

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075511.D
 Acq On : 30 Nov 2022 19:03
 Operator : JC\MD
 Sample : N5807-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-1

Quant Time: Dec 01 02:19:15 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

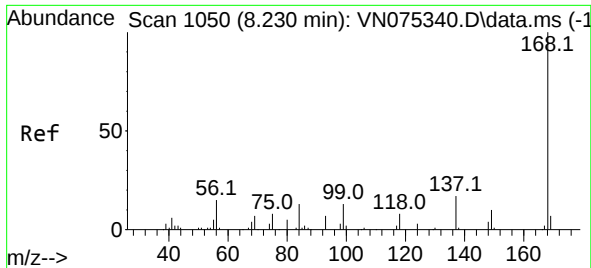
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	115150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	204440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	189492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	38717	62.638	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.280%#	
35) Dibromofluoromethane	8.171	113	48287	60.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 120.260%	
50) Toluene-d8	10.565	98	100454	55.536	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.080%	
62) 4-Bromofluorobenzene	12.847	95	73297	54.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	705	2.717	ug/l #	72
16) Acetone	4.447	43	13915	24.135	ug/l	98
18) Methyl Acetate	5.041	43	5610	2.633	ug/l	99
20) Methylene Chloride	5.289	84	6974	4.809	ug/l #	73
25) 2-Butanone	7.500	43	1266	1.573	ug/l #	43
29) Tetrahydrofuran	7.853	42	423	0.864	ug/l #	46
31) Cyclohexane	8.235	56	1945	0.990	ug/l #	31
36) 1,1-Dichloropropene	8.229	75	8427	4.812	ug/l #	51
37) Ethyl Acetate	7.565	43	20463	12.976	ug/l	99
38) Carbon Tetrachloride	8.229	117	11800	6.133	ug/l #	15
42) 1,2-Dichloroethane	8.653	62	435	0.242	ug/l #	75
43) Isopropyl Acetate	8.694	43	222065	87.728	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1410	1.103	ug/l #	42
48) Methyl methacrylate	9.747	41	82866	70.798	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	3554	2.204	ug/l	97
53) t-1,3-Dichloropropene	10.735	75	749	0.399	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39861	19.531	ug/l #	61
56) Ethyl methacrylate	10.982	69	998	0.525	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5105	2.225	ug/l #	42
59) 2-Hexanone	11.170	43	76030	62.802	ug/l #	21
74) N-amyl acetate	12.494	43	692	0.418	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	36120	25.943	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36120	76.758	ug/l #	10

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

Quant Time: Dec 01 02:19:15 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

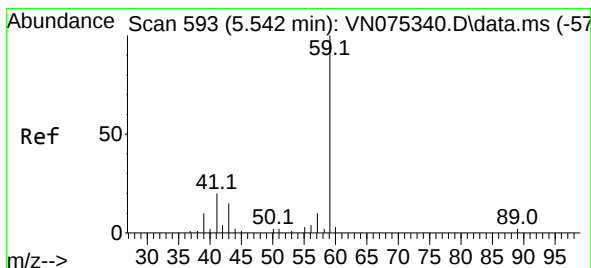
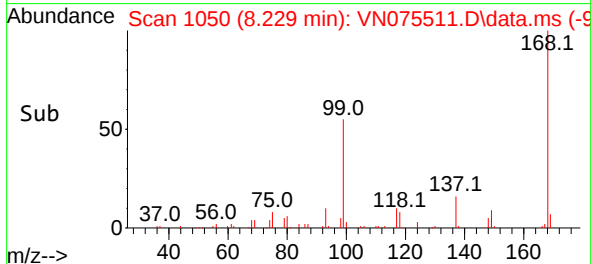
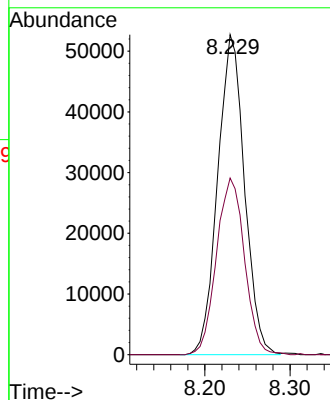
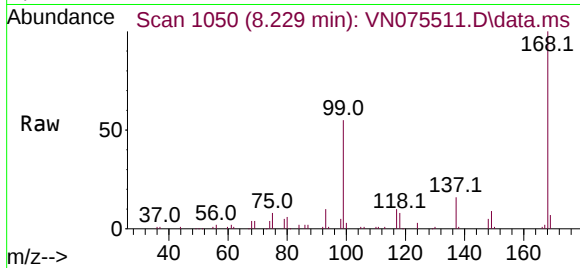




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

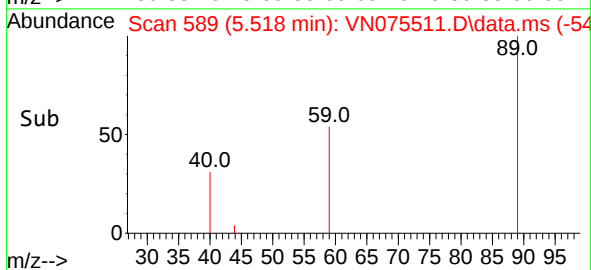
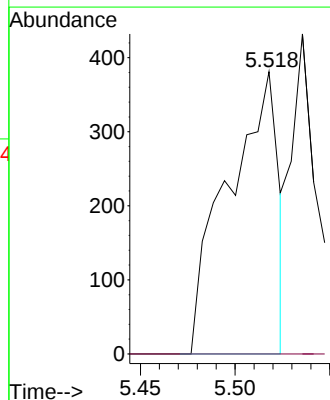
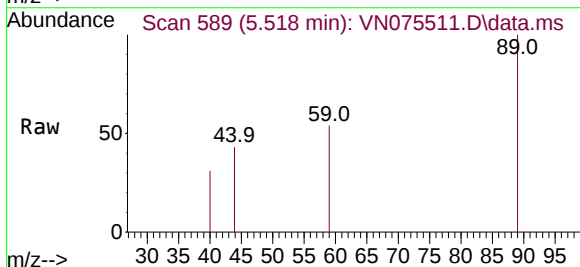
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

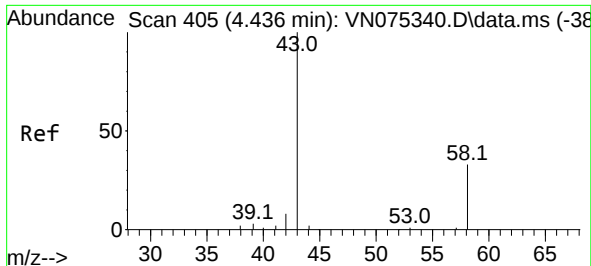
Tgt Ion:168 Resp: 115150
Ion Ratio Lower Upper
168 100
99 55.2 51.6 77.4



#11
Tert butyl alcohol
Concen: 2.717 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 59 Resp: 705
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 24.135 ug/l

RT: 4.447 min Scan# 405

Delta R.T. 0.011 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

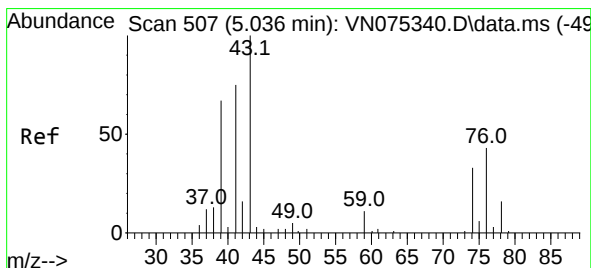
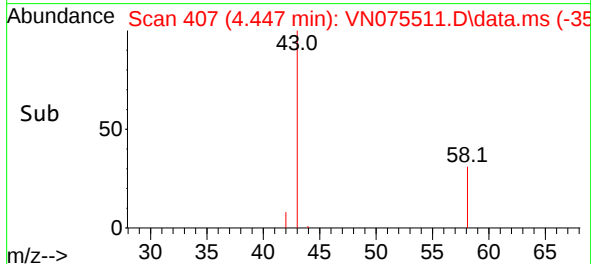
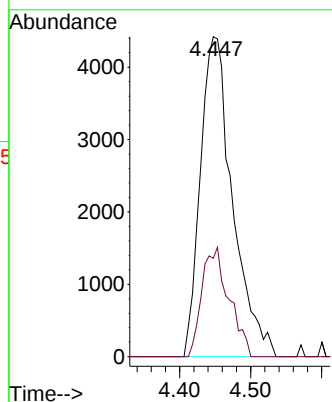
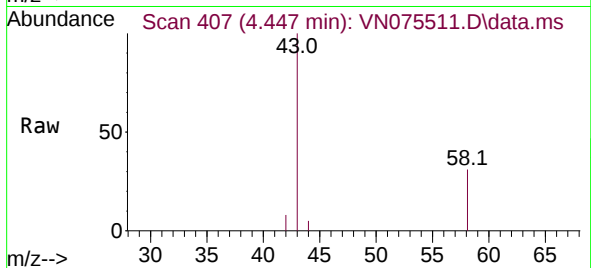
TCLP-VOC-1

Tgt Ion: 43 Resp: 13915

Ion Ratio Lower Upper

43 100

58 30.7 25.5 38.3



#18

Methyl Acetate

Concen: 2.633 ug/l

RT: 5.041 min Scan# 508

Delta R.T. 0.005 min

Lab File: VN075511.D

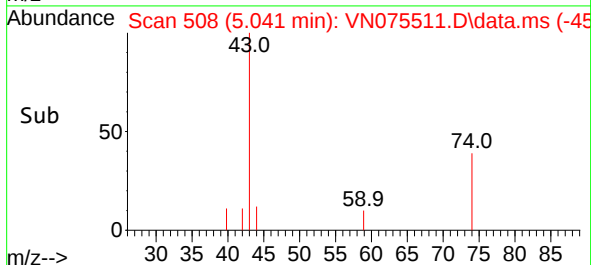
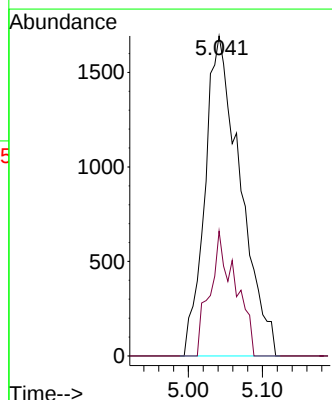
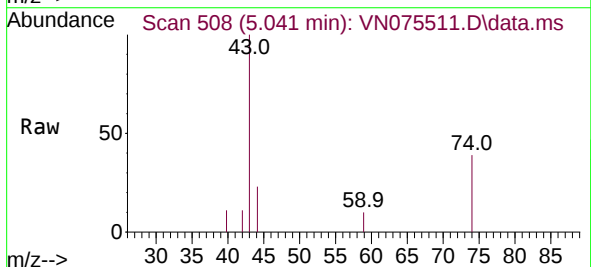
Acq: 30 Nov 2022 19:03

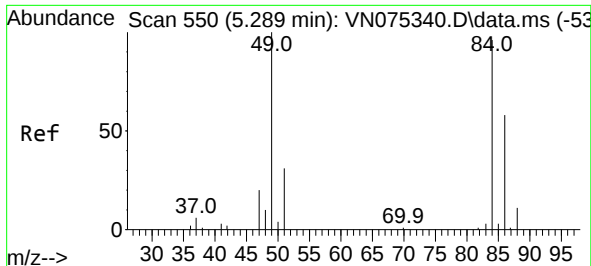
Tgt Ion: 43 Resp: 5610

Ion Ratio Lower Upper

43 100

74 28.1 22.0 33.0

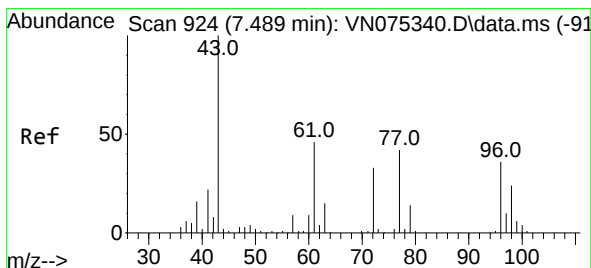
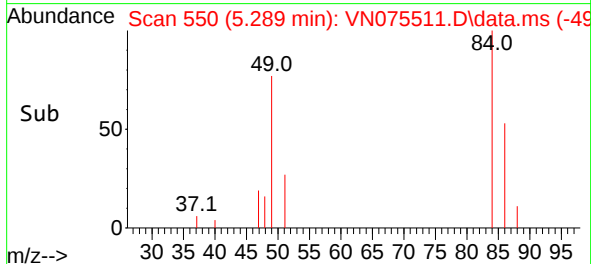
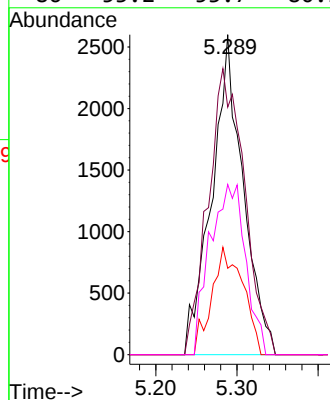
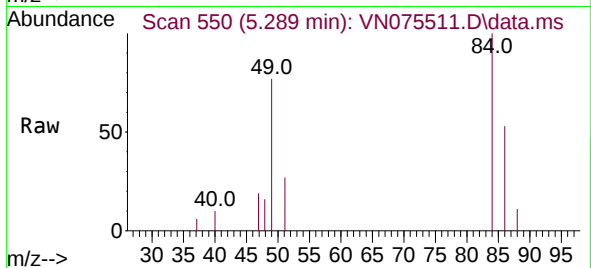




#20
Methylene Chloride
Concen: 4.809 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

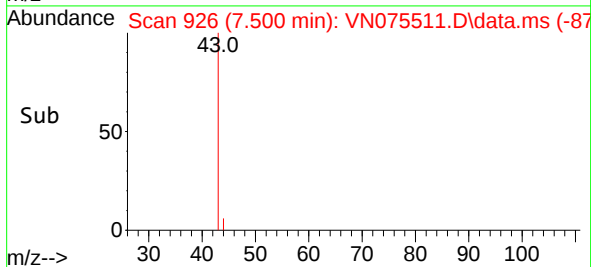
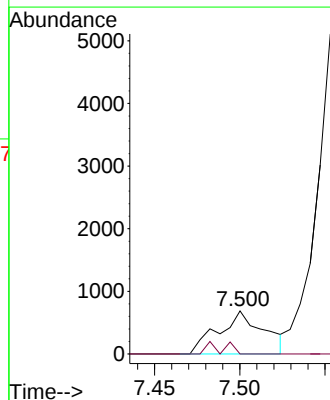
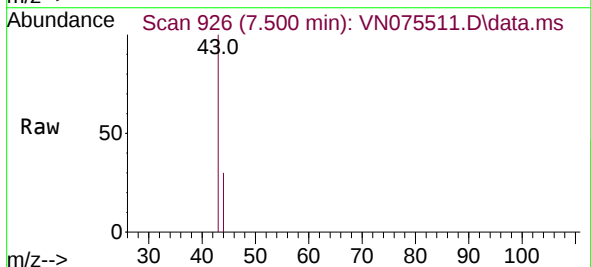
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

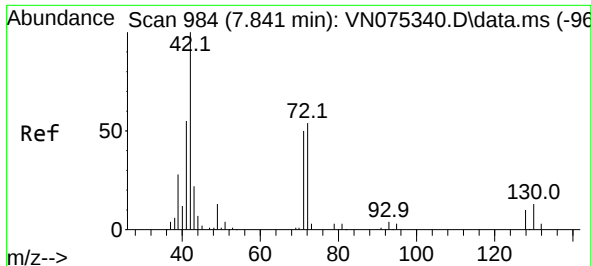
Tgt Ion: 84	Resp: 6974
Ion Ratio	Lower Upper
84 100	
49 77.3	94.9 142.3#
51 27.0	26.8 40.2
86 53.2	53.7 80.5#



#25
2-Butanone
Concen: 1.573 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 43	Resp: 1266
Ion Ratio	Lower Upper
43 100	
72 0.0	25.5 38.3#

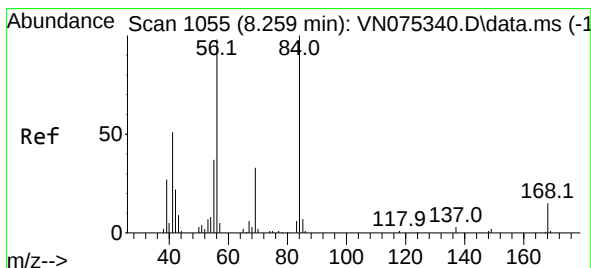
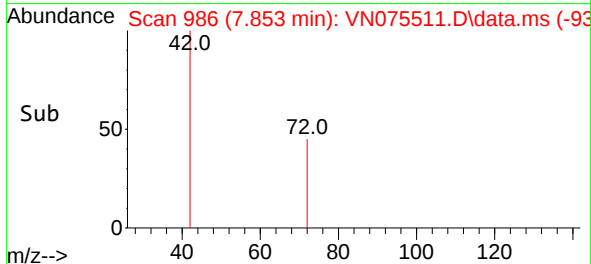
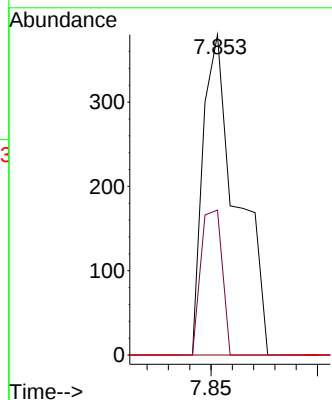
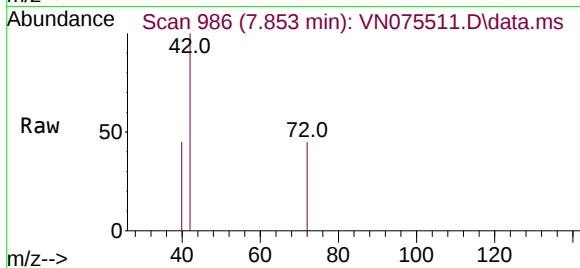




#29
Tetrahydrofuran
Concen: 0.864 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

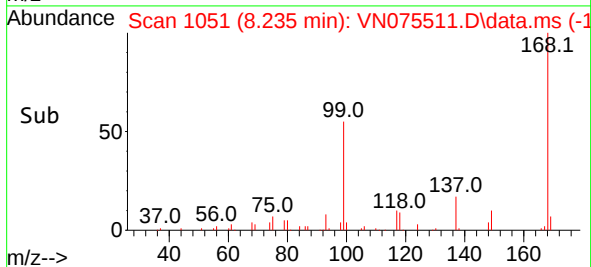
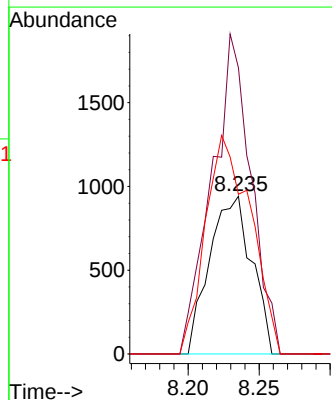
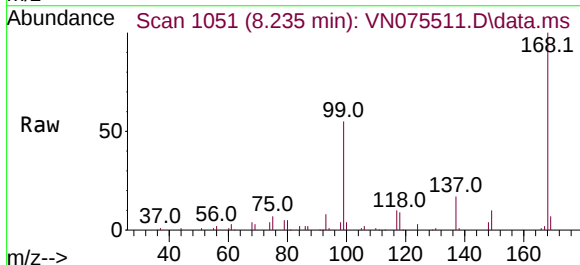
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

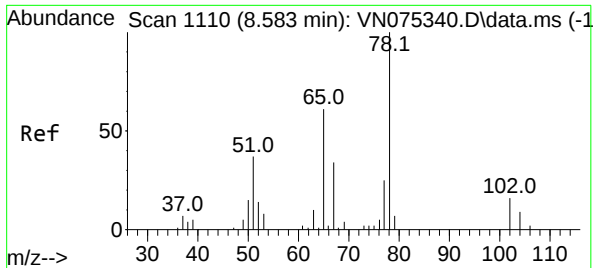
Tgt Ion: 42 Resp: 423
Ion Ratio Lower Upper
42 100
72 28.1 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 0.990 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 181.4 25.2 37.8#
84 101.2 77.8 116.8

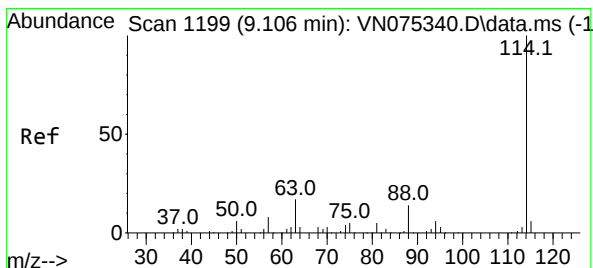
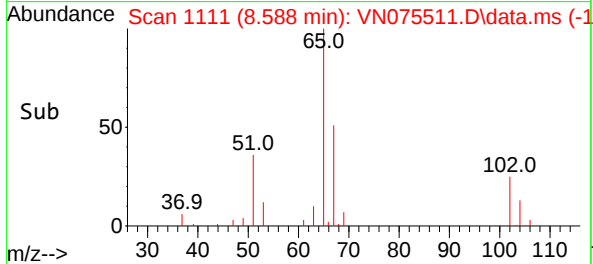
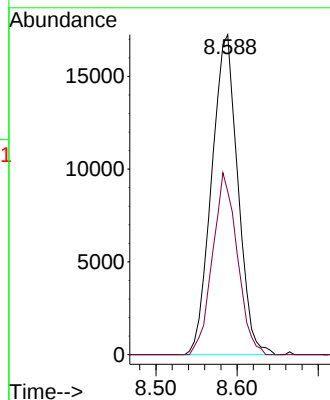
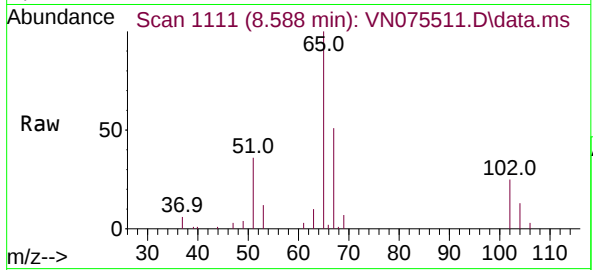




#33
1,2-Dichloroethane-d4
Concen: 62.638 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

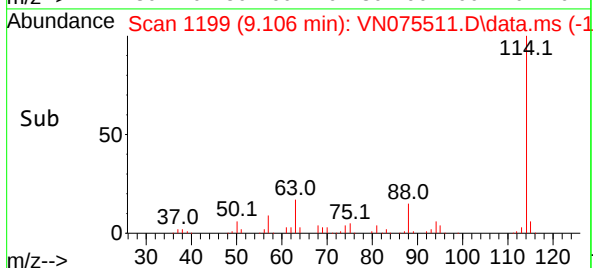
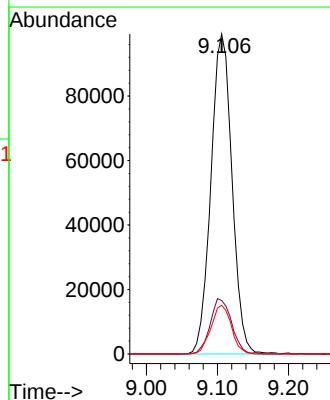
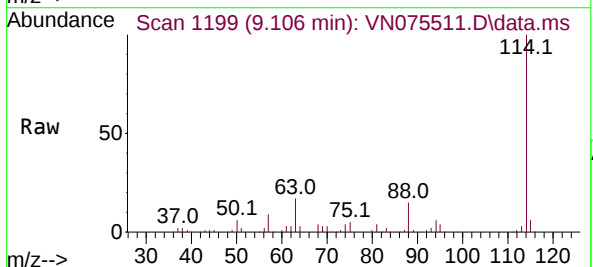
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

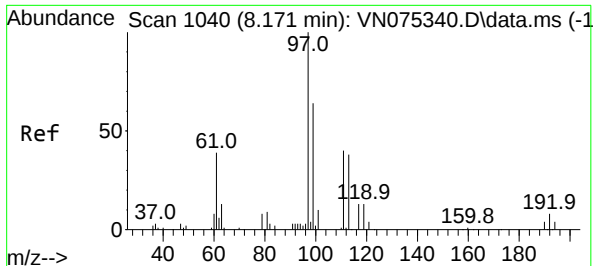
Tgt Ion: 65 Resp: 38717
Ion Ratio Lower Upper
65 100
67 53.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 114 Resp: 204440
Ion Ratio Lower Upper
114 100
63 16.7 0.0 39.6
88 15.2 0.0 29.0

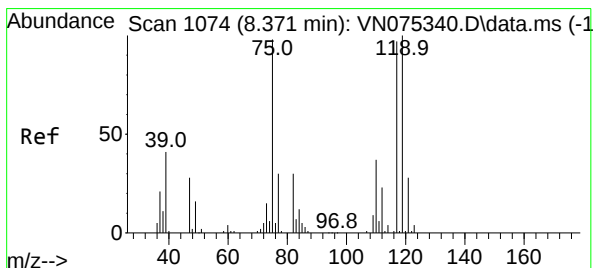
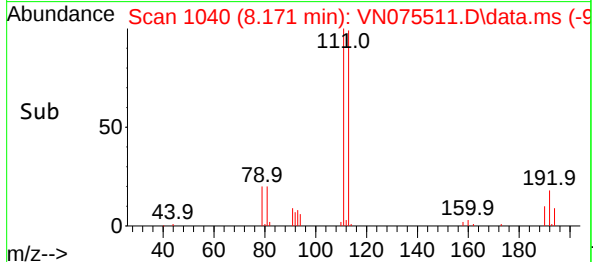
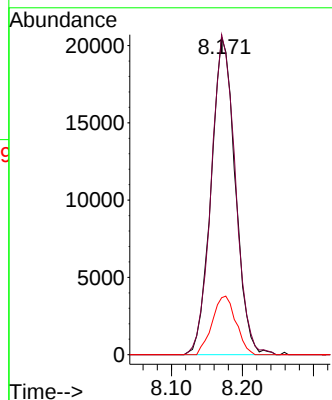
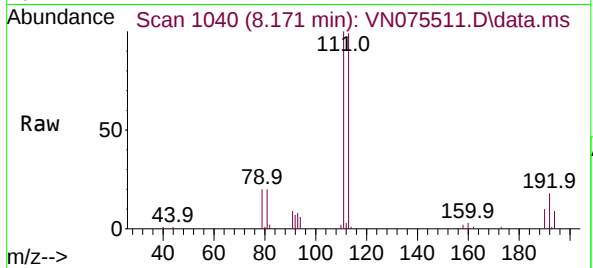




#35
Dibromofluoromethane
Concen: 60.125 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

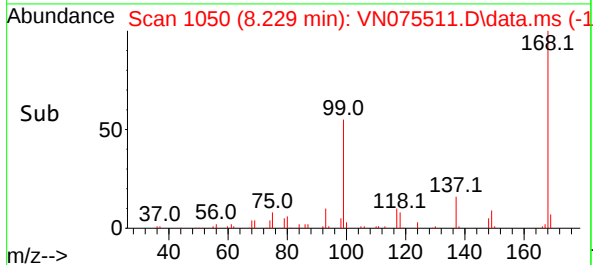
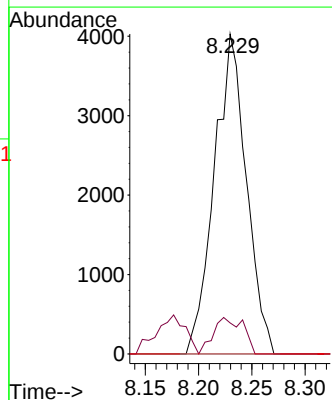
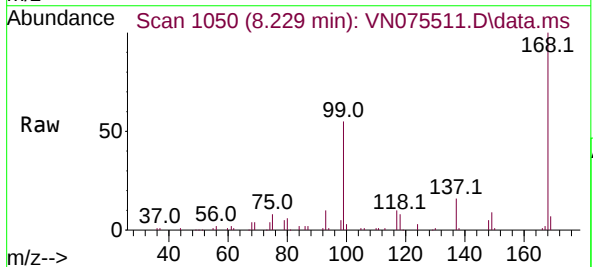
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ClientSampleId :
TCLP-VOC-1

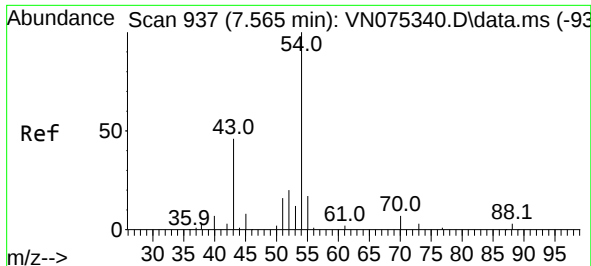
Tgt Ion:113 Resp: 48287
Ion Ratio Lower Upper
113 100
111 100.8 80.5 120.7
192 18.1 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 75 Resp: 8427
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 12.976 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

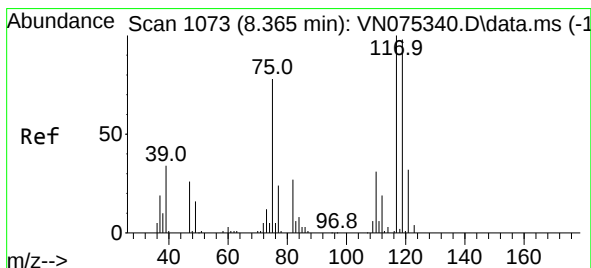
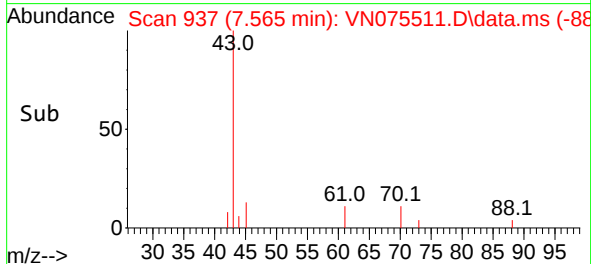
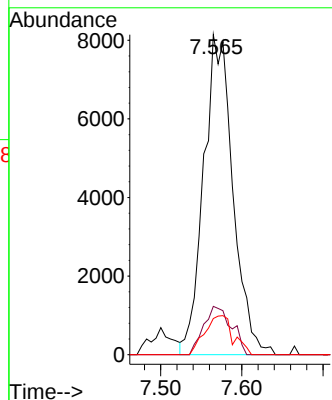
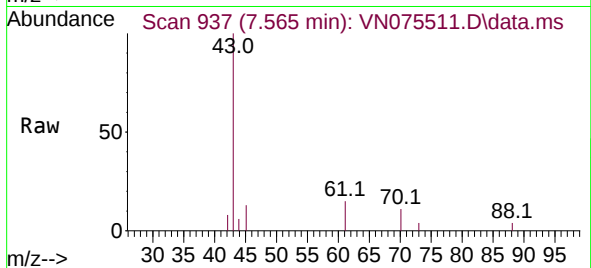
Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-1

Tgt Ion:	43	Resp:	20463
Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.2	18.4
70	11.8	9.4	14.2



#38

Carbon Tetrachloride

Concen: 6.133 ug/l

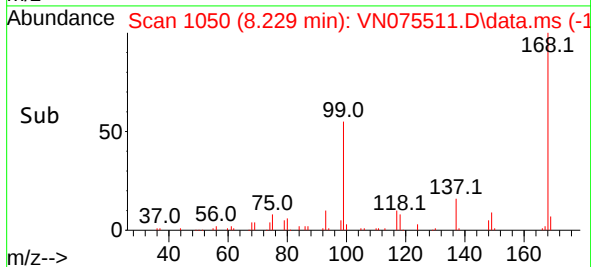
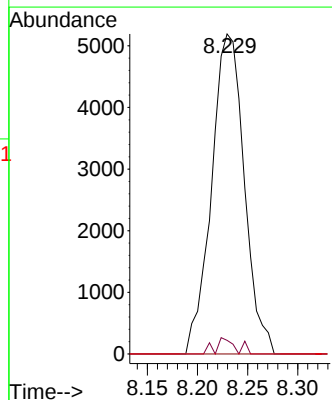
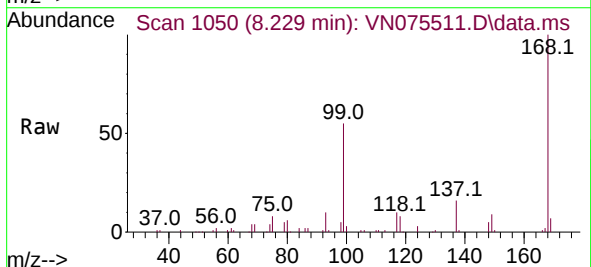
RT: 8.229 min Scan# 1050

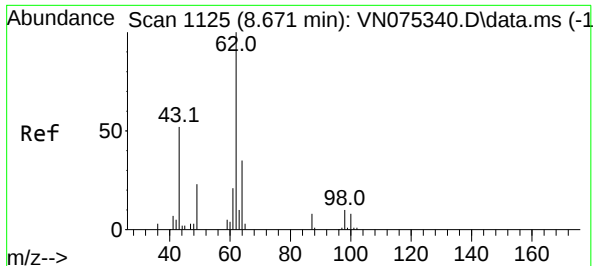
Delta R.T. -0.136 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

Tgt Ion:	117	Resp:	11800
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.242 ug/l

RT: 8.653 min Scan# 1122

Delta R.T. -0.018 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

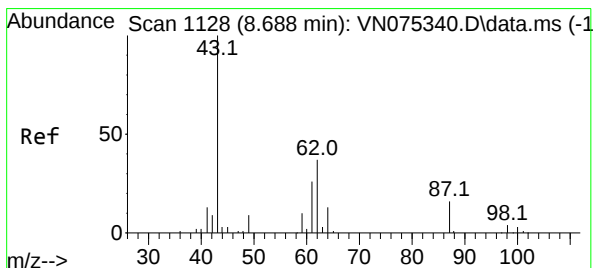
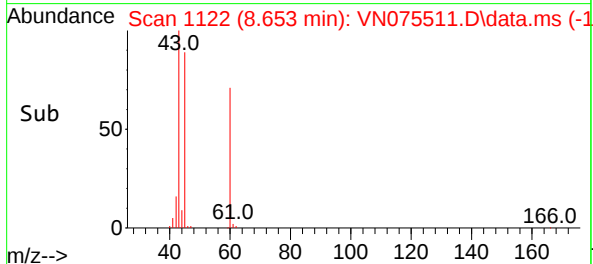
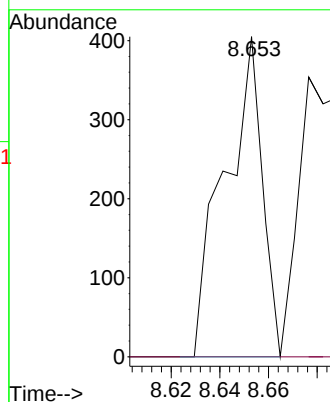
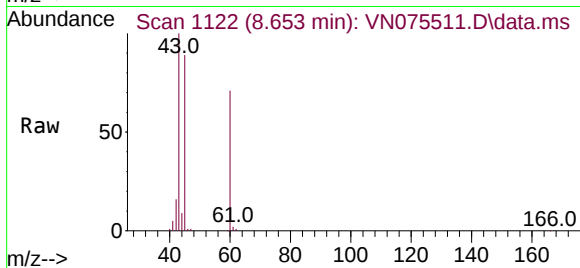
TCLP-VOC-1

Tgt Ion: 62 Resp: 435

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 87.728 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

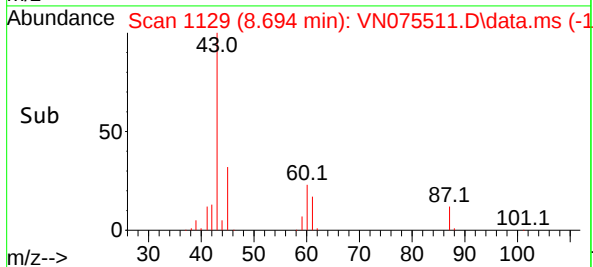
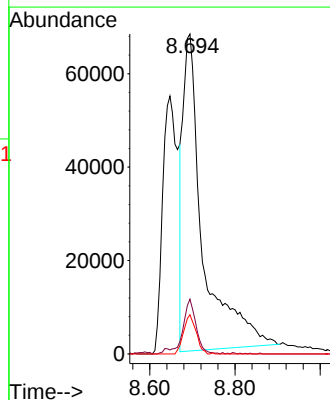
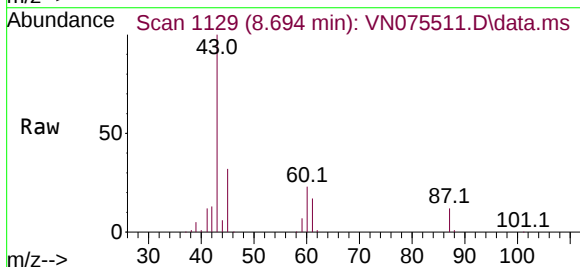
Tgt Ion: 43 Resp: 222065

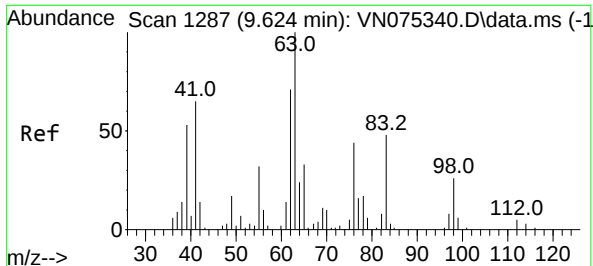
Ion Ratio Lower Upper

43 100

61 11.0 22.4 33.6#

87 7.6 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 1.103 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

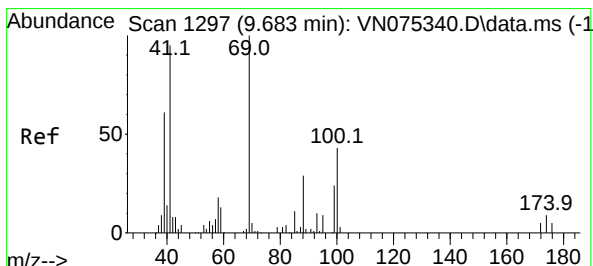
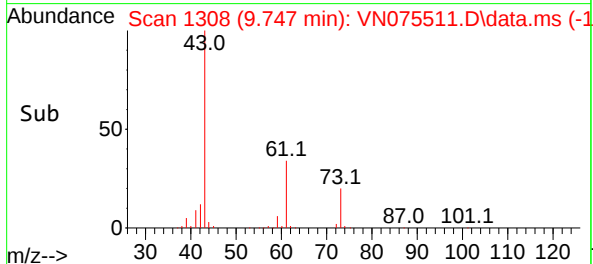
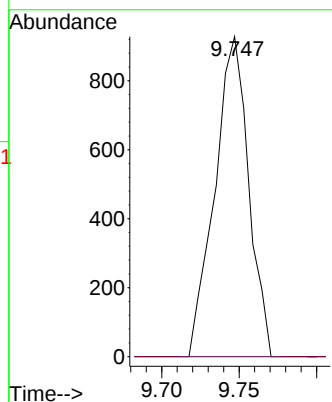
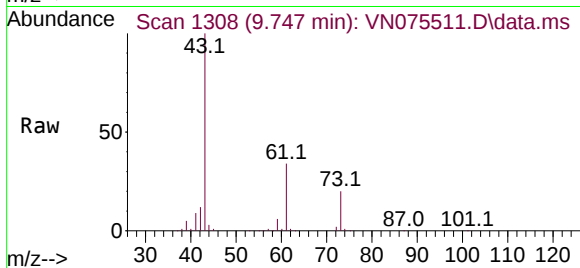
TCLP-VOC-1

Tgt Ion: 63 Resp: 1410

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 70.798 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.064 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

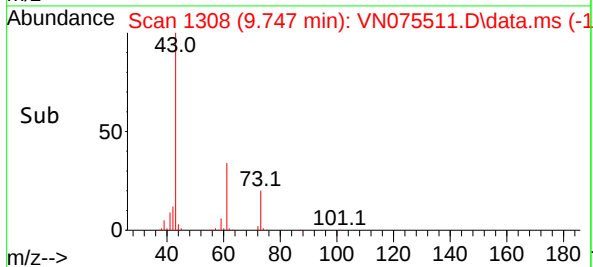
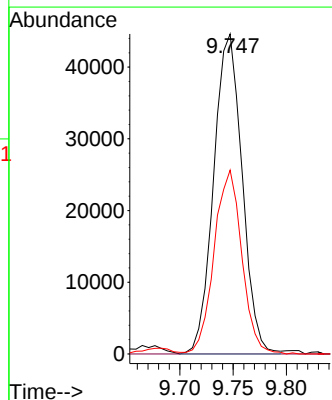
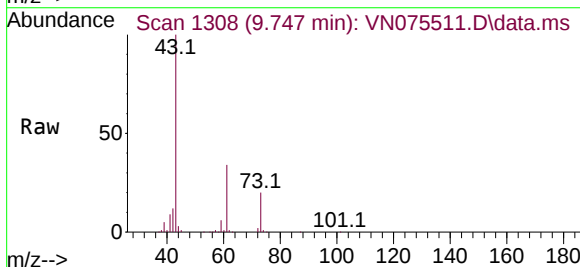
Tgt Ion: 41 Resp: 82866

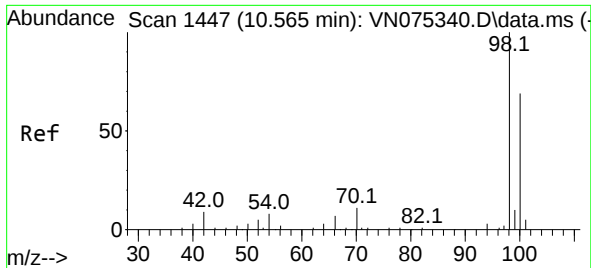
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.0 56.2 84.2#

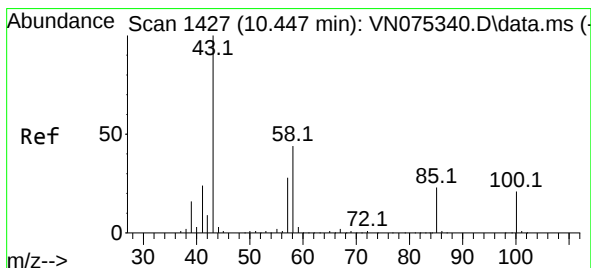
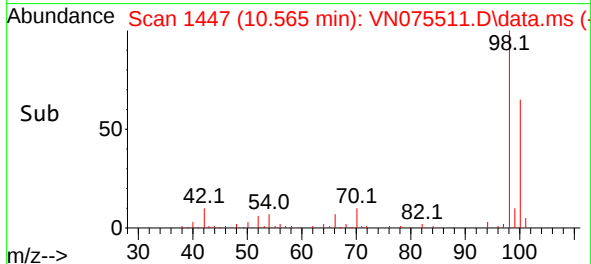
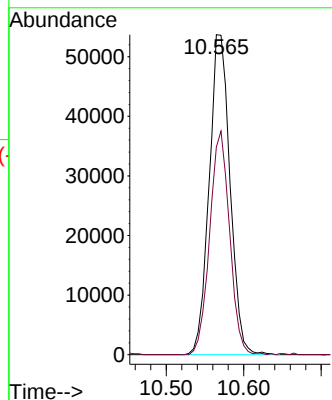
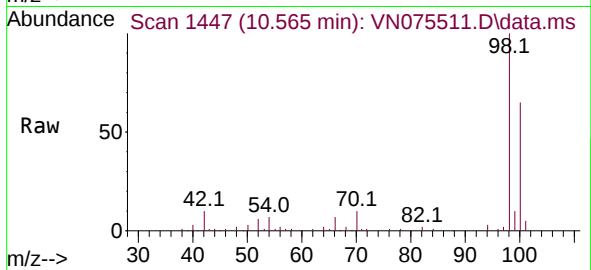




#50
Toluene-d8
Concen: 55.536 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

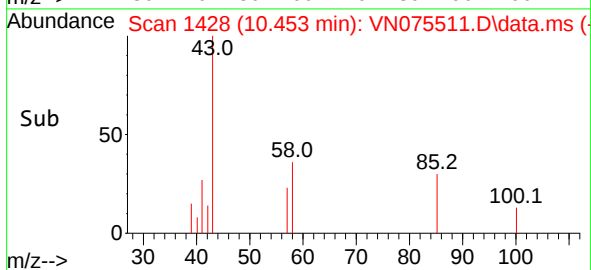
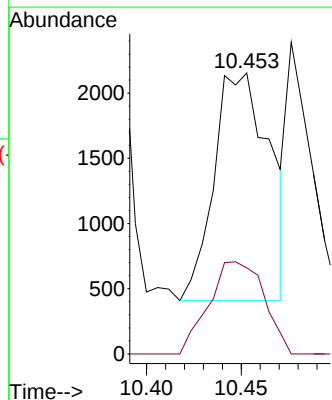
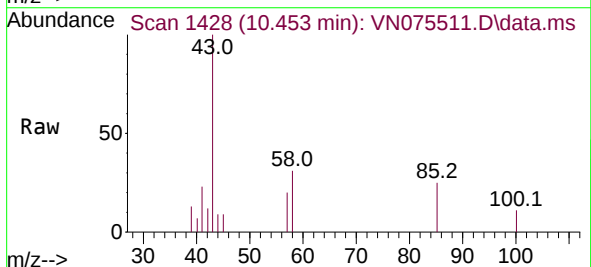
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

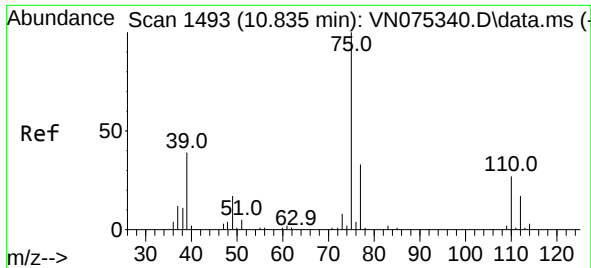
Tgt Ion: 98 Resp: 100454
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.204 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 43 Resp: 3554
Ion Ratio Lower Upper
43 100
58 40.3 33.6 50.4

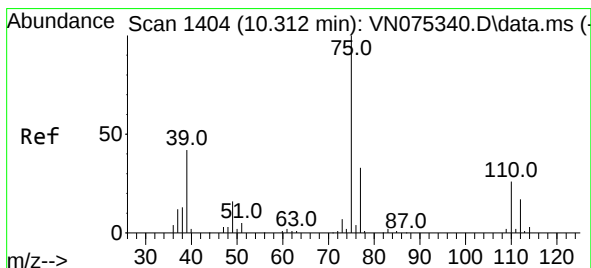
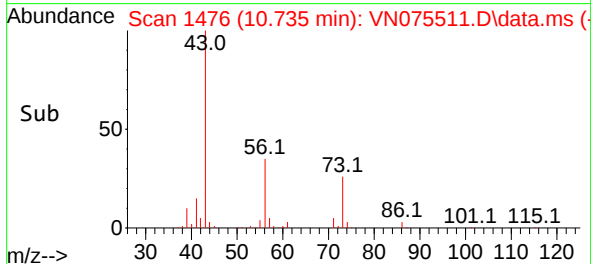
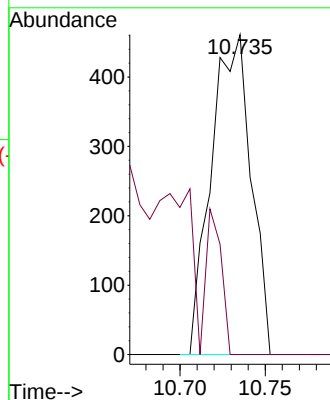
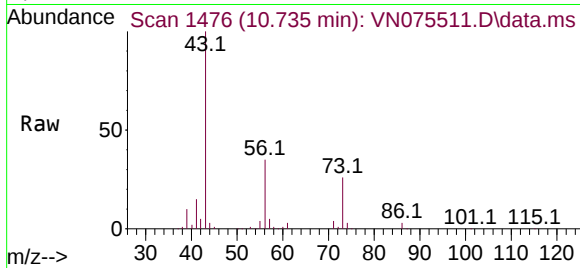




#53
 t-1,3-Dichloropropene
 Concen: 0.399 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN075511.D
 Acq: 30 Nov 2022 19:03

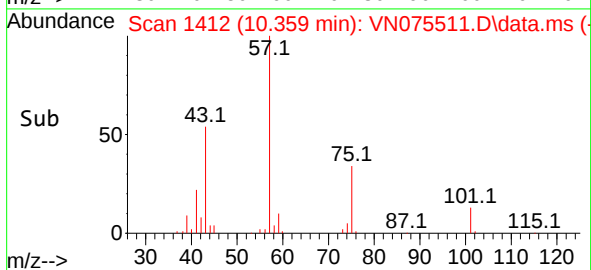
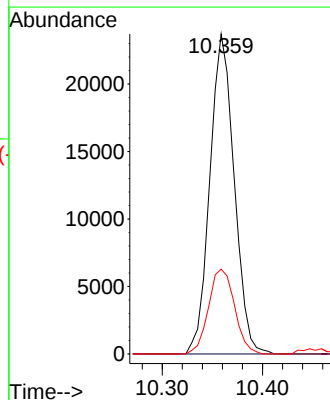
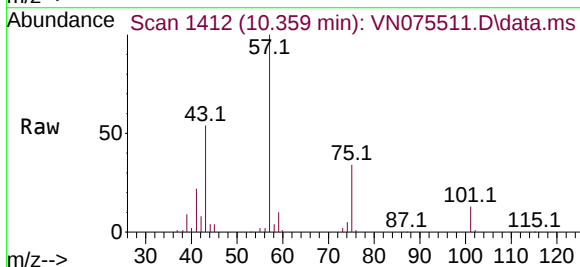
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-1

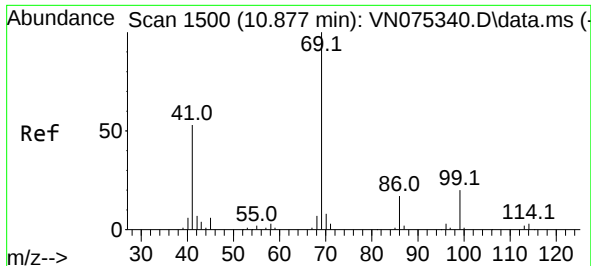
Tgt Ion: 75 Resp: 749
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 19.531 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075511.D
 Acq: 30 Nov 2022 19:03

Tgt Ion: 75 Resp: 39861
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.5 35.8 53.6#

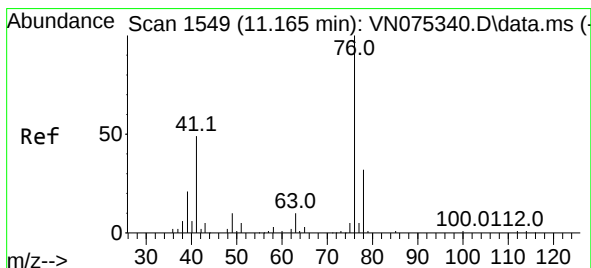
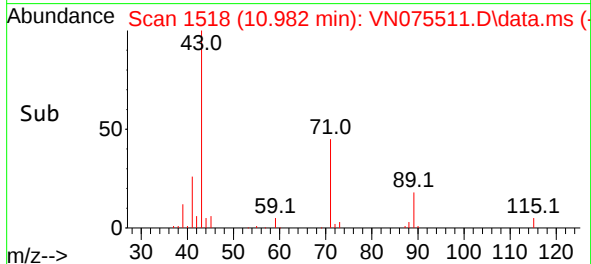
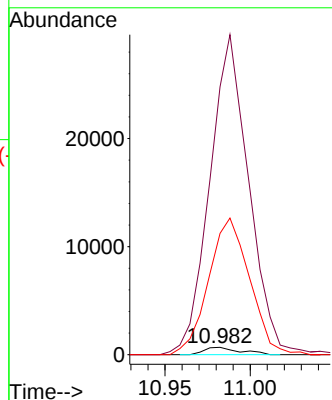
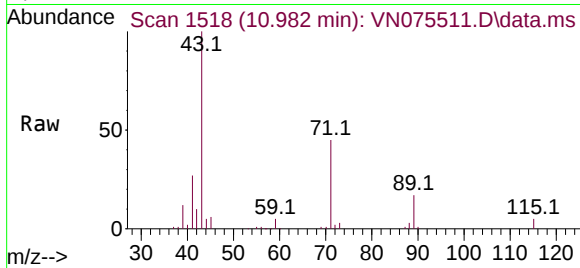




#56
Ethyl methacrylate
Concen: 0.525 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.105 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

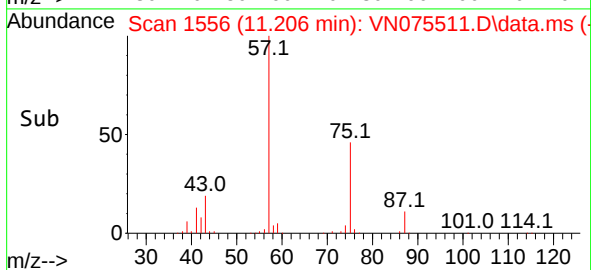
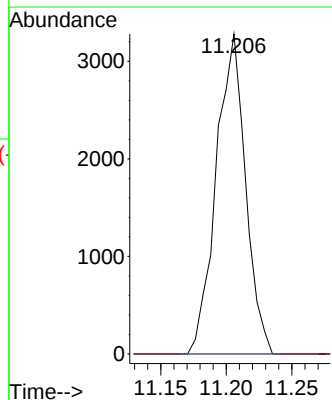
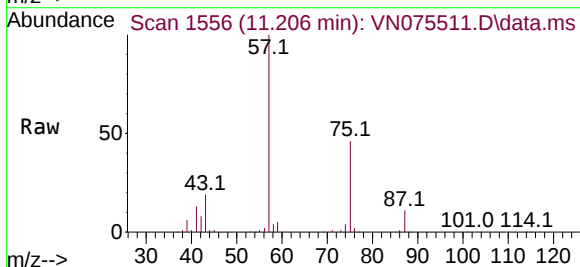
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

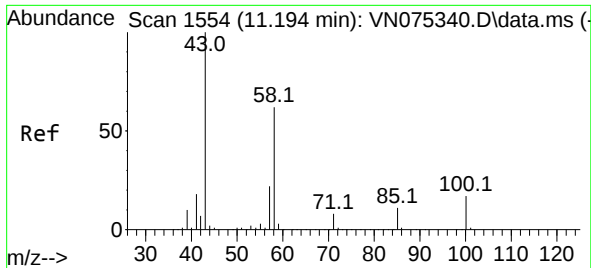
Tgt Ion: 69 Resp: 998
Ion Ratio Lower Upper
69 100
41 4762.2 45.6 68.4#
39 2126.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.225 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 76 Resp: 5105
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

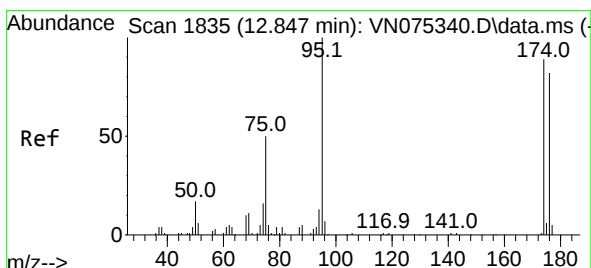
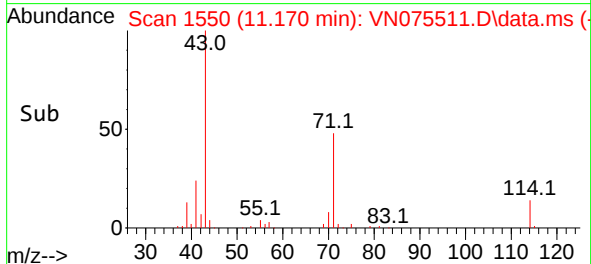
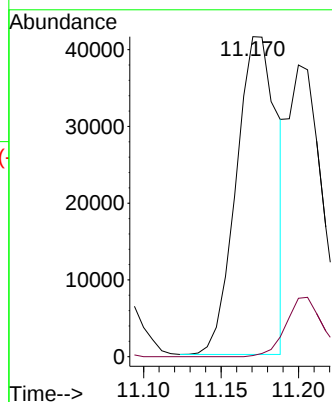
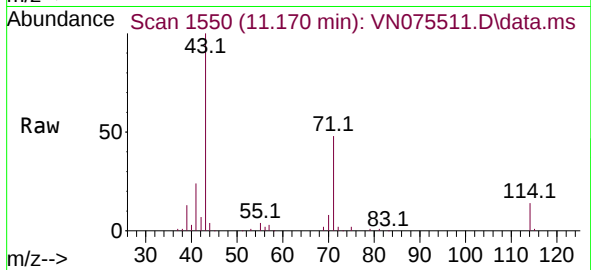




#59
2-Hexanone
Concen: 62.802 ug/l
RT: 11.170 min Scan# 1150
Delta R.T. -0.024 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

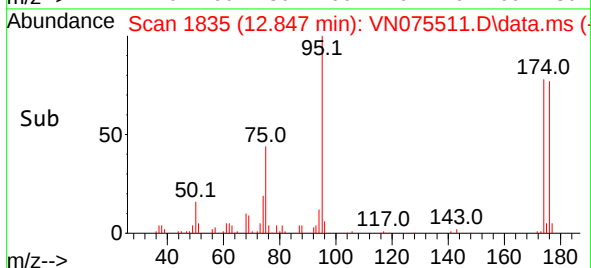
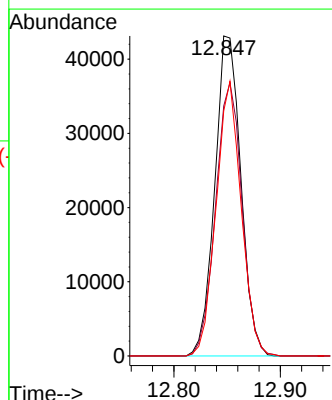
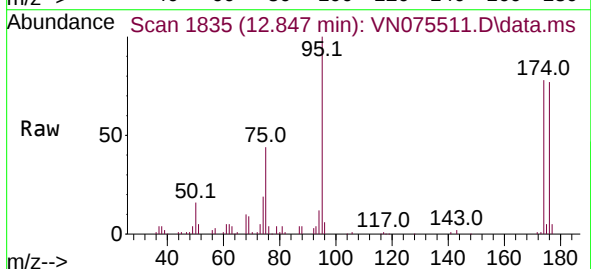
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

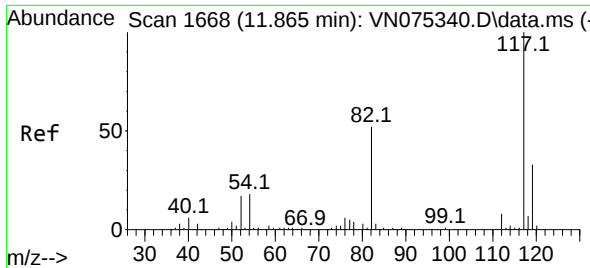
Tgt Ion: 43 Resp: 76030
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 54.900 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion: 95 Resp: 73297
Ion Ratio Lower Upper
95 100
174 86.4 0.0 147.4
176 82.7 0.0 142.2

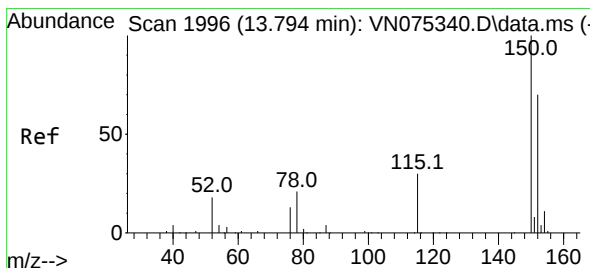
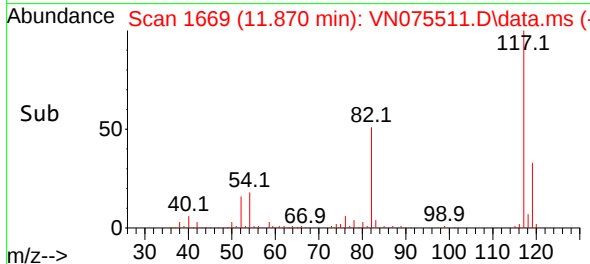
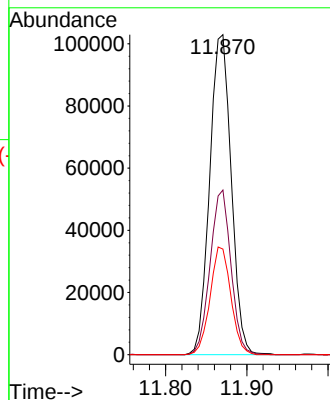
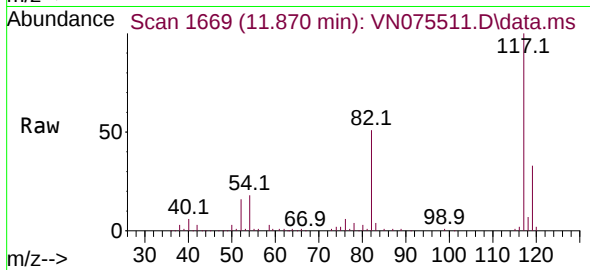




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

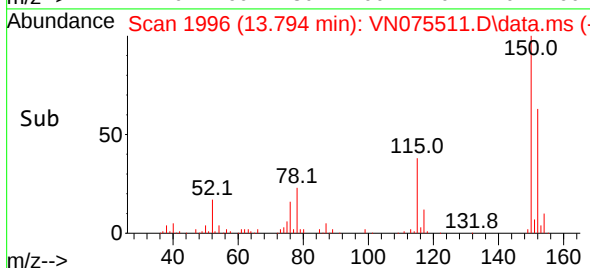
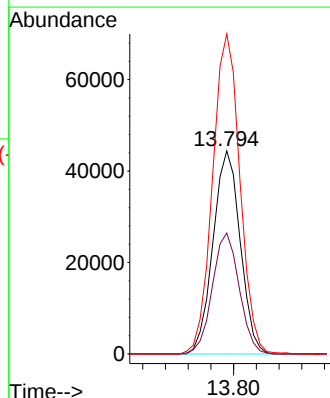
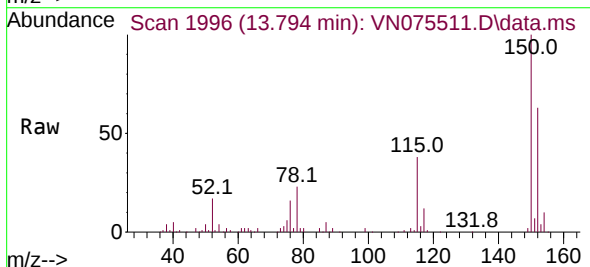
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-1

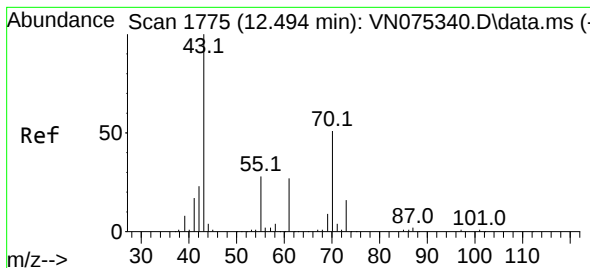
Tgt Ion:117 Resp: 189492
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075511.D
Acq: 30 Nov 2022 19:03

Tgt Ion:152 Resp: 73638
Ion Ratio Lower Upper
152 100
115 59.0 30.2 90.6
150 158.7 0.0 348.4





#74

N-amy1 acetate

Concen: 0.418 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075511.D

Acq: 30 Nov 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-1

Tgt Ion: 43 Resp: 692

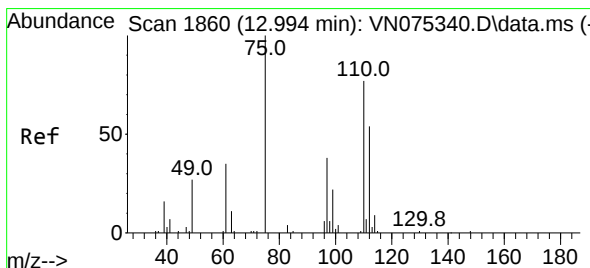
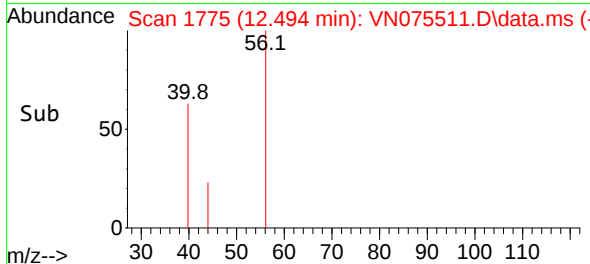
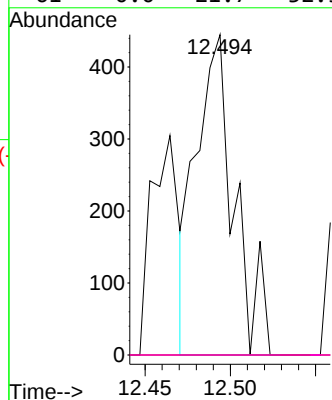
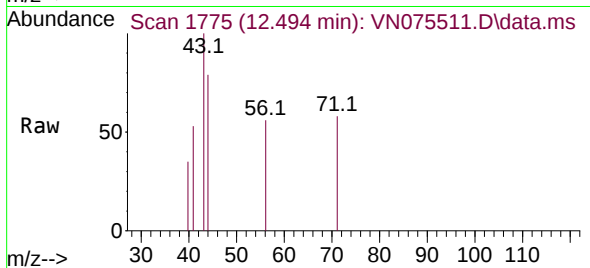
Ion Ratio Lower Upper

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: 25.943 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075511.D

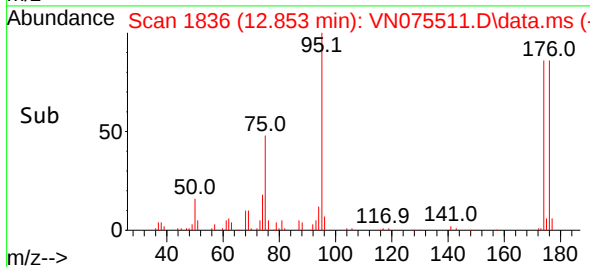
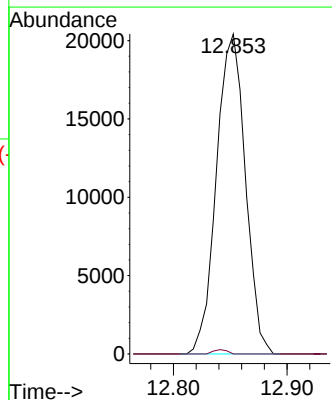
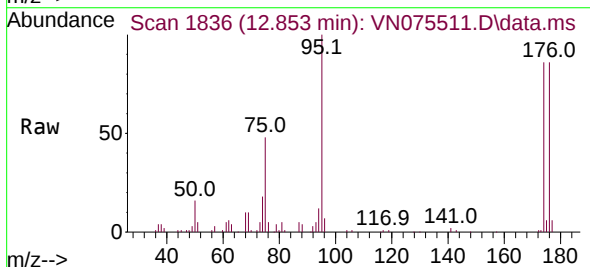
Acq: 30 Nov 2022 19:03

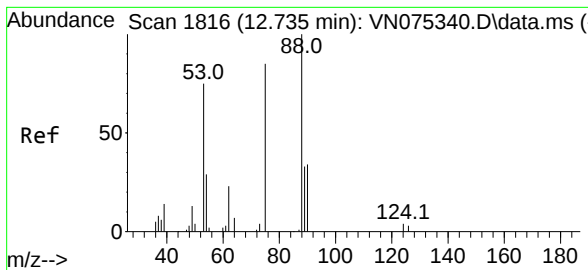
Tgt Ion: 75 Resp: 36120

Ion Ratio Lower Upper

75 100

77 0.7 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.758 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075511.D
 Acq: 30 Nov 2022 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-1

Tgt Ion: 75 Resp: 36120
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

