

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075510.D
 Acq On : 30 Nov 2022 18:39
 Operator : JC\MD
 Sample : N5807-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-1

Quant Time: Dec 01 02:18:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

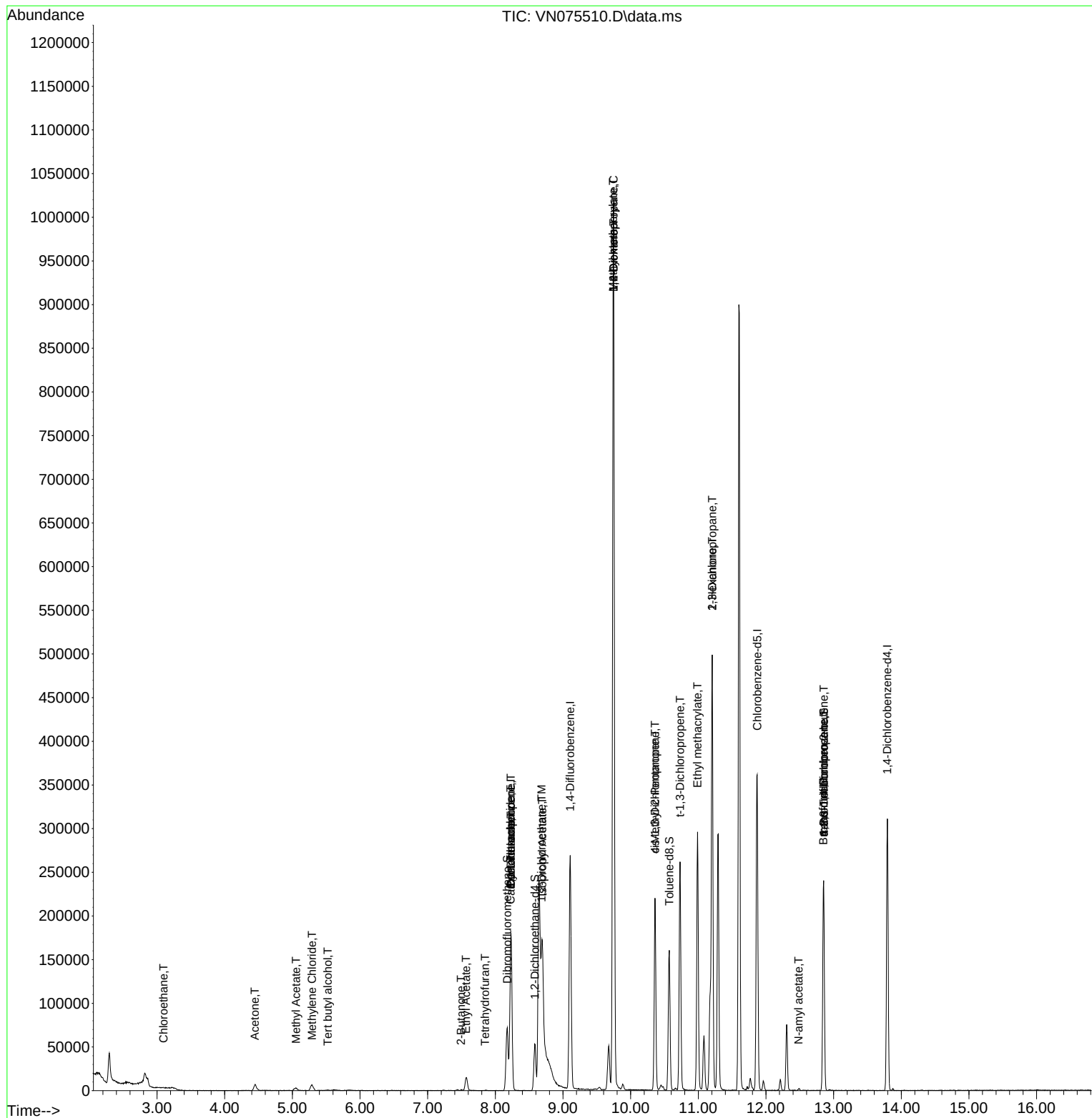
Internal Standards						
1) Pentafluorobenzene	8.229	168	138699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	250094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	227987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	42627	57.255	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.500%
35) Dibromofluoromethane	8.177	113	51459	52.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.760%
50) Toluene-d8	10.571	98	113572	51.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.853	95	82750	50.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.340%
Target Compounds						
					Qvalue	
6) Chloroethane	3.095	64	352	0.279	ug/l #	45
11) Tert butyl alcohol	5.524	59	157	0.502	ug/l #	72
16) Acetone	4.447	43	13011	18.736	ug/l	92
18) Methyl Acetate	5.053	43	6372	2.407	ug/l	97
20) Methylene Chloride	5.289	84	5980	3.046	ug/l #	84
25) 2-Butanone	7.494	43	1125	1.160	ug/l #	78
29) Tetrahydrofuran	7.847	42	211	0.358	ug/l #	26
31) Cyclohexane	8.229	56	2661	1.125	ug/l #	7
36) 1,1-Dichloropropene	8.229	75	9881	4.612	ug/l #	50
37) Ethyl Acetate	7.565	43	22214	11.515	ug/l	96
38) Carbon Tetrachloride	8.224	117	13773	5.852	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1559	0.710	ug/l #	75
43) Isopropyl Acetate	8.694	43	226936	73.286	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1286	0.823	ug/l #	42
48) Methyl methacrylate	9.741	41	89897	62.785	ug/l #	33
49) 1,4-Dioxane	9.747	88	58	1.427	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	74086	37.564	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	699	0.304	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	42666	17.090	ug/l #	64
56) Ethyl methacrylate	10.988	69	857	0.369	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5551	1.977	ug/l #	42
59) 2-Hexanone	11.206	43	50072	33.810	ug/l #	56
71) Bromoform	12.847	173	694	0.519	ug/l #	28
74) N-amyl acetate	12.482	43	1264	0.619	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	42506	24.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	42506	73.182	ug/l #	10

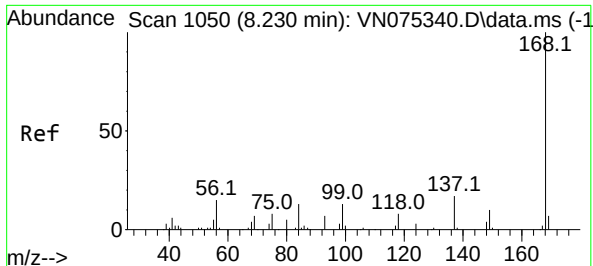
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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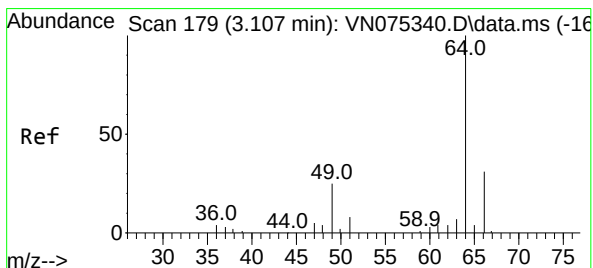
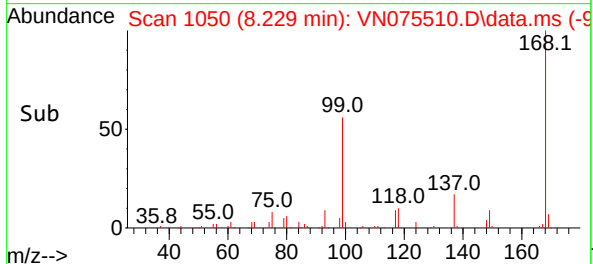
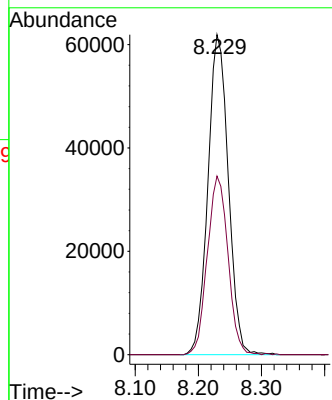
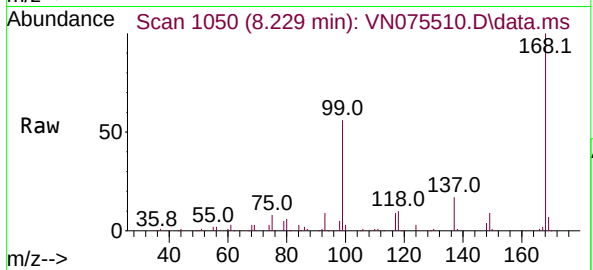




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

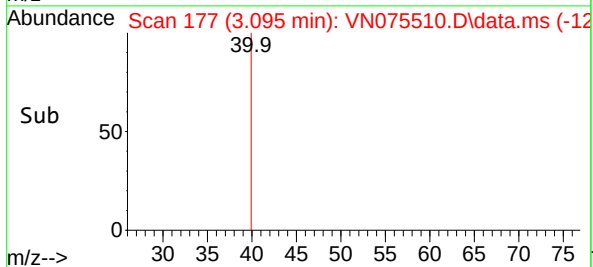
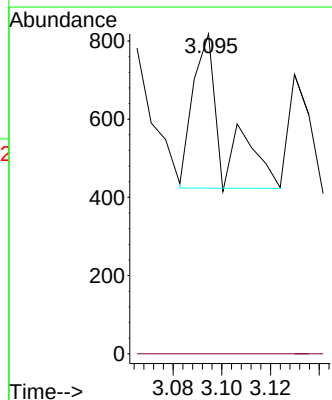
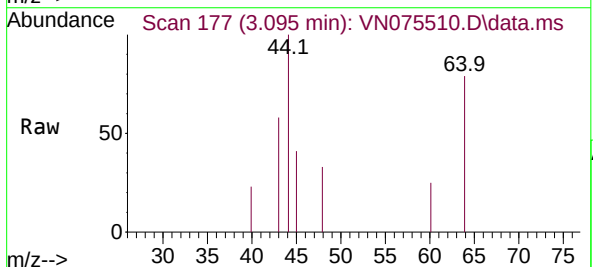
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

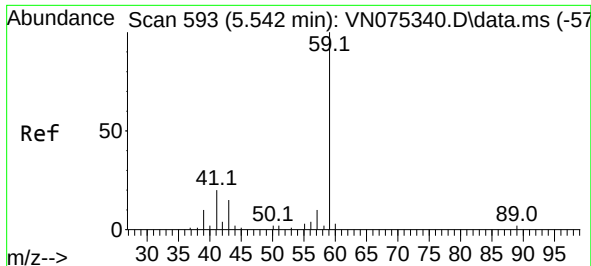
Tgt Ion:168 Resp: 138699
Ion Ratio Lower Upper
168 100
99 55.8 51.6 77.4



#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.095 min Scan# 177
Delta R.T. -0.012 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

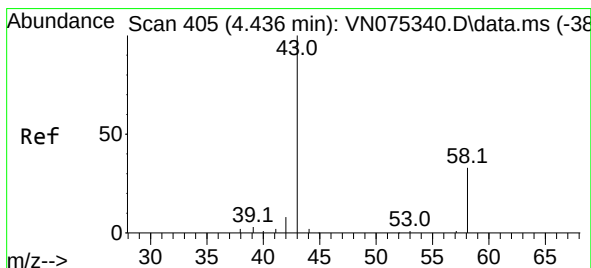
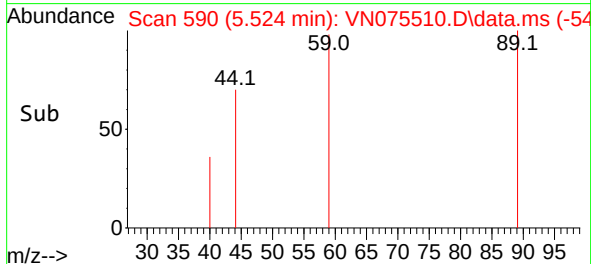
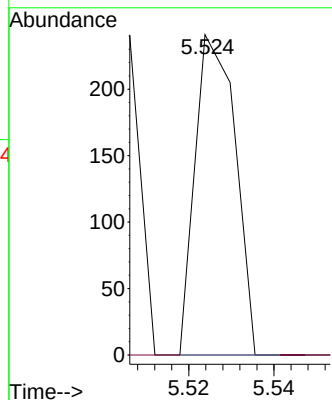
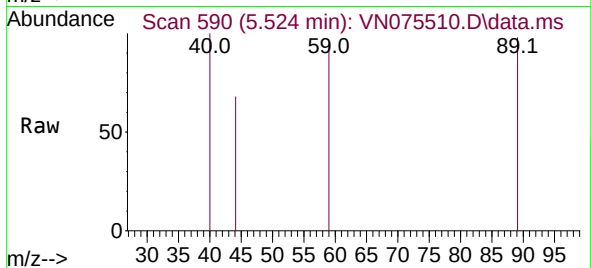




#11
Tert butyl alcohol
Concen: 0.502 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.018 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

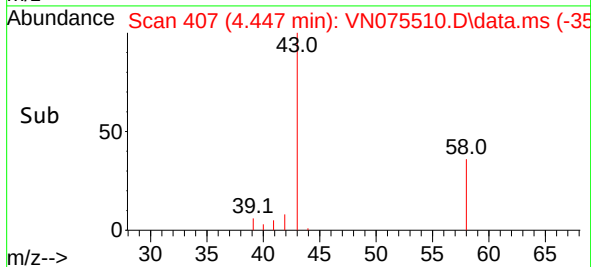
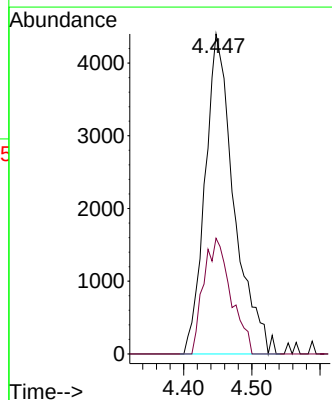
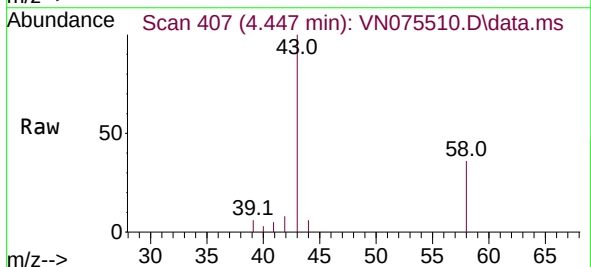
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

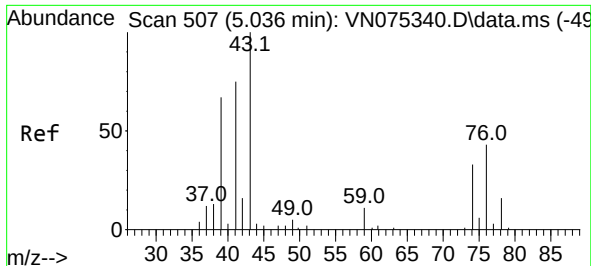
Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 18.736 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.011 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 43 Resp: 13011
Ion Ratio Lower Upper
43 100
58 36.1 25.5 38.3

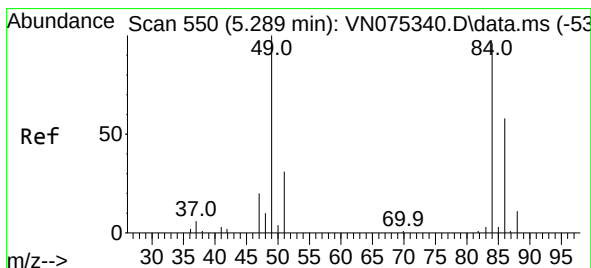
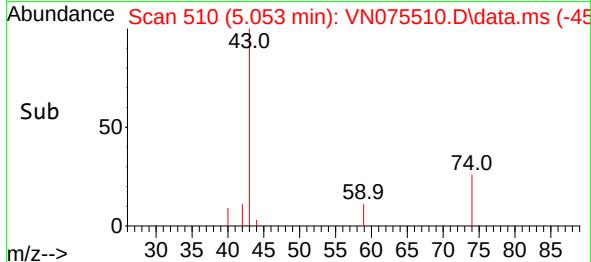
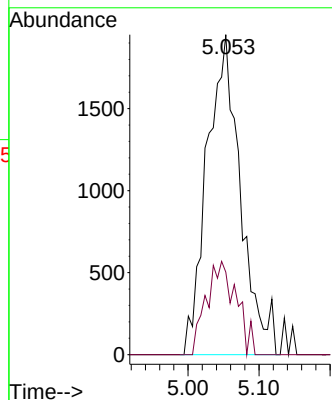
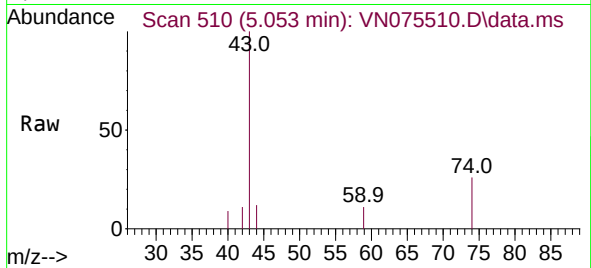




#18
Methyl Acetate
Concen: 2.407 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

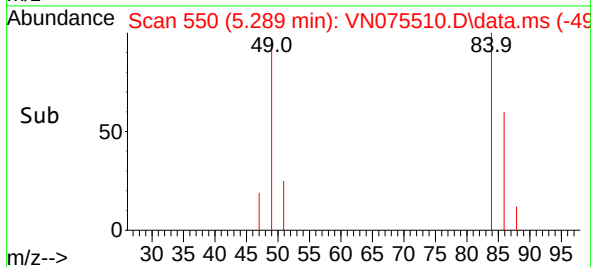
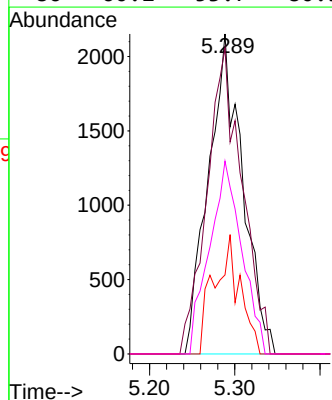
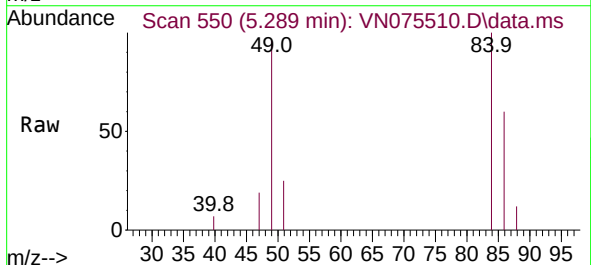
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

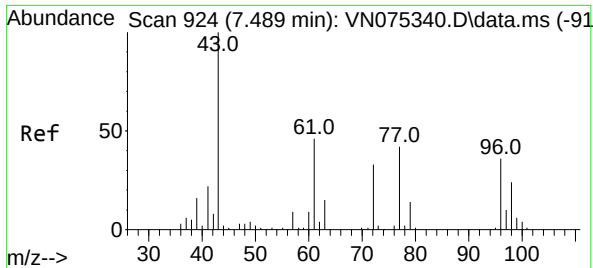
Tgt Ion: 43 Resp: 6372
Ion Ratio Lower Upper
43 100
74 26.1 22.0 33.0



#20
Methylene Chloride
Concen: 3.046 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 84 Resp: 5980
Ion Ratio Lower Upper
84 100
49 95.5 94.9 142.3
51 24.7 26.8 40.2#
86 60.2 53.7 80.5





#25

2-Butanone

Concen: 1.160 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

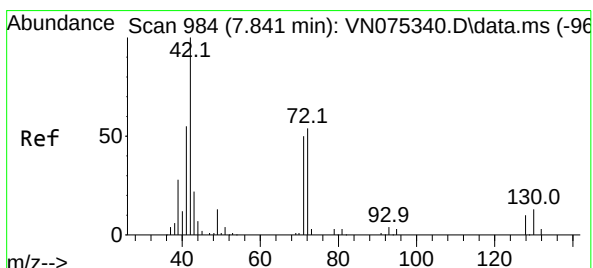
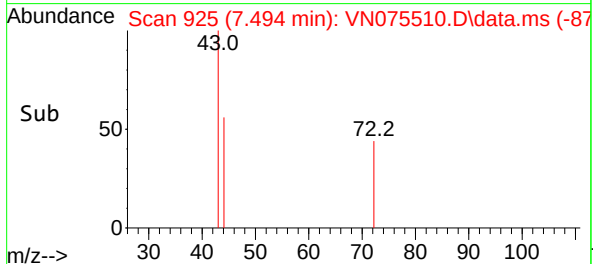
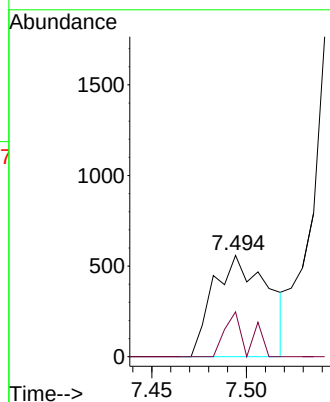
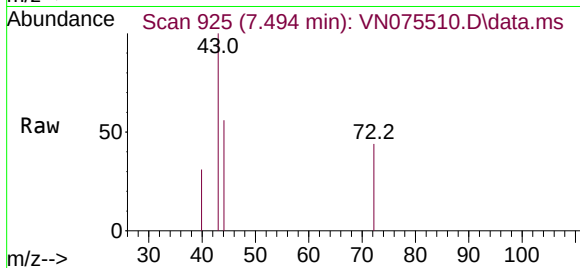
TCLP-VOC-1

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

72 44.2 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.358 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

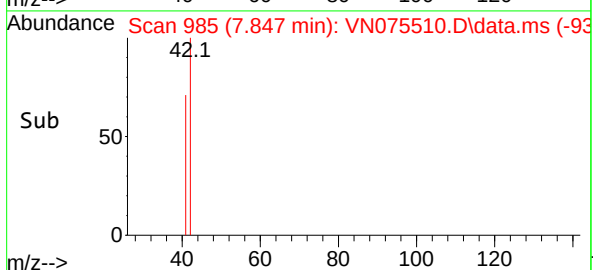
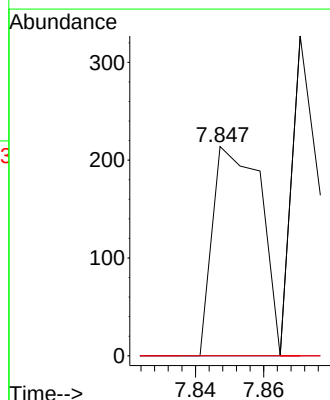
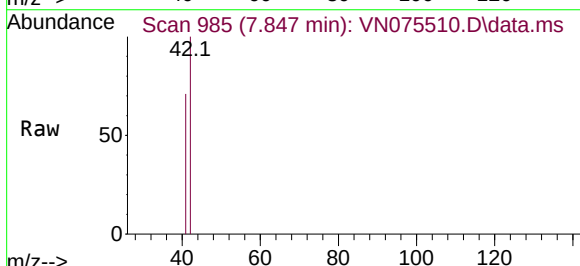
Tgt Ion: 42 Resp: 211

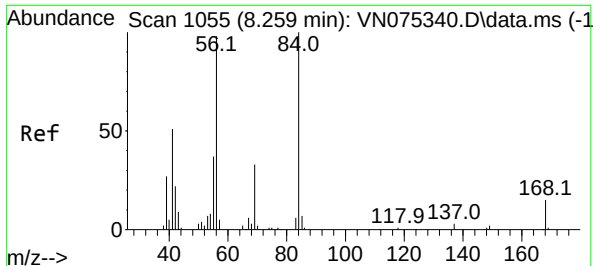
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

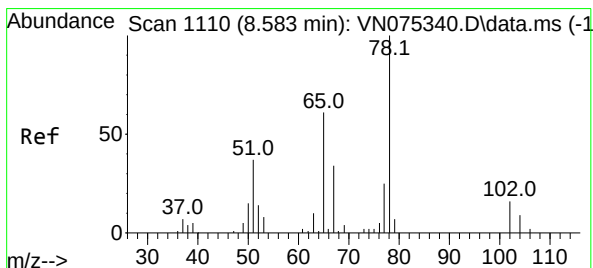
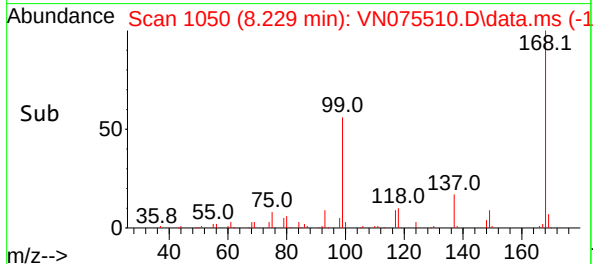
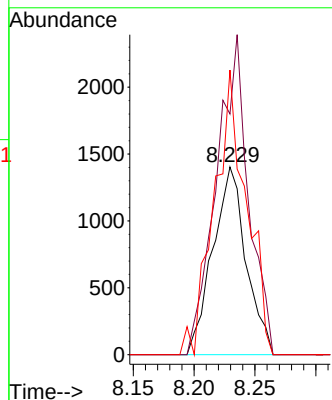
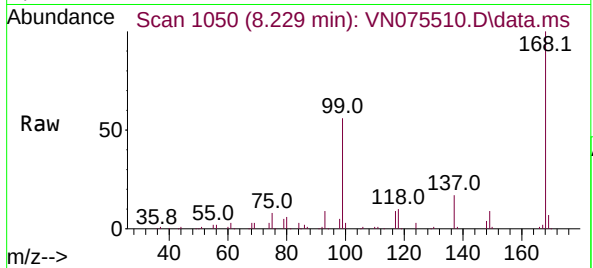




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

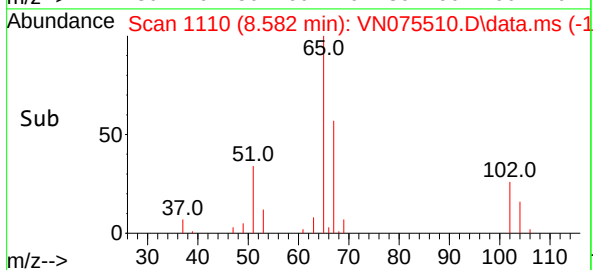
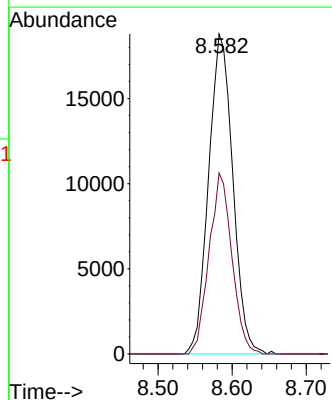
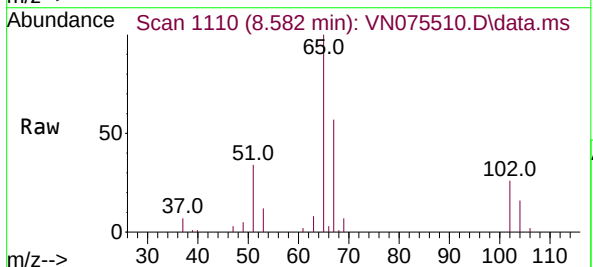
Instrument :
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TCLP-VOC-1

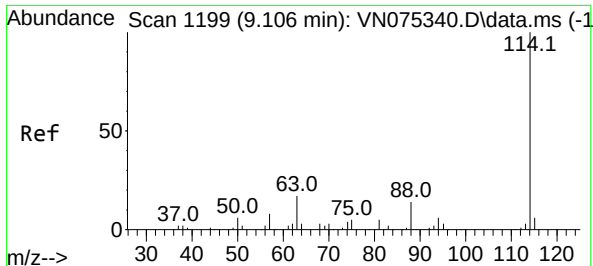
Tgt Ion: 56 Resp: 2661
Ion Ratio Lower Upper
56 100
69 128.2 25.2 37.8#
84 163.2 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.255 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 65 Resp: 42627
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-1

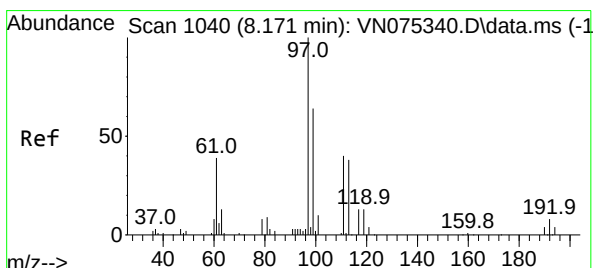
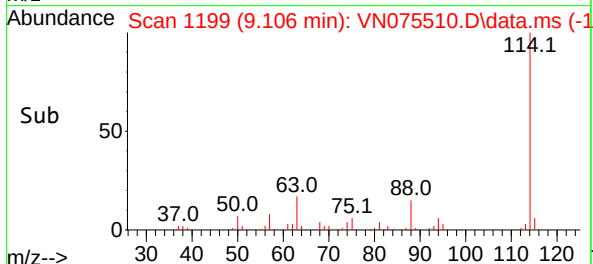
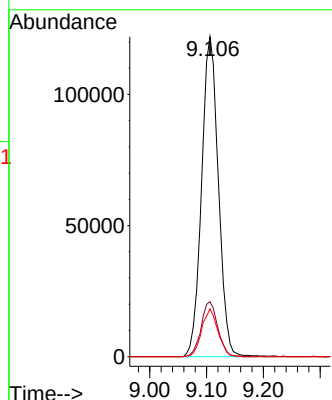
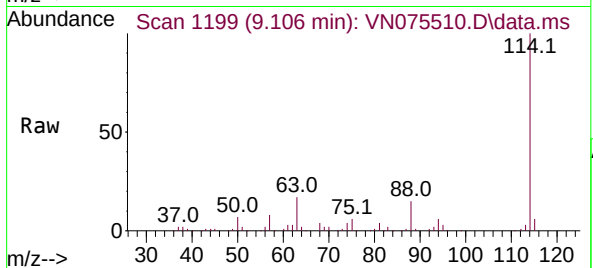
Tgt Ion:114 Resp: 250094

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.378 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

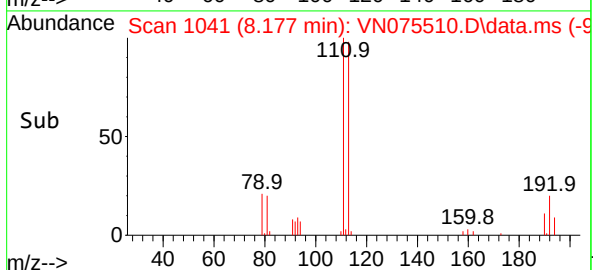
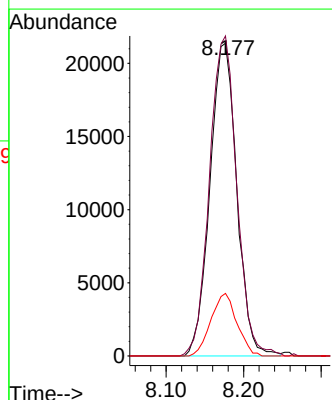
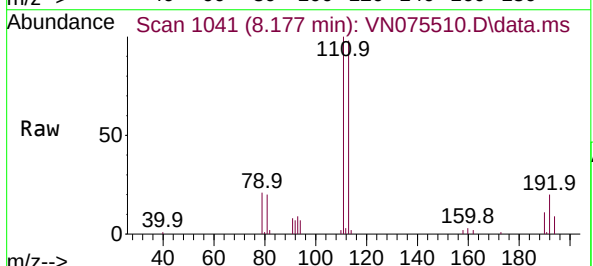
Tgt Ion:113 Resp: 51459

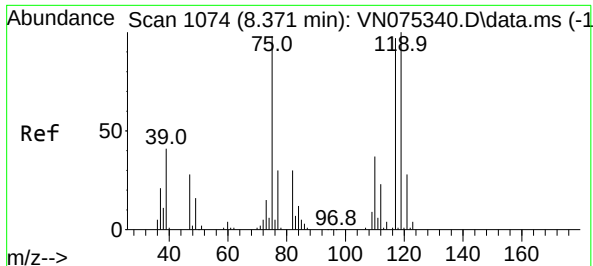
Ion Ratio Lower Upper

113 100

111 103.9 80.5 120.7

192 19.3 13.2 19.8

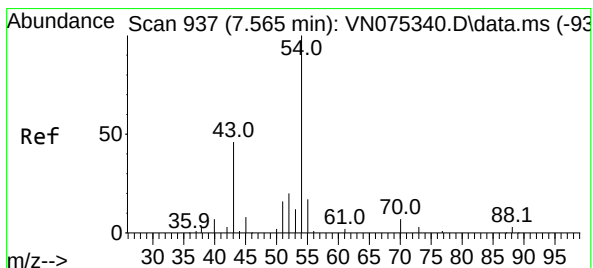
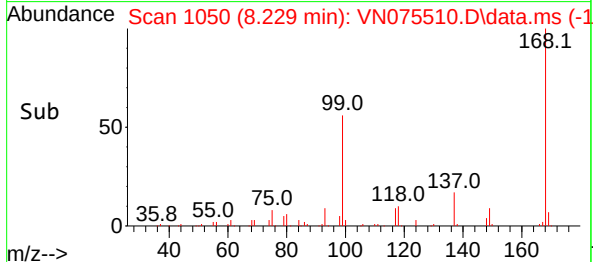
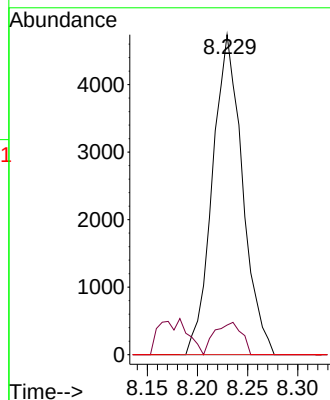
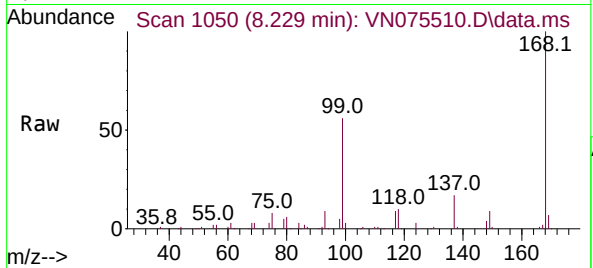




#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

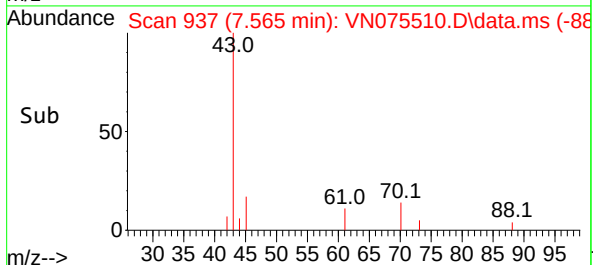
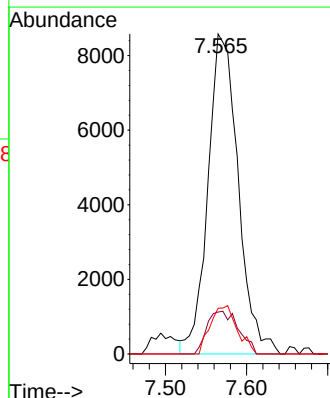
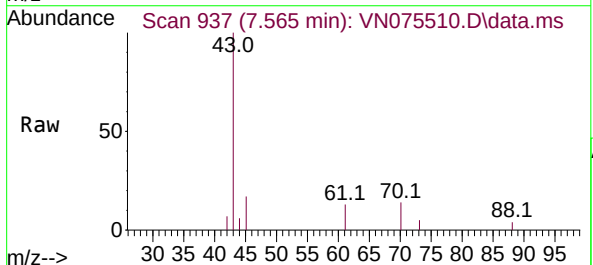
Instrument :
MSVOA_N
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TCLP-VOC-1

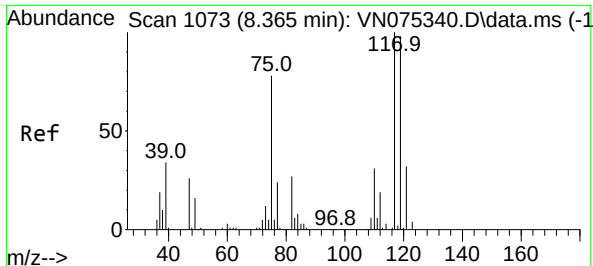
Tgt Ion: 75 Resp: 9881
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 11.515 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 43 Resp: 22214
Ion Ratio Lower Upper
43 100
61 14.0 12.2 18.4
70 13.4 9.4 14.2

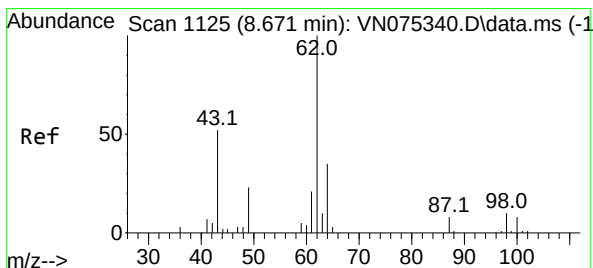
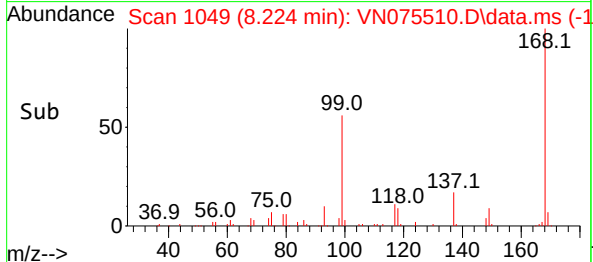
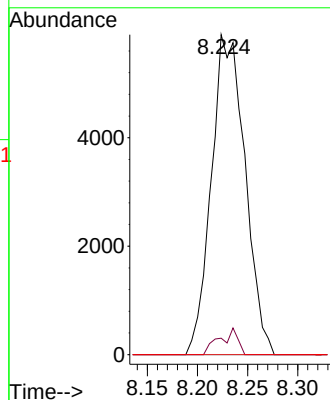
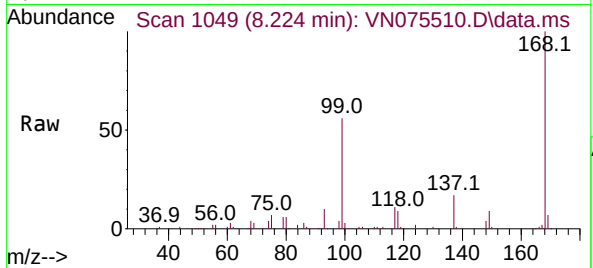




#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 8.224 min Scan# 1073
Delta R.T. -0.141 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

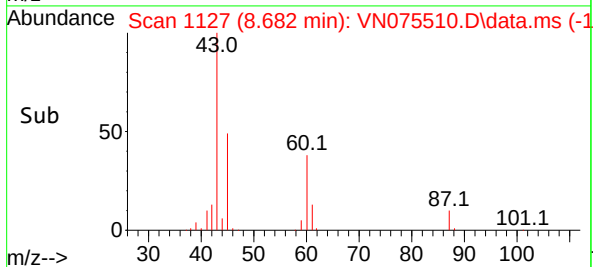
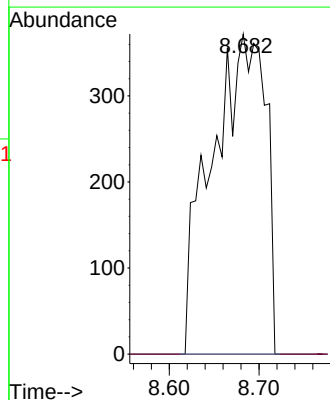
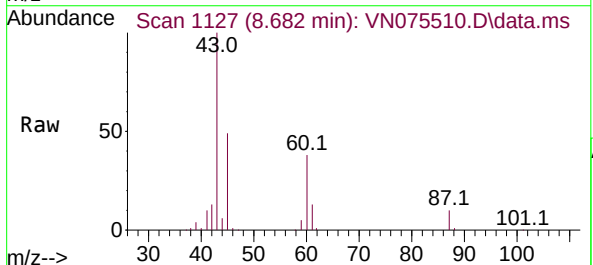
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

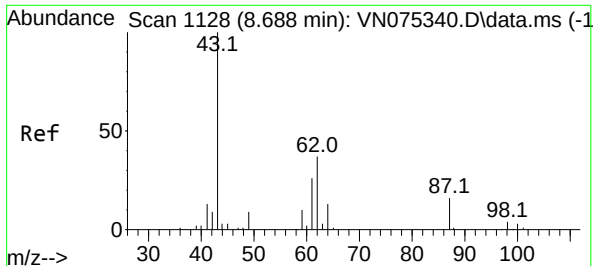
Tgt Ion:117 Resp: 13773
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.710 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.011 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 62 Resp: 1559
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 73.286 ug/l

RT: 8.694 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-1

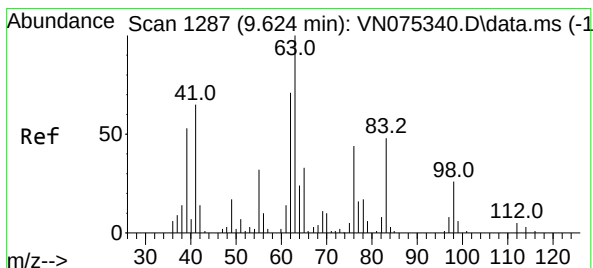
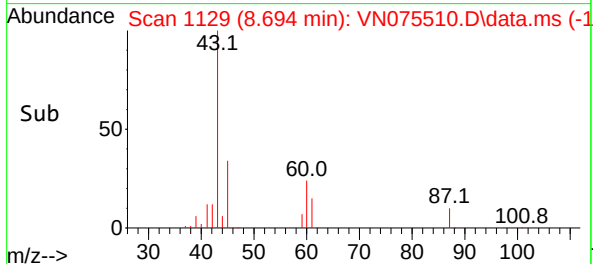
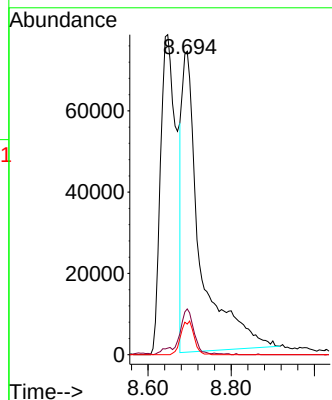
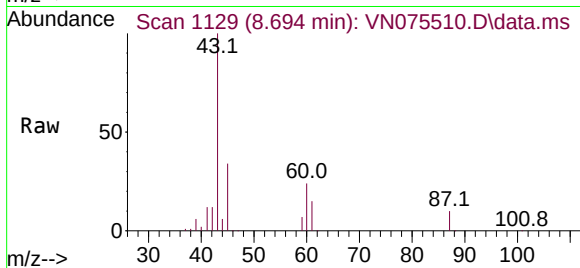
Tgt Ion: 43 Resp: 226936

Ion Ratio Lower Upper

43 100

61 12.4 22.4 33.6#

87 8.0 12.5 18.7#



#45

1,2-Dichloropropane

Concen: 0.823 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN075510.D

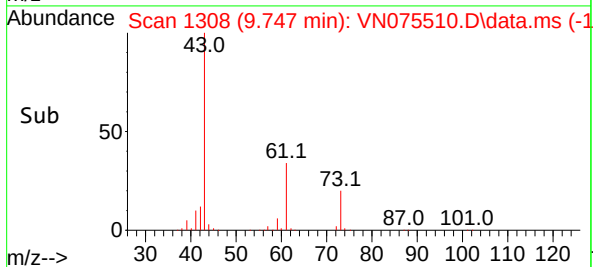
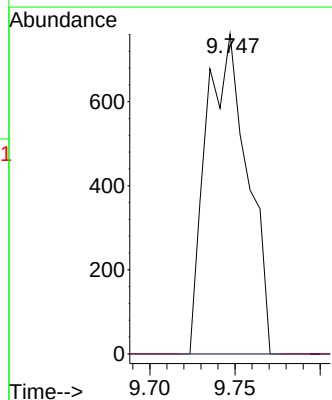
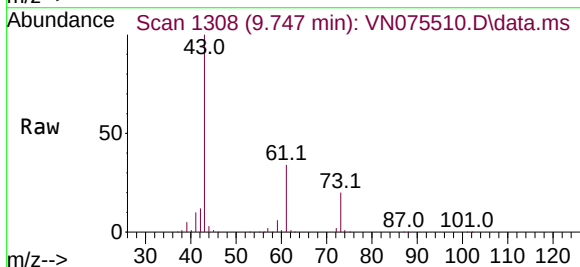
Acq: 30 Nov 2022 18:39

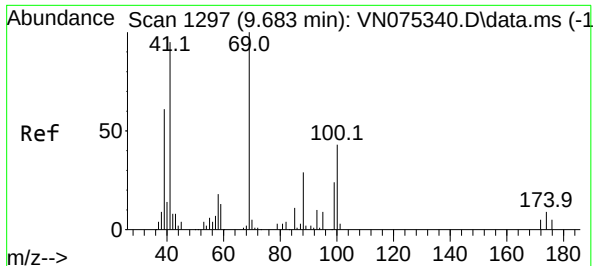
Tgt Ion: 63 Resp: 1286

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 62.785 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.058 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-1

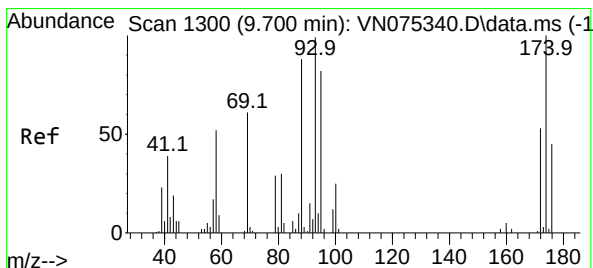
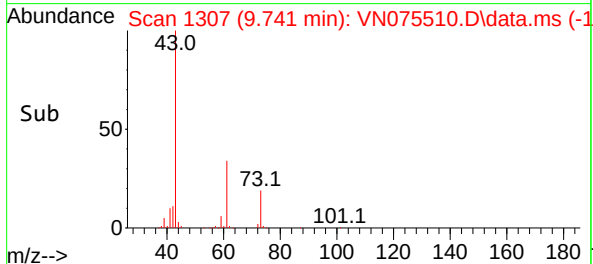
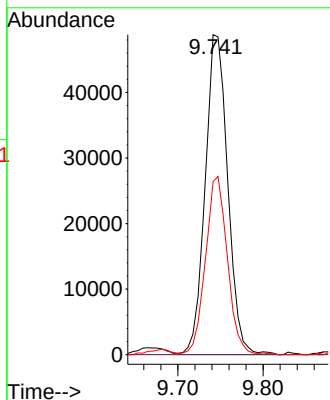
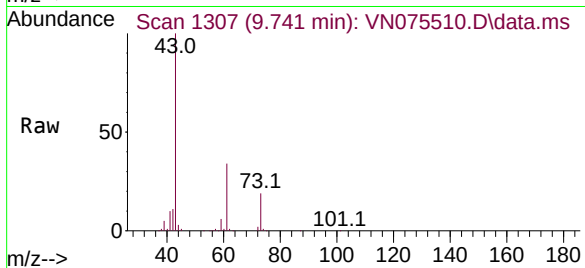
Tgt Ion: 41 Resp: 89897

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 54.2 56.2 84.2#



#49

1,4-Dioxane

Concen: 1.427 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075510.D

Acq: 30 Nov 2022 18:39

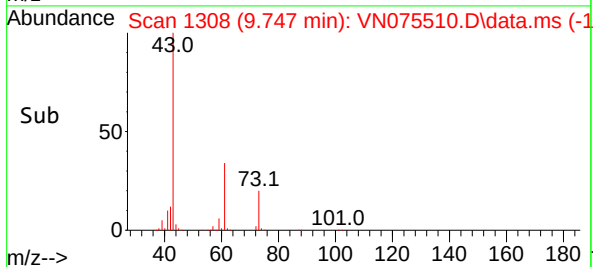
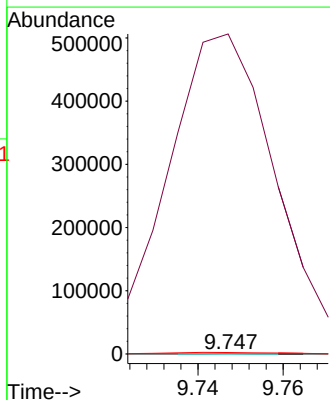
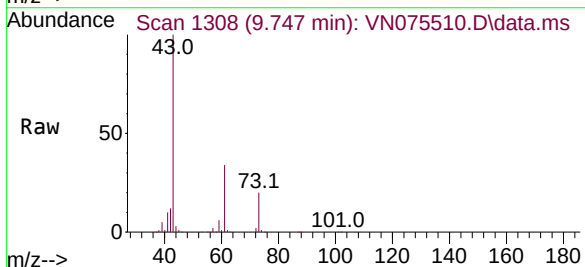
Tgt Ion: 88 Resp: 58

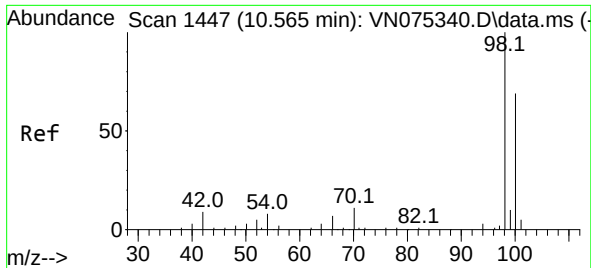
Ion Ratio Lower Upper

88 100

43 1580637.9 17.5 26.3#

58 8029.3 49.8 74.8#

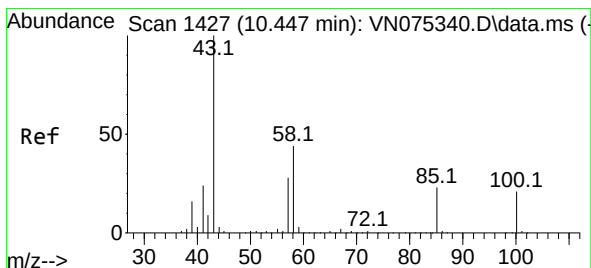
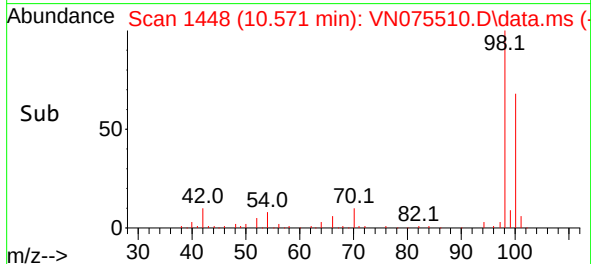
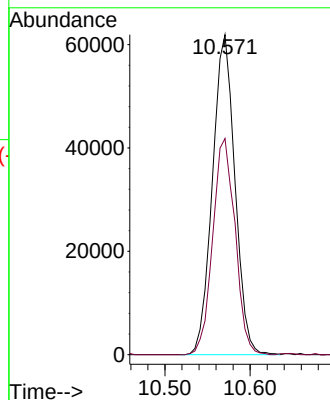
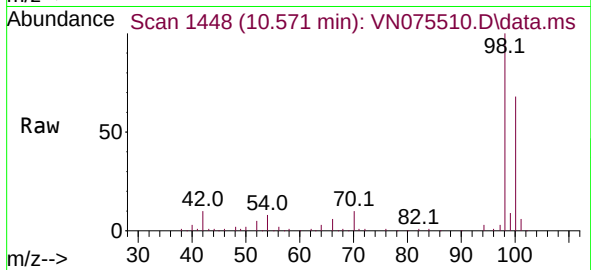




#50
Toluene-d8
Concen: 51.326 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

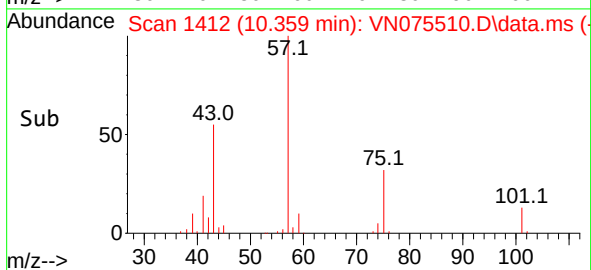
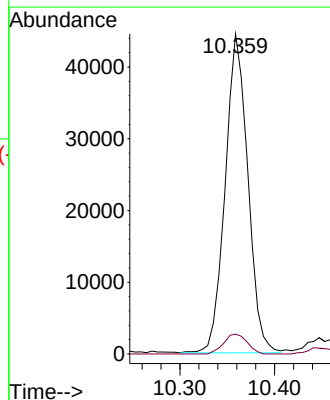
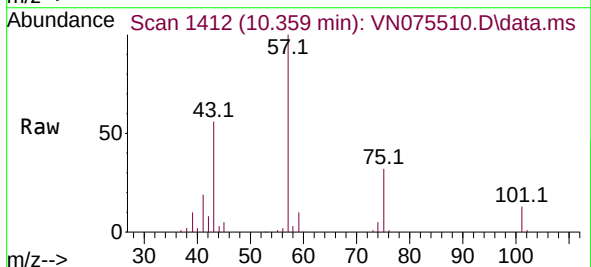
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

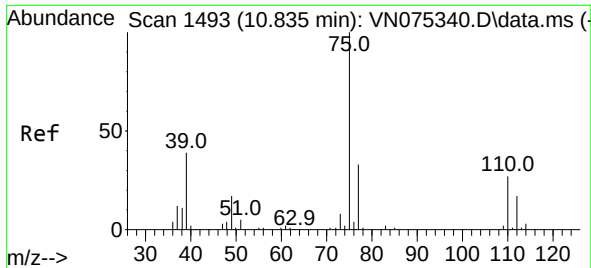
Tgt Ion: 98 Resp: 113572
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 37.564 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 43 Resp: 74086
Ion Ratio Lower Upper
43 100
58 6.4 33.6 50.4#

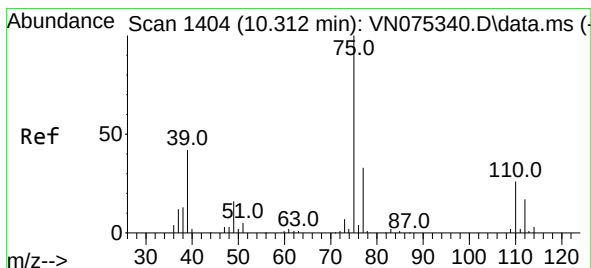
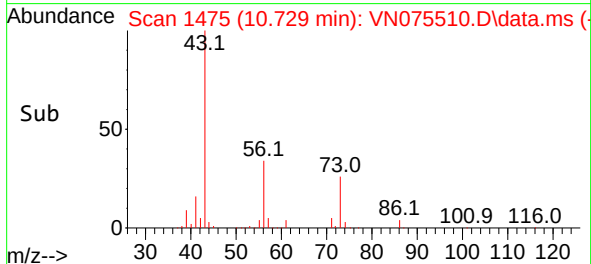
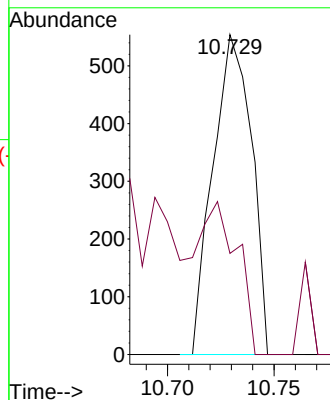
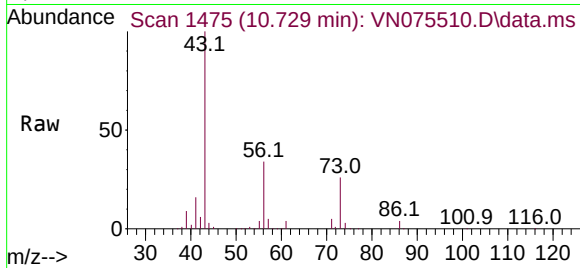




#53
 t-1,3-Dichloropropene
 Concen: 0.304 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075510.D
 Acq: 30 Nov 2022 18:39

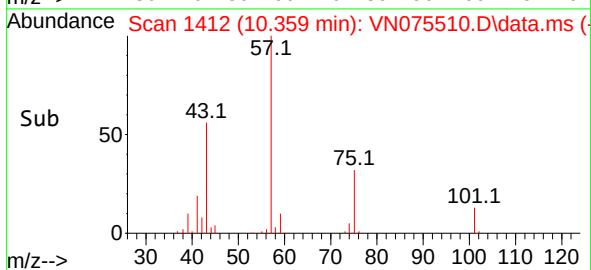
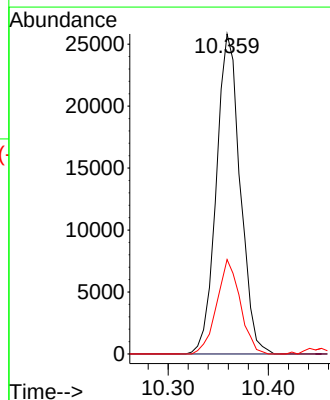
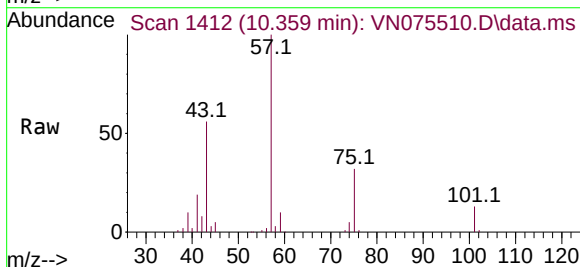
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-1

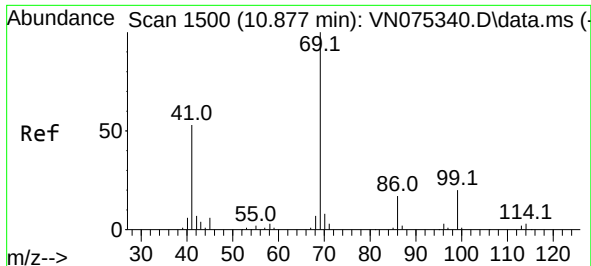
Tgt Ion: 75 Resp: 699
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 17.090 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075510.D
 Acq: 30 Nov 2022 18:39

Tgt Ion: 75 Resp: 42666
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 29.5 35.8 53.6#

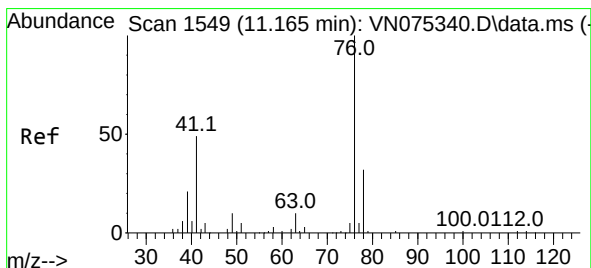
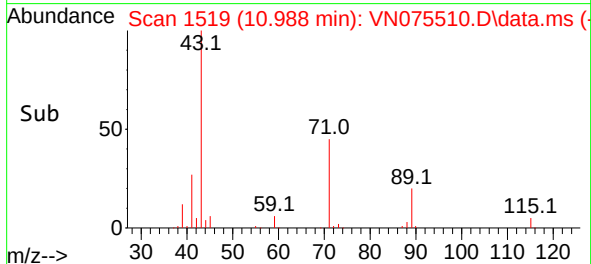
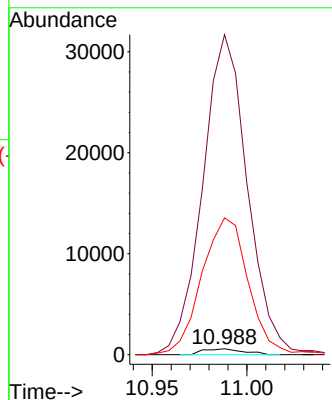
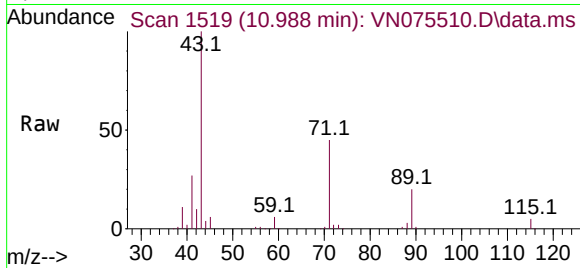




#56
Ethyl methacrylate
Concen: 0.369 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

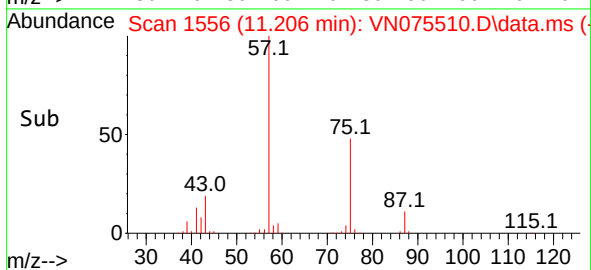
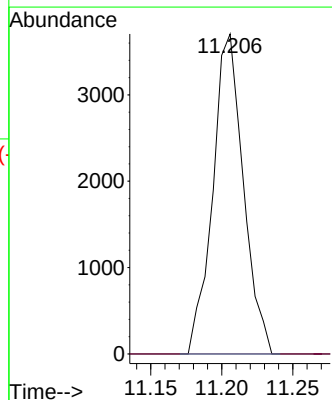
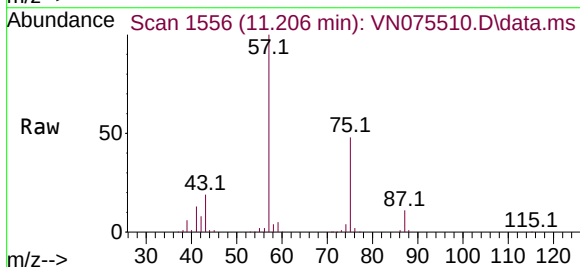
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

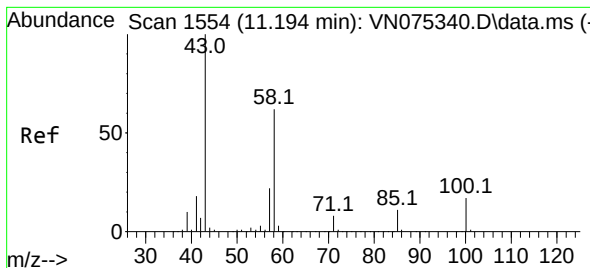
Tgt Ion: 69 Resp: 857
Ion Ratio Lower Upper
69 100
41 6114.0 45.6 68.4#
39 2720.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.977 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 76 Resp: 5551
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

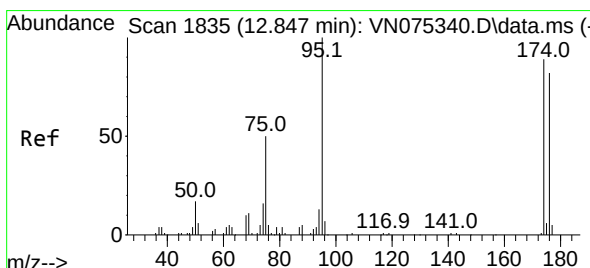
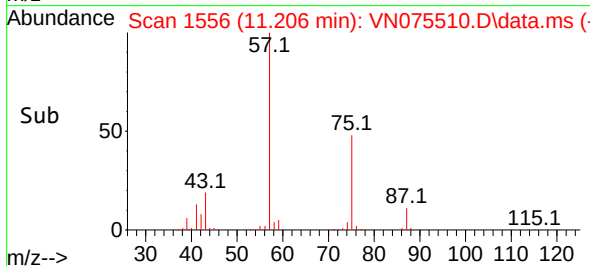
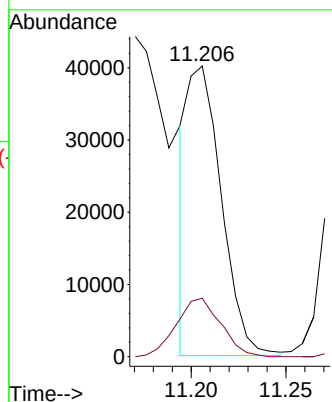
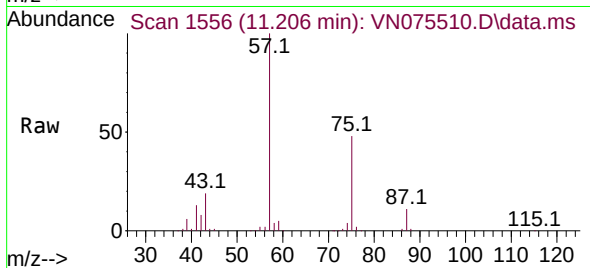




#59
2-Hexanone
Concen: 33.810 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

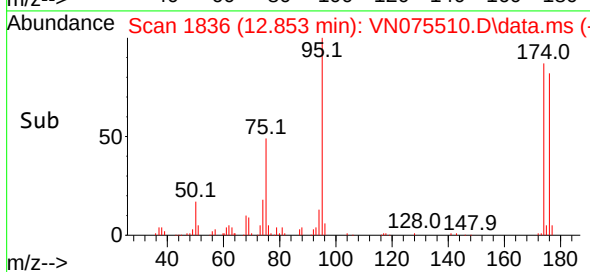
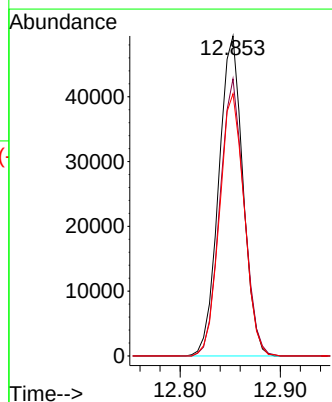
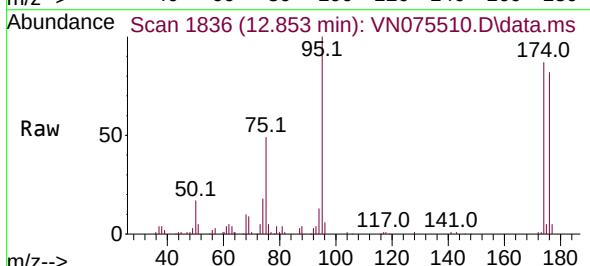
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

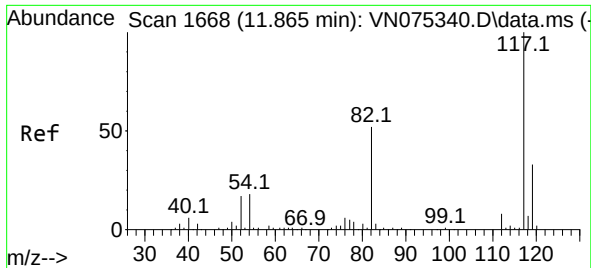
Tgt Ion: 43 Resp: 50072
Ion Ratio Lower Upper
43 100
58 26.4 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.666 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 95 Resp: 82750
Ion Ratio Lower Upper
95 100
174 86.1 0.0 147.4
176 83.1 0.0 142.2

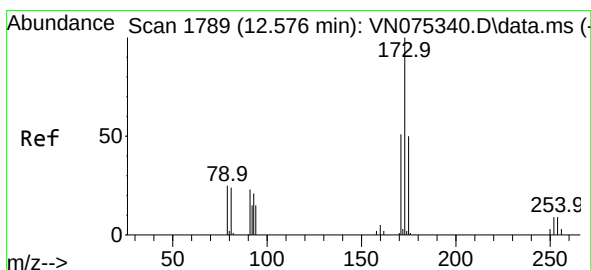
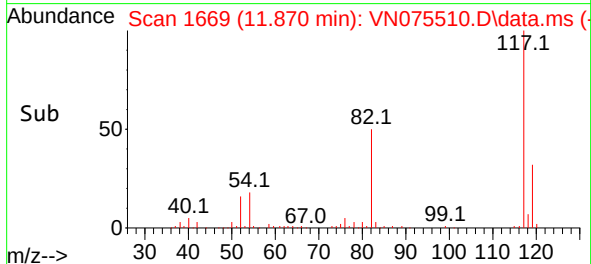
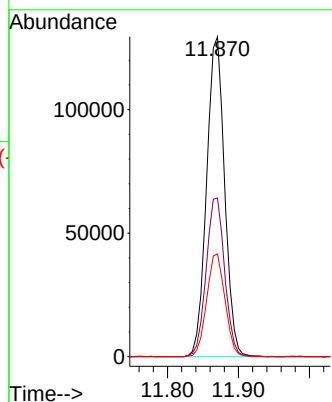
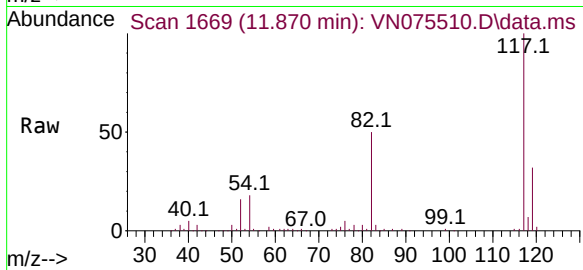




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

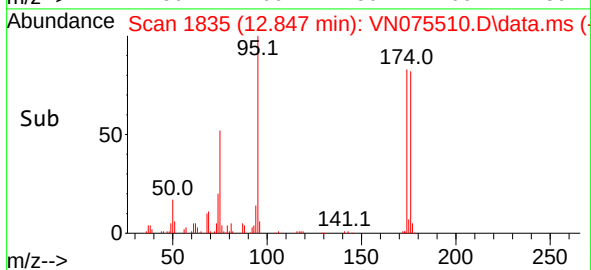
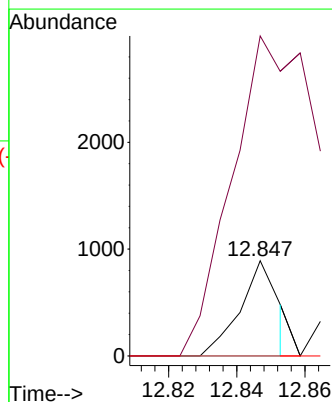
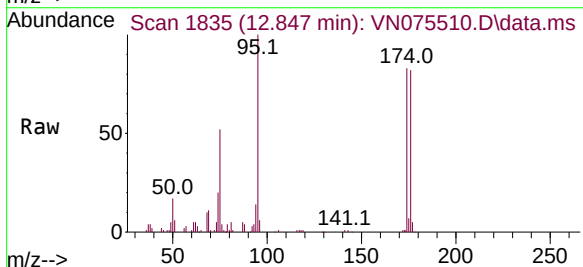
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

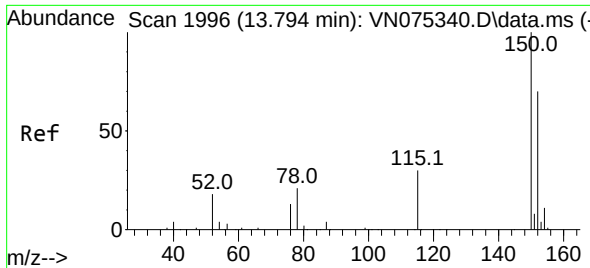
Tgt Ion:117 Resp: 227987
Ion Ratio Lower Upper
117 100
82 49.6 43.1 64.7
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.519 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion:173 Resp: 694
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

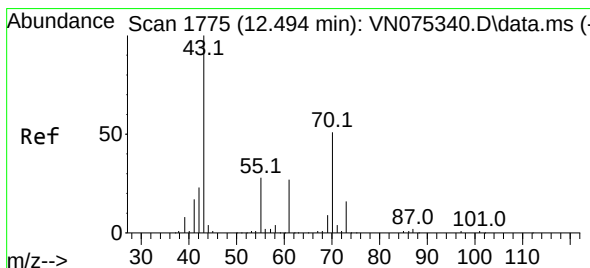
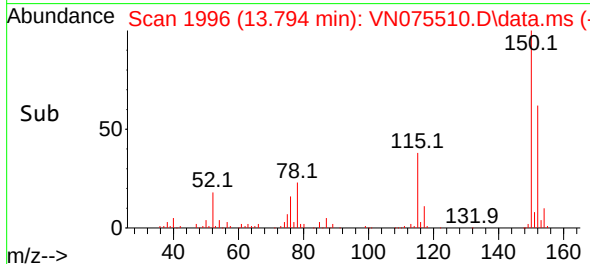
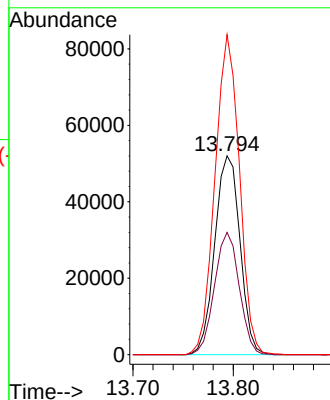
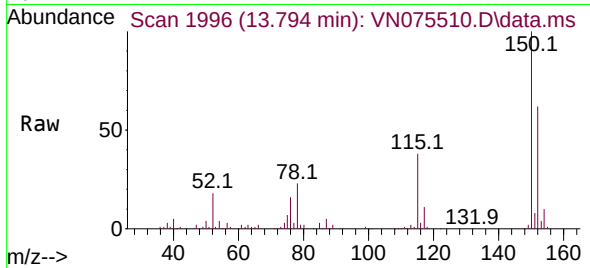




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

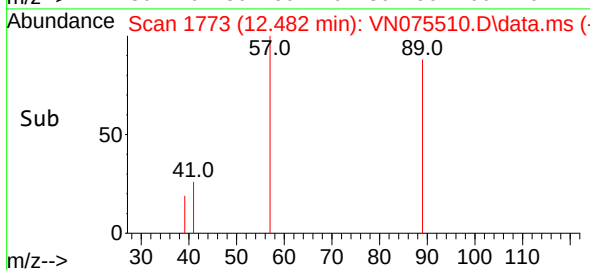
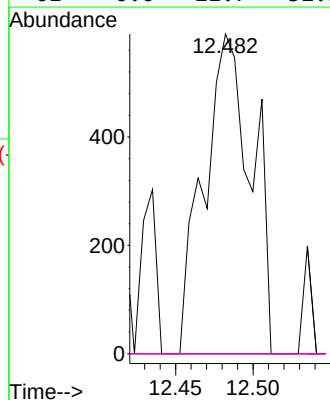
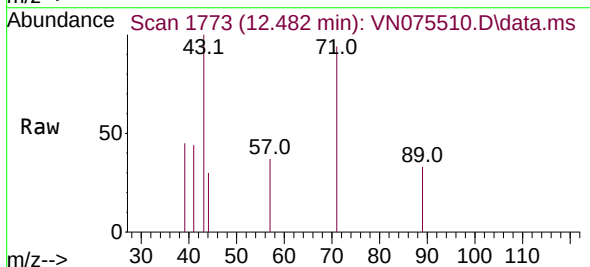
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

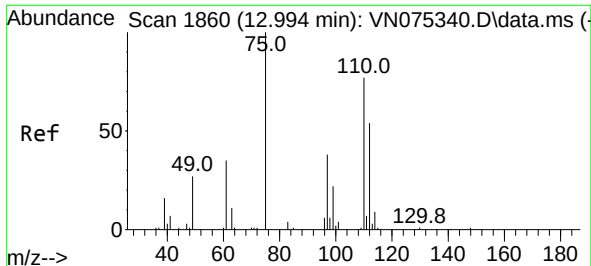
Tgt Ion:152 Resp: 90892
Ion Ratio Lower Upper
152 100
115 60.5 30.2 90.6
150 156.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.619 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

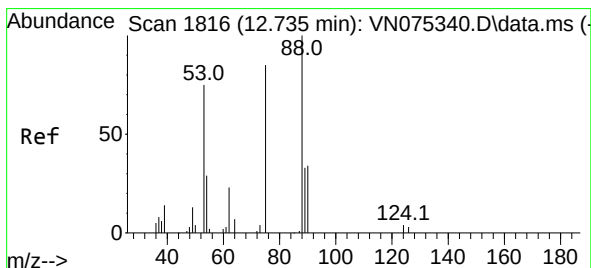
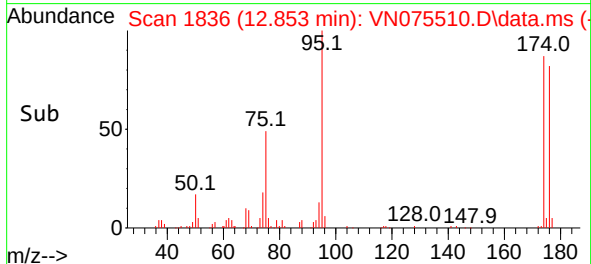
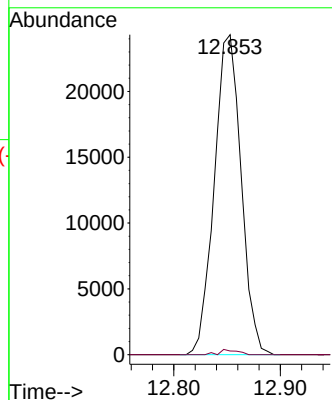
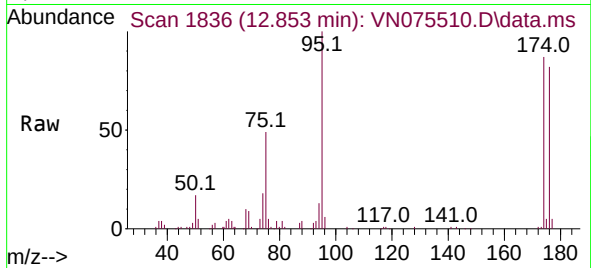




#76
1,2,3-Trichloropropane
Concen: 24.734 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

Tgt Ion: 75 Resp: 42506
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.182 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075510.D
Acq: 30 Nov 2022 18:39

Tgt Ion: 75 Resp: 42506
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

