

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075069.D
 Acq On : 28 Oct 2022 18:36
 Operator : JC\MD
 Sample : N5313-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-3-NW-QUARTER

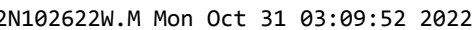
Quant Time: Oct 31 03:09:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

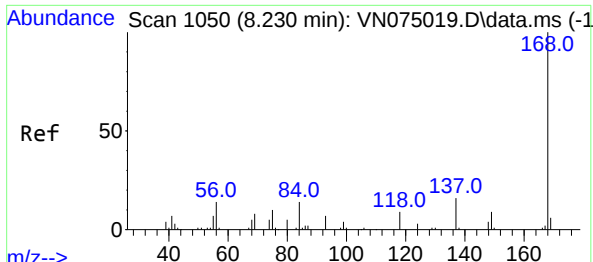
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	107250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	206697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	189328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	85214	58.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.940%	
35) Dibromofluoromethane	8.171	113	64533	53.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.360%	
50) Toluene-d8	10.571	98	256591	54.504	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.000%	
62) 4-Bromofluorobenzene	12.853	95	81155	49.074	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.906	94	127	Below Cal	#	5
11) Tert butyl alcohol	5.547	59	471	1.398	ug/l #	72
14) Allyl chloride	5.277	41	1309	0.788	ug/l #	19
16) Acetone	4.447	43	9508	15.539	ug/l	91
18) Methyl Acetate	5.047	43	1935	0.968	ug/l #	65
20) Methylene Chloride	5.277	84	58579	42.938	ug/l	94
25) 2-Butanone	7.494	43	2977	3.093	ug/l #	80
31) Cyclohexane	8.229	56	2753	1.281	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	9939	5.291	ug/l #	49
37) Ethyl Acetate	7.571	43	15996	7.764	ug/l	98
38) Carbon Tetrachloride	8.235	117	12226	5.916	ug/l #	18
43) Isopropyl Acetate	8.694	43	67293	21.058	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	864	0.631	ug/l #	42
48) Methyl methacrylate	9.747	41	60612	41.348	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	2944	1.428	ug/l	94
53) t-1,3-Dichloropropene	10.735	75	543	0.249	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	26309	11.379	ug/l #	69
56) Ethyl methacrylate	10.982	69	574	0.247	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3252	1.281	ug/l #	42
59) 2-Hexanone	11.170	43	55502	35.462	ug/l #	21
71) Bromoform	12.847	173	620	0.552	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	53	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	45025	29.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45025	74.959	ug/l #	10

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

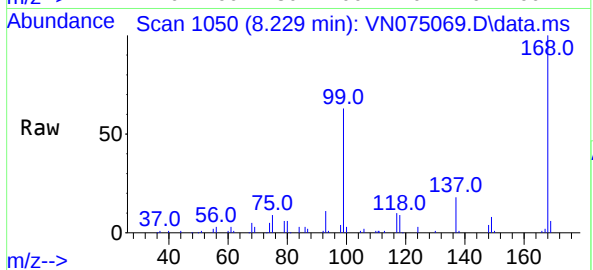
Quant Time: Oct 31 03:09:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



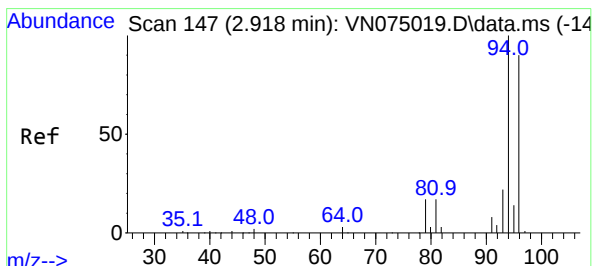
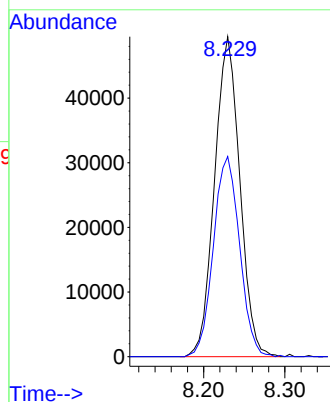
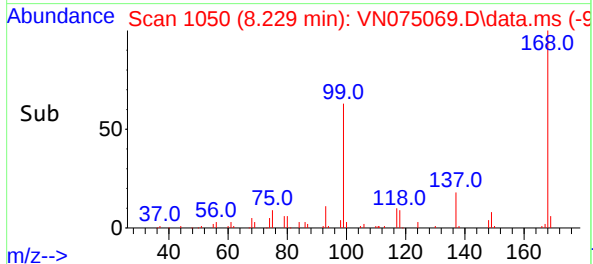


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Instrument :
MSVOA_N
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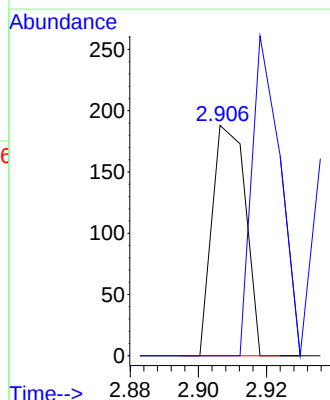
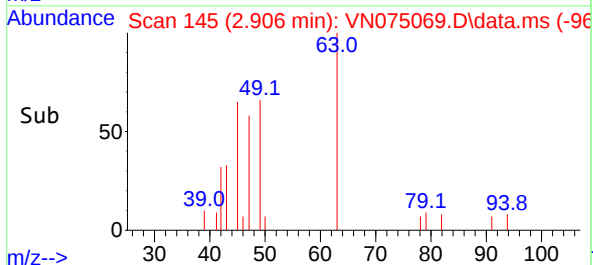
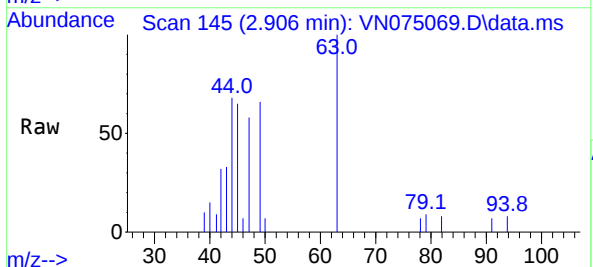


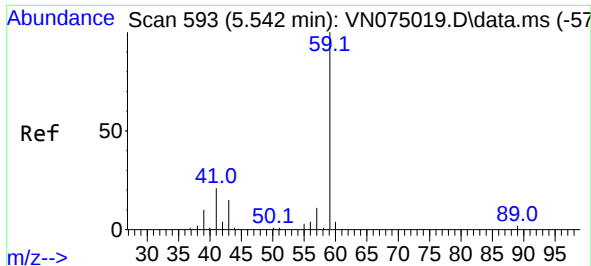
Tgt Ion:168 Resp: 107250
Ion Ratio Lower Upper
168 100
99 62.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#





#11

Tert butyl alcohol

Concen: 1.398 ug/l

RT: 5.547 min Scan# 59

Delta R.T. 0.005 min

Lab File: VN075069.D

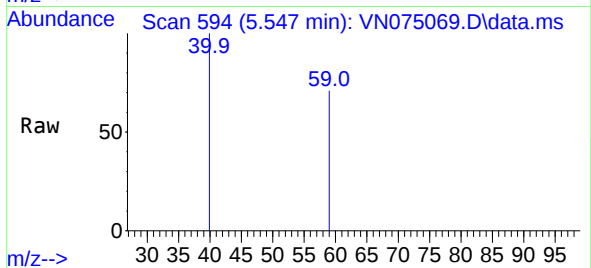
Acq: 28 Oct 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-GRAB-3-NW-QUARTER

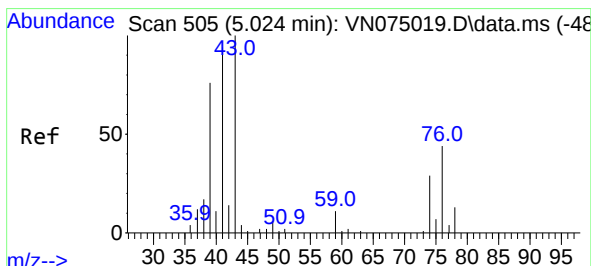
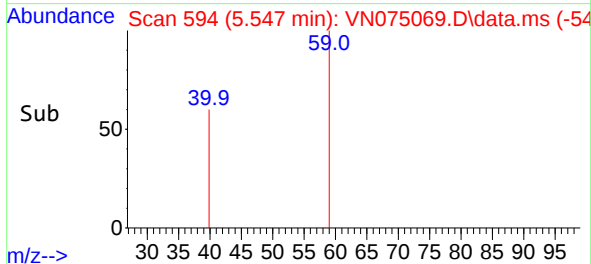
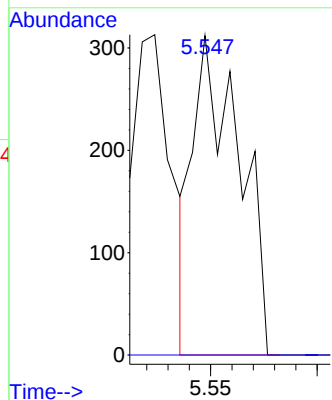


Tgt Ion: 59 Resp: 471

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 0.788 ug/l

RT: 5.277 min Scan# 548

Delta R.T. 0.253 min

Lab File: VN075069.D

Acq: 28 Oct 2022 18:36

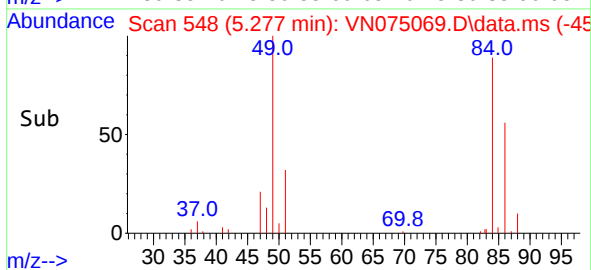
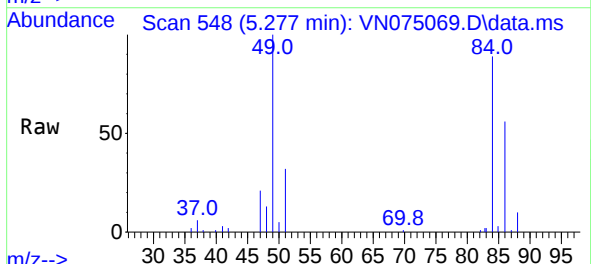
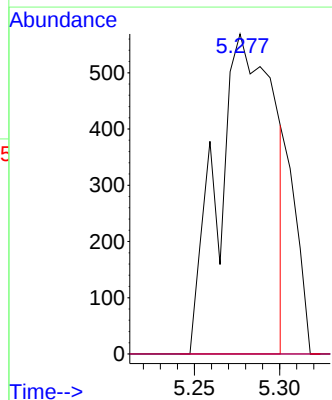
Tgt Ion: 41 Resp: 1309

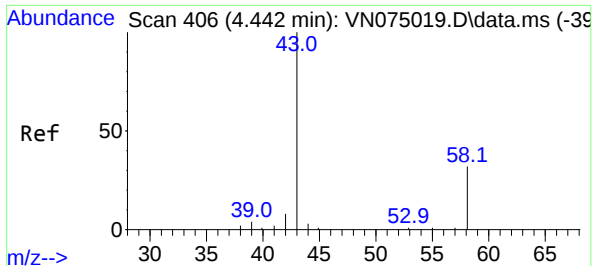
Ion Ratio Lower Upper

41 100

39 0.0 61.0 91.4#

76 0.0 33.4 50.0#

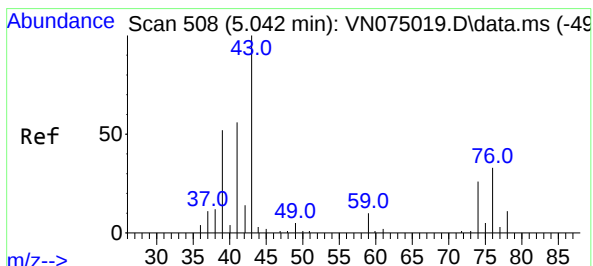
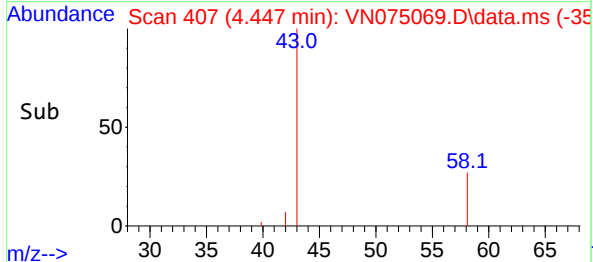
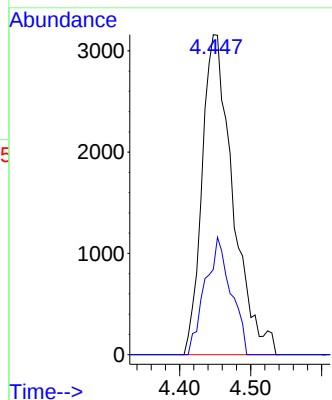
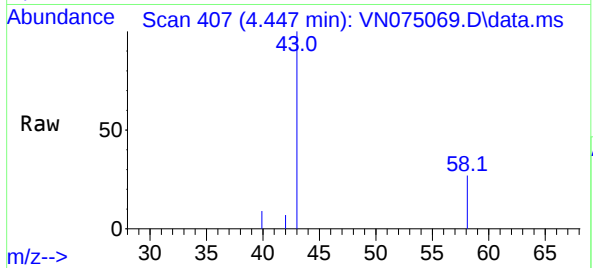




#16
Acetone
Concen: 15.539 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

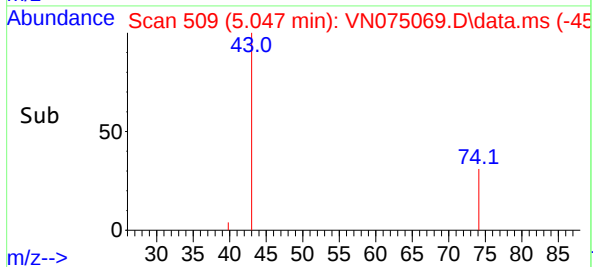
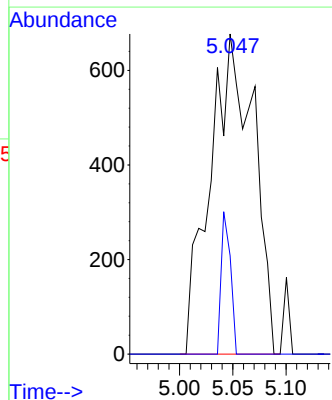
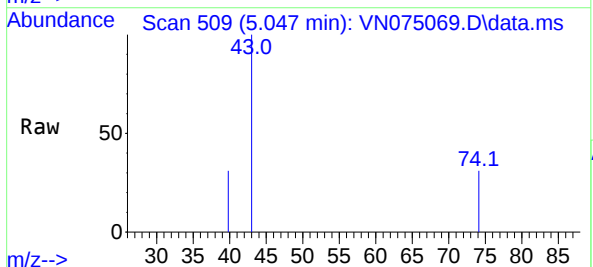
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

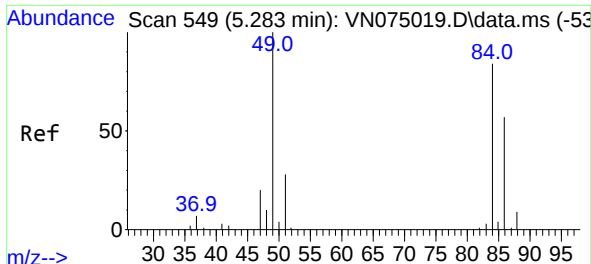
Tgt Ion: 43 Resp: 9508
Ion Ratio Lower Upper
43 100
58 26.6 25.5 38.3



#18
Methyl Acetate
Concen: 0.968 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
74 9.3 22.0 33.0#



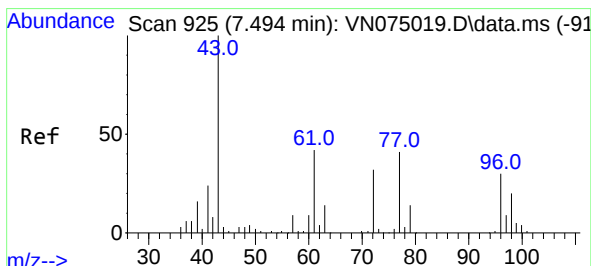
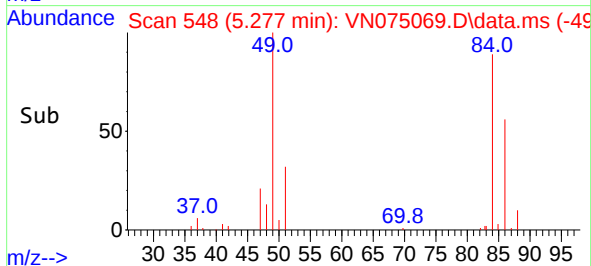
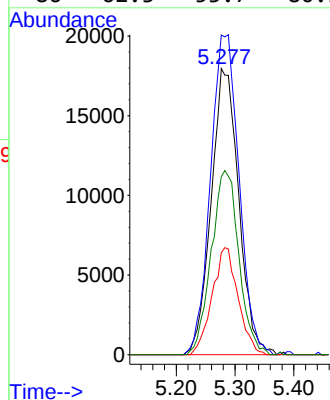
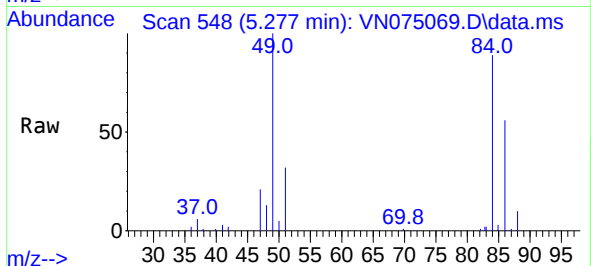


#20
Methylene Chloride
Concen: 42.938 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

Tgt Ion: 84 Resp: 58579

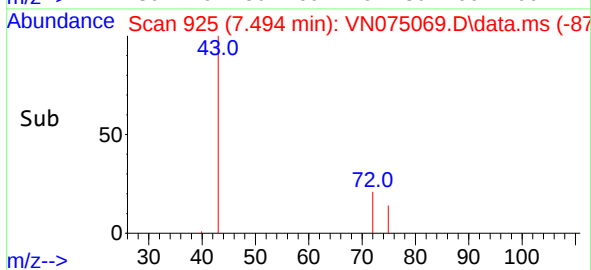
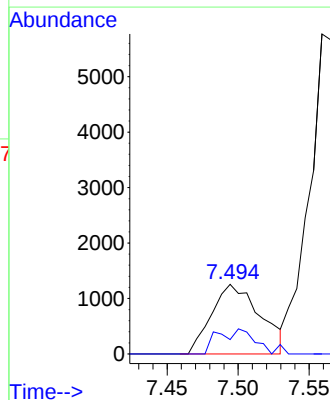
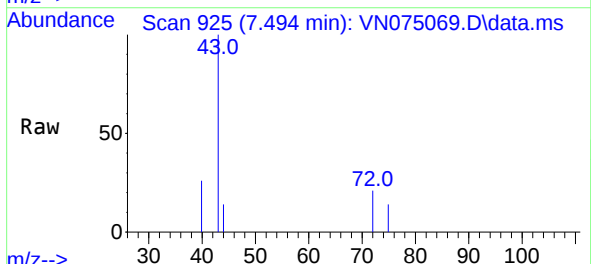
Ion	Ratio	Lower	Upper
84	100		
49	111.8	94.9	142.3
51	35.6	26.8	40.2
86	62.3	53.7	80.5

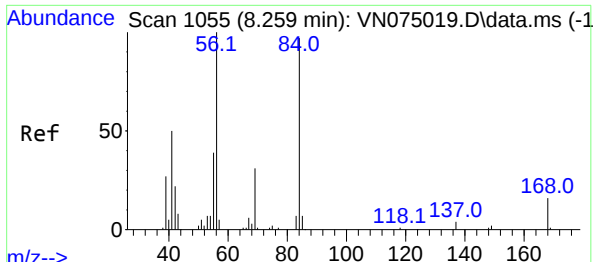


#25
2-Butanone
Concen: 3.093 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 43 Resp: 2977

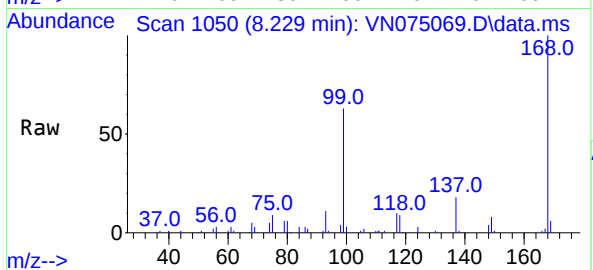
Ion	Ratio	Lower	Upper
43	100		
72	20.7	25.5	38.3#



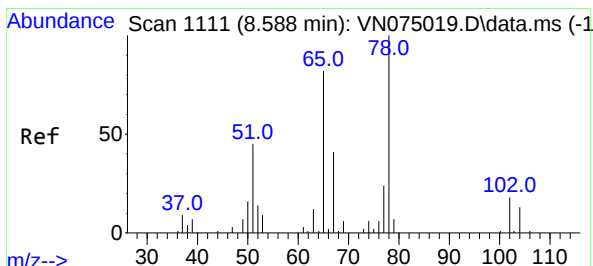
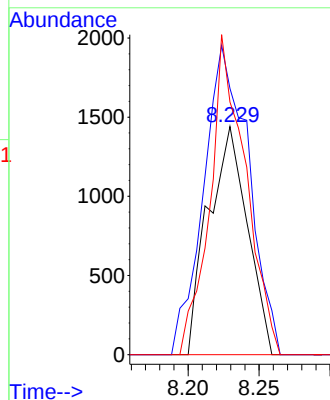
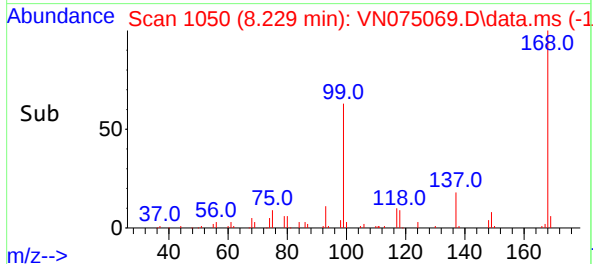


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 8.229 min Scan# 1105
Delta R.T. -0.030 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-3-NW-QUARTER

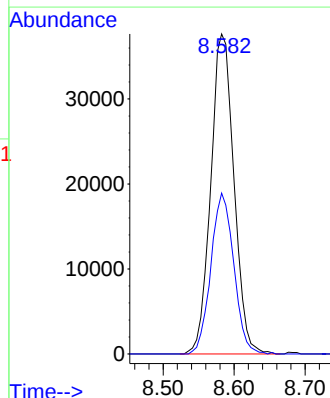
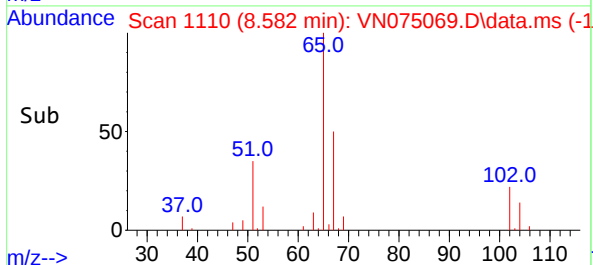
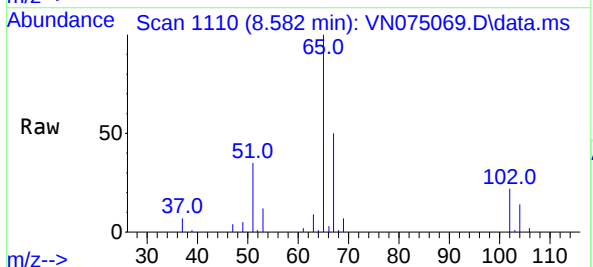


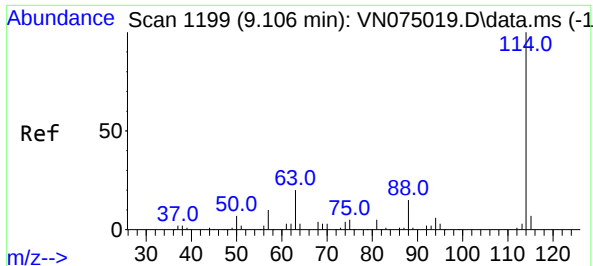
Tgt Ion: 56 Resp: 2753
Ion Ratio Lower Upper
56 100
69 116.7 25.2 37.8#
84 110.8 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 58.969 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 65 Resp: 85214
Ion Ratio Lower Upper
65 100
67 49.7 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: VN075069.D

Acq: 28 Oct 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-GRAB-3-NW-QUARTER

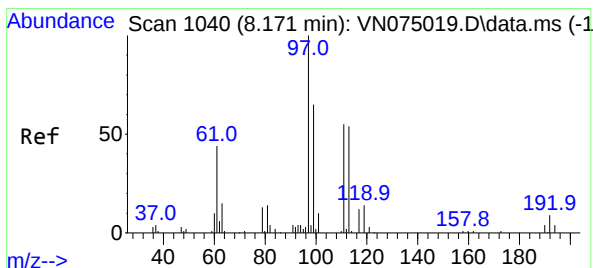
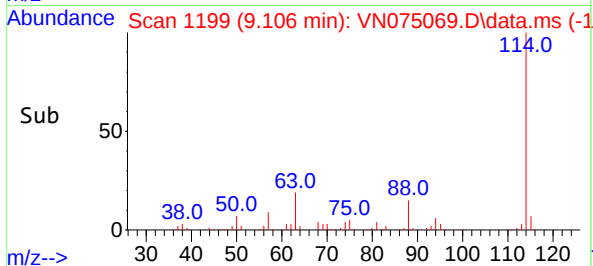
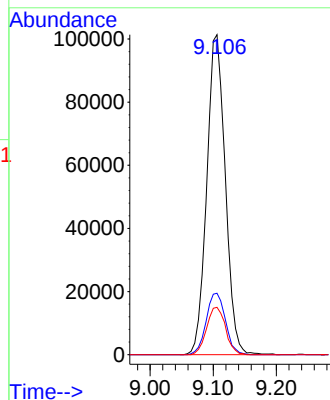
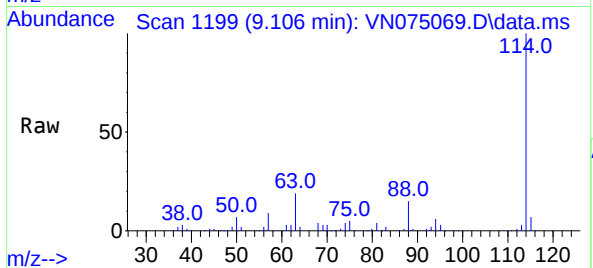
Tgt Ion:114 Resp: 206697

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.183 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075069.D

Acq: 28 Oct 2022 18:36

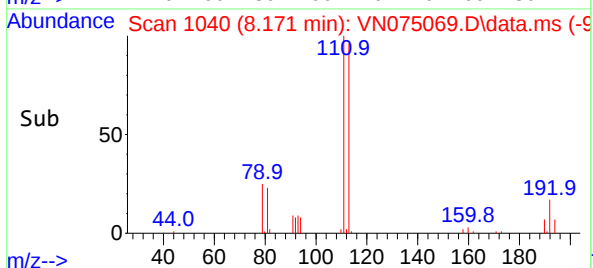
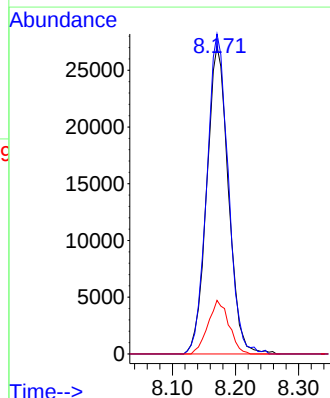
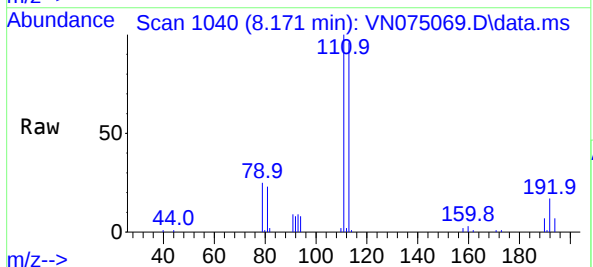
Tgt Ion:113 Resp: 64533

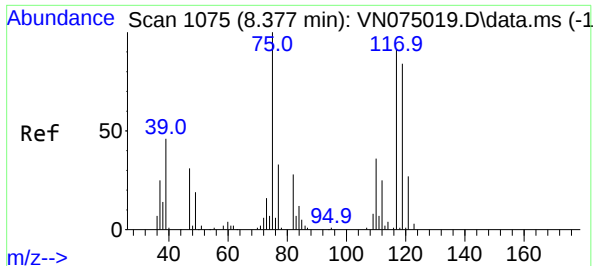
Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

192 16.8 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.291 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075069.D

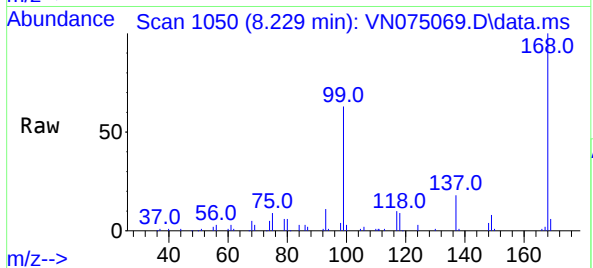
Acq: 28 Oct 2022 18:36

Instrument :

MSVOA_N

ClientSampleId :

TCLP-VOC-GRAB-3-NW-QUARTER



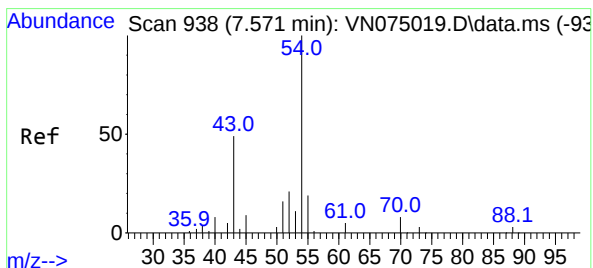
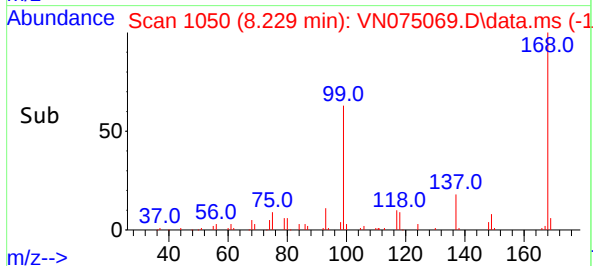
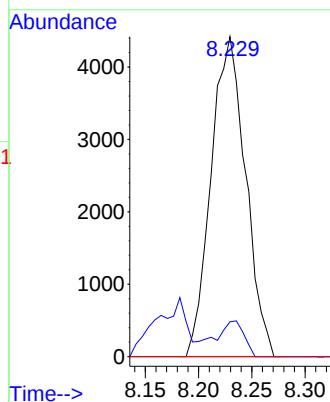
Tgt Ion: 75 Resp: 9939

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 7.764 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075069.D

Acq: 28 Oct 2022 18:36

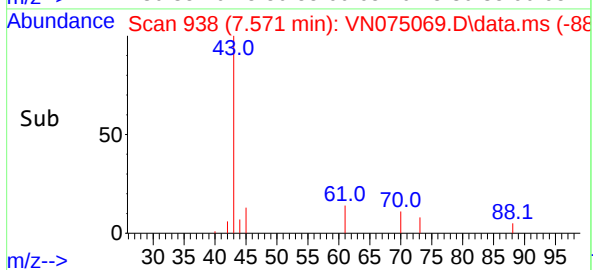
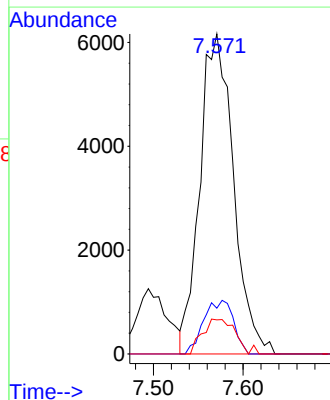
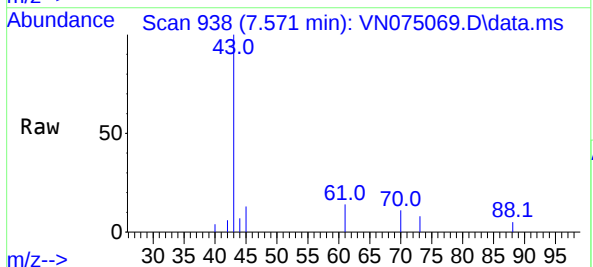
Tgt Ion: 43 Resp: 15996

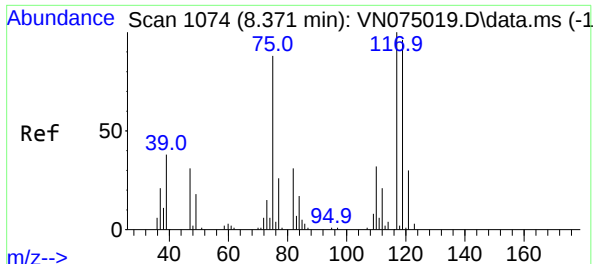
Ion Ratio Lower Upper

43 100

61 14.9 12.2 18.4

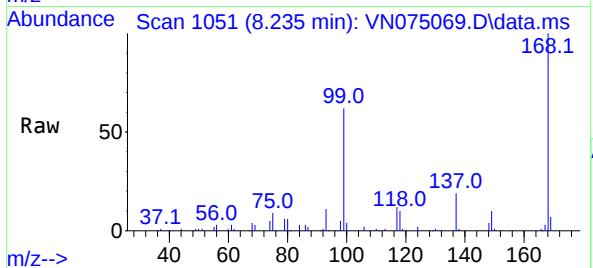
70 10.7 9.4 14.2



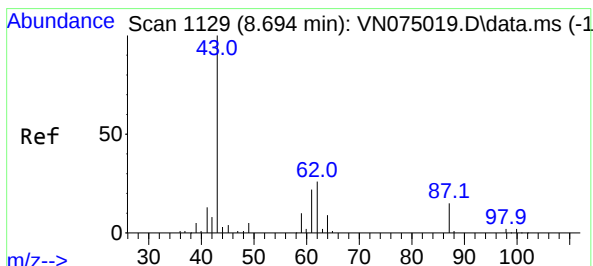
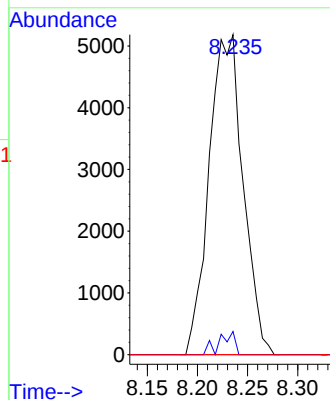
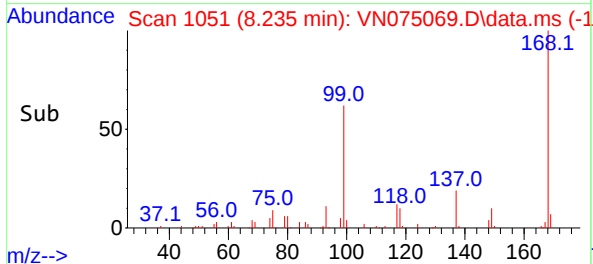


#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-3-NW-QUARTER

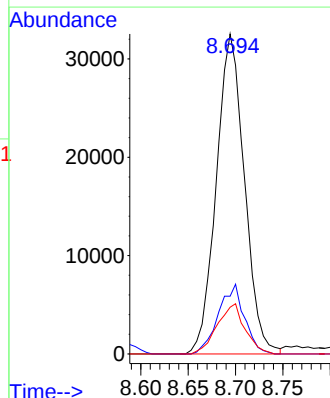
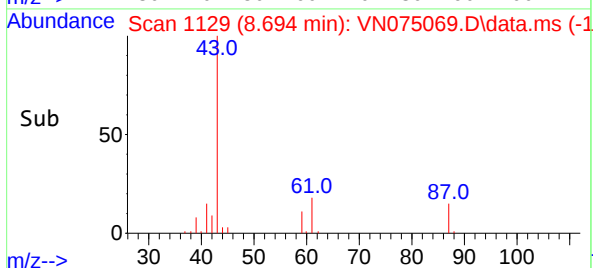
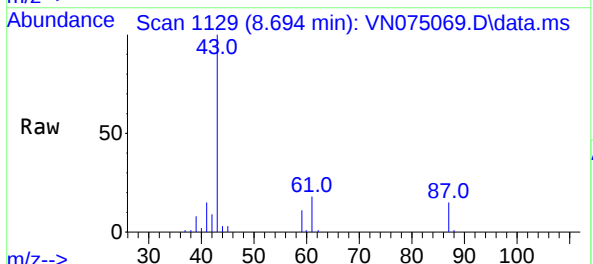


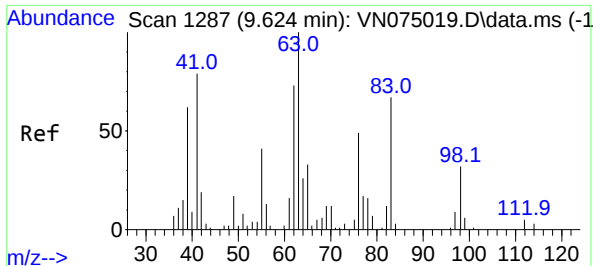
Tgt Ion:117 Resp: 12226
Ion Ratio Lower Upper
117 100
119 7.2 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 21.058 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 43 Resp: 67293
Ion Ratio Lower Upper
43 100
61 20.2 22.4 33.6#
87 15.5 12.5 18.7

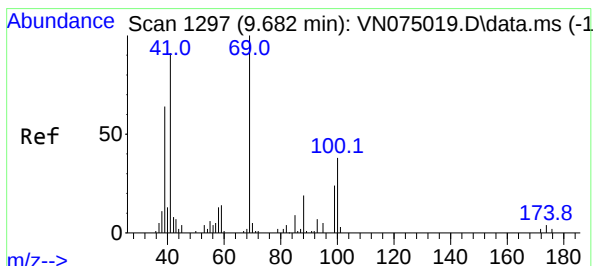
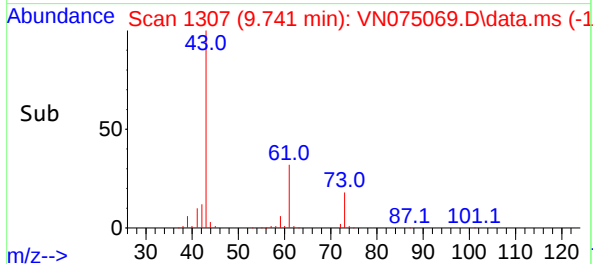
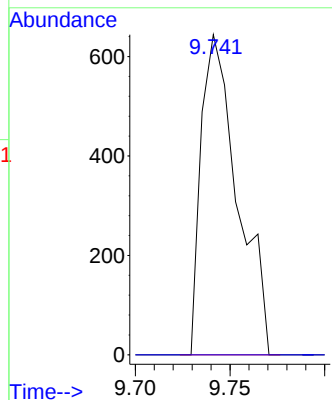
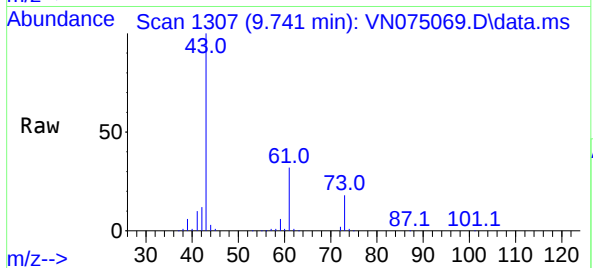




#45
1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

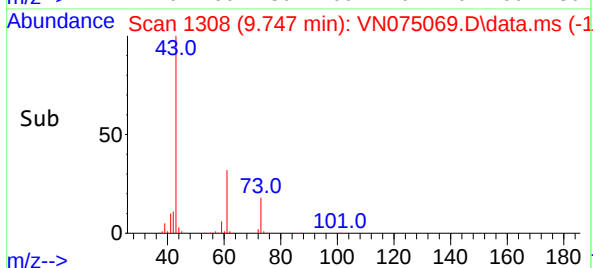
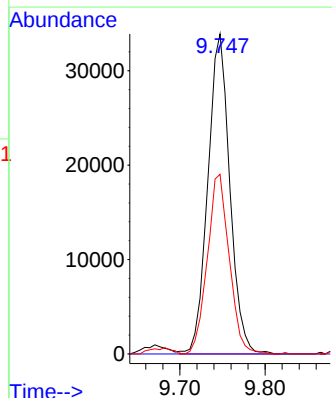
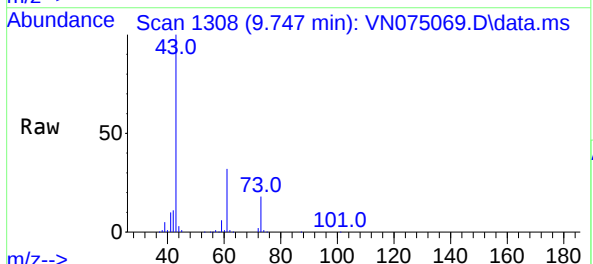
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

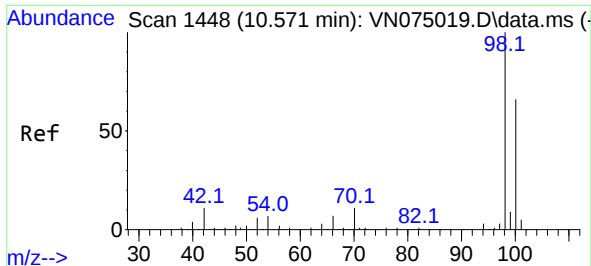
Tgt Ion: 63 Resp: 864
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 41.348 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 41 Resp: 60612
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 56.2 56.2 84.2

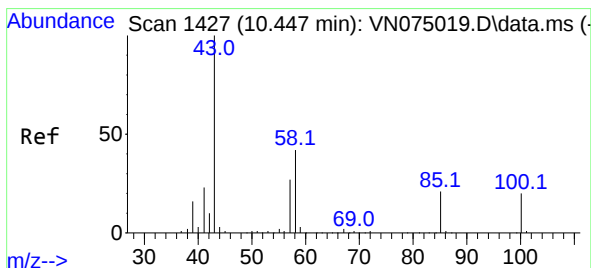
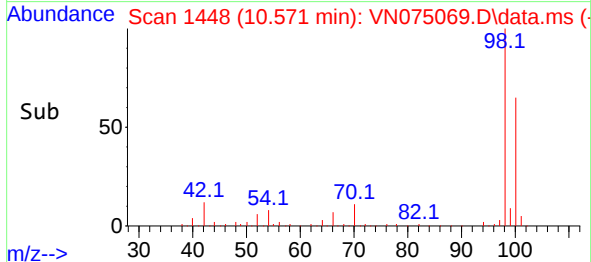
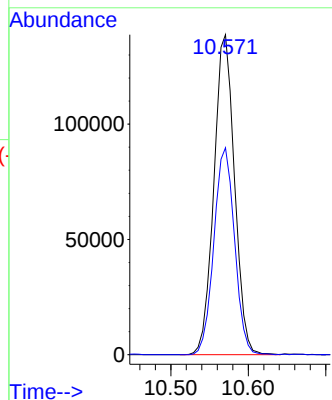
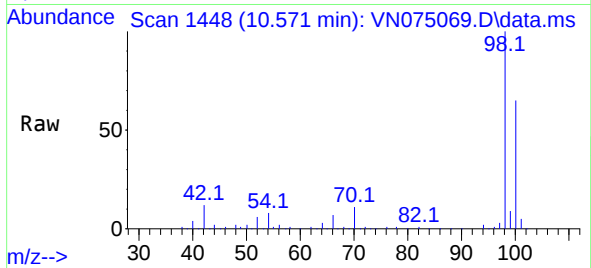




#50
Toluene-d8
Concen: 54.504 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

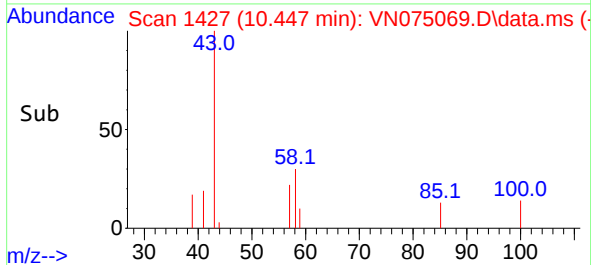
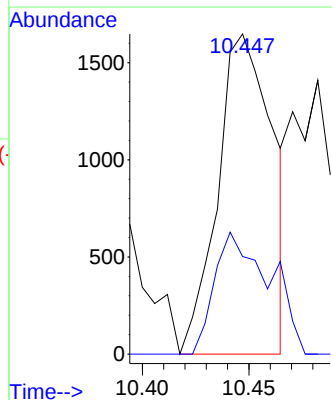
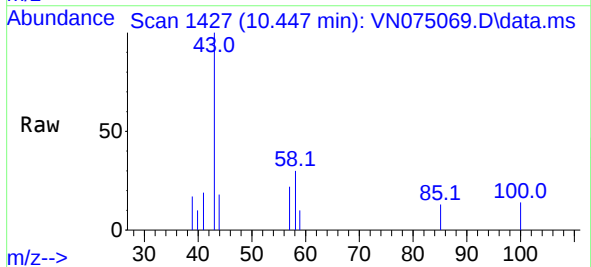
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

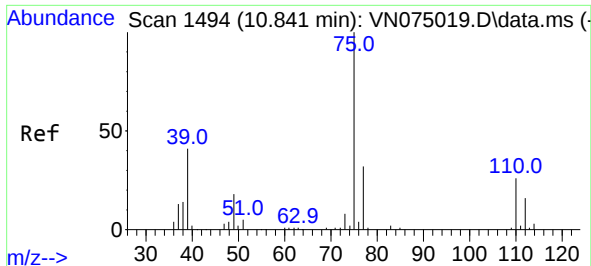
Tgt Ion: 98 Resp: 256591
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.428 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
58 38.4 33.6 50.4

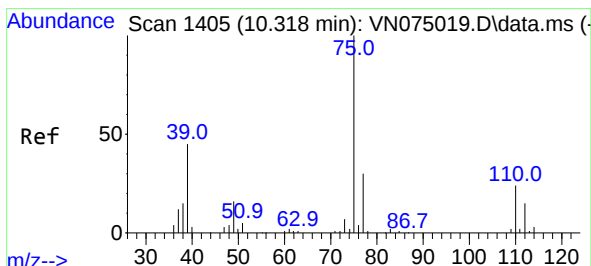
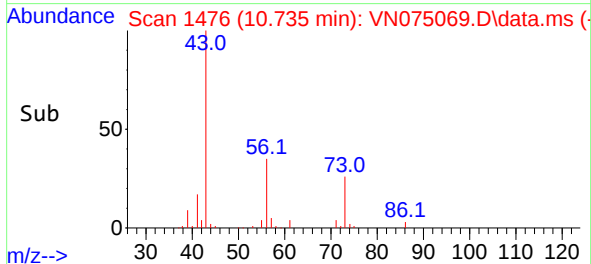
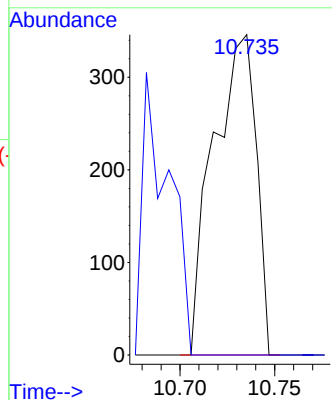
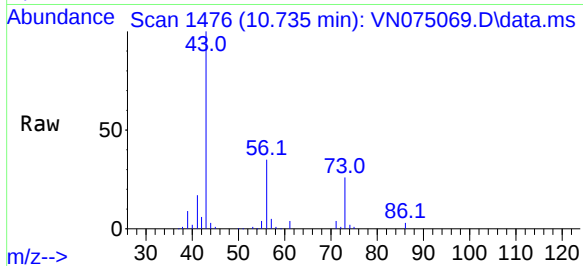




#53
 t-1,3-Dichloropropene
 Concen: 0.249 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075069.D
 Acq: 28 Oct 2022 18:36

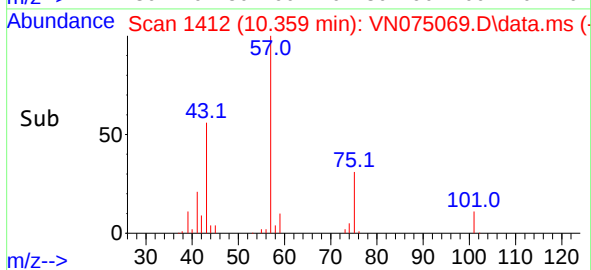
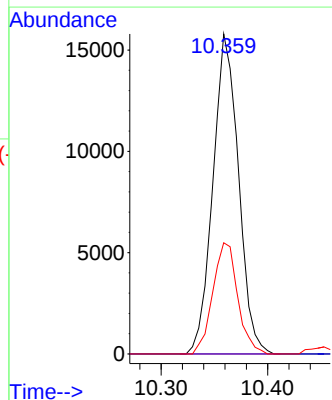
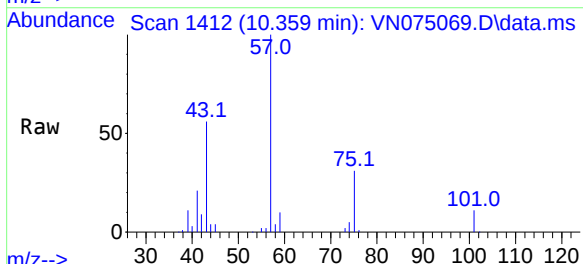
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-3-NW-QUARTER

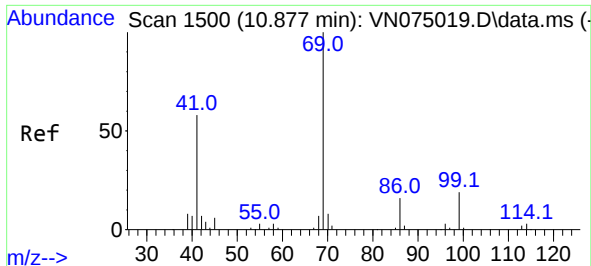
Tgt Ion: 75 Resp: 543
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 11.379 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075069.D
 Acq: 28 Oct 2022 18:36

Tgt Ion: 75 Resp: 26309
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.8 35.8 53.6#

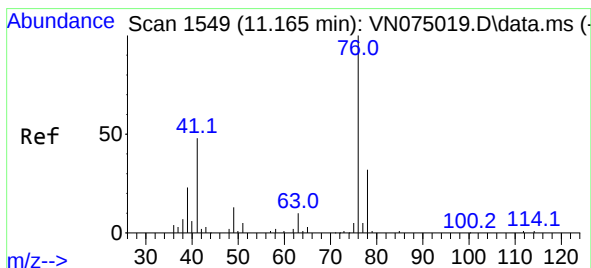
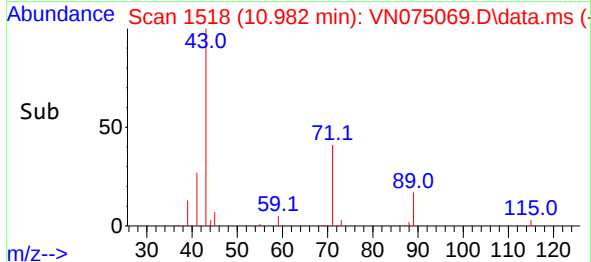
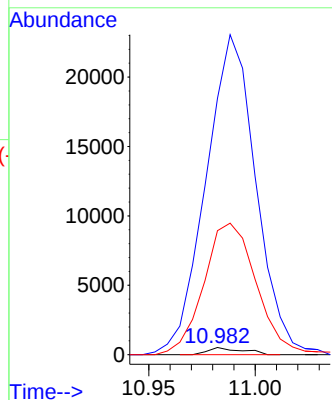
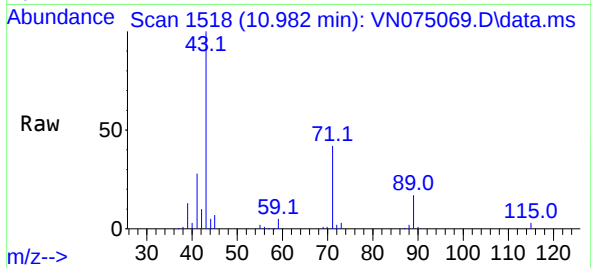




#56
Ethyl methacrylate
Concen: 0.247 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

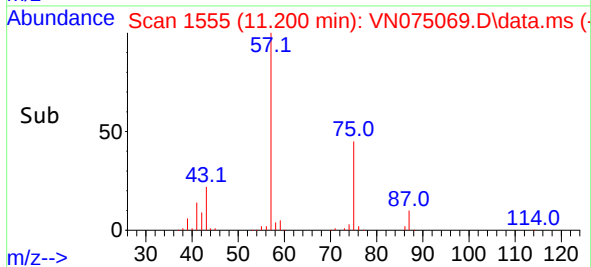
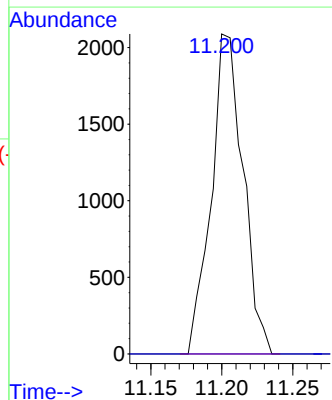
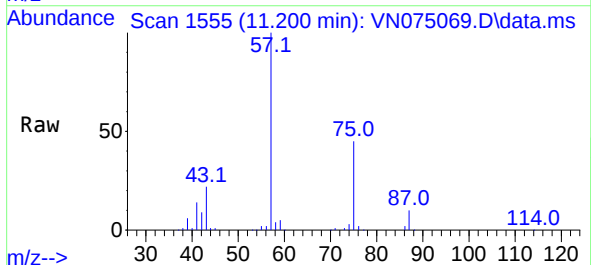
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

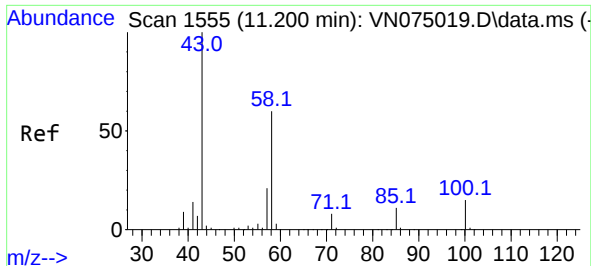
Tgt Ion: 69 Resp: 574
Ion Ratio Lower Upper
69 100
41 6599.1 45.6 68.4#
39 2860.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.281 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 76 Resp: 3252
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

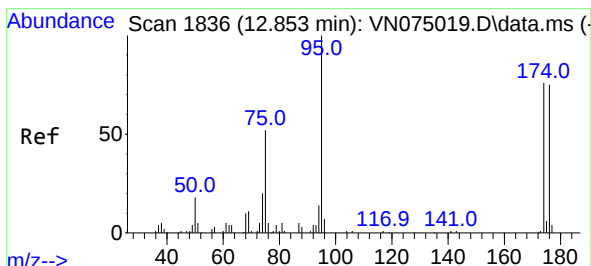
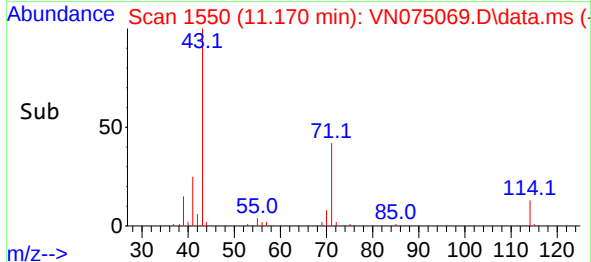
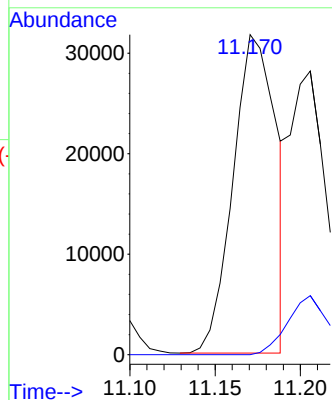
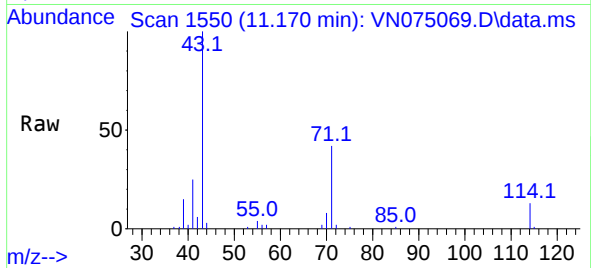




#59
2-Hexanone
Concen: 35.462 ug/l
RT: 11.170 min Scan# 1550
Delta R.T. -0.030 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

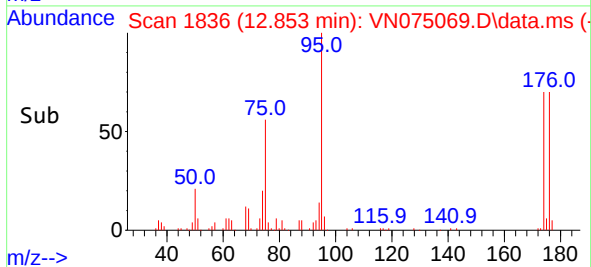
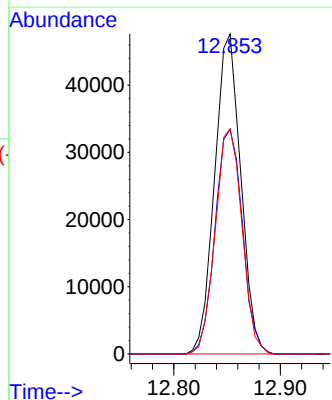
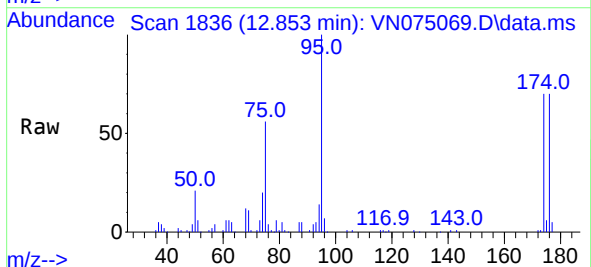
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-3-NW-QUARTER

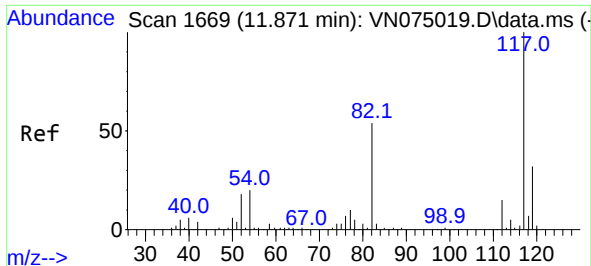
Tgt Ion: 43 Resp: 55502
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.074 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 95 Resp: 81155
Ion Ratio Lower Upper
95 100
174 73.2 0.0 147.4
176 71.9 0.0 142.2

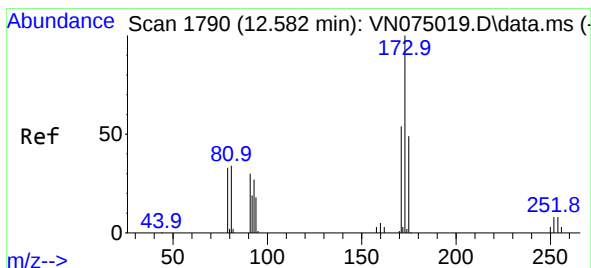
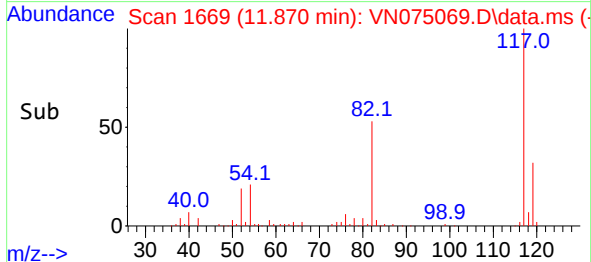
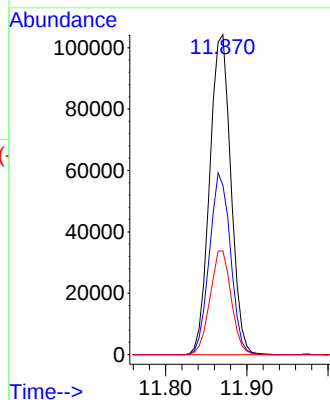
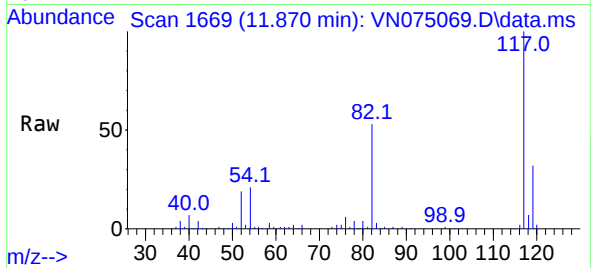




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

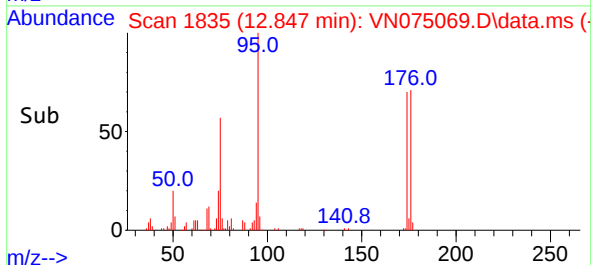
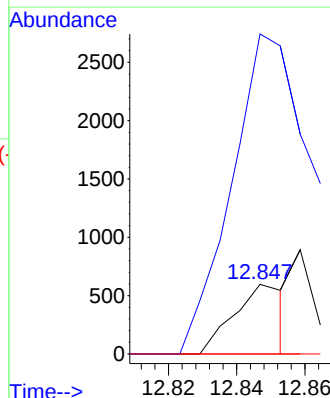
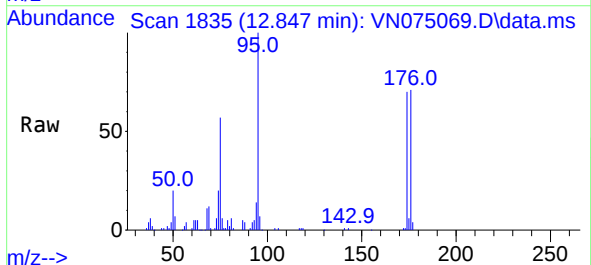
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-3-NW-QUARTER

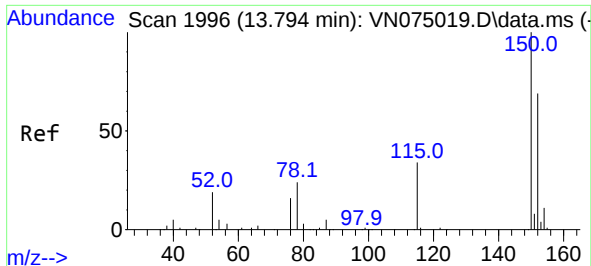
Tgt Ion:117 Resp: 189328
Ion Ratio Lower Upper
117 100
82 52.9 43.1 64.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.552 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion:173 Resp: 620
Ion Ratio Lower Upper
173 100
175 597.7 24.6 74.0#
254 0.0 0.0 0.0

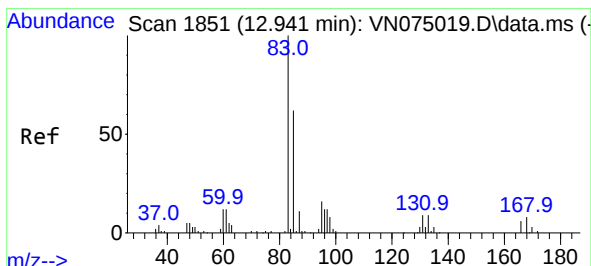
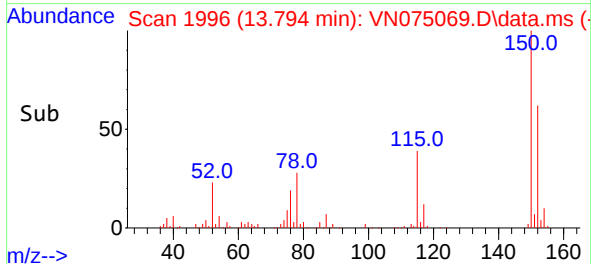
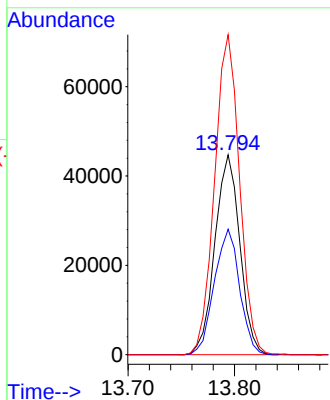
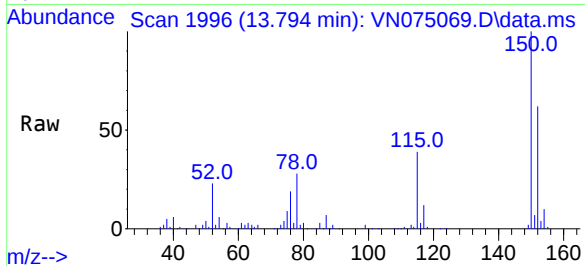




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

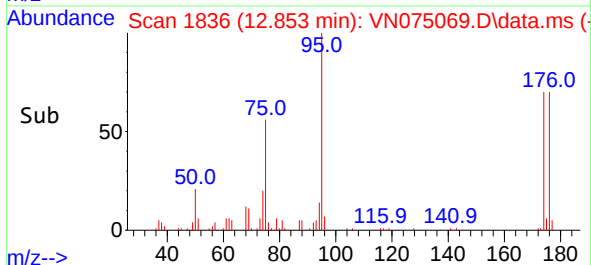
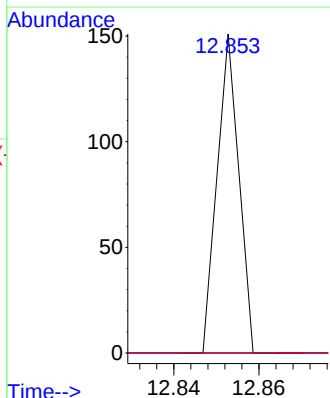
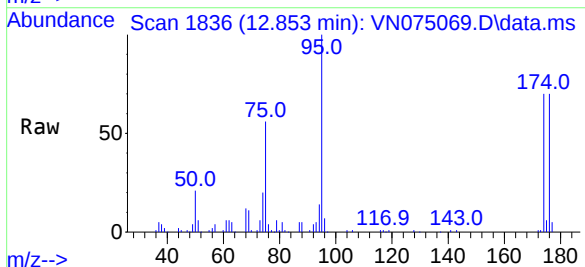
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-3-NW-QUARTER

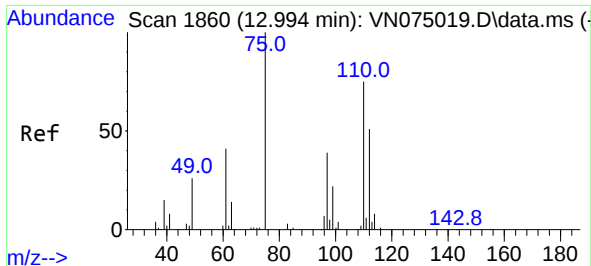
Tgt Ion:152 Resp: 72619
Ion Ratio Lower Upper
152 100
115 63.8 30.2 90.6
150 160.3 0.0 348.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.088 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#

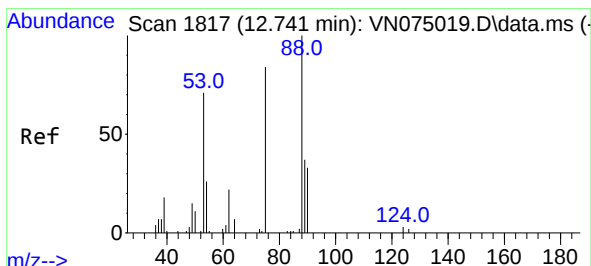
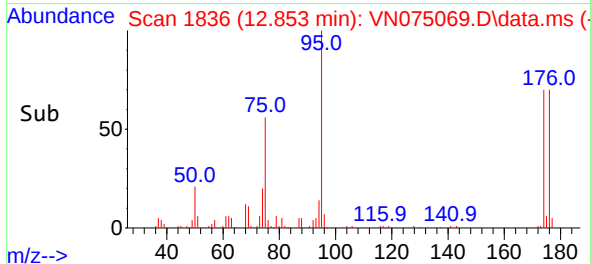
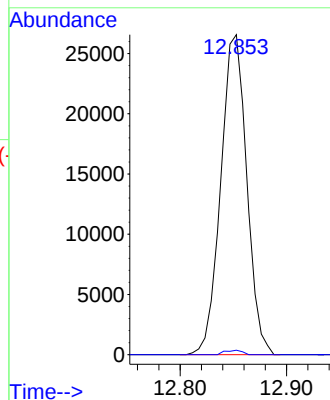
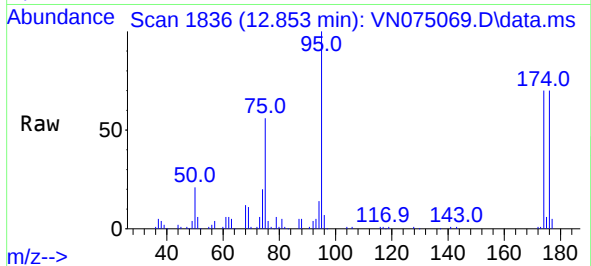




#76
1,2,3-Trichloropropane
Concen: 29.201 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-3-NW-QUARTER

Tgt Ion: 75 Resp: 45025
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.959 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075069.D
Acq: 28 Oct 2022 18:36

Tgt Ion: 75 Resp: 45025
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

