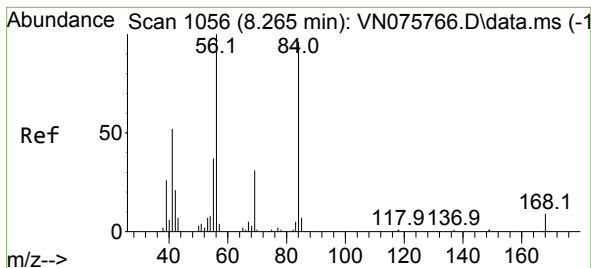
Tgt Ion: 43 Resp: 22679
Ion Ratio Lower Upper
43 100
72 34.2 28.0 42.0



#29
Tetrahydrofuran
Concen: 0.442 ug/l
RT: 7.865 min Scan# 988
Delta R.T. 0.023 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 42 Resp: 550
Ion Ratio Lower Upper
42 100
72 11.3 44.5 66.7#
71 11.6 41.0 61.6#





#31

Cyclohexane

Concen: 1.276 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076246.D

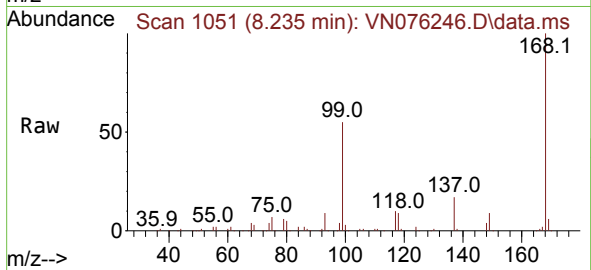
Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC



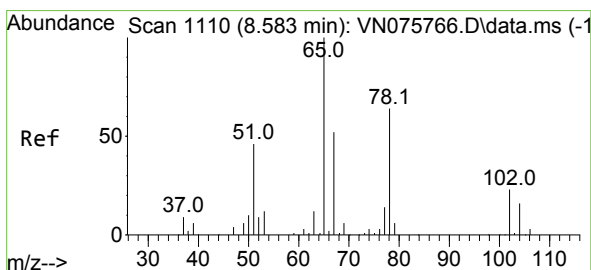
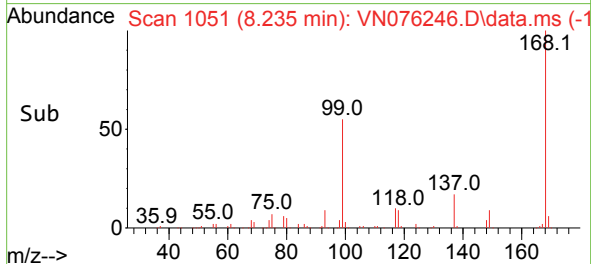
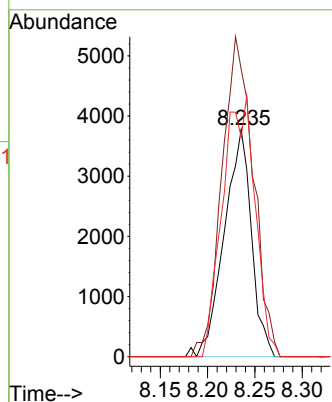
Tgt Ion: 56 Resp: 7523

Ion Ratio Lower Upper

56 100

69 126.5 24.7 37.1#

84 96.6 76.5 114.7



#33

1,2-Dichloroethane-d4

Concen: 51.223 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076246.D

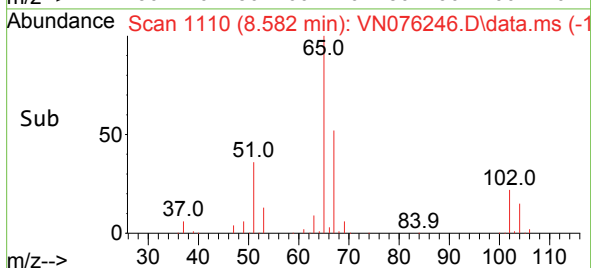
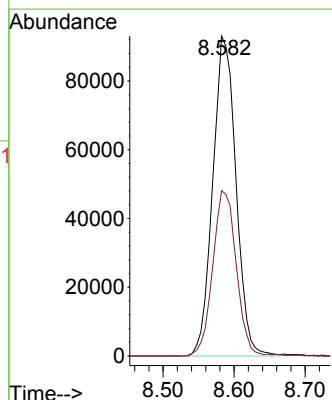
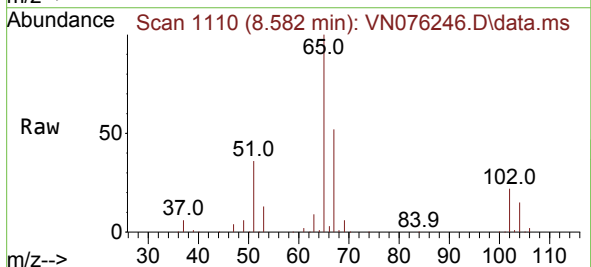
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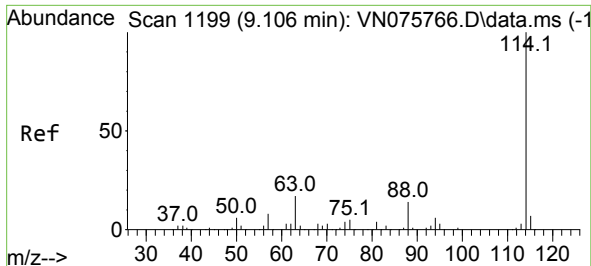
Tgt Ion: 65 Resp: 210805

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC

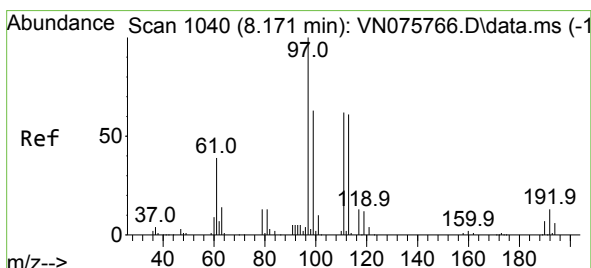
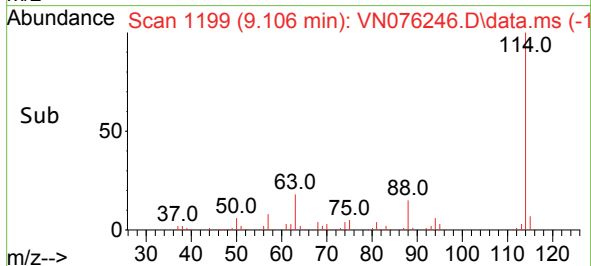
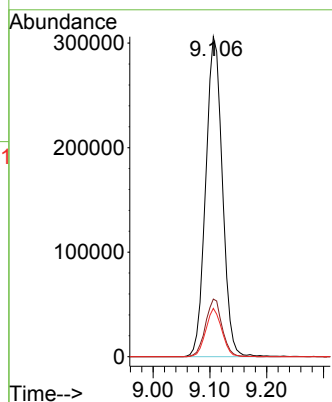
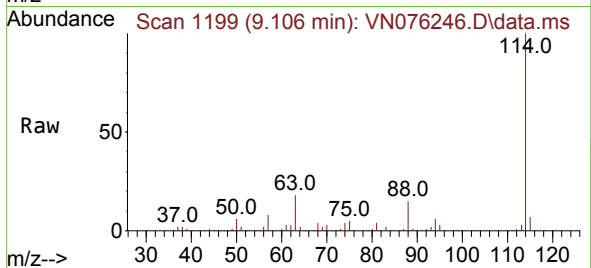
Tgt Ion:114 Resp: 622164

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.963 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

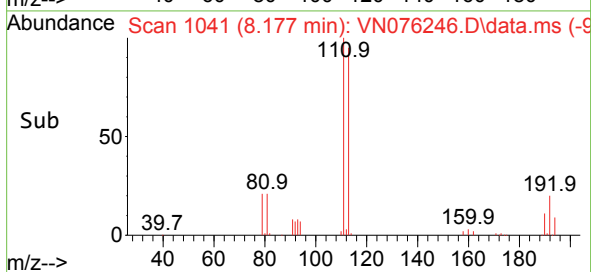
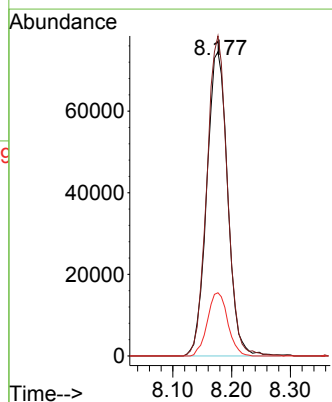
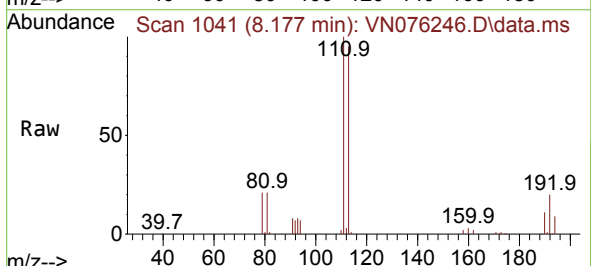
Tgt Ion:113 Resp: 184800

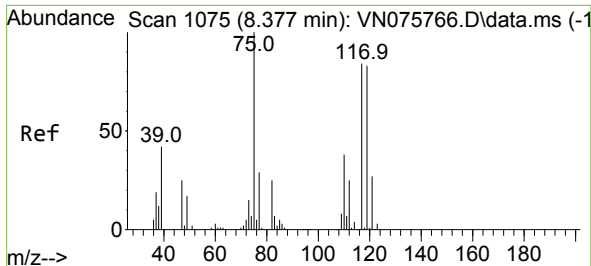
Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.415 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

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TCLP-VOC

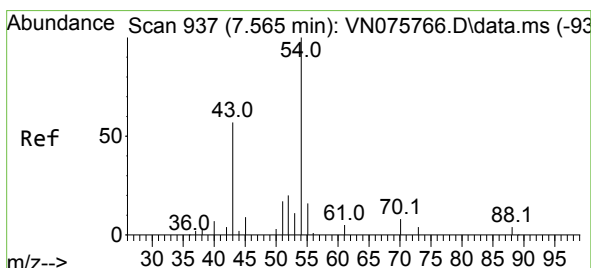
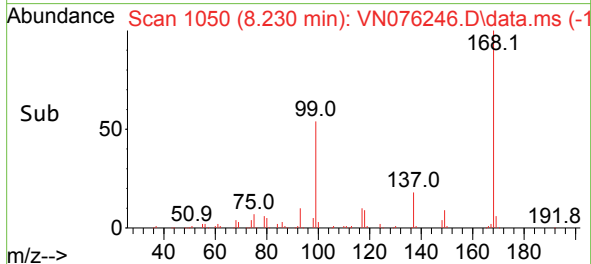
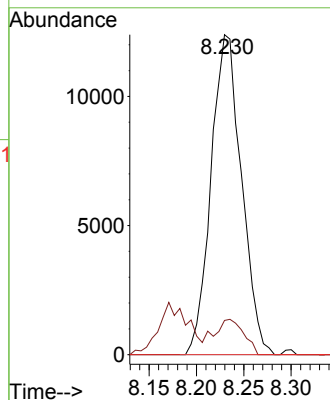
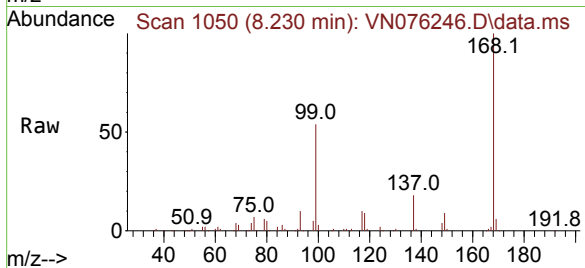
Tgt Ion: 75 Resp: 27716

Ion Ratio Lower Upper

75 100

110 10.8 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 4.446 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

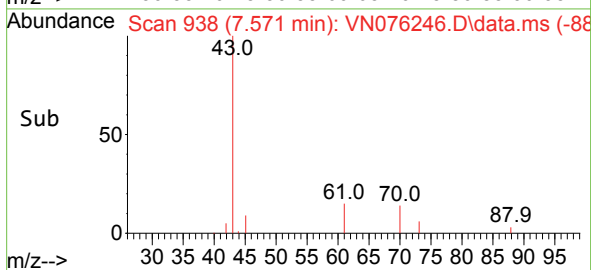
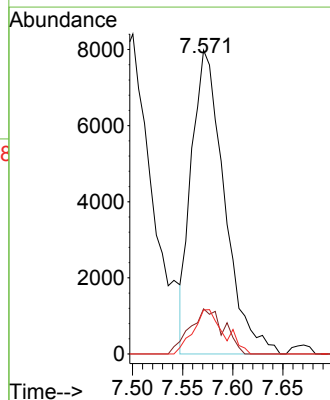
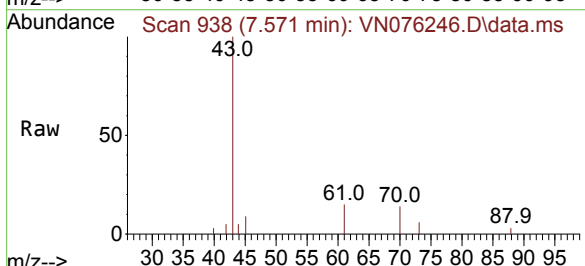
Tgt Ion: 43 Resp: 18278

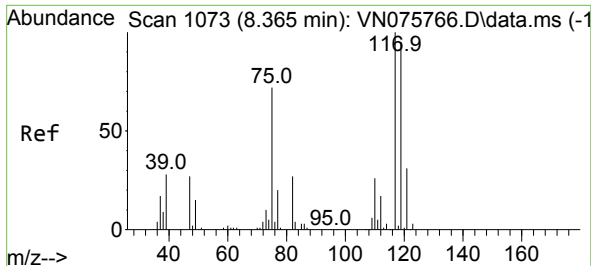
Ion Ratio Lower Upper

43 100

61 15.4 13.0 19.4

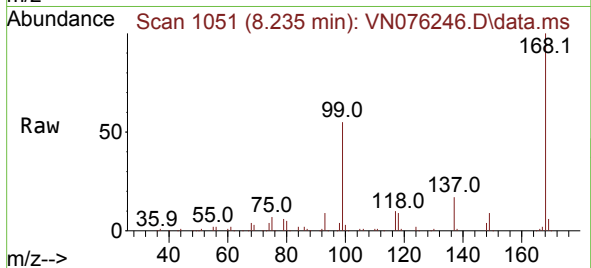
70 13.6 9.4 14.0



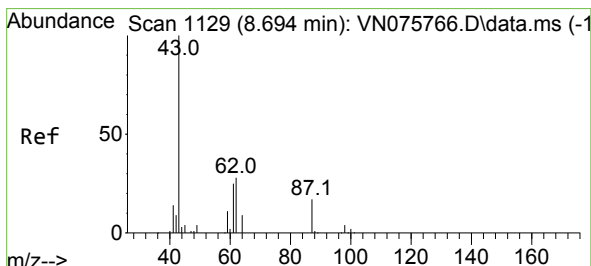
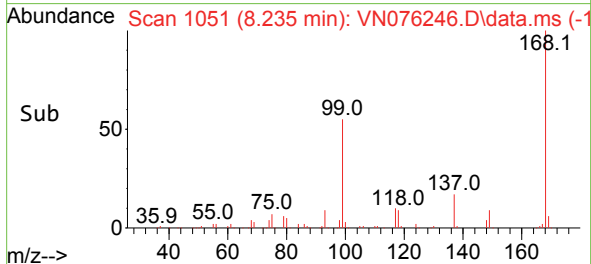
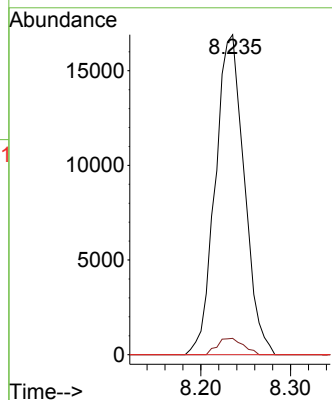


#38
Carbon Tetrachloride
Concen: 6.606 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

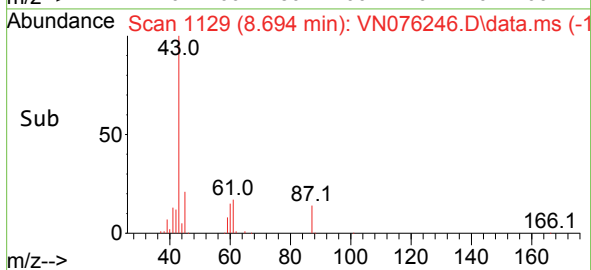
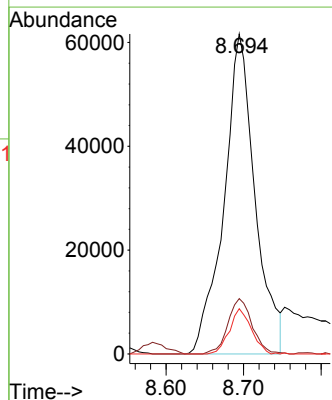
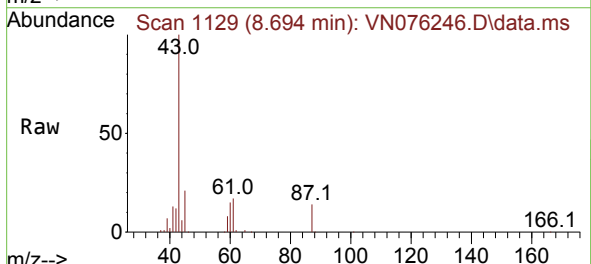


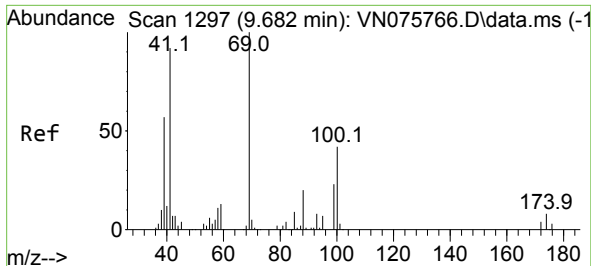
Tgt Ion:117 Resp: 37844
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 25.422 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 43 Resp: 172408
Ion Ratio Lower Upper
43 100
61 13.5 24.2 36.4#
87 10.0 13.3 19.9#

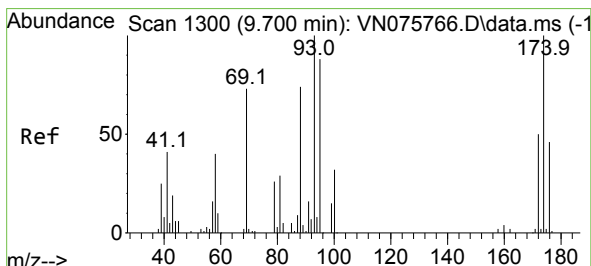
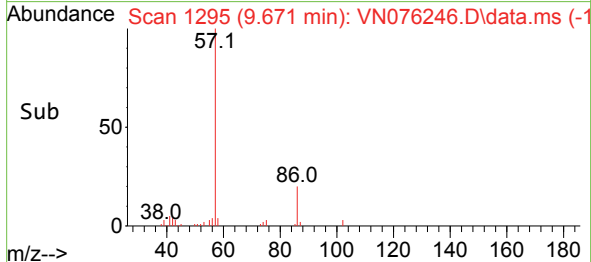
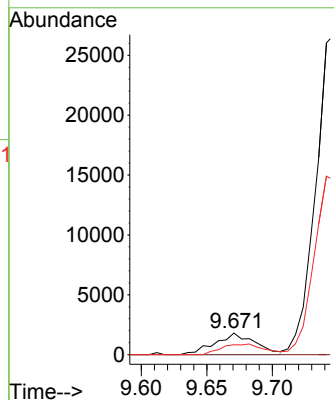
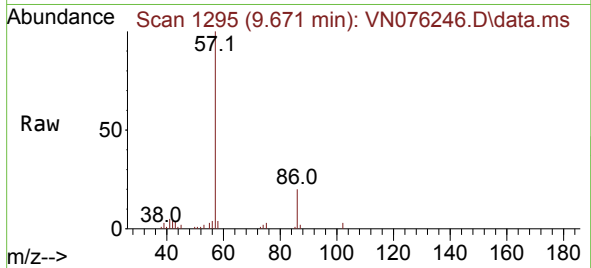




#48
Methyl methacrylate
Concen: 1.248 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

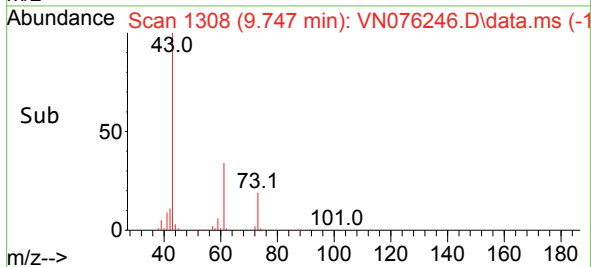
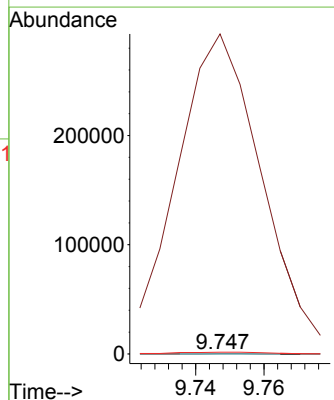
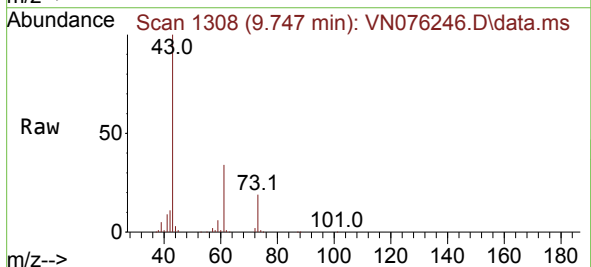
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

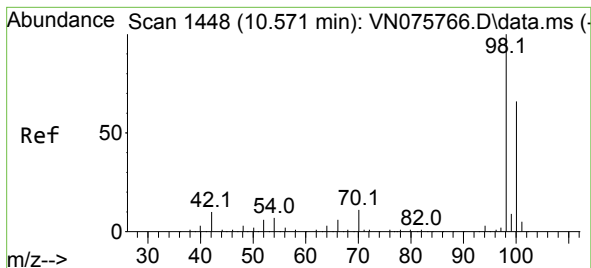
Tgt Ion: 41 Resp: 3813
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 52.3 51.6 77.4



#49
1,4-Dioxane
Concen: 1.824 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 382139.4 17.1 25.7#
58 2401.5 47.8 71.8#





#50

Toluene-d8

Concen: 50.054 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

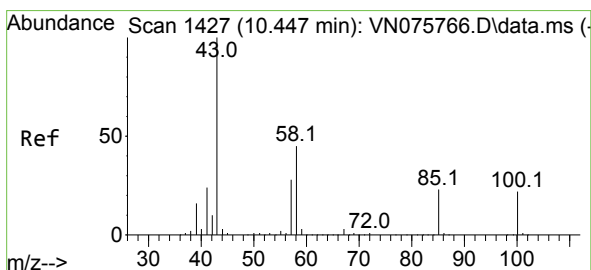
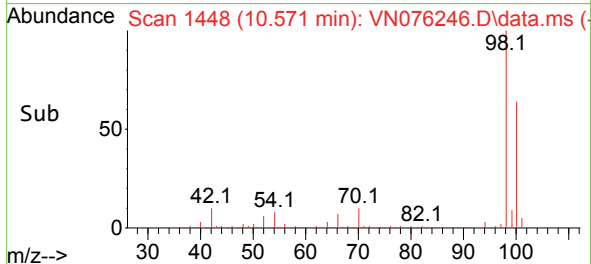
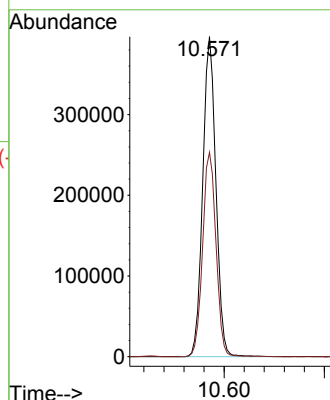
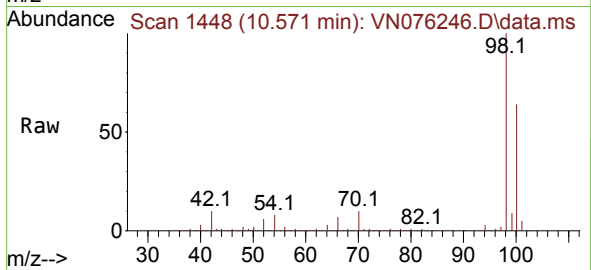
TCLP-VOC

Tgt Ion: 98 Resp: 721063

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 2.667 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN076246.D

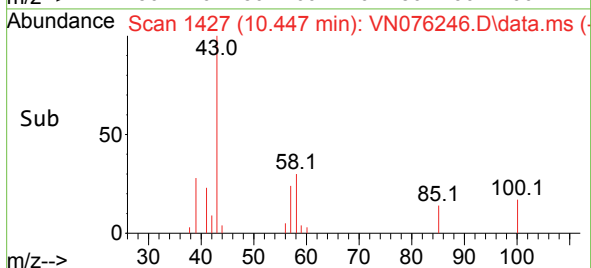
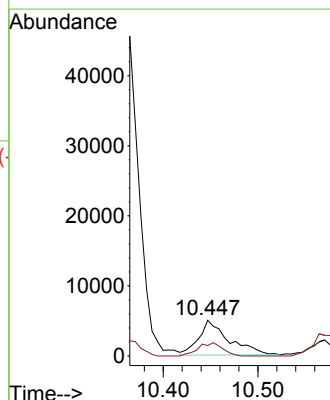
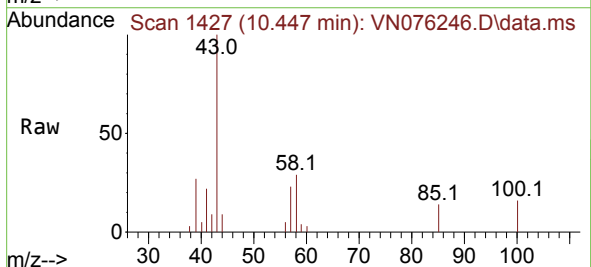
Acq: 13 Jan 2023 14:15

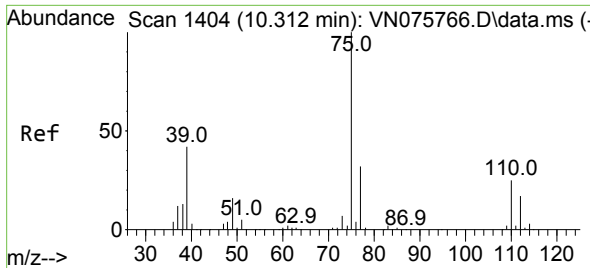
Tgt Ion: 43 Resp: 10938

Ion Ratio Lower Upper

43 100

58 30.8 35.5 53.3#

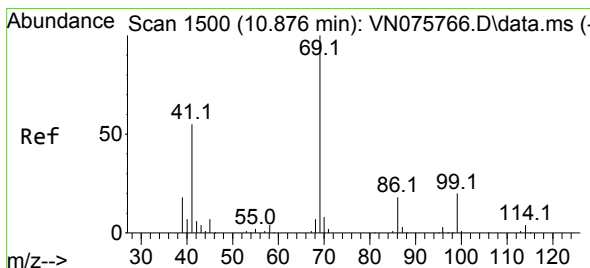
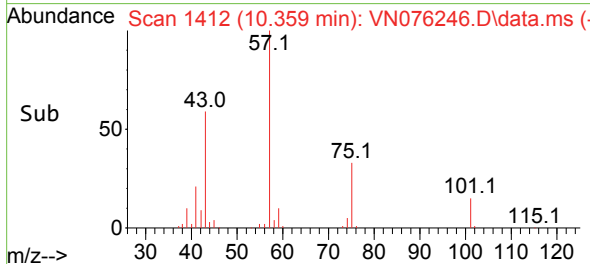
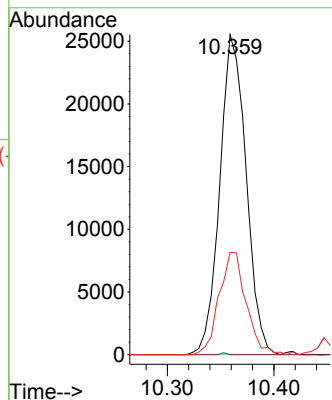
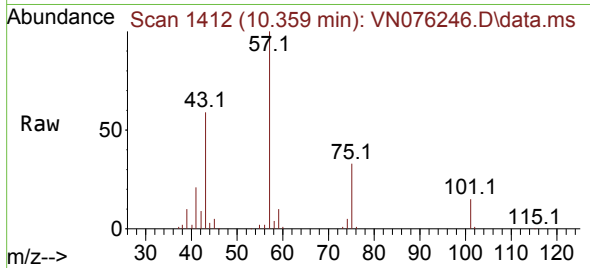




#54
 cis-1,3-Dichloropropene
 Concen: 7.290 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076246.D
 Acq: 13 Jan 2023 14:15

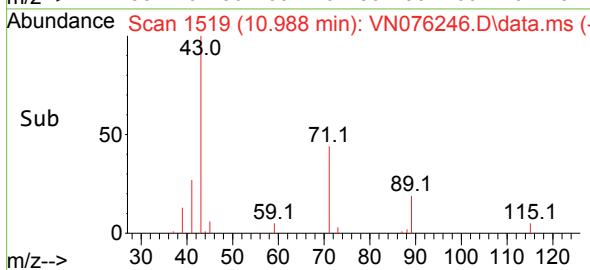
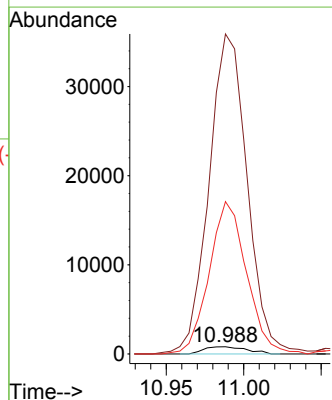
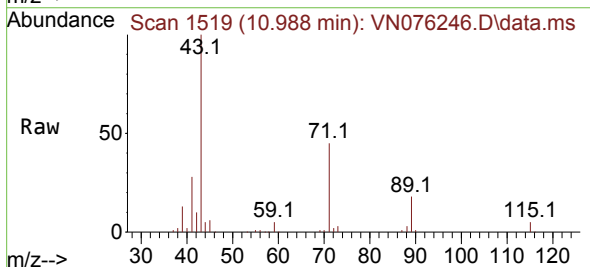
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC

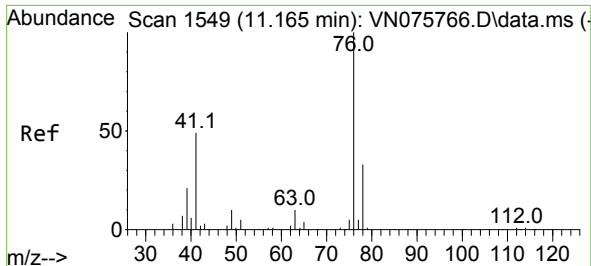
Tgt Ion: 75 Resp: 43794
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 32.0 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.290 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN076246.D
 Acq: 13 Jan 2023 14:15

Tgt Ion: 69 Resp: 1554
 Ion Ratio Lower Upper
 69 100
 41 3966.3 44.2 66.4#
 39 1847.6 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 0.544 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

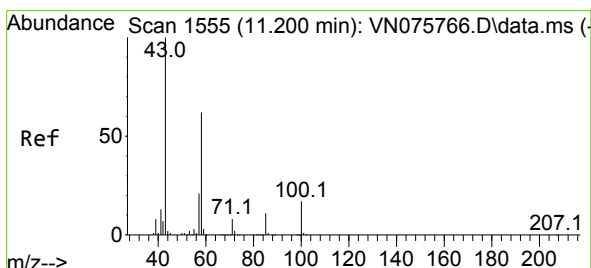
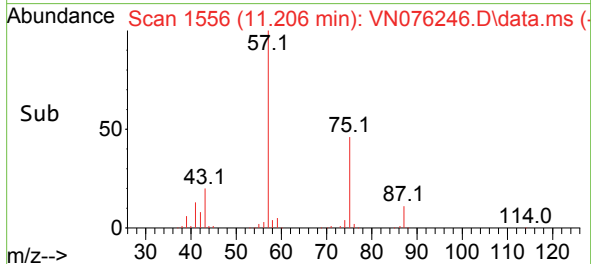
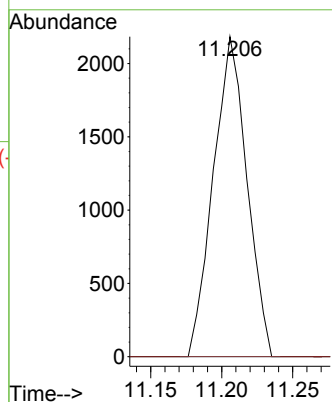
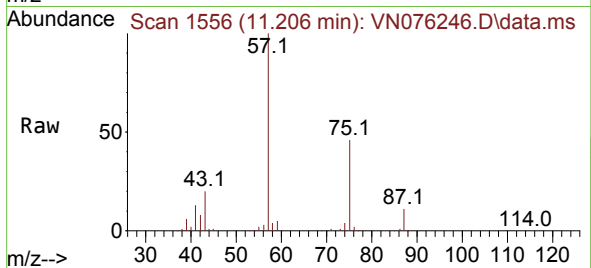
TCLP-VOC

Tgt Ion: 76 Resp: 3599

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 49.004 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN076246.D

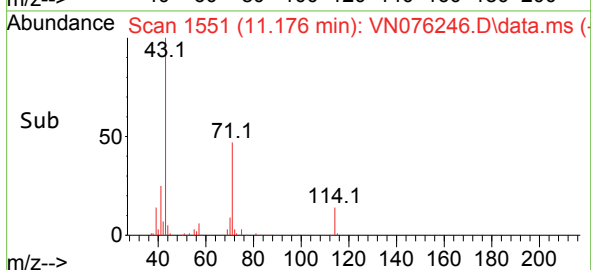
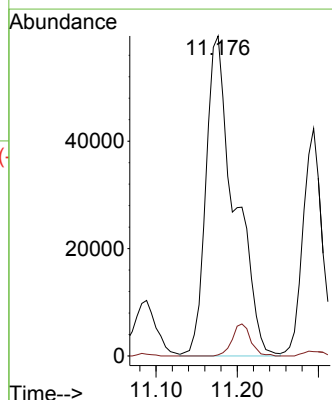
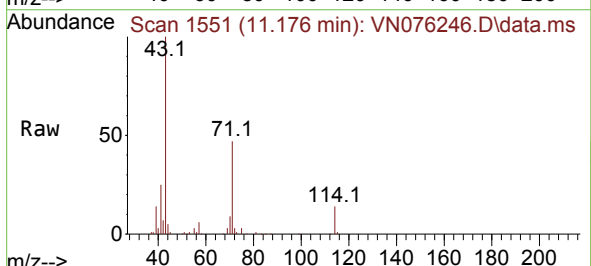
Acq: 13 Jan 2023 14:15

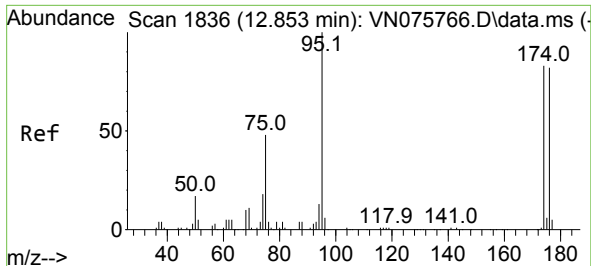
Tgt Ion: 43 Resp: 146571

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

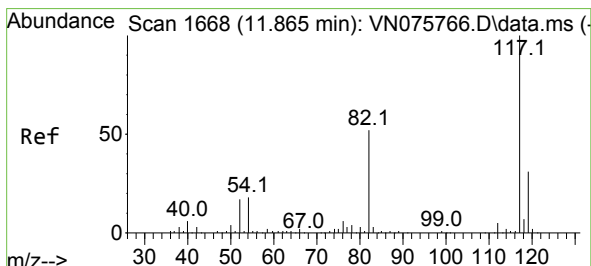
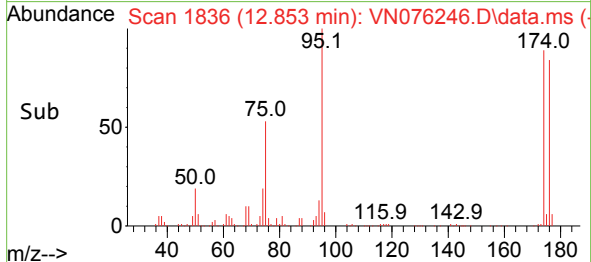
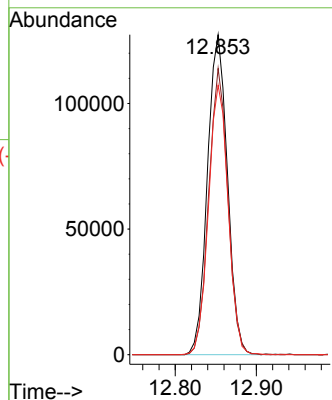
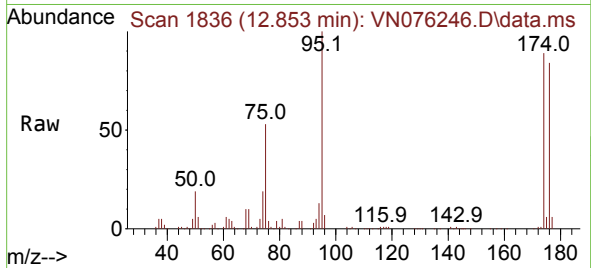




#62
4-Bromofluorobenzene
Concen: 45.672 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

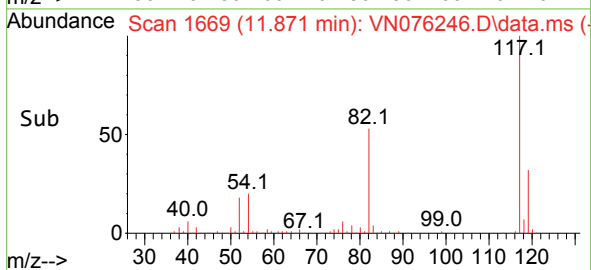
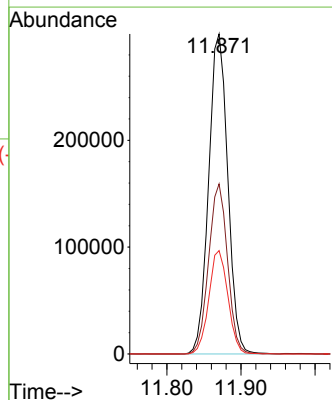
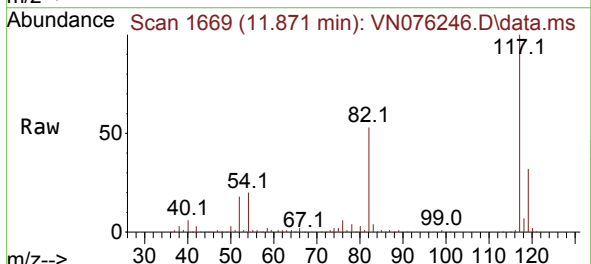
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

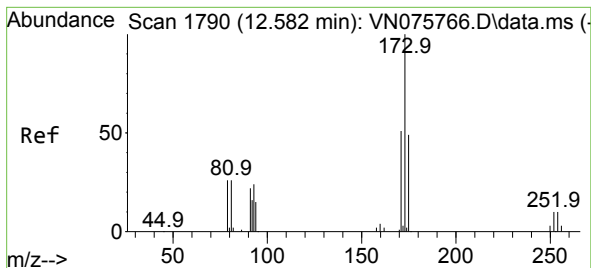
Tgt Ion: 95 Resp: 217917
Ion Ratio Lower Upper
95 100
174 85.5 0.0 171.6
176 83.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 117 Resp: 537305
Ion Ratio Lower Upper
117 100
82 53.1 41.3 61.9
119 32.3 24.6 37.0





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC

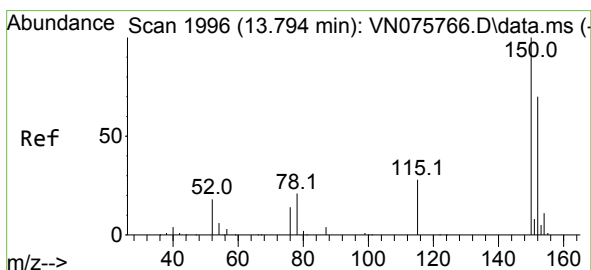
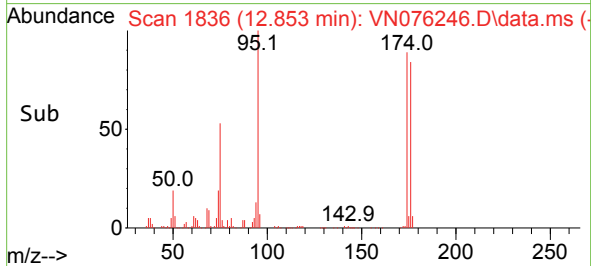
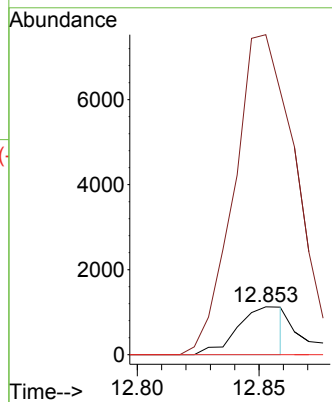
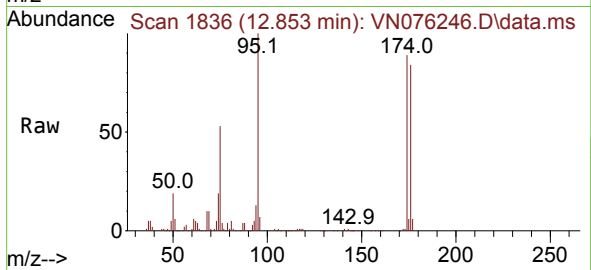
Tgt Ion:173 Resp: 1495

Ion Ratio Lower Upper

173 100

175 683.4 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076246.D

Acq: 13 Jan 2023 14:15

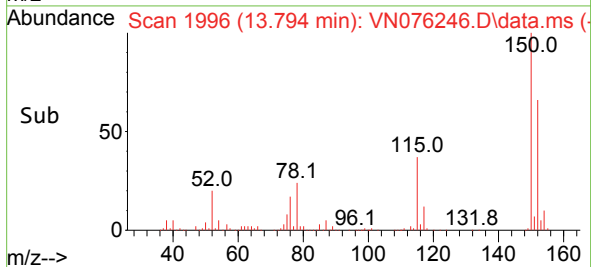
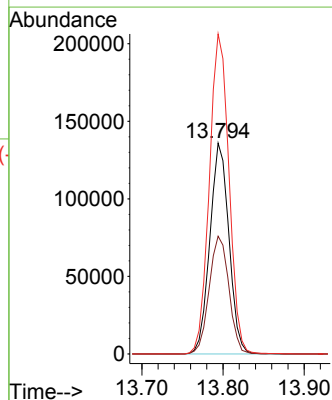
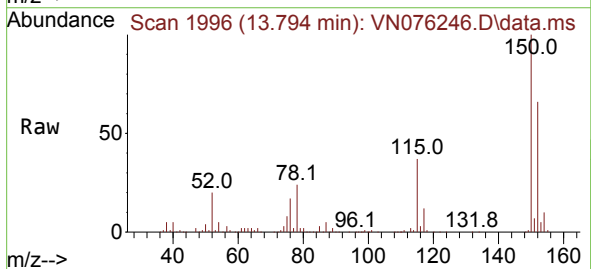
Tgt Ion:152 Resp: 221862

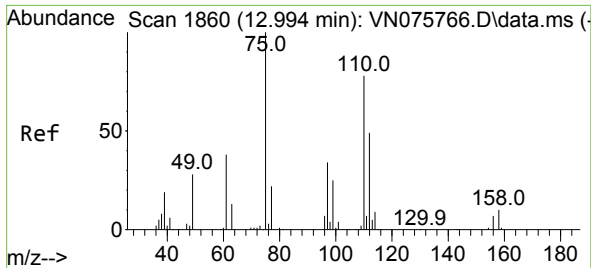
Ion Ratio Lower Upper

152 100

115 57.7 29.1 87.4

150 155.8 0.0 347.0

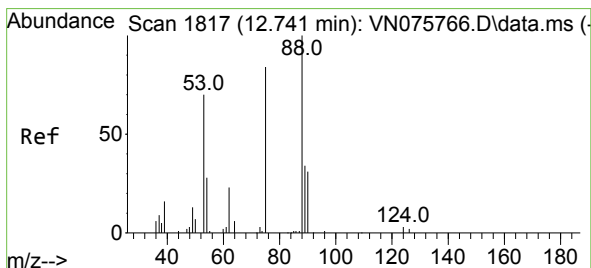
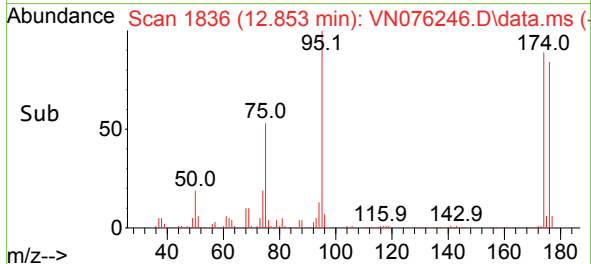
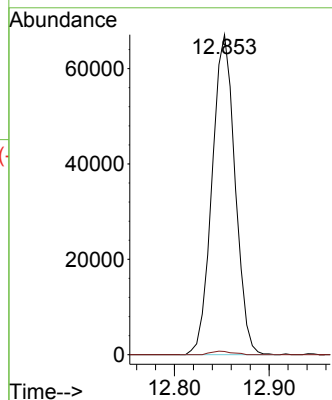
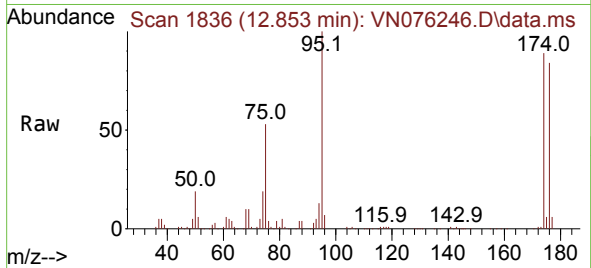




#76
1,2,3-Trichloropropane
Concen: 25.287 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

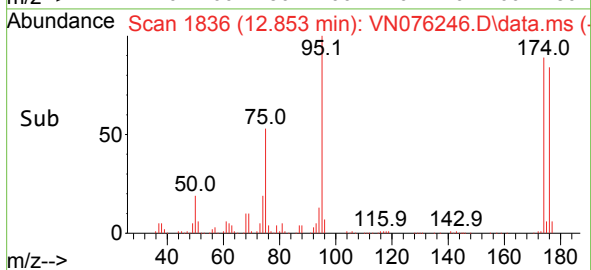
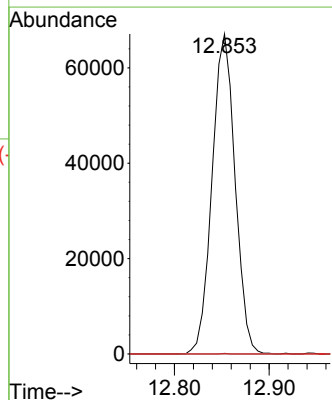
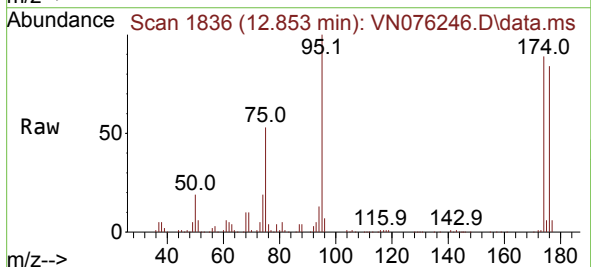
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC

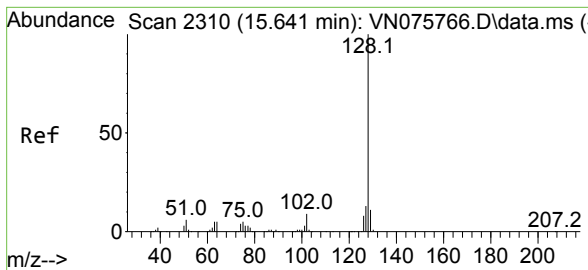
Tgt Ion: 75 Resp: 113087
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.019 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076246.D
Acq: 13 Jan 2023 14:15

Tgt Ion: 75 Resp: 113087
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
 Naphthalene
 Concen: 2.343 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076246.D
 Acq: 13 Jan 2023 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC

Tgt Ion:128	Resp:	2092
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.4 15.6#
129	5.7	8.7 13.1#

