

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033130.D
 Acq On : 30 Nov 2022 14:32
 Operator : JC/MD
 Sample : N5806-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-1

Quant Time: Dec 01 00:20:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

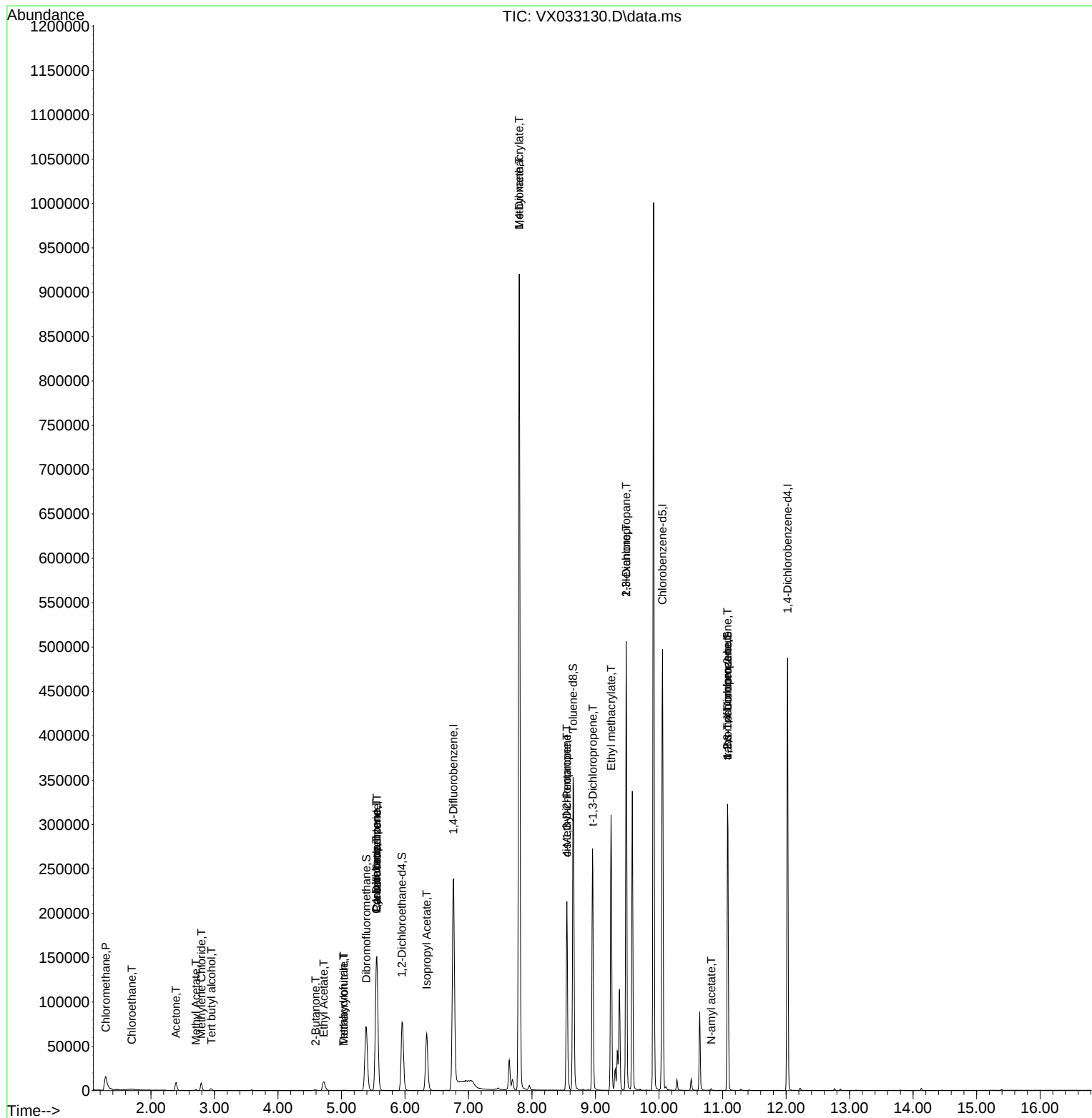
Internal Standards						
1) Pentafluorobenzene	5.556	168	142832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79922	57.749	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.500%
35) Dibromofluoromethane	5.391	113	62929	47.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.740%
50) Toluene-d8	8.646	98	213479	54.157	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.320%
62) 4-Bromofluorobenzene	11.079	95	85572	49.559	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	809	0.687	ug/l #	43
6) Chloroethane	1.696	64	223	0.209	ug/l #	42
11) Tert butyl alcohol	2.952	59	1407	6.381	ug/l #	72
16) Acetone	2.391	43	12227	18.822	ug/l	95
18) Methyl Acetate	2.708	43	1383	0.769	ug/l	92
20) Methylene Chloride	2.794	84	4201	1.859	ug/l	86
25) 2-Butanone	4.592	43	1363	1.522	ug/l #	47
29) Tetrahydrofuran	5.031	42	272	0.479	ug/l #	59
31) Cyclohexane	5.549	56	3183	1.412	ug/l #	41
36) 1,1-Dichloropropene	5.549	75	11411	5.429	ug/l #	48
37) Ethyl Acetate	4.720	43	19484	10.626	ug/l	97
38) Carbon Tetrachloride	5.556	117	15093	6.473	ug/l #	15
41) Methacrylonitrile	5.037	41	265	0.257	ug/l #	42
43) Isopropyl Acetate	6.342	43	86431	28.501	ug/l	99
48) Methyl methacrylate	7.799	41	81980	52.519	ug/l #	44
49) 1,4-Dioxane	7.799	88	76	2.645	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72173	38.569	ug/l #	48
53) t-1,3-Dichloropropene	8.957	75	658	1.788	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31541	13.325	ug/l #	61
56) Ethyl methacrylate	9.244	69	672	0.309	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4160	1.633	ug/l #	42
59) 2-Hexanone	9.482	43	60088	43.469	ug/l #	52
74) N-amyl acetate	10.823	43	866	0.365	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	45496	24.628	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45496	80.051	ug/l #	6

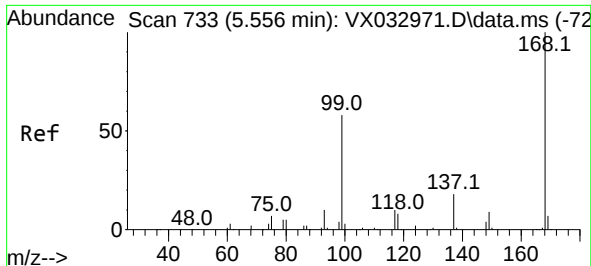
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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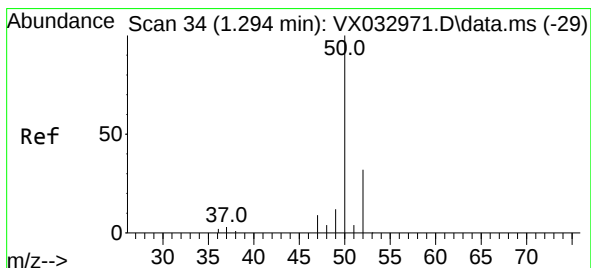
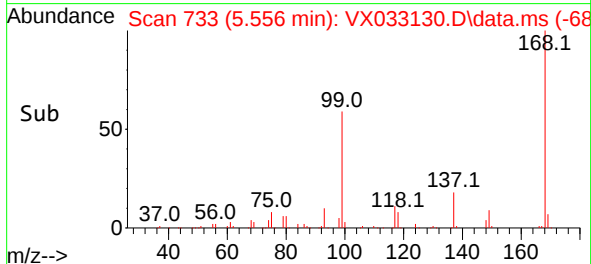
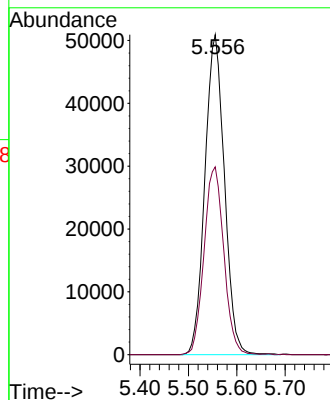
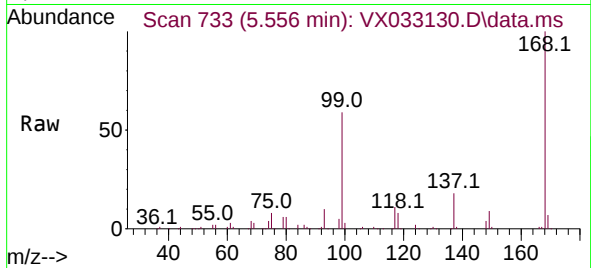




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

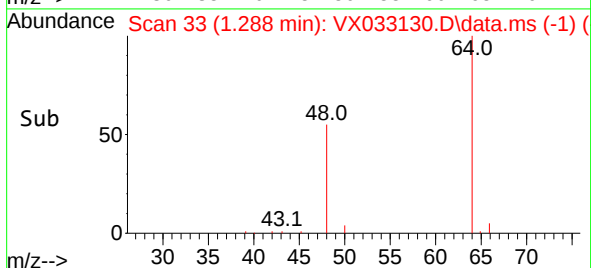
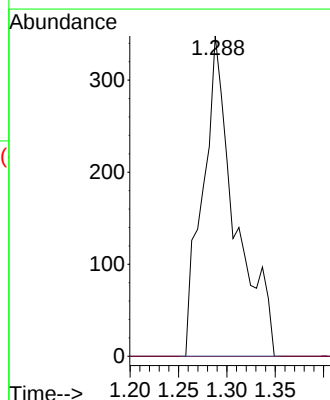
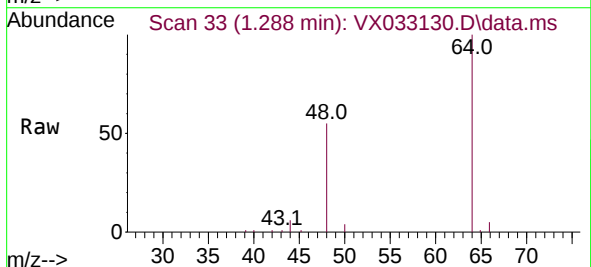
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

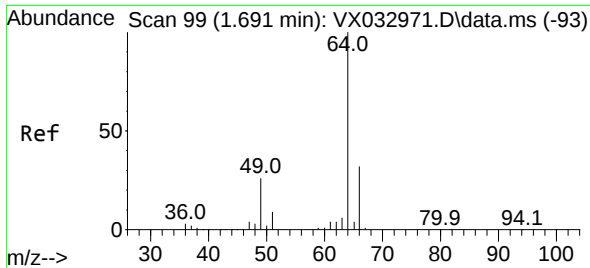
Tgt Ion:168 Resp: 142832
Ion Ratio Lower Upper
168 100
99 58.7 46.1 69.1



#3
Chloromethane
Concen: 0.687 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 50 Resp: 809
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

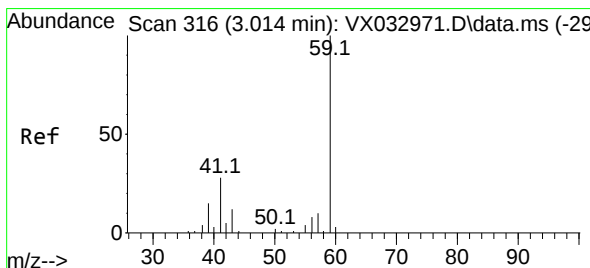
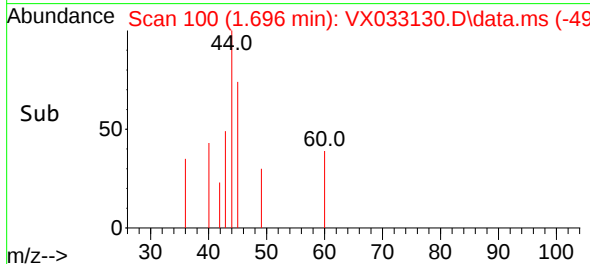
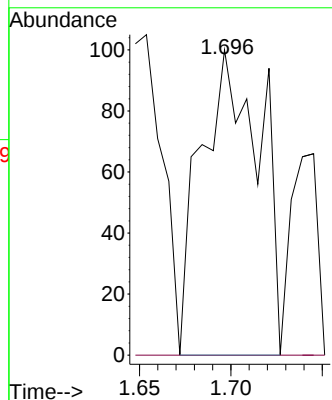
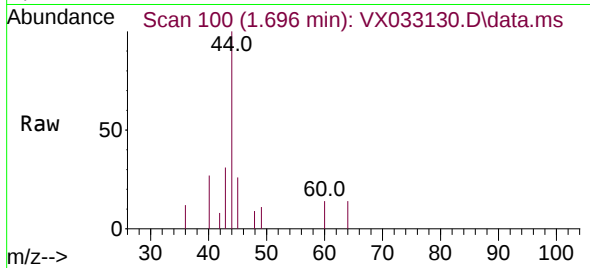




#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.696 min Scan# 100
Delta R.T. 0.011 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

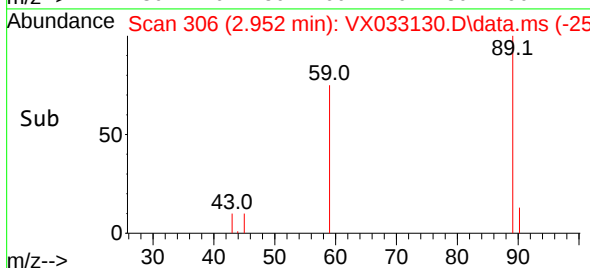
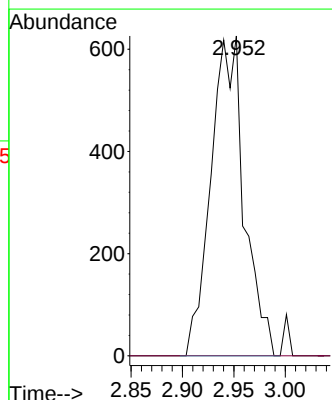
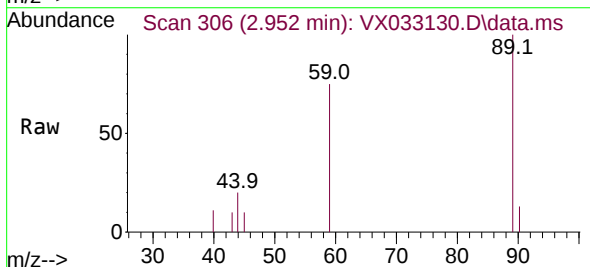
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

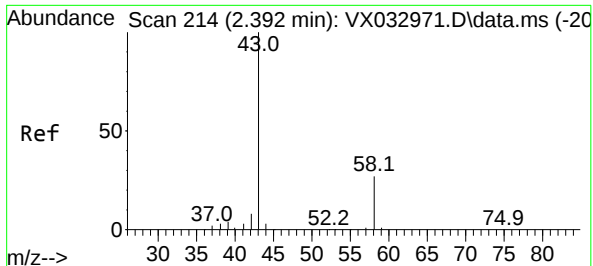
Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#11
Tert butyl alcohol
Concen: 6.381 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.013 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 59 Resp: 1407
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

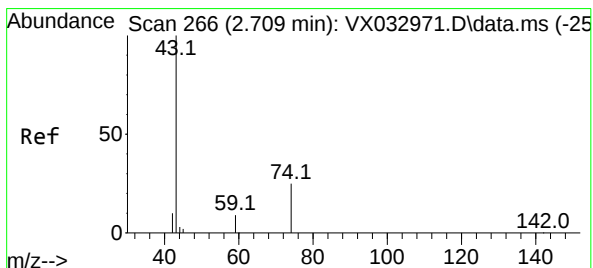
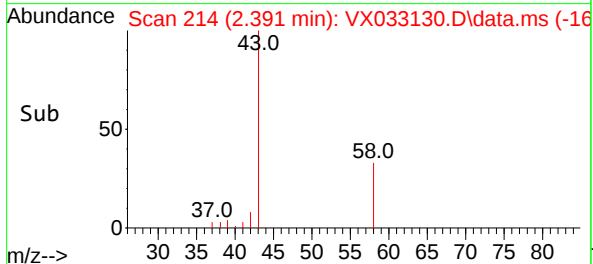
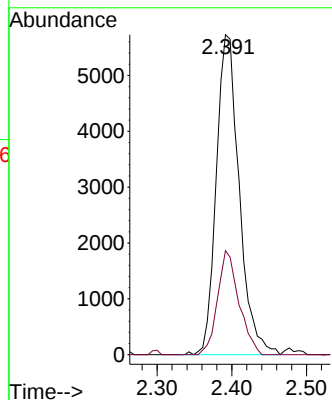
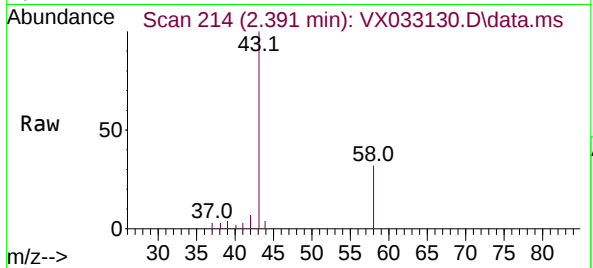




#16
Acetone
Concen: 18.822 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.011 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

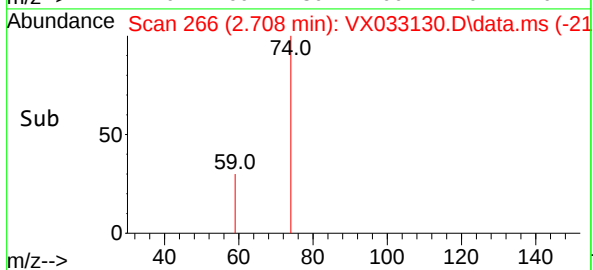
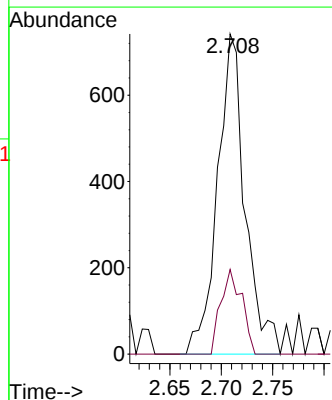
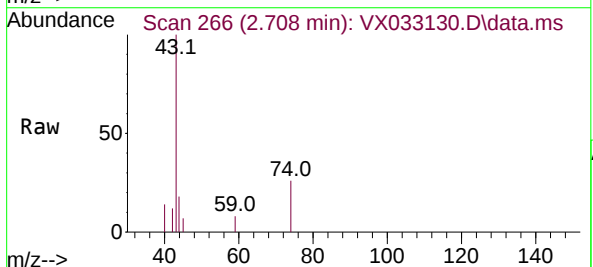
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

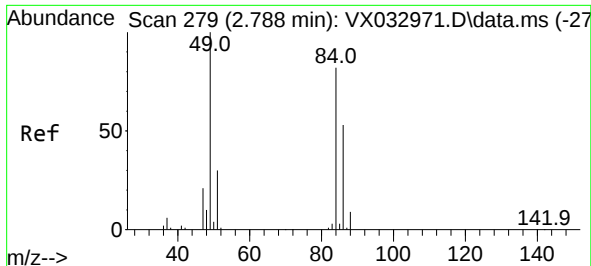
Tgt Ion: 43 Resp: 12227
Ion Ratio Lower Upper
43 100
58 32.5 23.8 35.8



#18
Methyl Acetate
Concen: 0.769 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.005 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
74 20.1 19.4 29.0

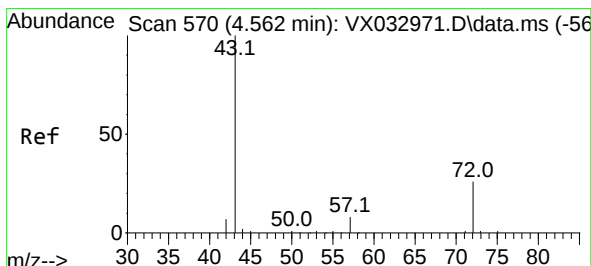
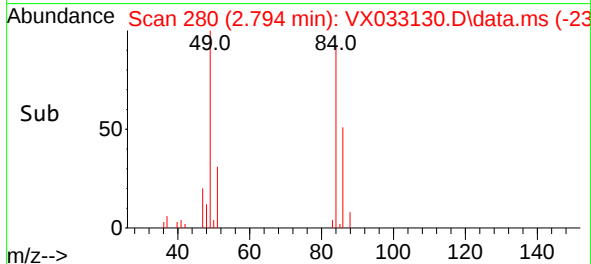
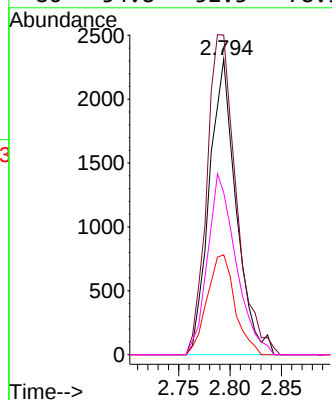
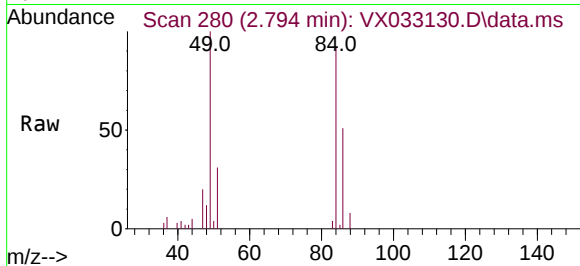




#20
Methylene Chloride
Concen: 1.859 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

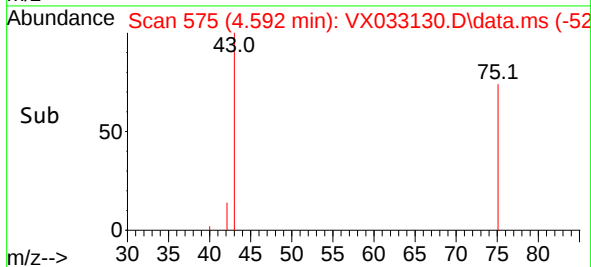
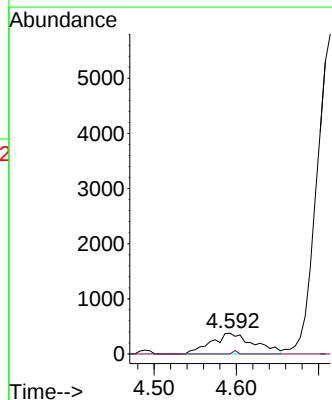
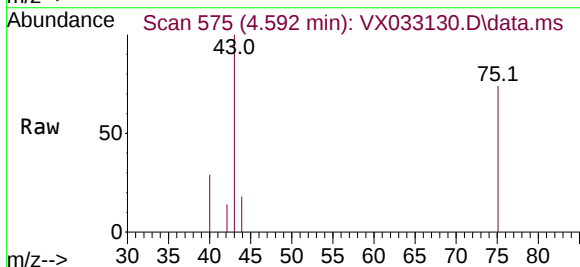
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

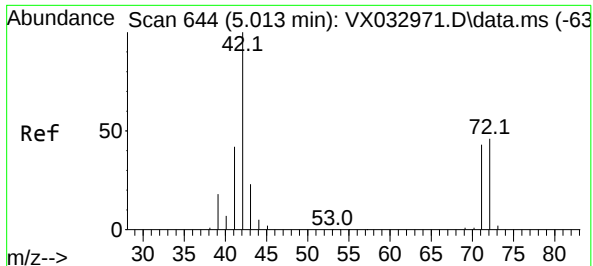
Tgt Ion: 84	Resp: 4201
Ion Ratio	Lower Upper
84 100	
49 108.3	101.0 151.6
51 33.8	31.1 46.7
86 54.8	52.3 78.5



#25
2-Butanone
Concen: 1.522 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 43	Resp: 1363
Ion Ratio	Lower Upper
43 100	
72 0.0	22.2 33.2#





#29

Tetrahydrofuran

Concen: 0.479 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-1

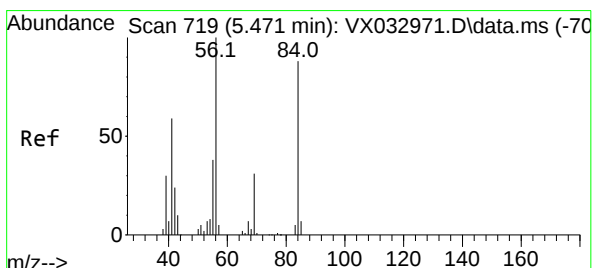
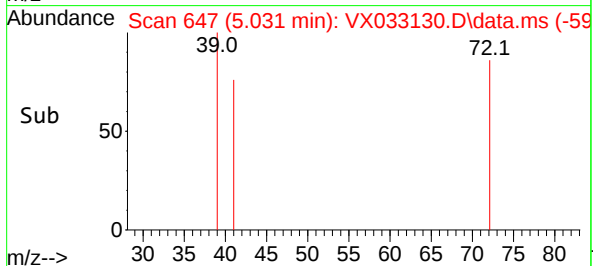
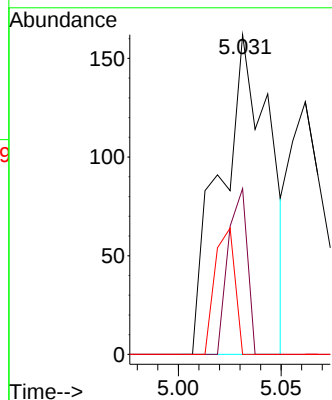
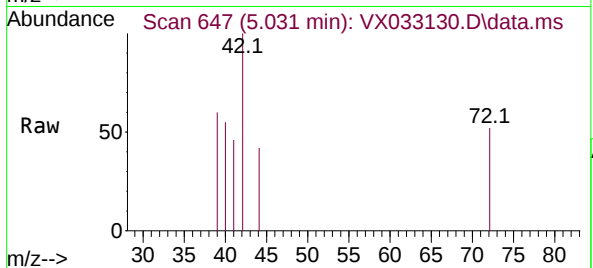
Tgt Ion: 42 Resp: 272

Ion Ratio Lower Upper

42 100

72 20.2 37.6 56.4#

71 15.8 34.7 52.1#



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

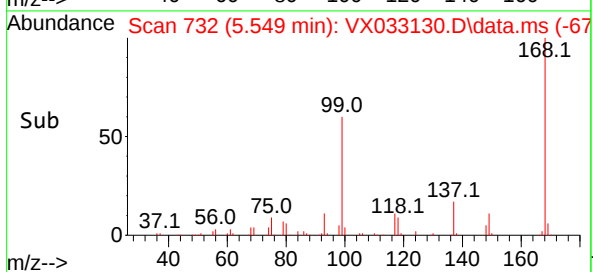
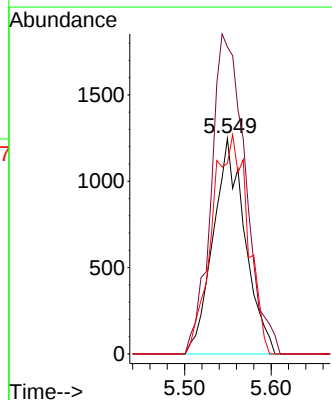
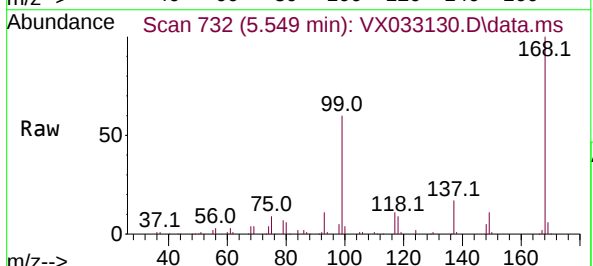
Tgt Ion: 56 Resp: 3183

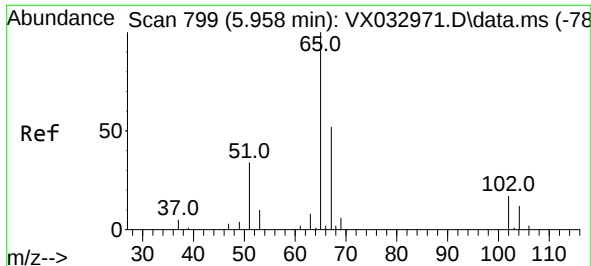
Ion Ratio Lower Upper

56 100

69 142.5 24.1 36.1#

84 88.4 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 57.749 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

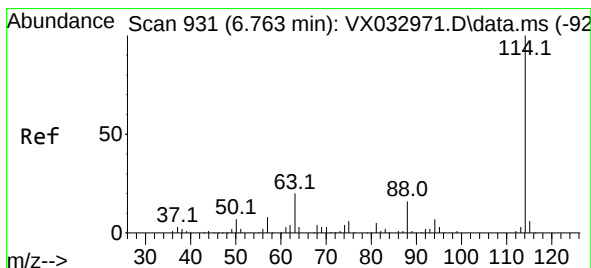
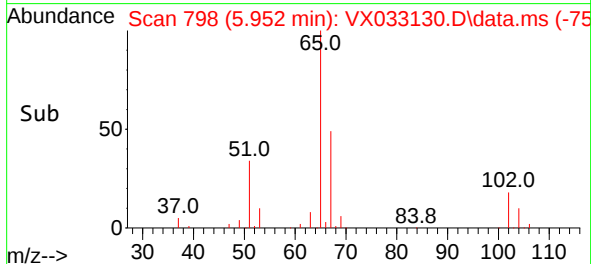
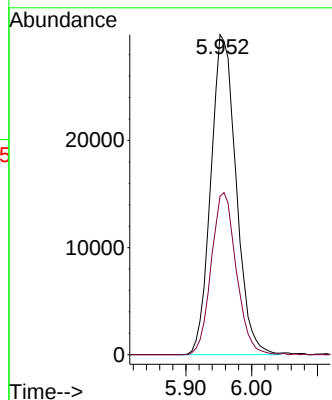
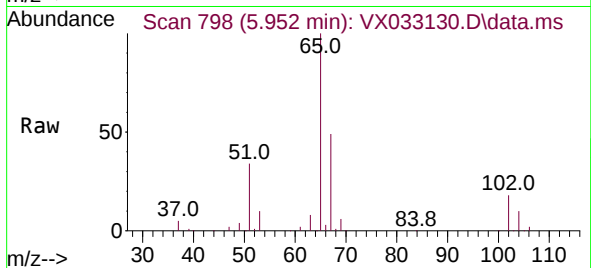
TCLP-VOC-1

Tgt Ion: 65 Resp: 79922

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

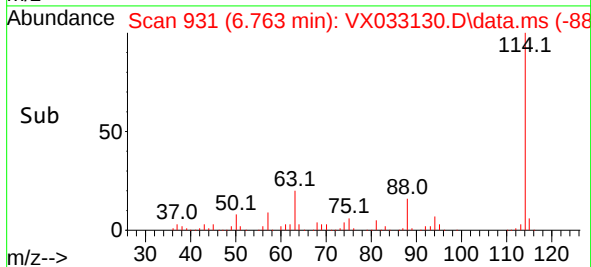
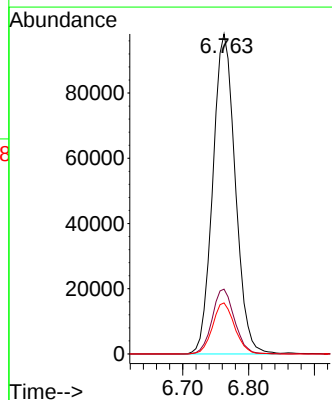
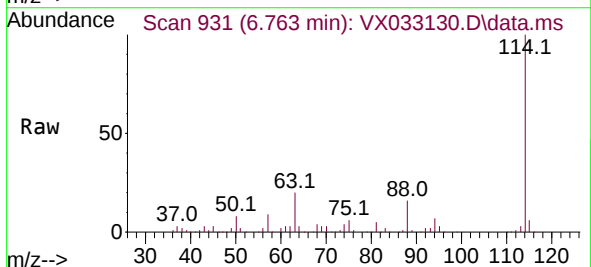
Tgt Ion: 114 Resp: 233157

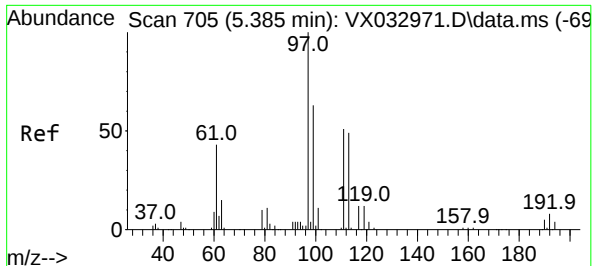
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 16.0 0.0 33.4

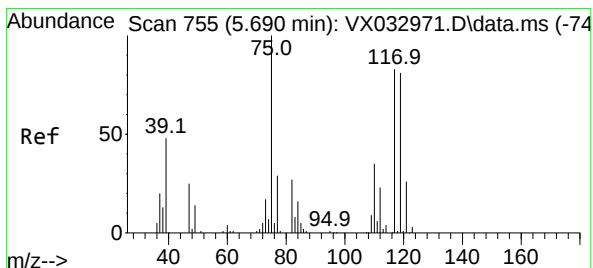
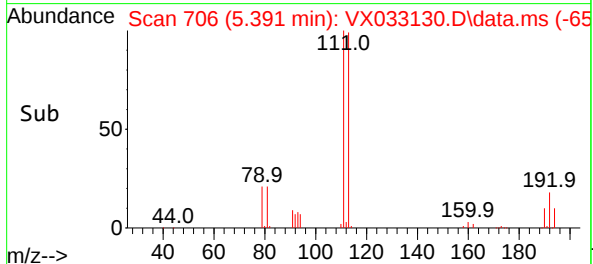
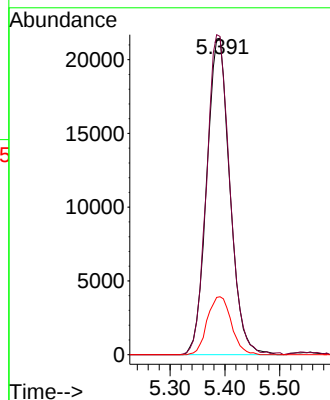
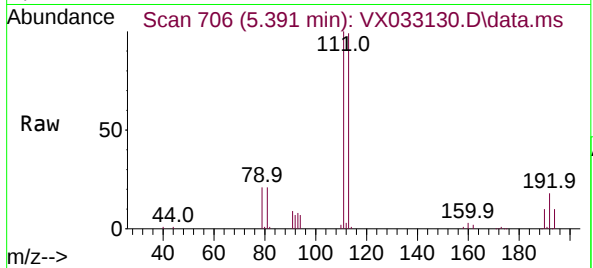




#35
 Dibromofluoromethane
 Concen: 47.875 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX033130.D
 Acq: 30 Nov 2022 14:32

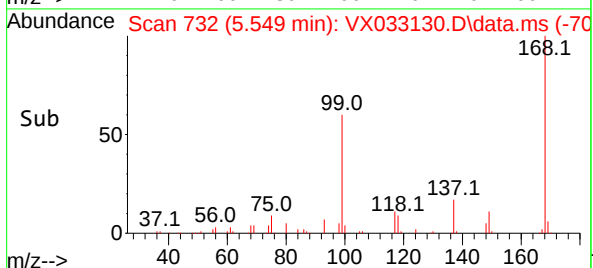
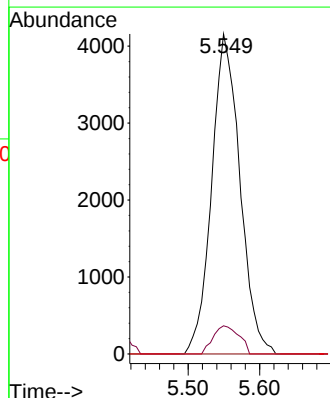
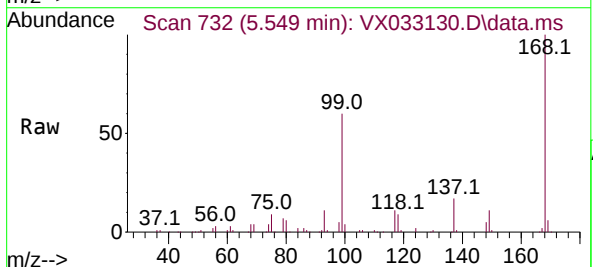
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-1

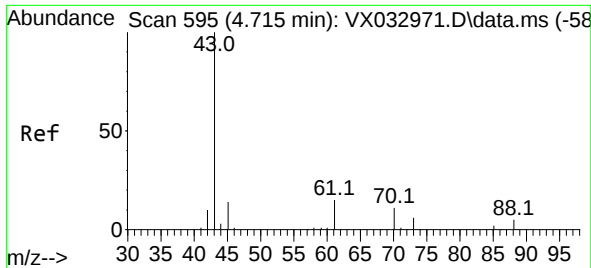
Tgt Ion:113 Resp: 62929
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.429 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.147 min
 Lab File: VX033130.D
 Acq: 30 Nov 2022 14:32

Tgt Ion: 75 Resp: 11411
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.4 55.2#
 77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.626 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-1

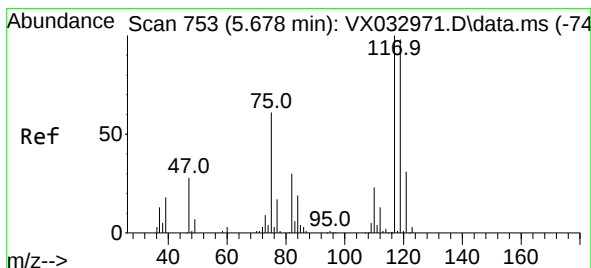
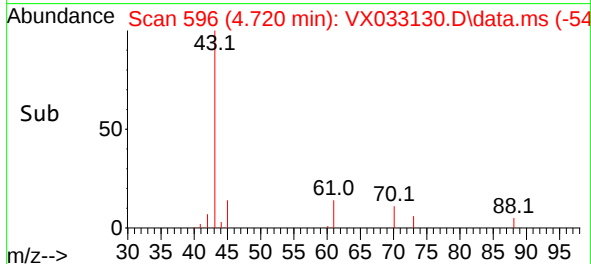
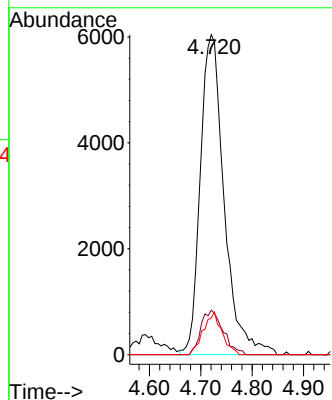
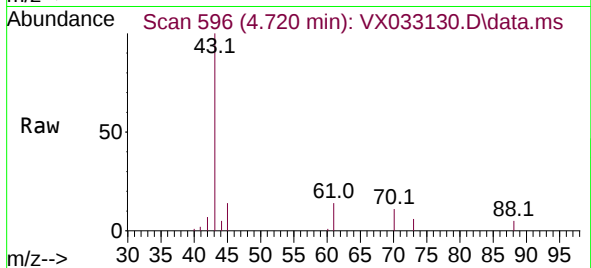
Tgt Ion: 43 Resp: 19484

Ion Ratio Lower Upper

43 100

61 12.9 11.5 17.3

70 10.4 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

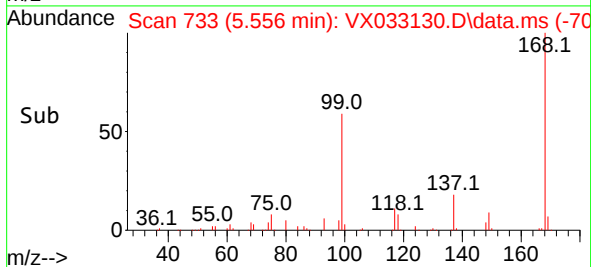
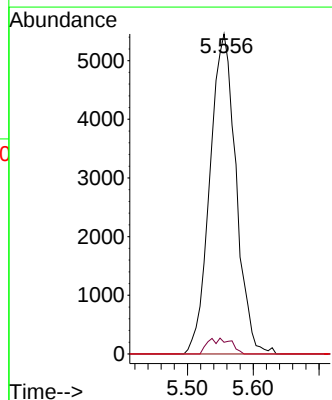
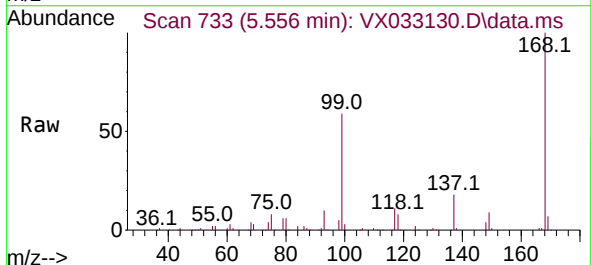
Tgt Ion: 117 Resp: 15093

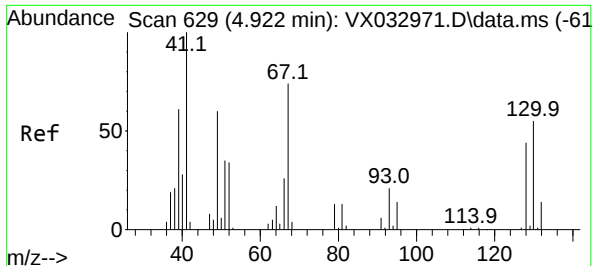
Ion Ratio Lower Upper

117 100

119 3.7 77.2 115.8#

121 0.0 25.8 38.6#

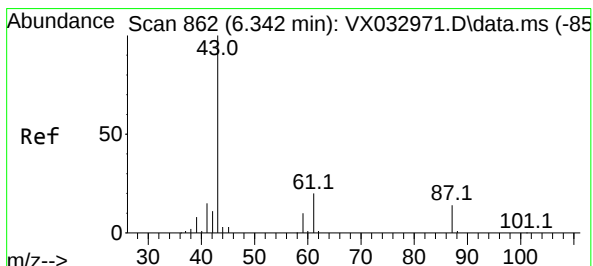
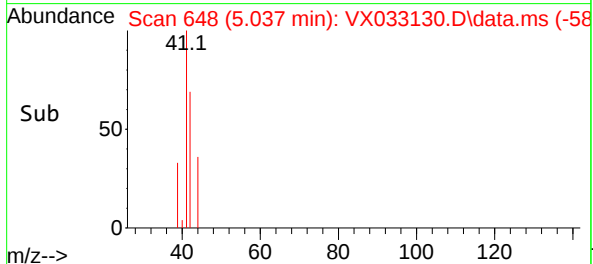
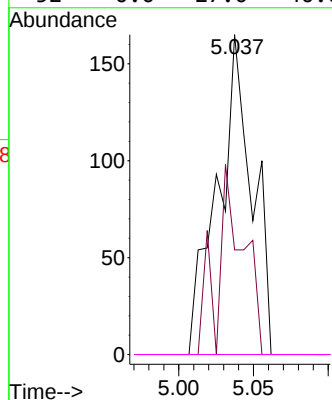
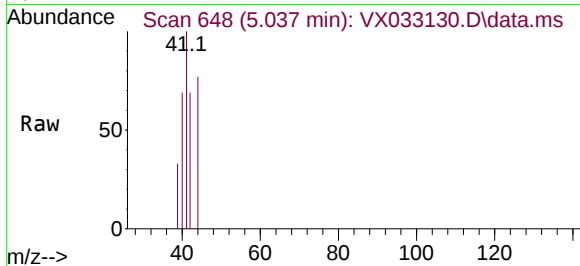




#41
Methacrylonitrile
Concen: 0.257 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.115 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

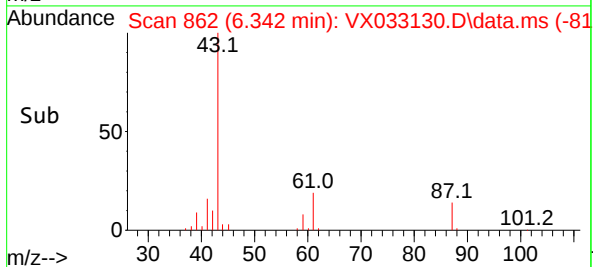
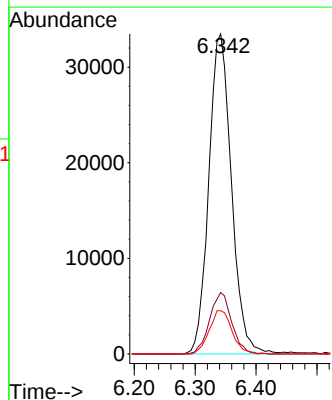
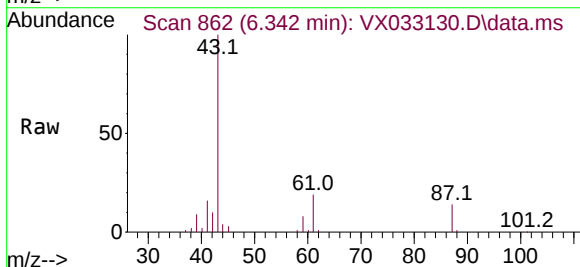
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

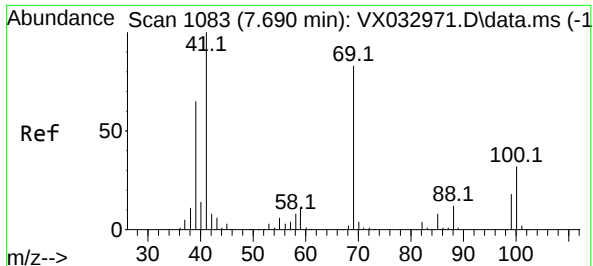
Tgt Ion:	41	Resp:	265
Ion	Ratio	Lower	Upper
41	100		
39	45.3	47.5	71.3#
67	0.0	60.5	90.7#
52	0.0	27.0	40.6#



#43
Isopropyl Acetate
Concen: 28.501 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion:	43	Resp:	86431
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.4	23.0
87	13.7	10.8	16.2





#48

Methyl methacrylate

Concen: 52.519 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-1

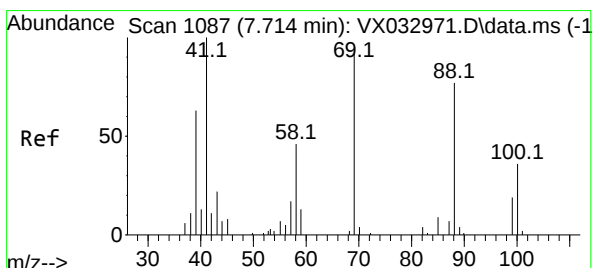
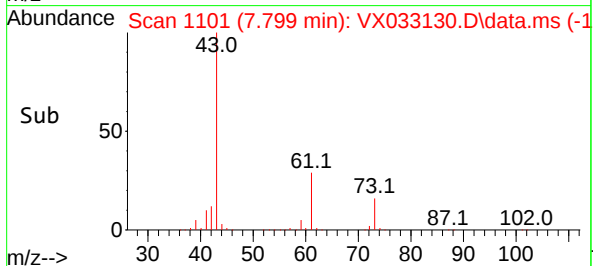
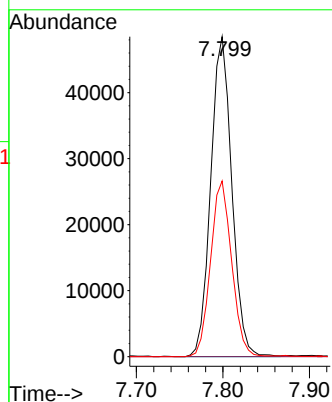
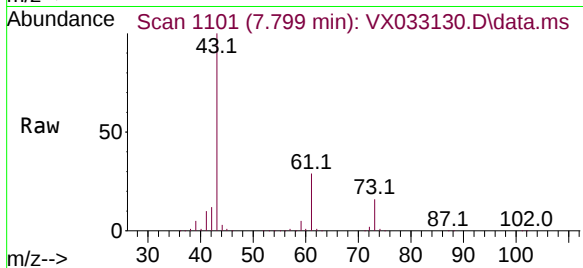
Tgt Ion: 41 Resp: 81980

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 55.0 51.9 77.9



#49

1,4-Dioxane

Concen: 2.645 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

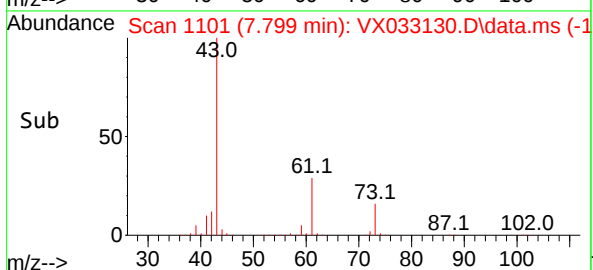
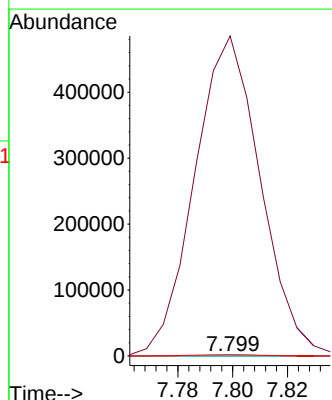
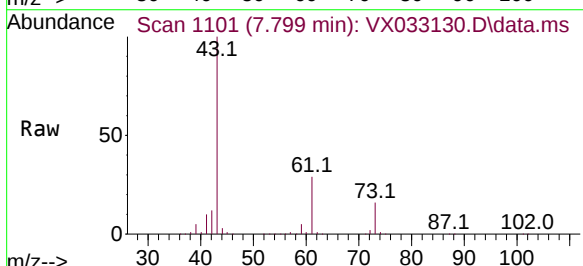
Tgt Ion: 88 Resp: 76

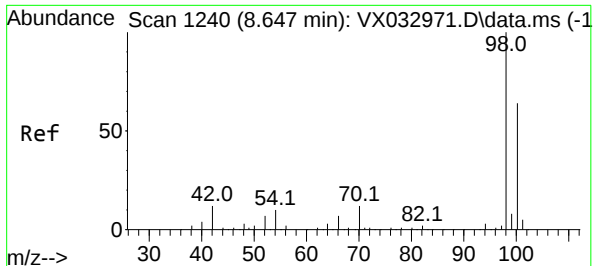
Ion Ratio Lower Upper

88 100

43 1074803.9 26.6 39.8#

58 4569.7 51.7 77.5#





#50

Toluene-d8

Concen: 54.157 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

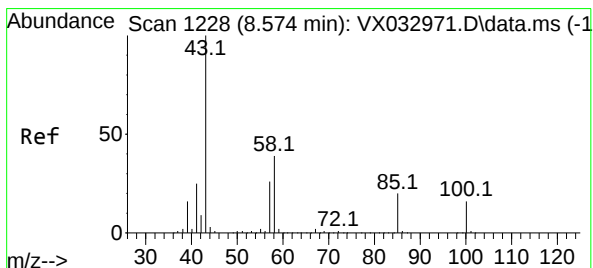
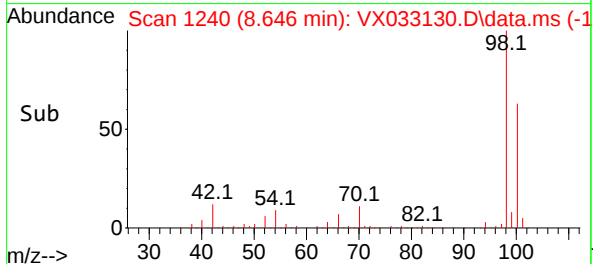
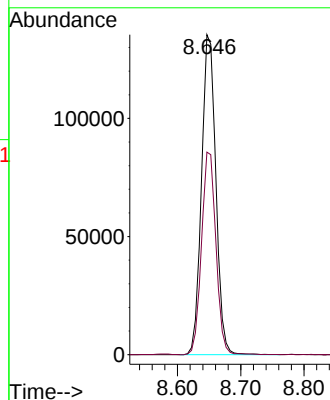
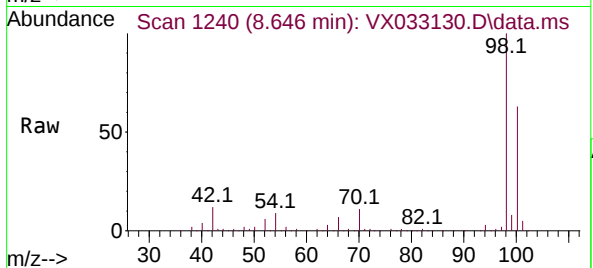
TCLP-VOC-1

Tgt Ion: 98 Resp: 213479

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 38.569 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX033130.D

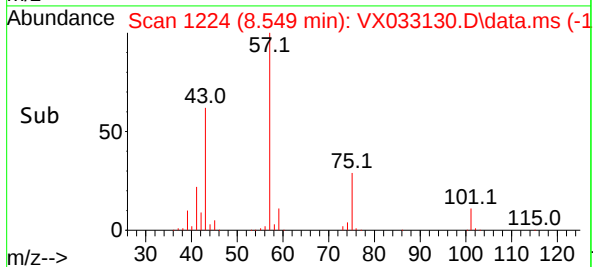
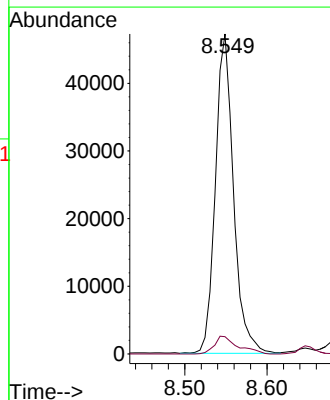
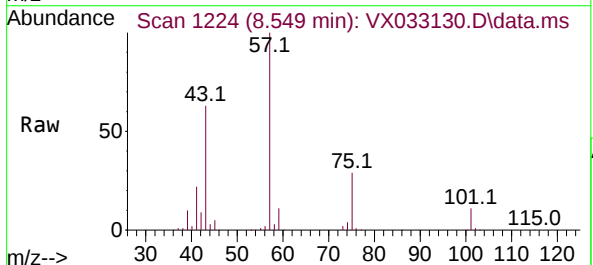
Acq: 30 Nov 2022 14:32

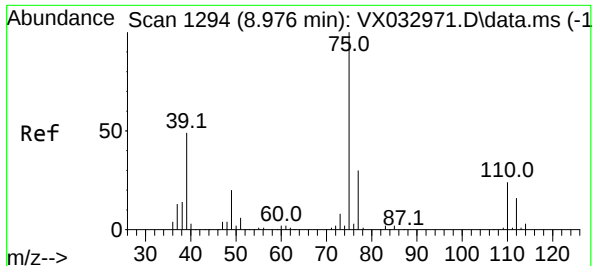
Tgt Ion: 43 Resp: 72173

Ion Ratio Lower Upper

43 100

58 7.2 30.9 46.3#

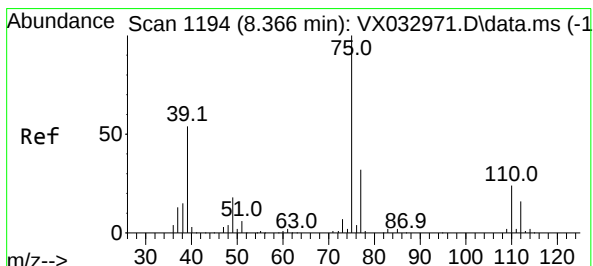
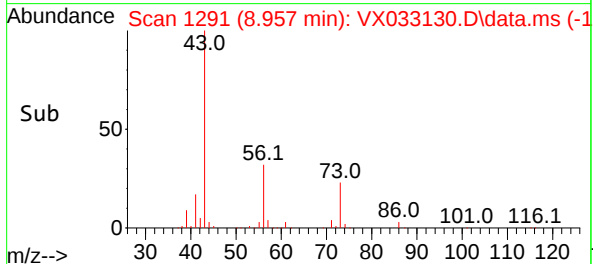
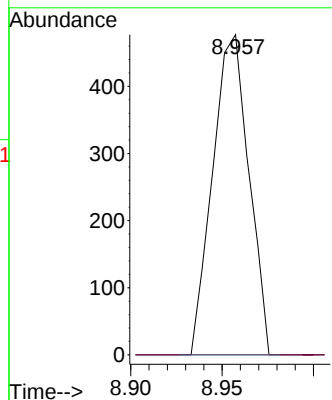
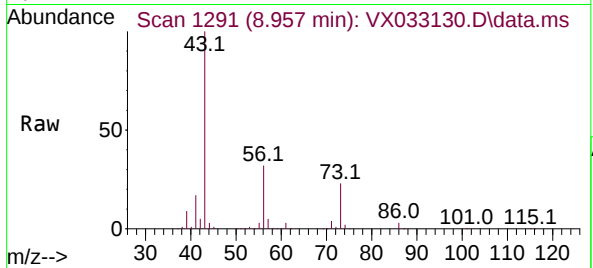




#53
 t-1,3-Dichloropropene
 Concen: 1.788 ug/l
 RT: 8.957 min Scan# 11224
 Delta R.T. -0.025 min
 Lab File: VX033130.D
 Acq: 30 Nov 2022 14:32

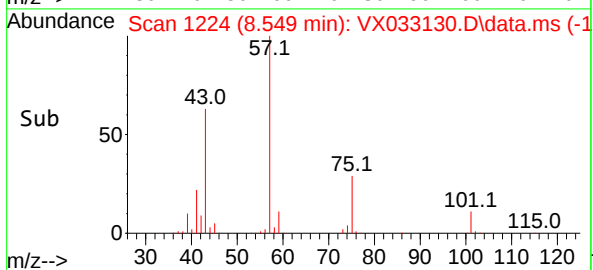
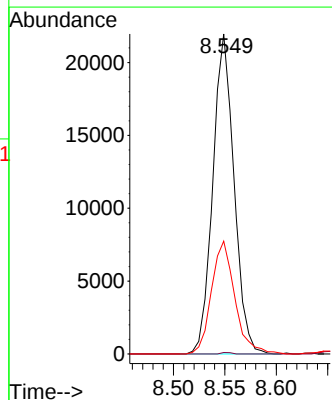
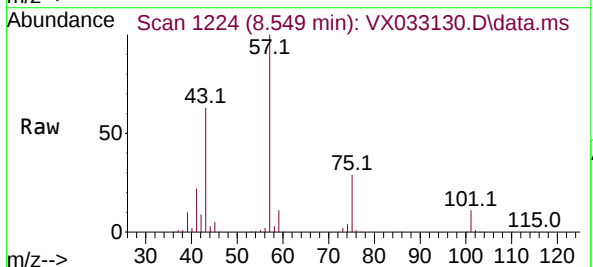
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-1

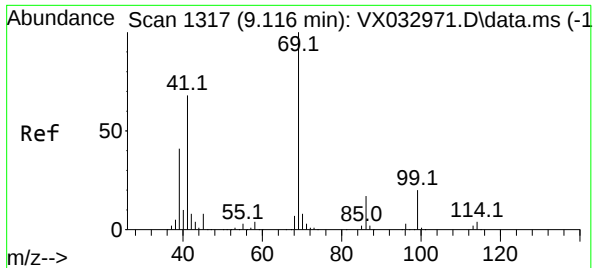
Tgt Ion: 75 Resp: 658
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 13.325 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033130.D
 Acq: 30 Nov 2022 14:32

Tgt Ion: 75 Resp: 31541
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 35.3 45.5 68.3#

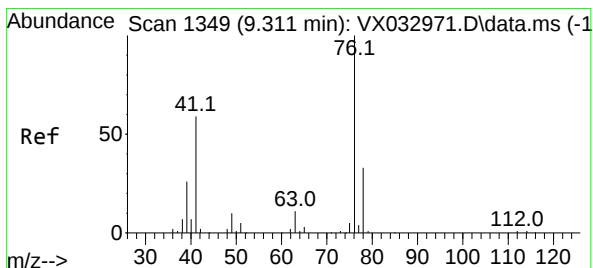
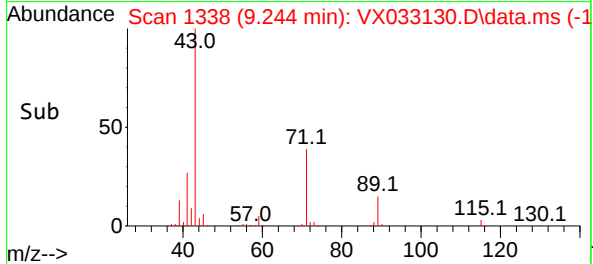
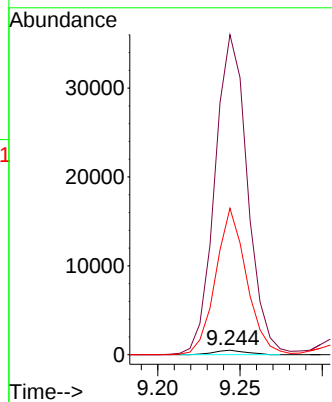
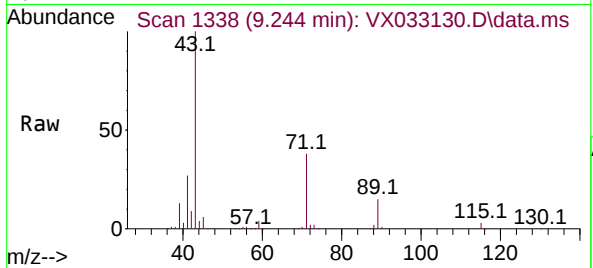




#56
Ethyl methacrylate
Concen: 0.309 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

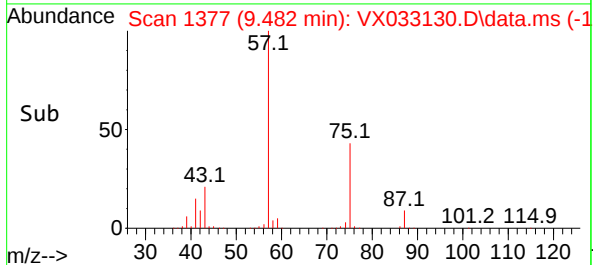
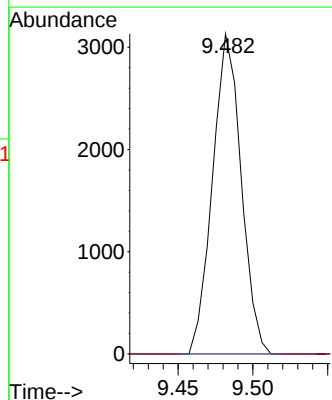
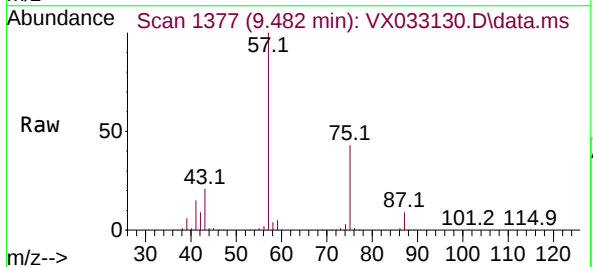
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

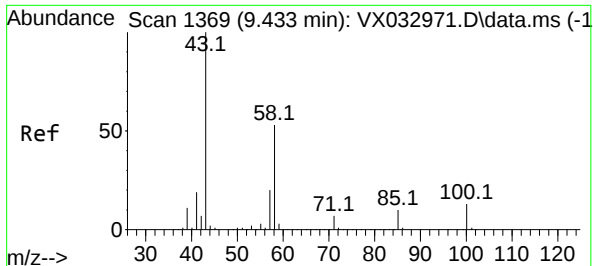
Tgt Ion: 69 Resp: 672
Ion Ratio Lower Upper
69 100
41 7417.3 54.3 81.5#
39 3213.4 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.633 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 76 Resp: 4160
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 43.469 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

Instrument :

MSVOA_X

ClientSampleId :

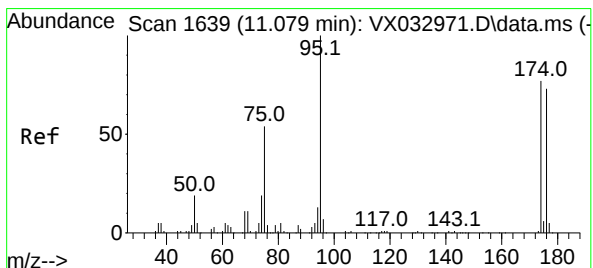
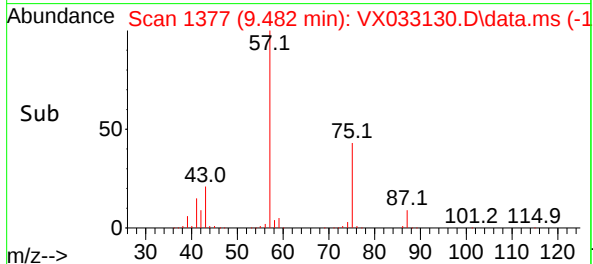
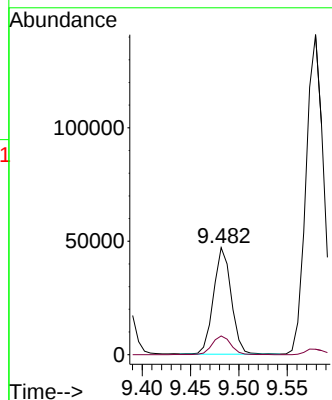
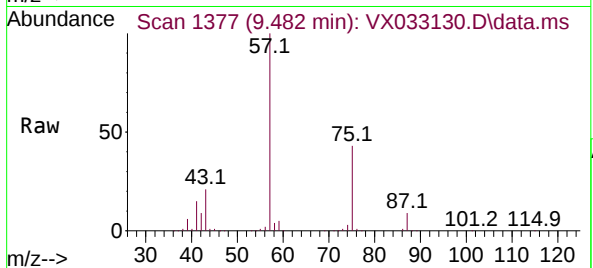
TCLP-VOC-1

Tgt Ion: 43 Resp: 60088

Ion Ratio Lower Upper

43 100

58 18.8 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 49.559 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033130.D

Acq: 30 Nov 2022 14:32

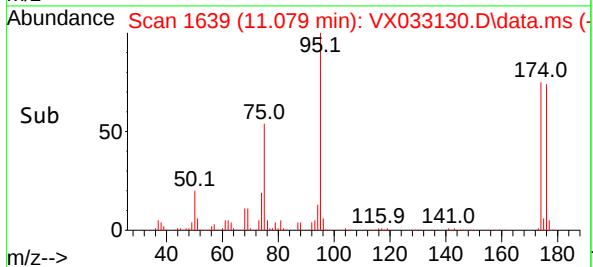
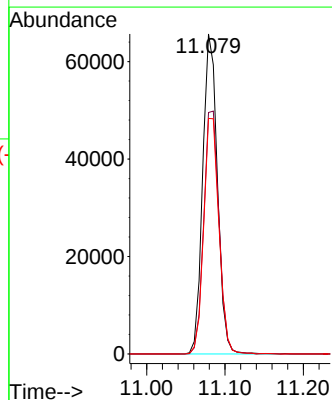
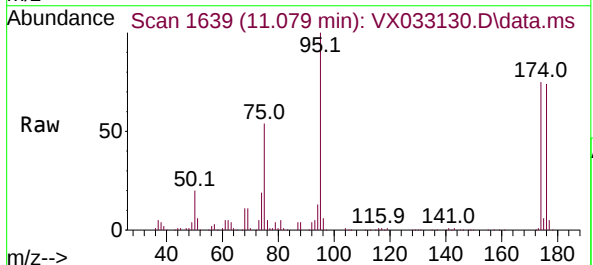
Tgt Ion: 95 Resp: 85572

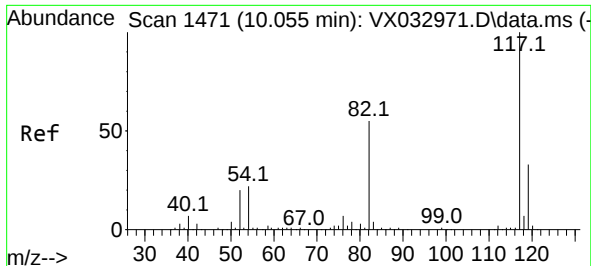
Ion Ratio Lower Upper

95 100

174 78.9 0.0 164.0

176 76.3 0.0 154.4

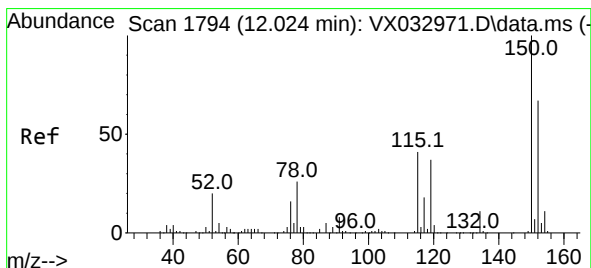
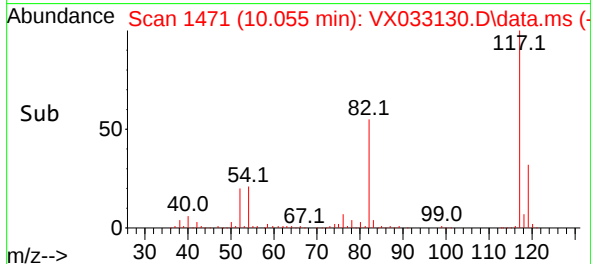
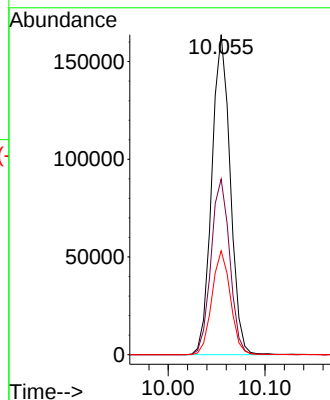
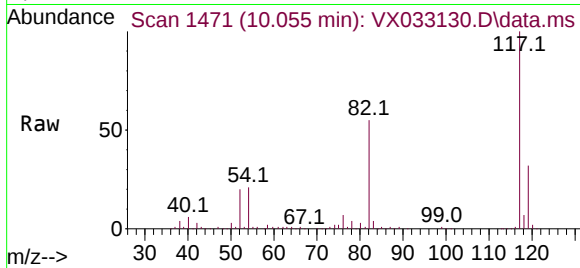




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

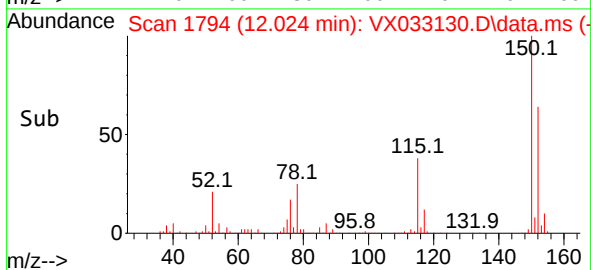
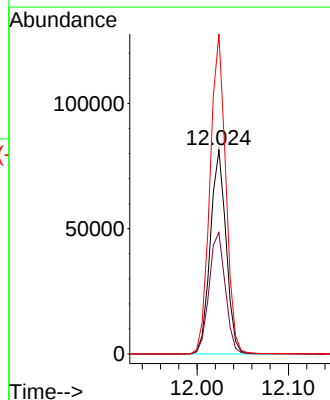
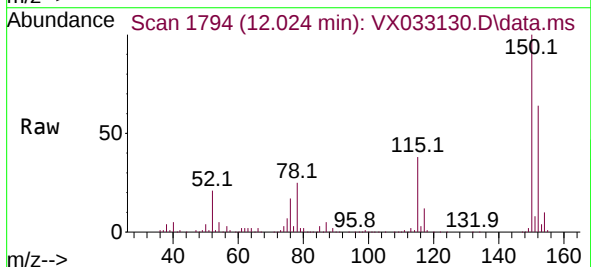
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

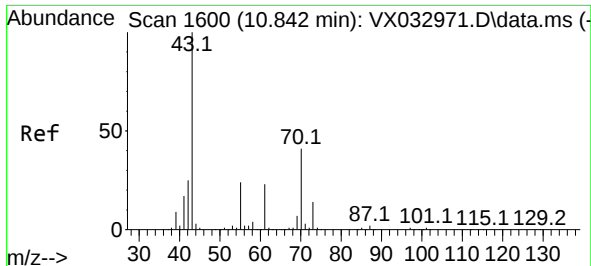
Tgt Ion:117 Resp: 217531
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion:152 Resp: 97546
Ion Ratio Lower Upper
152 100
115 61.2 44.0 132.0
150 156.7 0.0 351.8

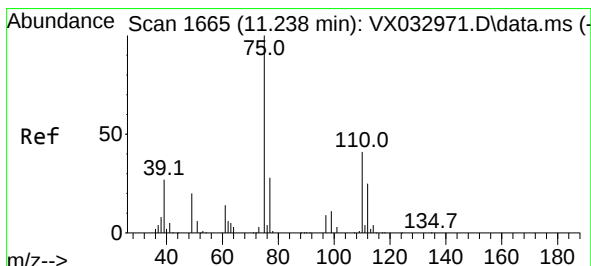
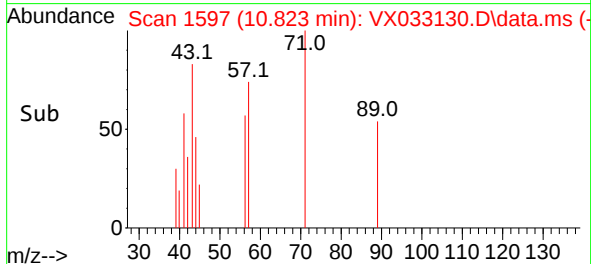
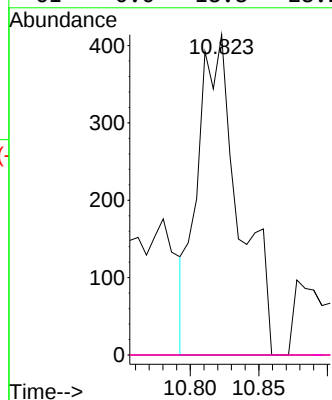
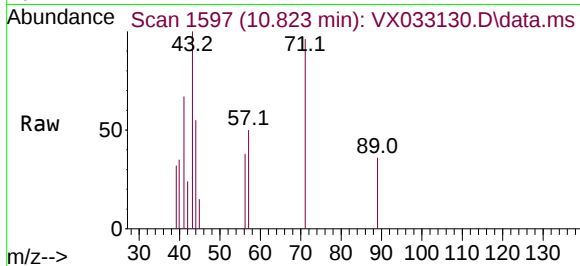




#74
N-amy1 acetate
Concen: 0.365 ug/l
RT: 10.823 min Scan# 1639
Delta R.T. -0.018 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

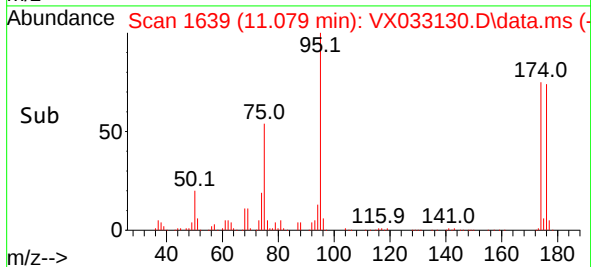
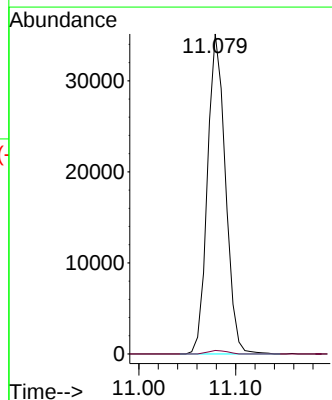
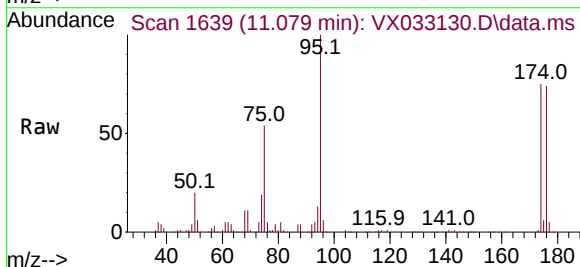
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-1

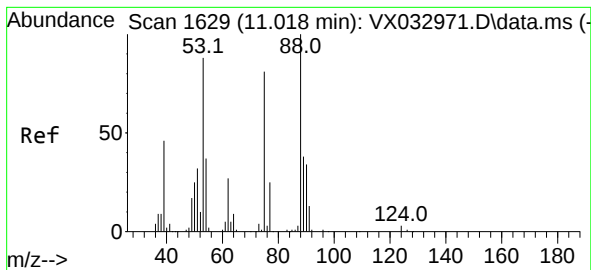
Tgt Ion: 43	Resp: 866
Ion Ratio	Lower Upper
43	100
70	0.0 33.6 50.4#
55	0.0 19.4 29.2#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033130.D
Acq: 30 Nov 2022 14:32

Tgt Ion: 75	Resp: 45496
Ion Ratio	Lower Upper
75	100
77	1.2 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.051 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033130.D
 Acq: 30 Nov 2022 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-1

Tgt Ion: 75 Resp: 45496
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

