

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033534.D
 Acq On : 21 Dec 2022 15:05
 Operator : JC/MD
 Sample : N6160-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-8-3051

Quant Time: Dec 22 03:58:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

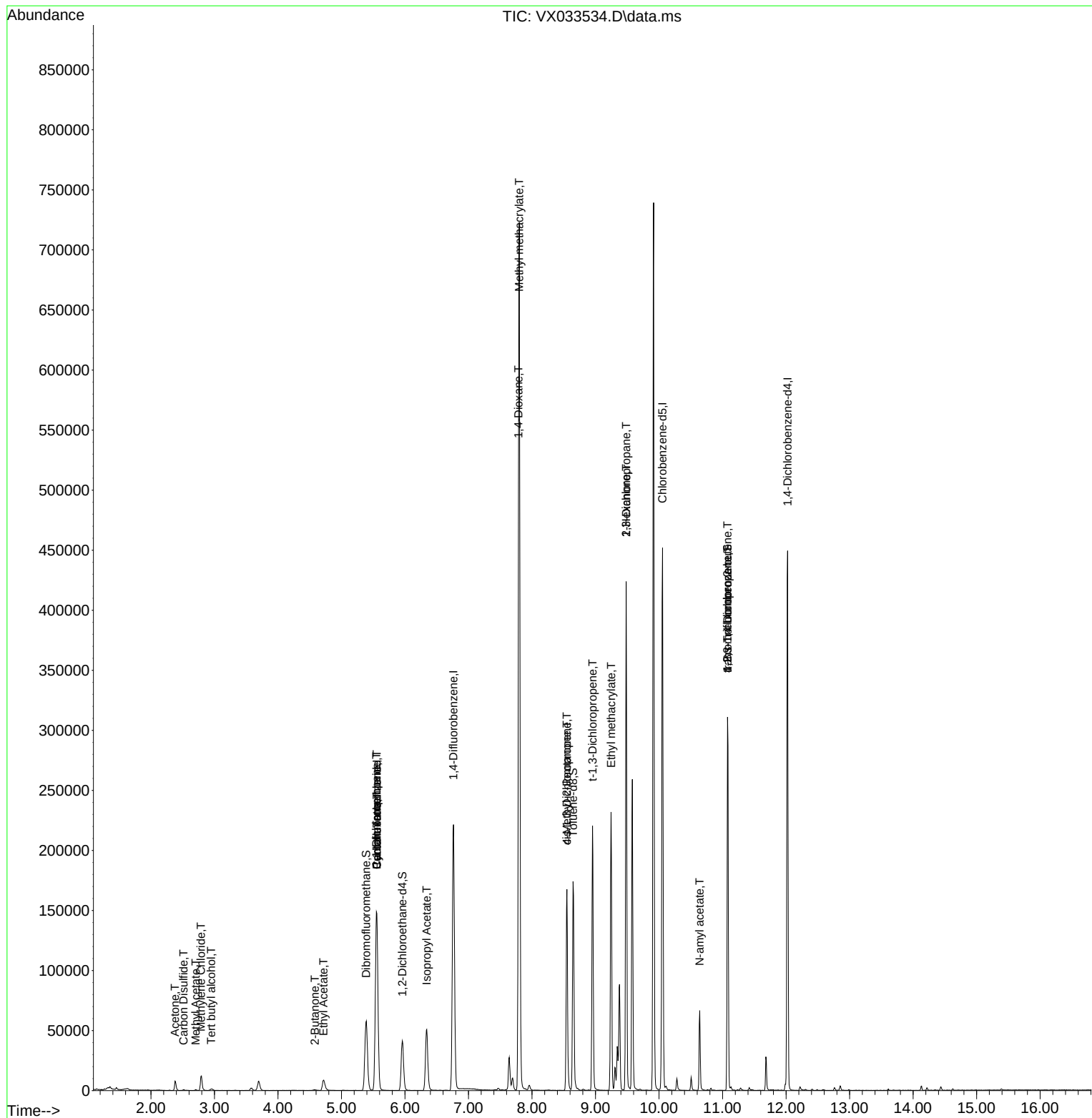
Internal Standards						
1) Pentafluorobenzene	5.556	168	152115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42421	43.470	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.940%
35) Dibromofluoromethane	5.385	113	51872	48.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.620%
50) Toluene-d8	8.647	98	107446	47.837	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.680%
62) 4-Bromofluorobenzene	11.079	95	84643	49.286	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	773	2.591	ug/l #	72
16) Acetone	2.380	43	8598	11.907	ug/l	98
17) Carbon Disulfide	2.514	76	1006	0.284	ug/l #	74
18) Methyl Acetate	2.703	43	851	0.407	ug/l #	89
20) Methylene Chloride	2.788	84	6564	4.076	ug/l #	81
25) 2-Butanone	4.580	43	1044	1.007	ug/l #	74
31) Cyclohexane	5.556	56	2495	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10076	4.813	ug/l #	51
37) Ethyl Acetate	4.715	43	16136	8.155	ug/l	98
38) Carbon Tetrachloride	5.556	117	14738	6.284	ug/l #	15
43) Isopropyl Acetate	6.342	43	69006	21.674	ug/l	95
48) Methyl methacrylate	7.799	41	60817	37.011	ug/l #	41
49) 1,4-Dioxane	7.787	88	25	0.667	ug/l #	26
51) 4-Methyl-2-Pentanone	8.549	43	54542	27.089	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	457	2.680	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28259	11.457	ug/l #	51
56) Ethyl methacrylate	9.244	69	560	0.240	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3715	1.394	ug/l #	42
59) 2-Hexanone	9.482	43	45975	30.985	ug/l #	53
74) N-amyl acetate	10.640	43	16729	6.767	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	40861	20.091	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40861	62.497	ug/l #	6

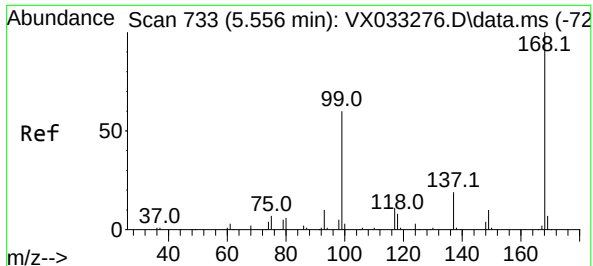
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

Quant Time: Dec 22 03:58:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

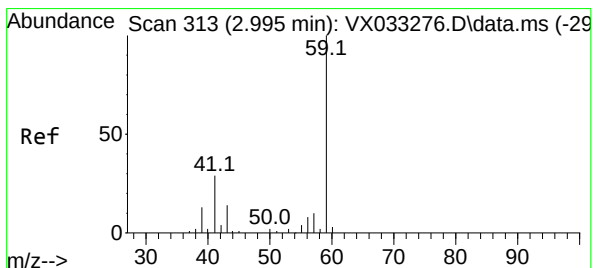
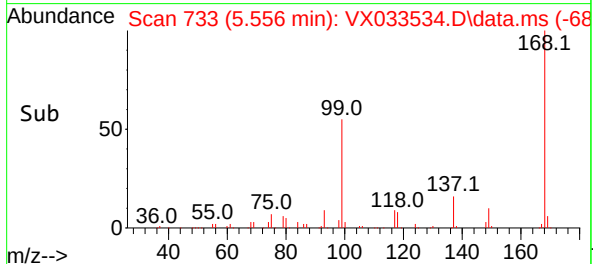
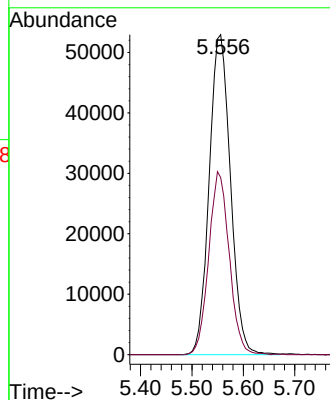
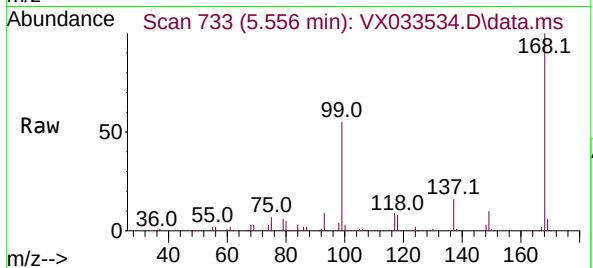




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

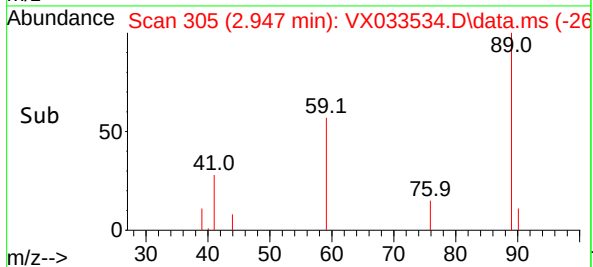
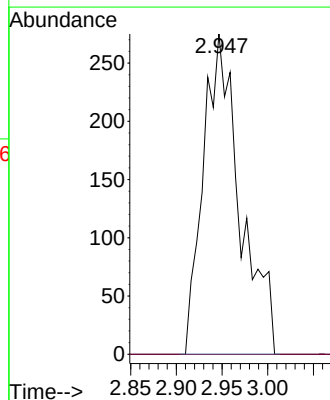
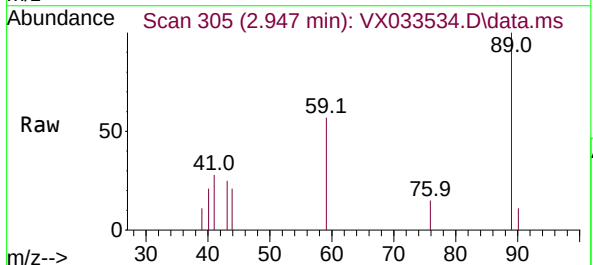
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

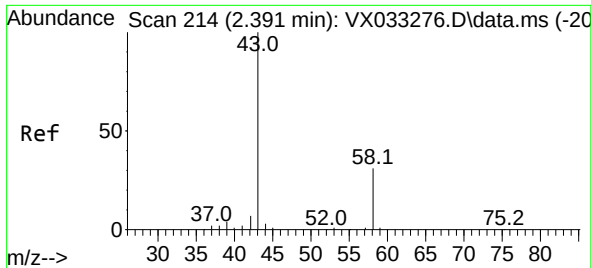
Tgt Ion:168 Resp: 152115
Ion Ratio Lower Upper
168 100
99 55.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 2.591 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

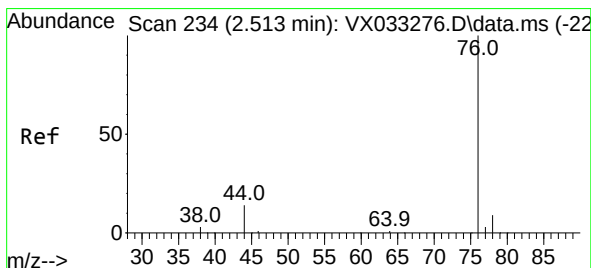
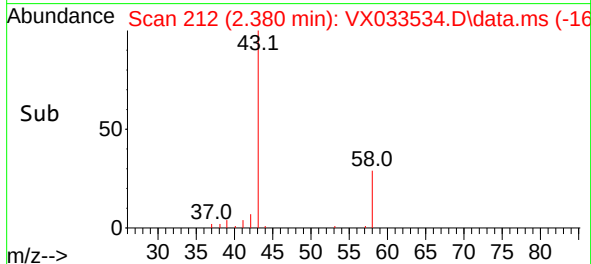
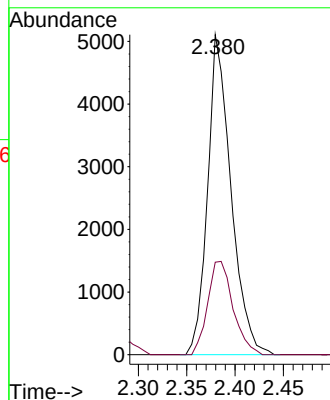
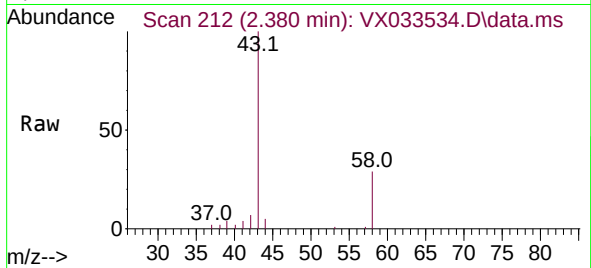




#16
Acetone
Concen: 11.907 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

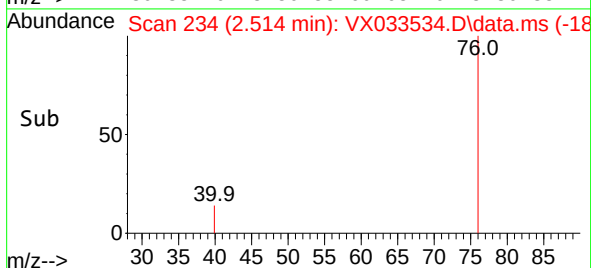
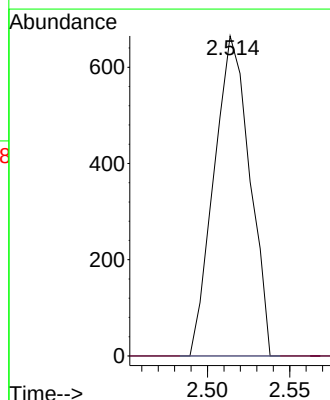
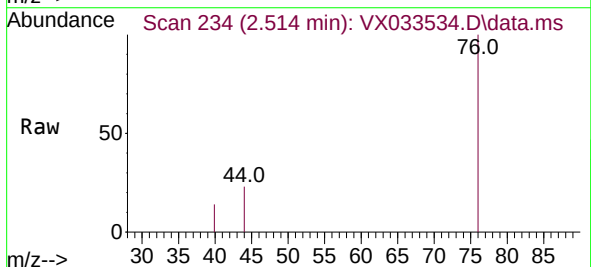
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

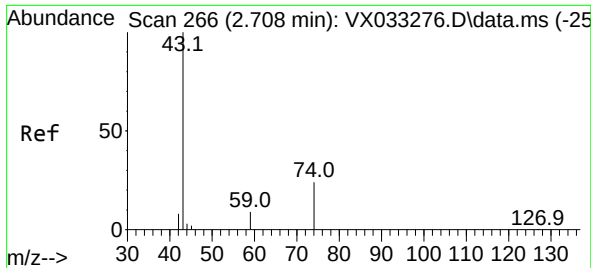
Tgt Ion: 43 Resp: 8598
Ion Ratio Lower Upper
43 100
58 28.9 23.8 35.8



#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 76 Resp: 1006
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 0.407 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

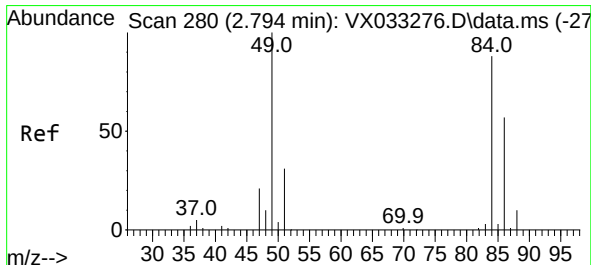
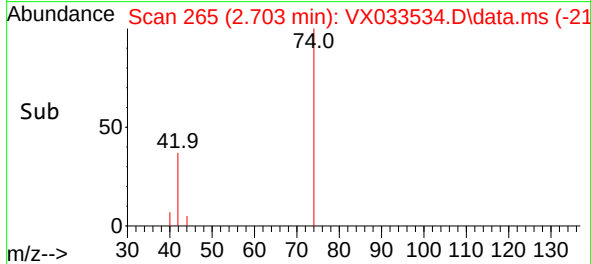
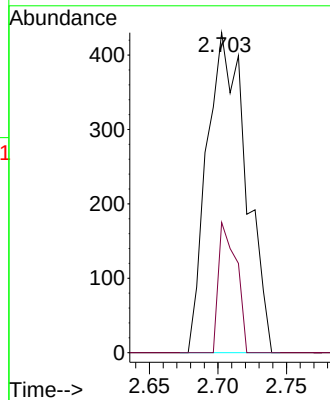
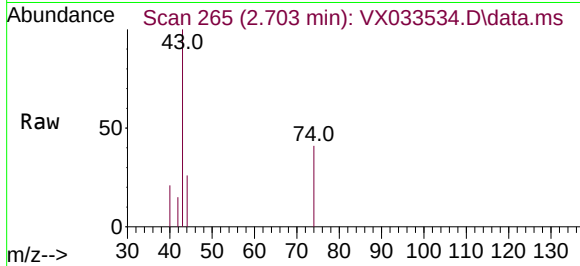
TCLP-VOC-8-3051

Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

74 18.7 19.4 29.0#



#20

Methylene Chloride

Concen: 4.076 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Tgt Ion: 84 Resp: 6564

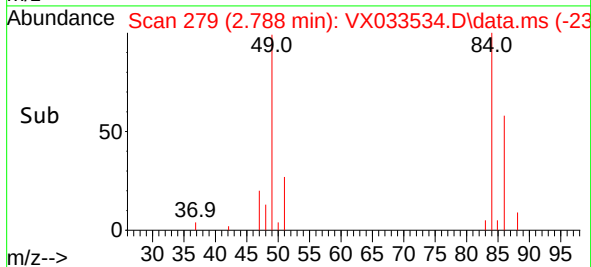
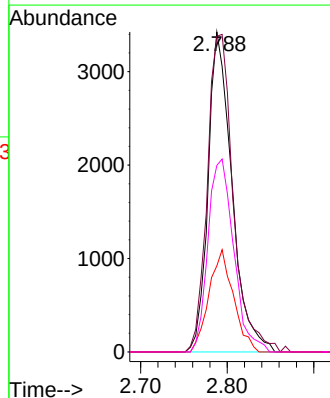
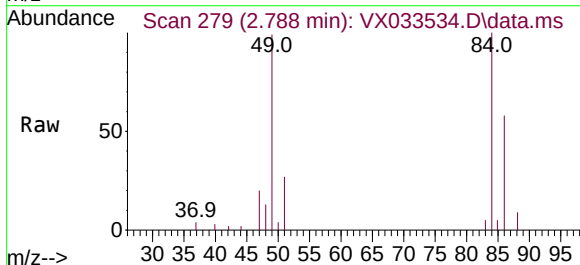
Ion Ratio Lower Upper

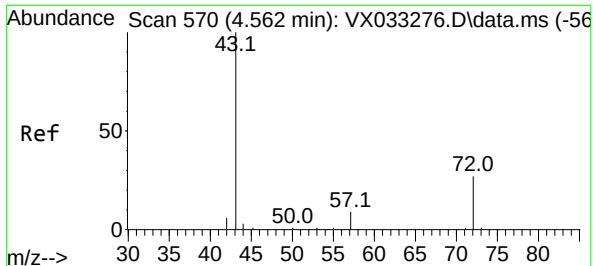
84 100

49 98.6 101.0 151.6#

51 26.9 31.1 46.7#

86 58.3 52.3 78.5





#25

2-Butanone

Concen: 1.007 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

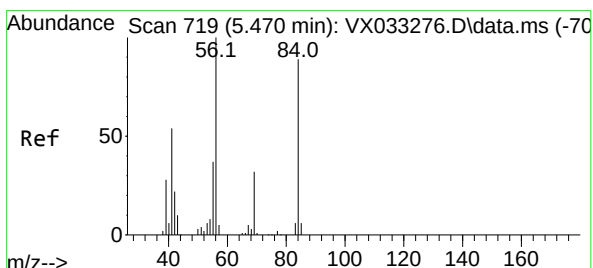
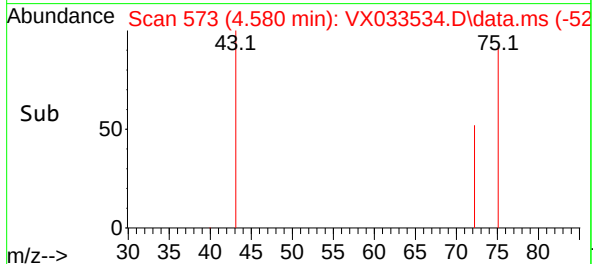
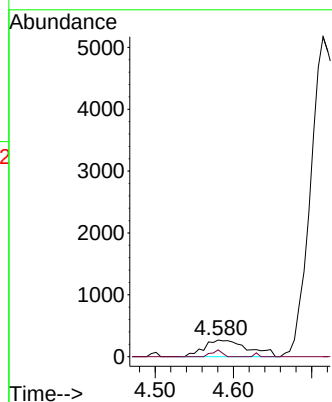
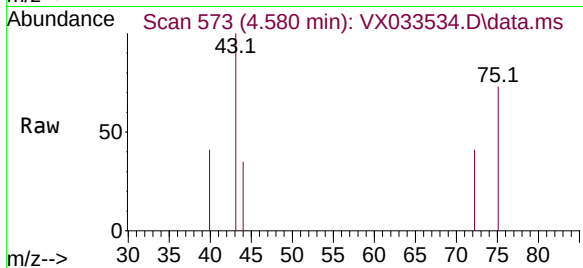
TCLP-VOC-8-3051

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

72 41.4 22.2 33.2#



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

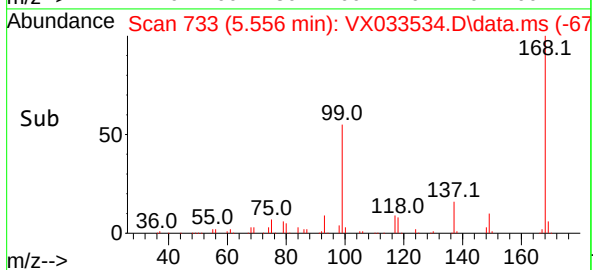
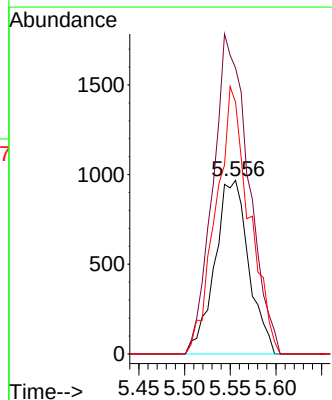
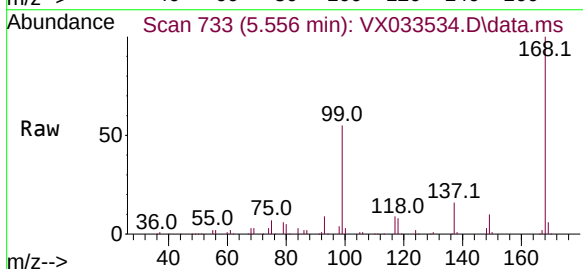
Tgt Ion: 56 Resp: 2495

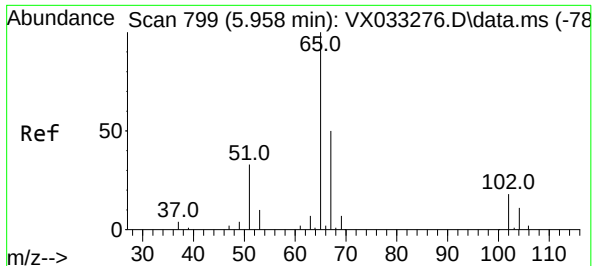
Ion Ratio Lower Upper

56 100

69 164.8 24.1 36.1#

84 145.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 43.470 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

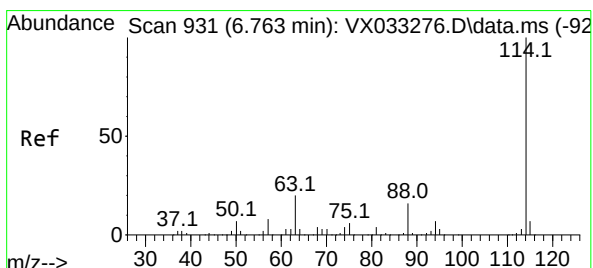
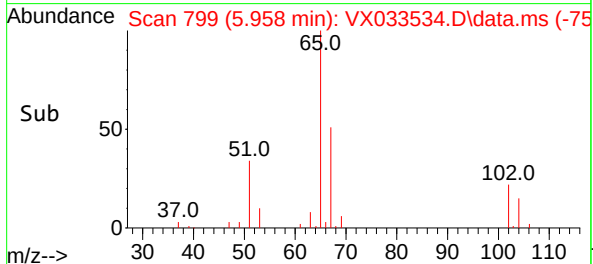
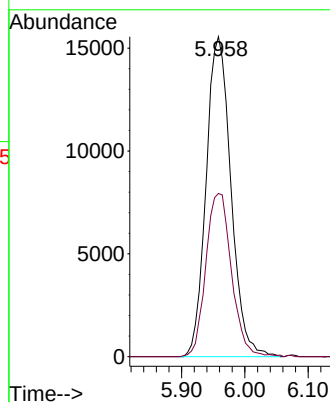
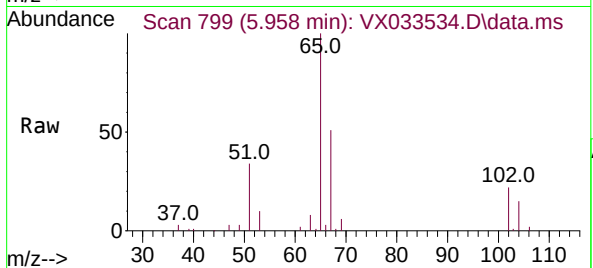
TCLP-VOC-8-3051

Tgt Ion: 65 Resp: 42421

Ion Ratio Lower Upper

65 100

67 52.8 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: VX033534.D

Acq: 21 Dec 2022 15:05

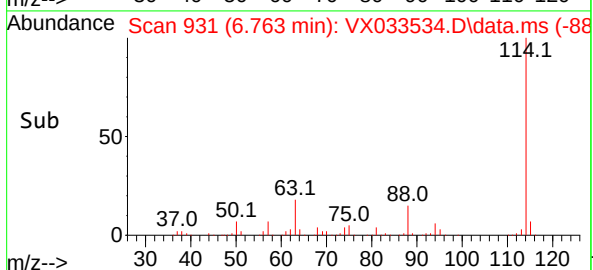
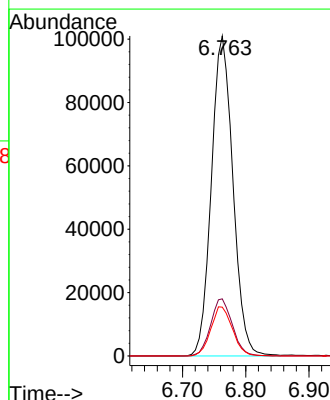
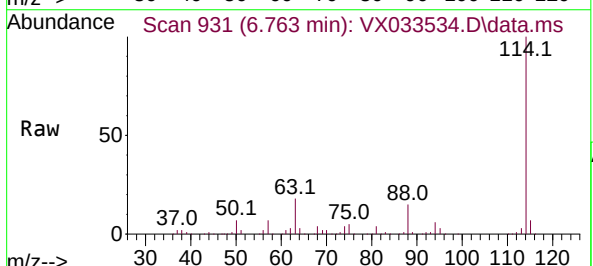
Tgt Ion: 114 Resp: 238712

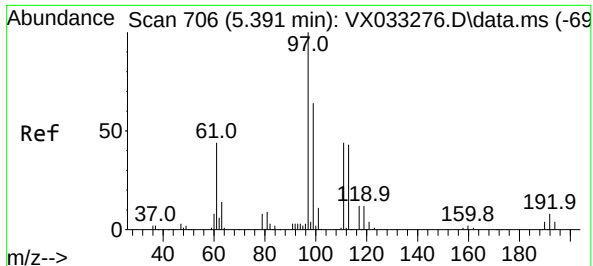
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.6

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.312 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033534.D

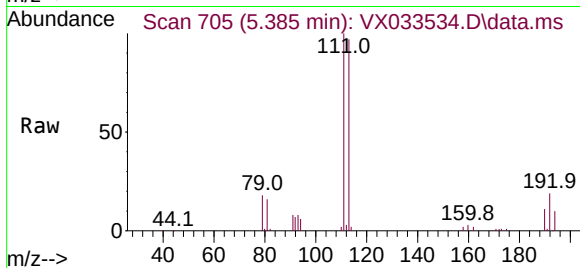
Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-8-3051



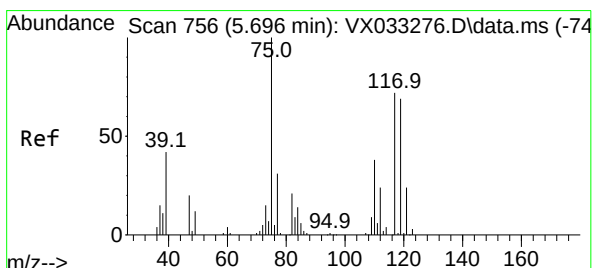
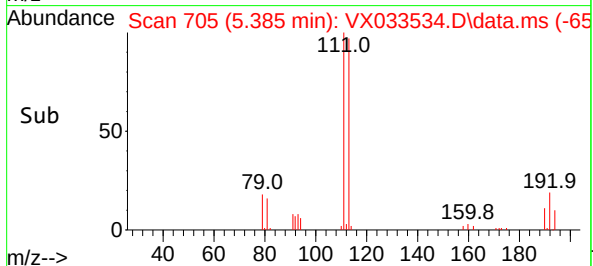
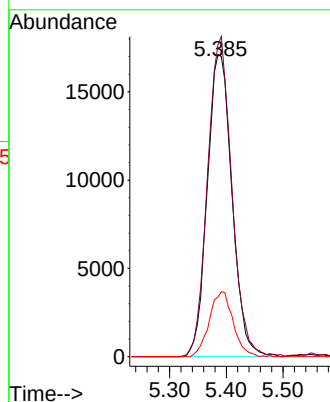
Tgt Ion:113 Resp: 51872

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 20.7 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

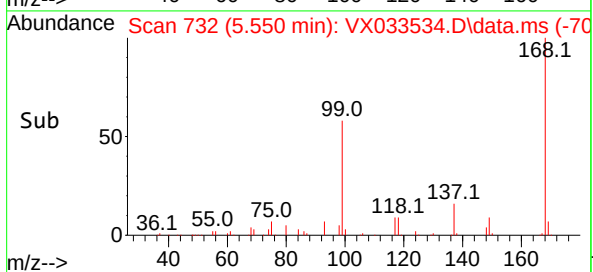
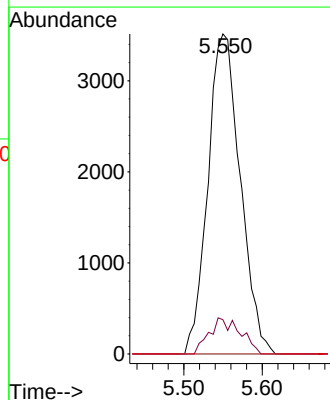
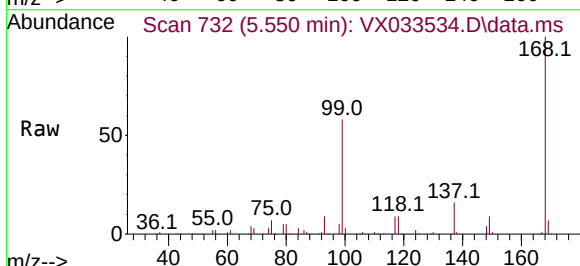
Tgt Ion: 75 Resp: 10076

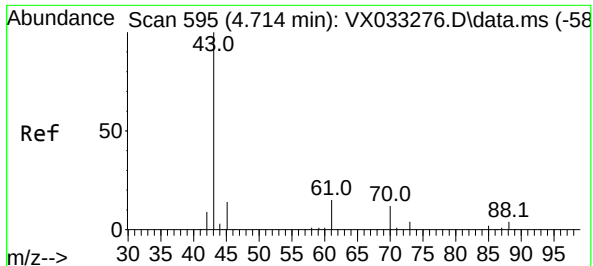
Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 8.155 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

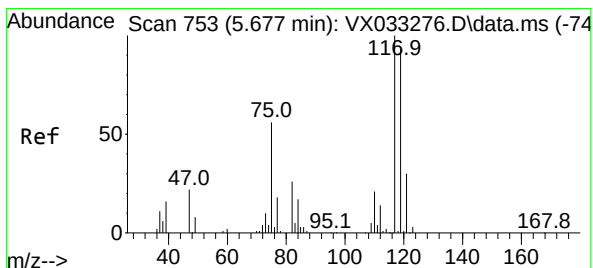
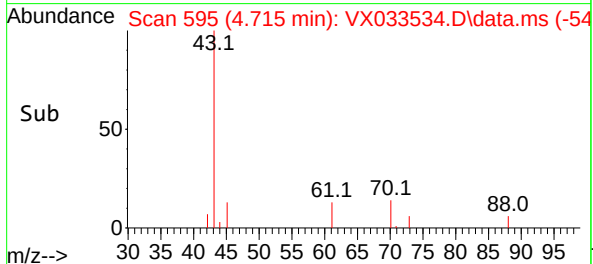
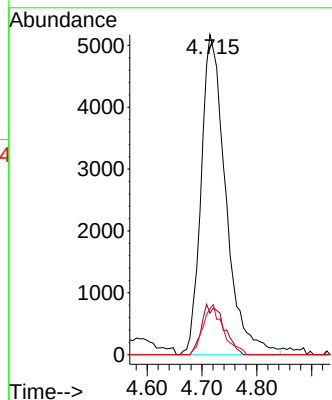
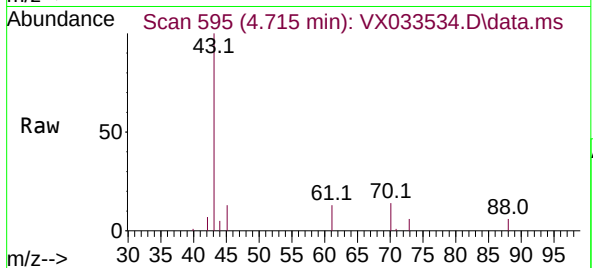
Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-8-3051

Tgt Ion: 43	Resp: 16136
Ion Ratio	Lower Upper
43 100	
61 14.1	11.5 17.3
70 12.8	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.284 ug/l

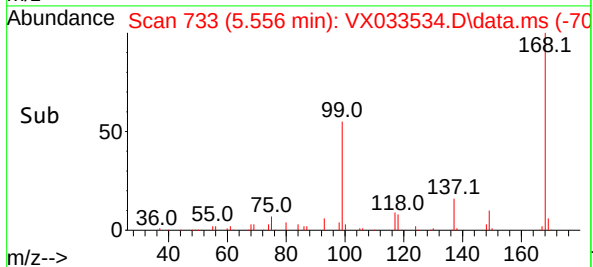
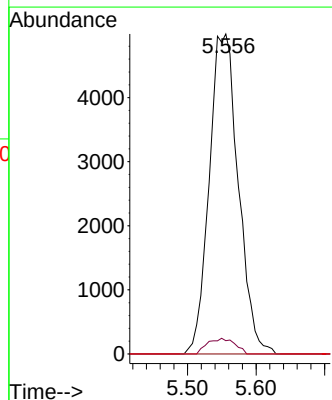
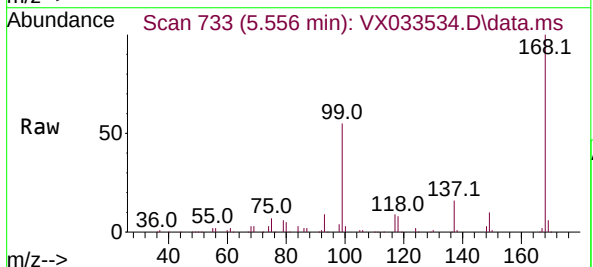
RT: 5.556 min Scan# 733

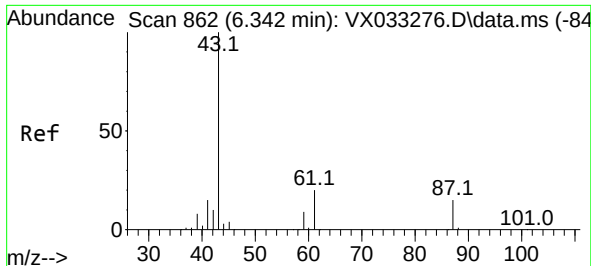
Delta R.T. -0.122 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Tgt Ion: 117	Resp: 14738
Ion Ratio	Lower Upper
117 100	
119 4.1	77.2 115.8#
121 0.0	25.8 38.6#

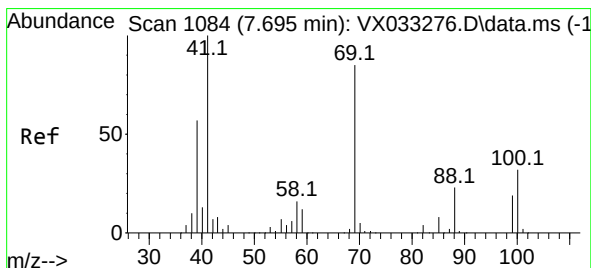
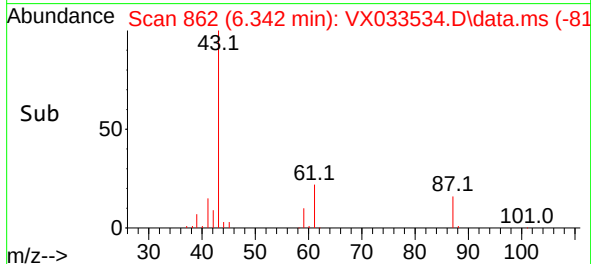
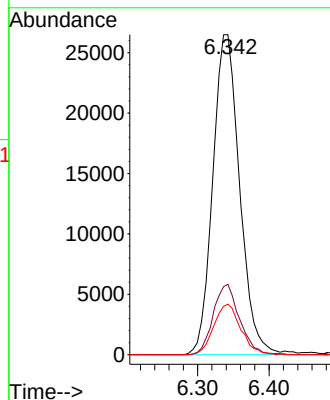
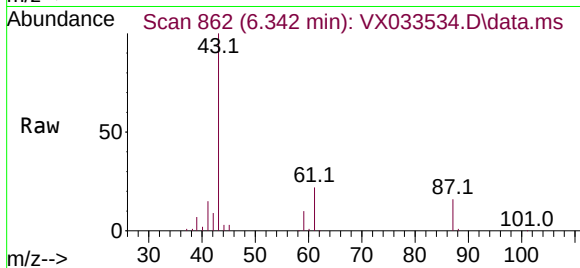




#43
Isopropyl Acetate
Concen: 21.674 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

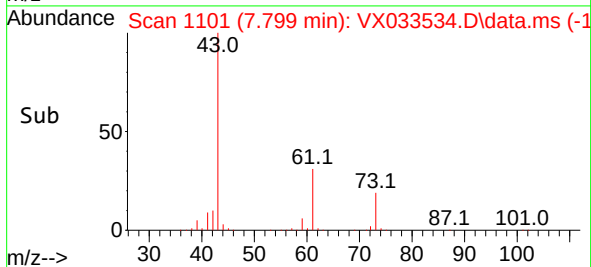
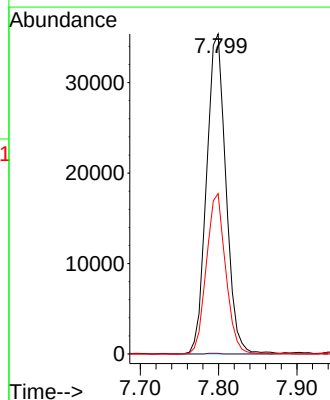
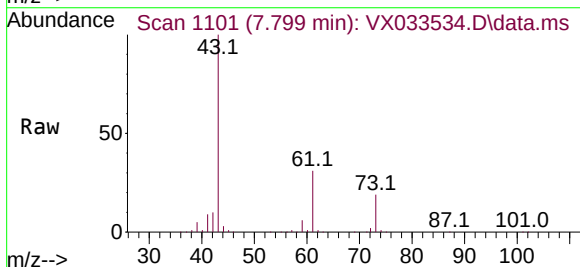
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

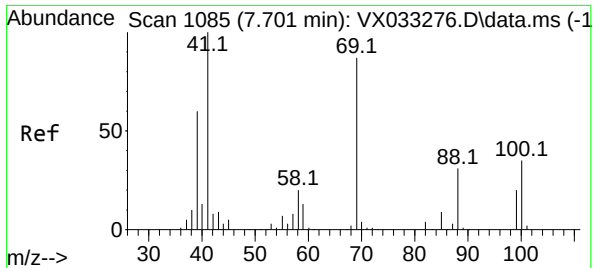
Tgt Ion: 43 Resp: 69006
Ion Ratio Lower Upper
43 100
61 21.5 15.4 23.0
87 15.8 10.8 16.2



#48
Methyl methacrylate
Concen: 37.011 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 41 Resp: 60817
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 49.9 51.9 77.9#





#49

1,4-Dioxane

Concen: 0.667 ug/l

RT: 7.787 min Scan# 1085

Delta R.T. 0.086 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

TCLP-VOC-8-3051

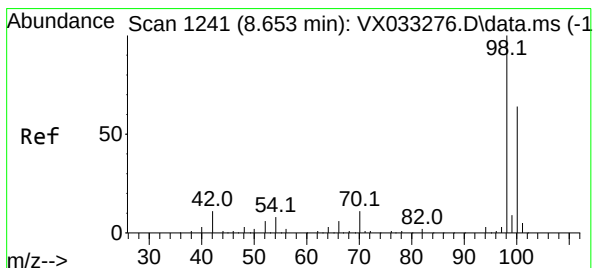
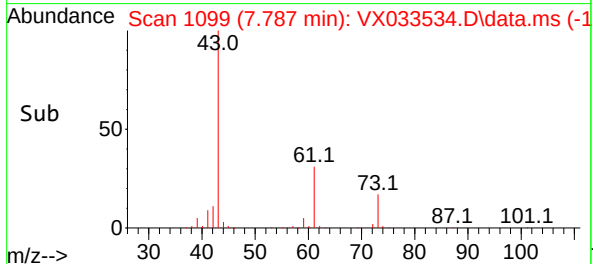
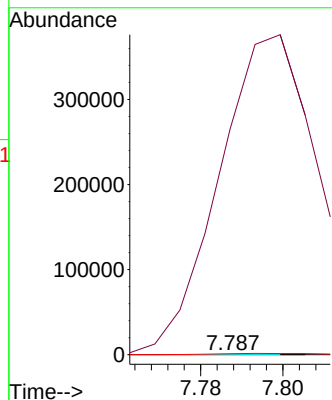
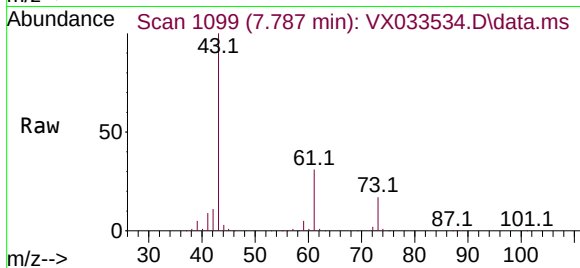
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 51.7 77.5#



#50

Toluene-d8

Concen: 47.837 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033534.D

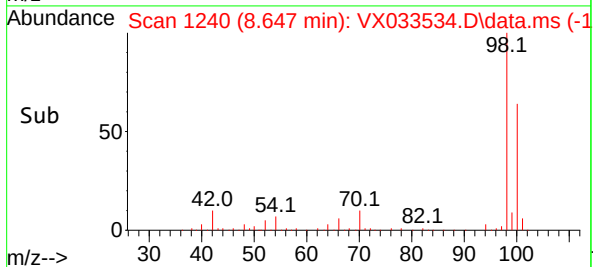
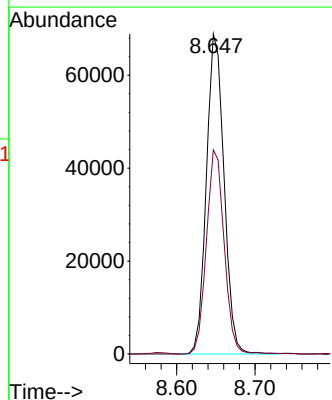
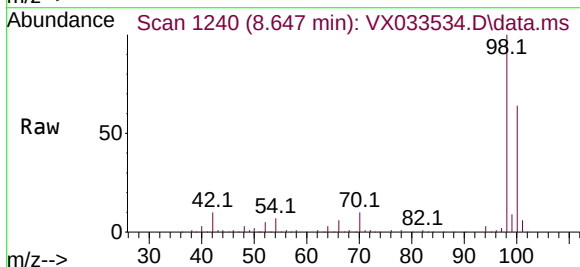
Acq: 21 Dec 2022 15:05

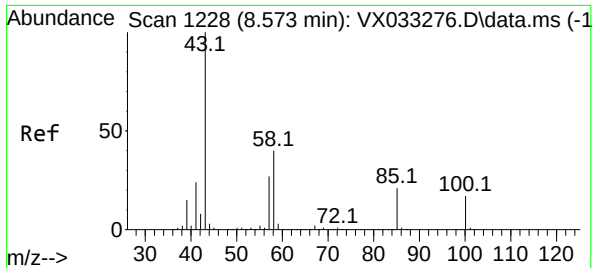
Tgt Ion: 98 Resp: 107446

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

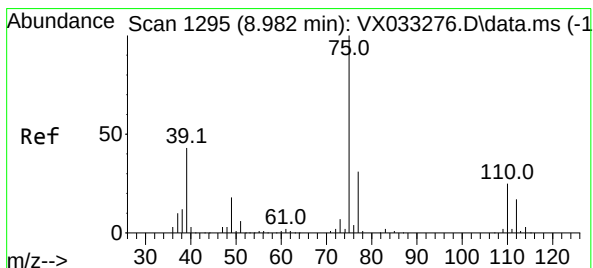
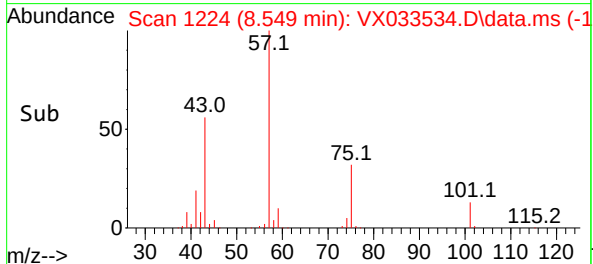
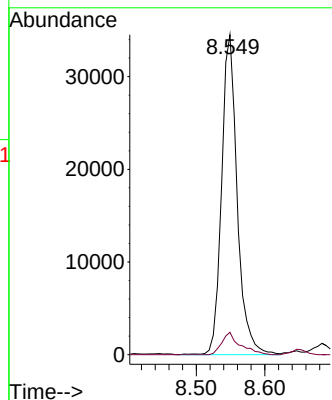
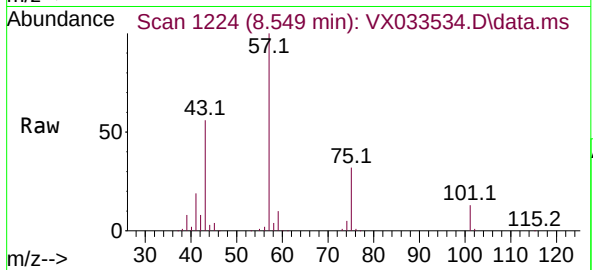




#51
4-Methyl-2-Pentanone
Concen: 27.089 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

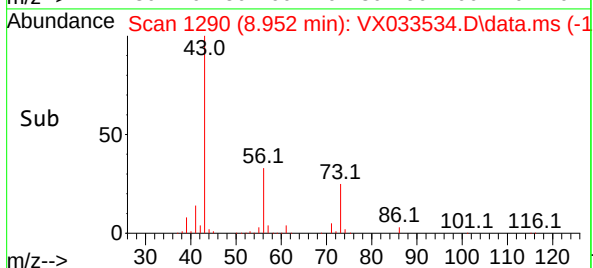
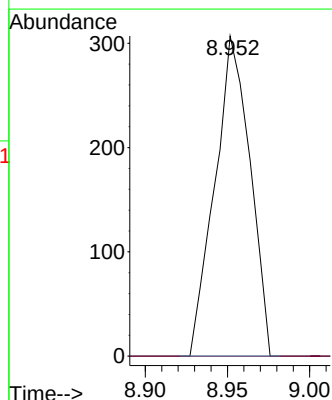
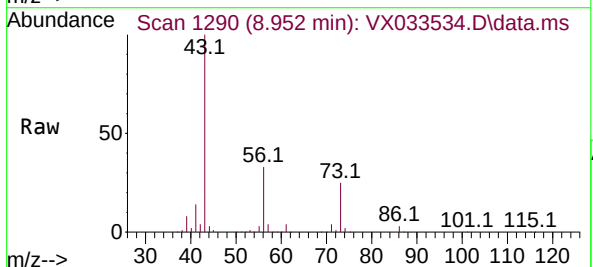
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

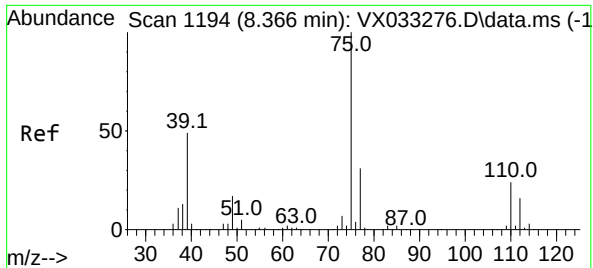
Tgt Ion: 43 Resp: 54542
Ion Ratio Lower Upper
43 100
58 8.2 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.680 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 75 Resp: 457
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

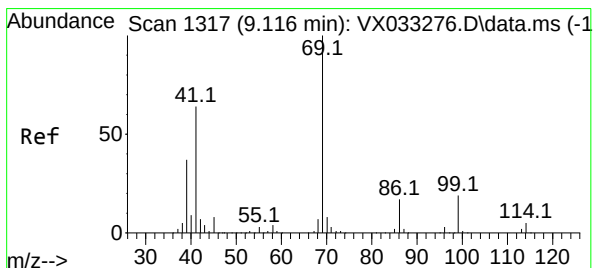
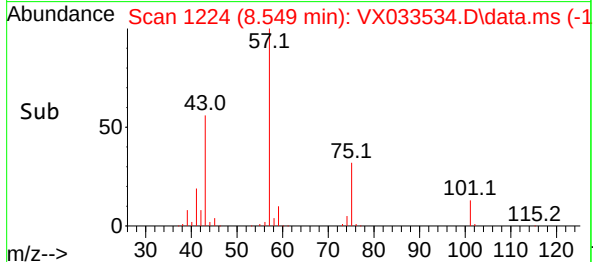
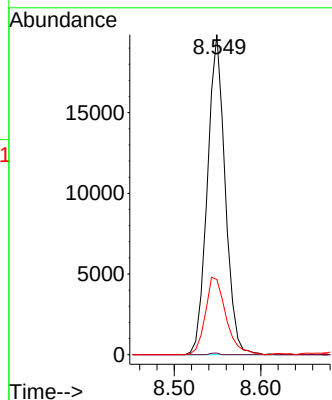
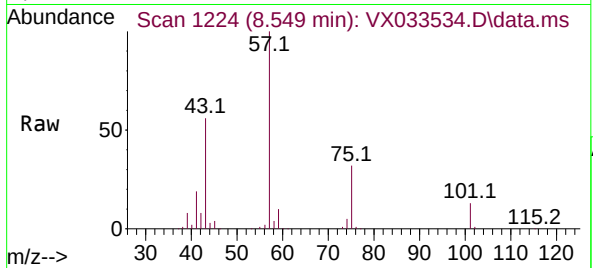




#54
 cis-1,3-Dichloropropene
 Concen: 11.457 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033534.D
 Acq: 21 Dec 2022 15:05

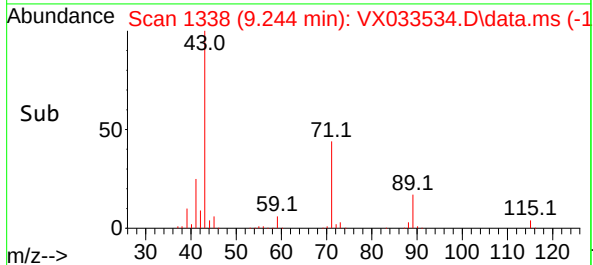
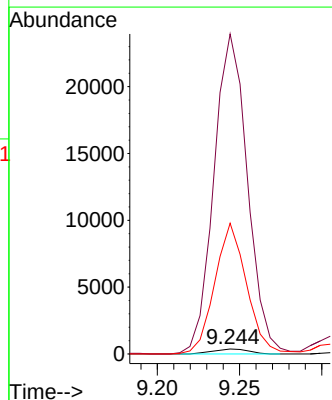
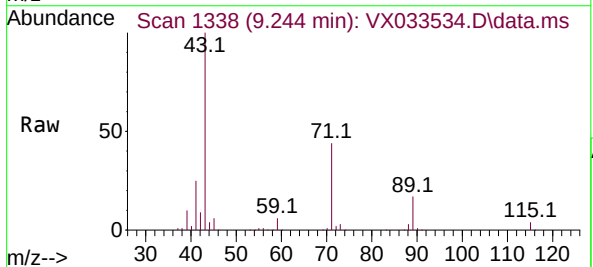
Instrument :
 MSVOA_X
 ClientSampleId :
 TCLP-VOC-8-3051

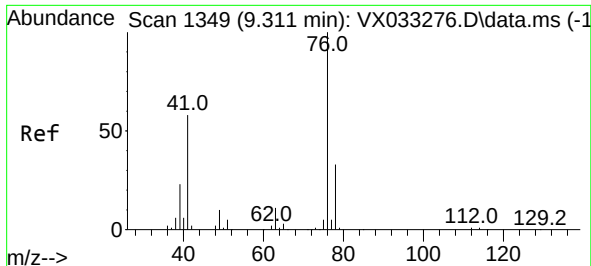
Tgt Ion: 75 Resp: 28259
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 23.5 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.240 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033534.D
 Acq: 21 Dec 2022 15:05

Tgt Ion: 69 Resp: 560
 Ion Ratio Lower Upper
 69 100
 41 6098.4 54.3 81.5#
 39 2362.5 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.394 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033534.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

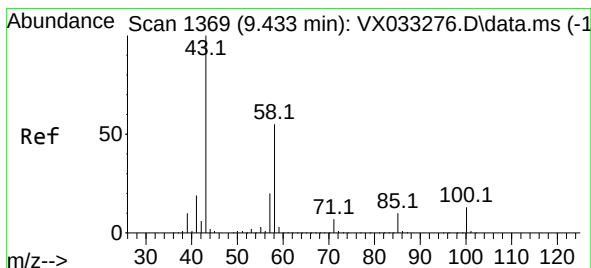
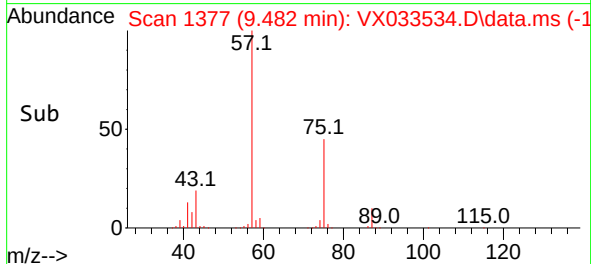
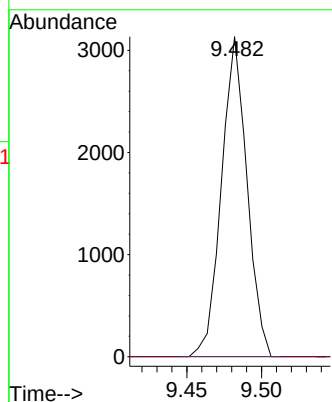
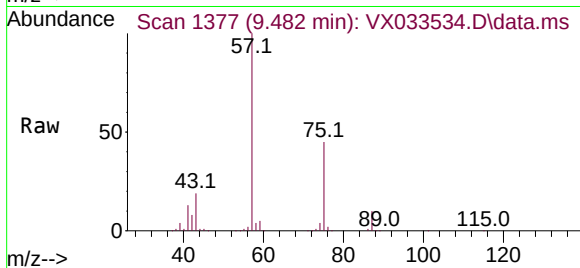
TCLP-VOC-8-3051

Tgt Ion: 76 Resp: 3715

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 30.985 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033534.D

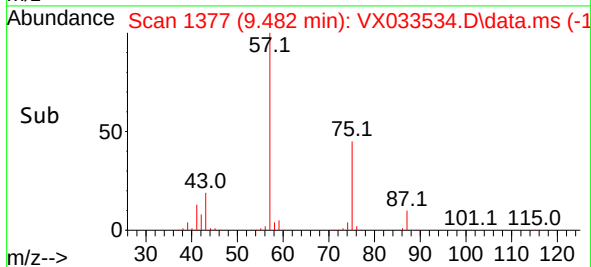
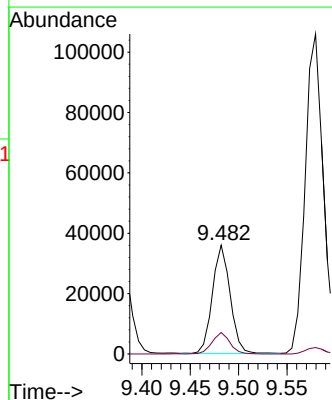
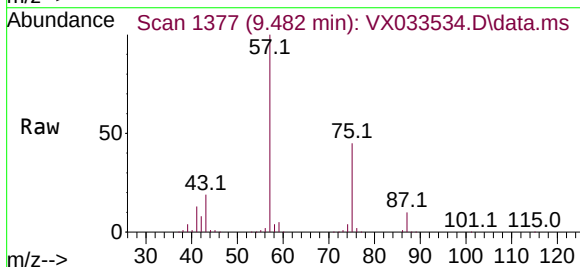
Acq: 21 Dec 2022 15:05

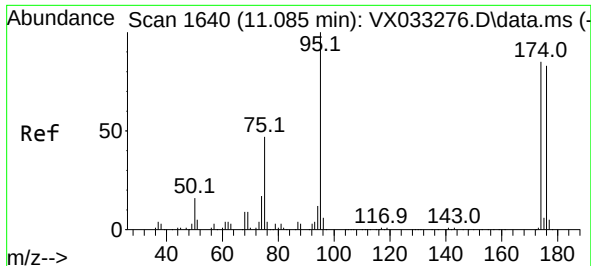
Tgt Ion: 43 Resp: 45975

Ion Ratio Lower Upper

43 100

58 19.8 26.5 79.5#

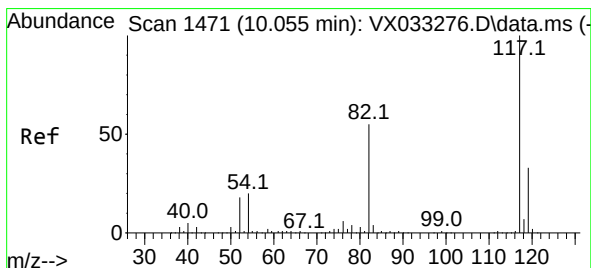
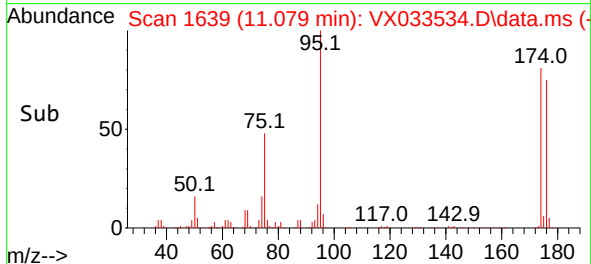
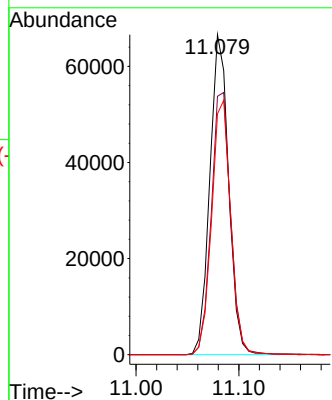
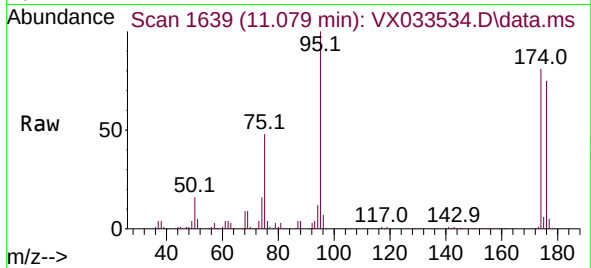




#62
4-Bromofluorobenzene
Concen: 49.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

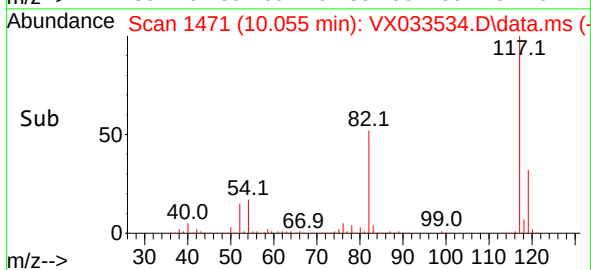
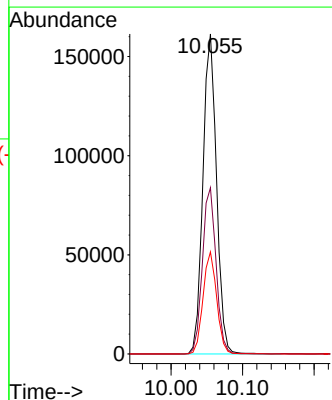
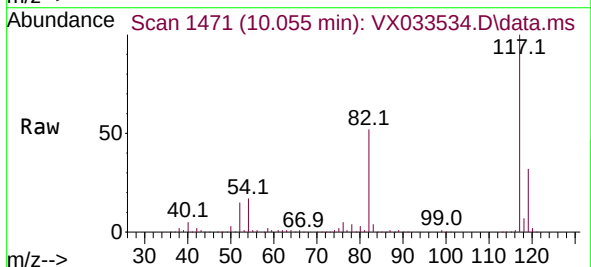
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

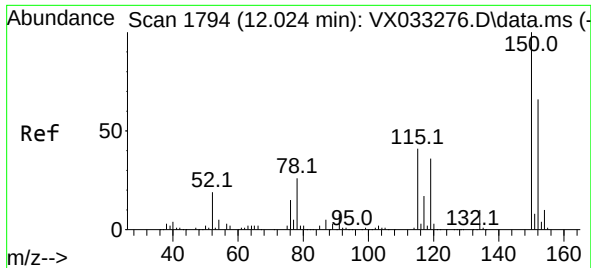
Tgt Ion: 95 Resp: 84643
Ion Ratio Lower Upper
95 100
174 84.4 0.0 164.0
176 80.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 117 Resp: 213136
Ion Ratio Lower Upper
117 100
82 51.9 44.3 66.5
119 31.9 25.7 38.5

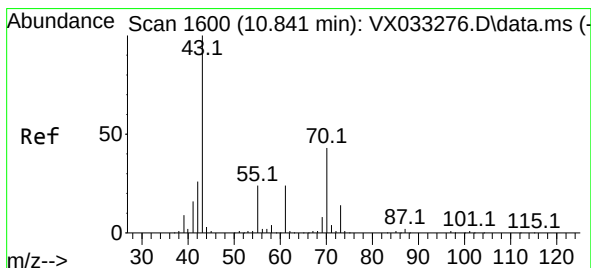
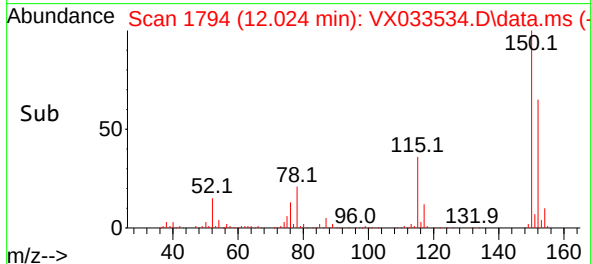
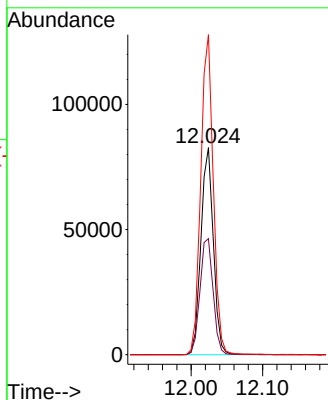
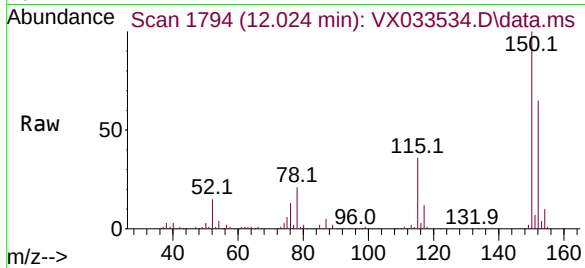




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

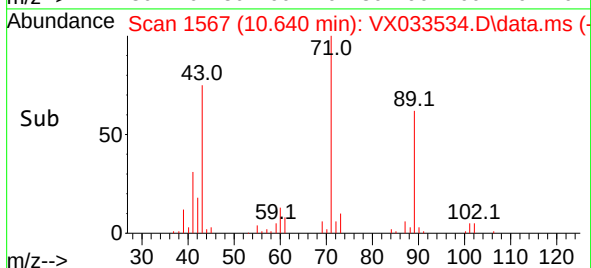
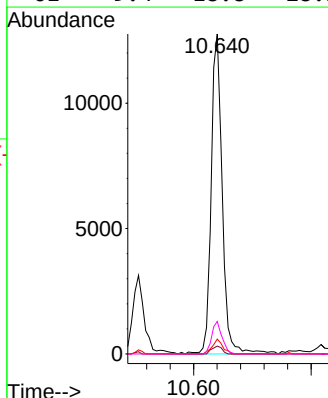
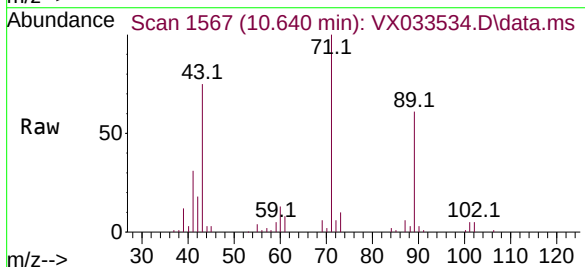
Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

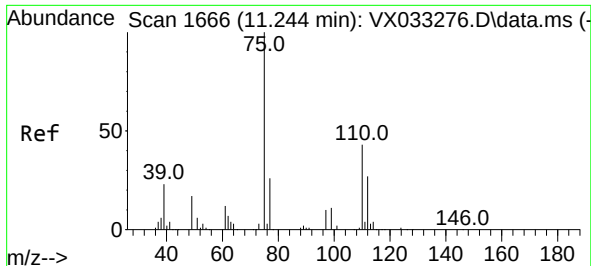
Tgt Ion:152 Resp: 99964
Ion Ratio Lower Upper
152 100
115 59.2 44.0 132.0
150 155.6 0.0 351.8



#74
N-ethyl acetate
Concen: 6.767 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 43 Resp: 16729
Ion Ratio Lower Upper
43 100
70 2.3 33.6 50.4#
55 4.3 19.4 29.2#
61 9.4 18.8 28.2#

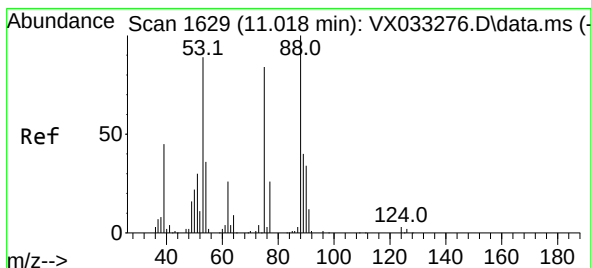
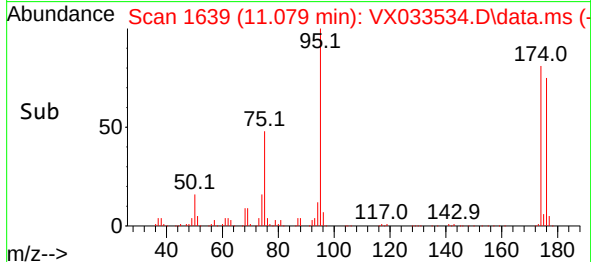
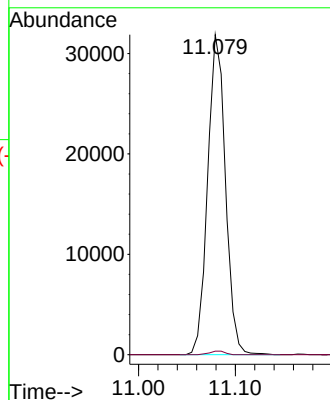
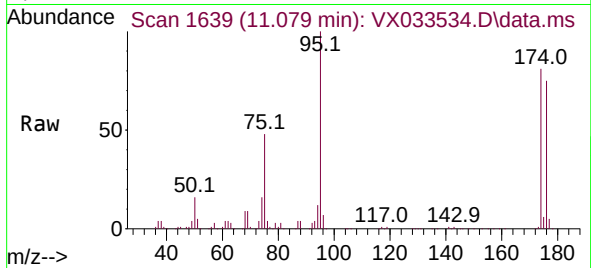




#76
1,2,3-Trichloropropane
Concen: 20.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Instrument :
MSVOA_X
ClientSampleId :
TCLP-VOC-8-3051

Tgt Ion: 75 Resp: 40861
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033534.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 75 Resp: 40861
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

