

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075071.D
 Acq On : 28 Oct 2022 19:24
 Operator : JC\MD
 Sample : N5313-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-4-SE-QUARTER

Quant Time: Oct 31 03:10:11 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)

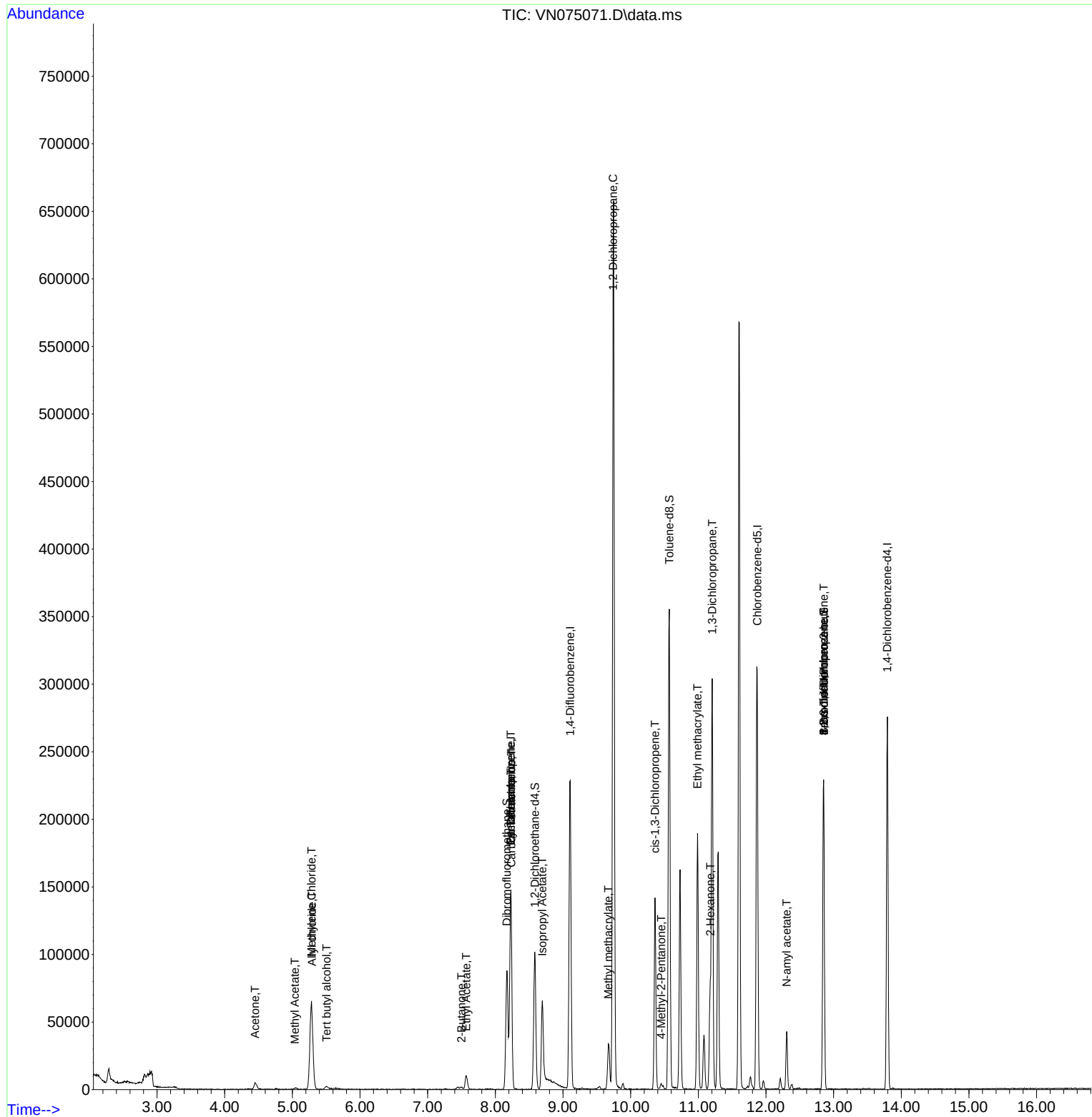
Internal Standards						
1) Pentafluorobenzene	8.230	168	102531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	201695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	182068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	83979	60.789	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.580%	
35) Dibromofluoromethane	8.171	113	63673	53.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.560%	
50) Toluene-d8	10.571	98	247933	53.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.853	95	78474	48.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	201	Below Cal		93
11) Tert butyl alcohol	5.506	59	2580	8.008	ug/l #	72
14) Allyl chloride	5.289	41	1163	0.733	ug/l #	19
16) Acetone	4.448	43	9388	16.049	ug/l	97
18) Methyl Acetate	5.036	43	2631	1.377	ug/l #	72
20) Methylene Chloride	5.283	84	52150	39.985	ug/l	95
25) 2-Butanone	7.500	43	2637	2.866	ug/l	90
31) Cyclohexane	8.230	56	2350	1.144	ug/l #	52
36) 1,1-Dichloropropene	8.230	75	9249	5.046	ug/l #	48
37) Ethyl Acetate	7.571	43	15341	7.631	ug/l	98
38) Carbon Tetrachloride	8.236	117	11261	5.585	ug/l #	15
43) Isopropyl Acetate	8.694	43	74850	24.003	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	813	0.609	ug/l #	42
48) Methyl methacrylate	9.671	41	2197	1.536	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	2711	1.347	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	26194	11.610	ug/l #	66
56) Ethyl methacrylate	10.988	69	548	0.241	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3400	1.372	ug/l #	42
59) 2-Hexanone	11.177	43	53798	35.226	ug/l #	21
71) Bromoform	12.853	173	595	0.551	ug/l #	1
74) N-amyl acetate	12.306	43	12641	6.144	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	43091	29.288	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43091	75.181	ug/l #	10

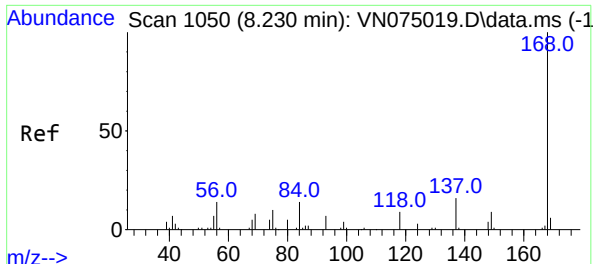
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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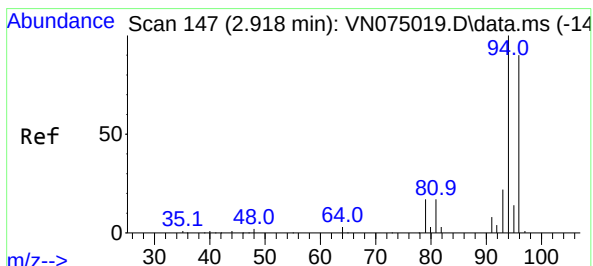
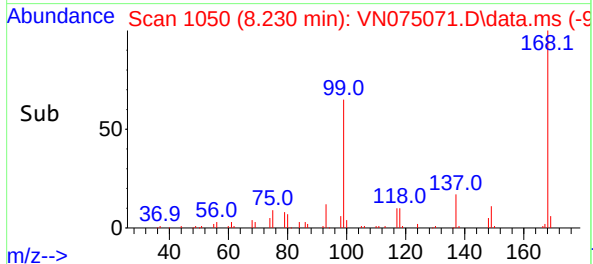
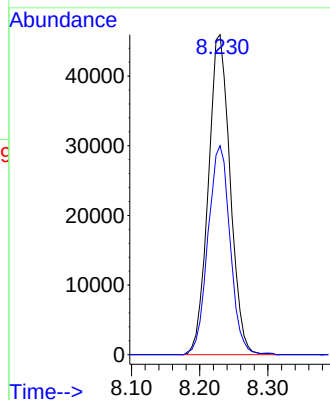
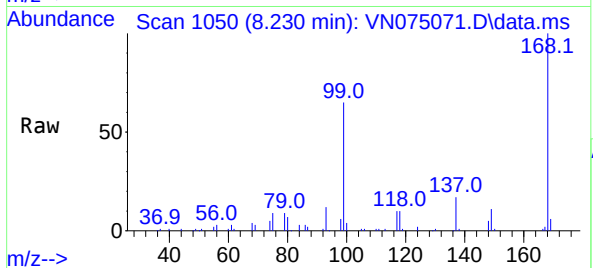




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

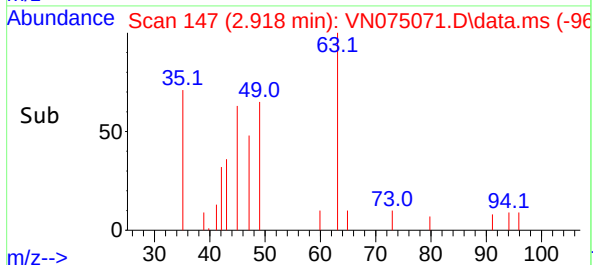
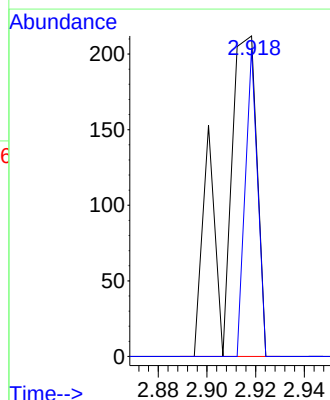
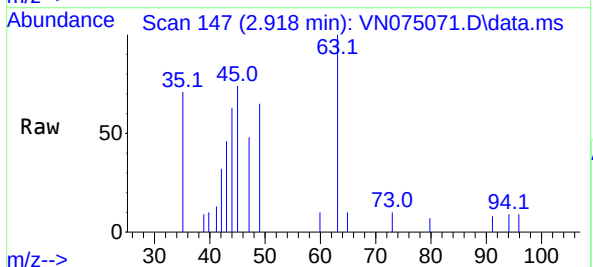
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

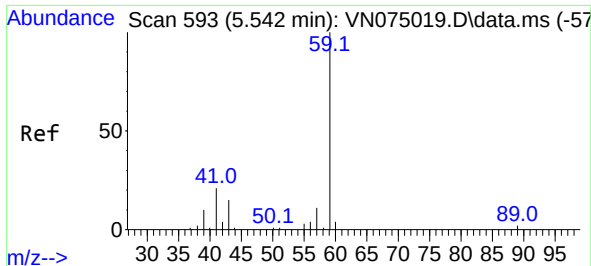
Tgt Ion:168 Resp: 102531
Ion Ratio Lower Upper
168 100
99 65.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 96.2 71.8 107.6

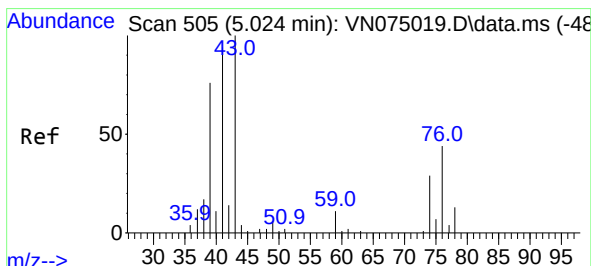
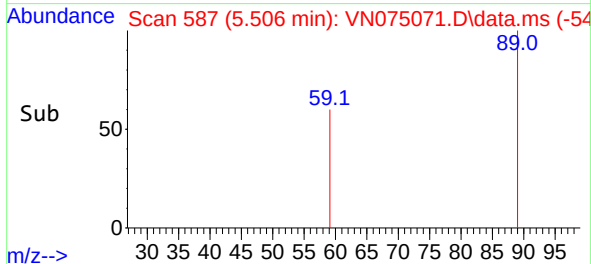
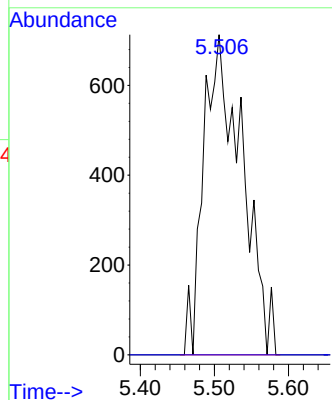
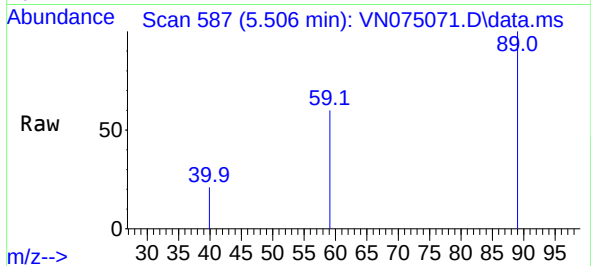




#11
Tert butyl alcohol
Concen: 8.008 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

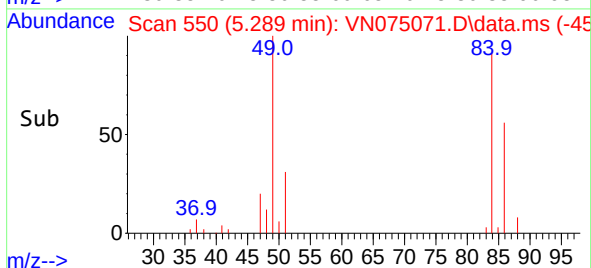
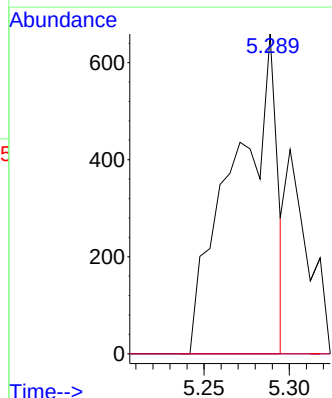
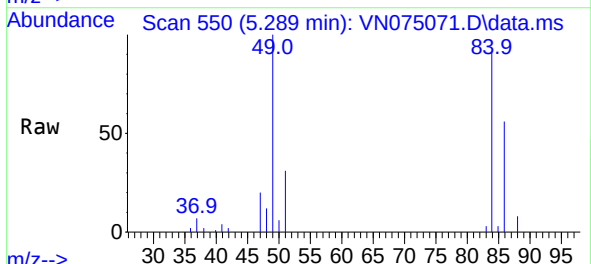
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

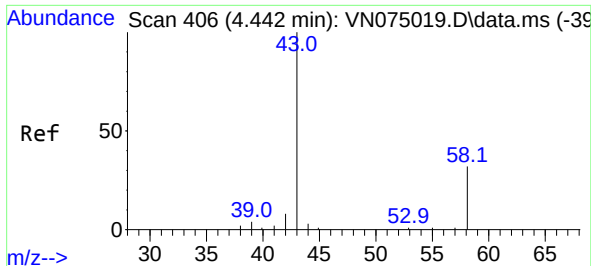
Tgt Ion: 59 Resp: 2580
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.733 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.265 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 41 Resp: 1163
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

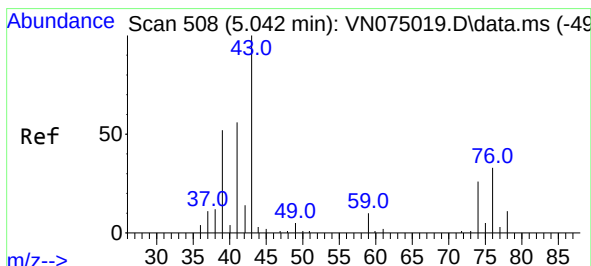
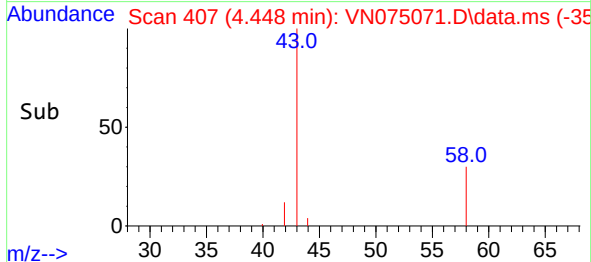
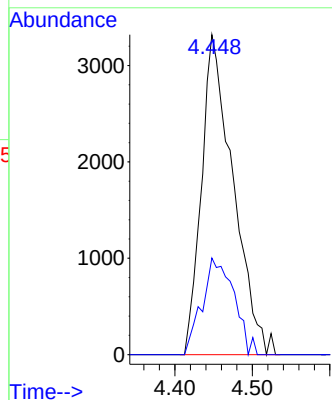
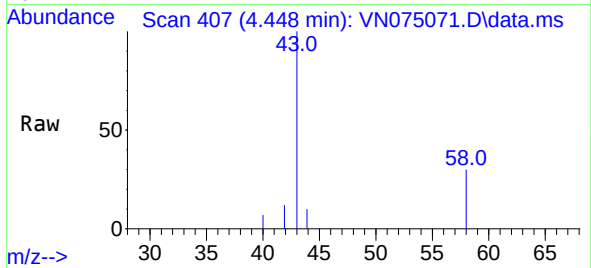




#16
Acetone
Concen: 16.049 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

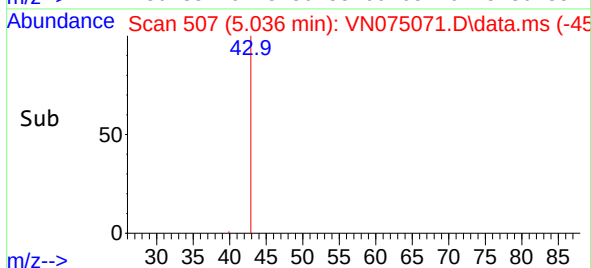
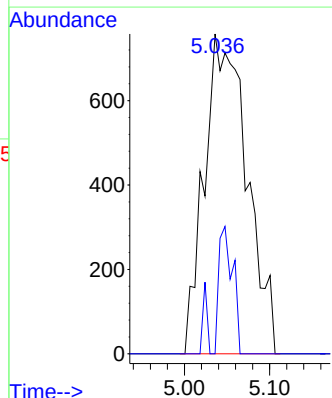
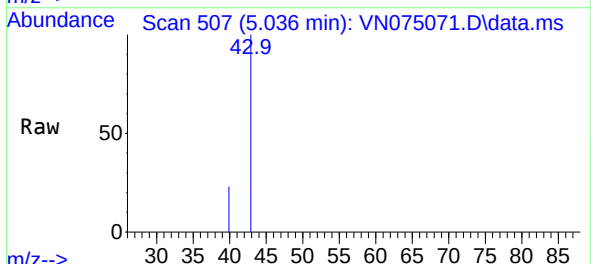
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-4-SE-QUARTER

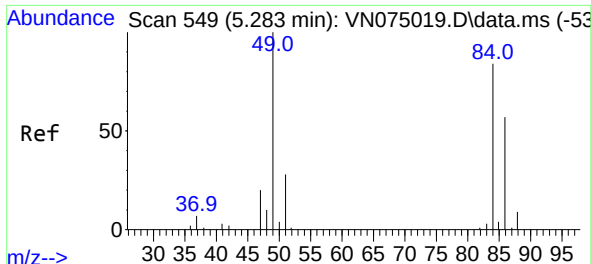
Tgt Ion: 43 Resp: 9388
Ion Ratio Lower Upper
43 100
58 30.2 25.5 38.3



#18
Methyl Acetate
Concen: 1.377 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 43 Resp: 2631
Ion Ratio Lower Upper
43 100
74 13.1 22.0 33.0#



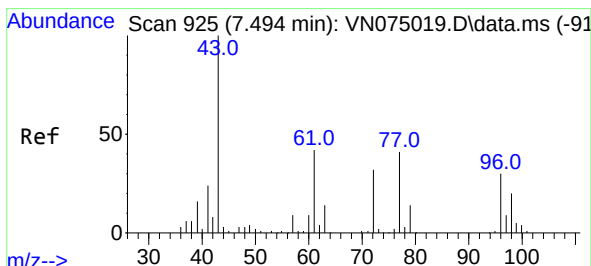
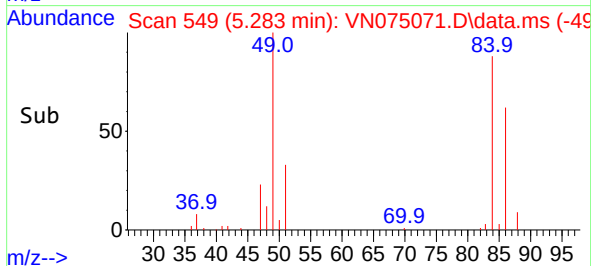
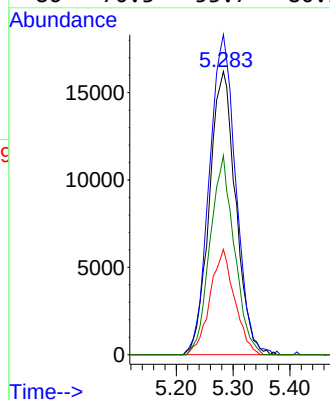
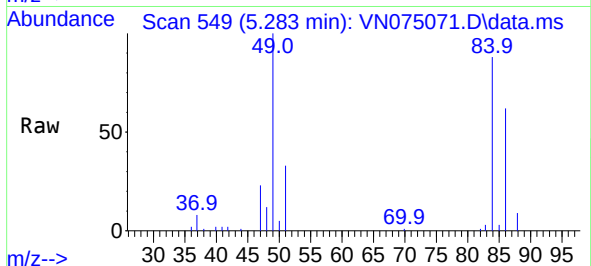


#20
Methylene Chloride
Concen: 39.985 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-4-SE-QUARTER

Tgt Ion: 84 Resp: 52150

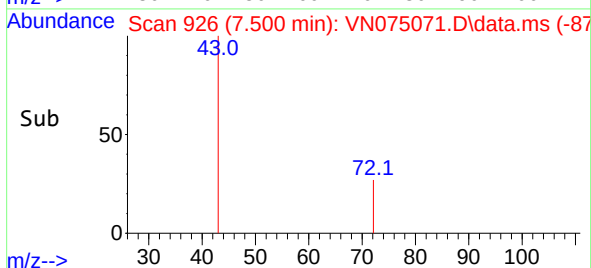
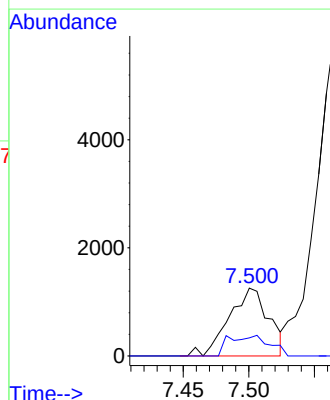
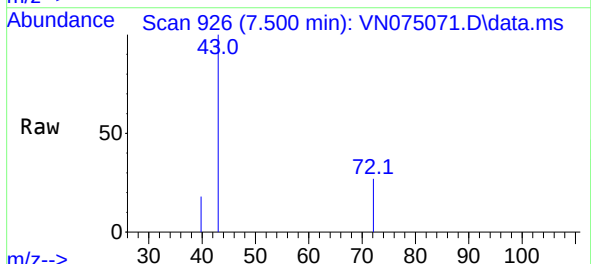
Ion	Ratio	Lower	Upper
84	100		
49	113.0	94.9	142.3
51	37.2	26.8	40.2
86	70.3	53.7	80.5

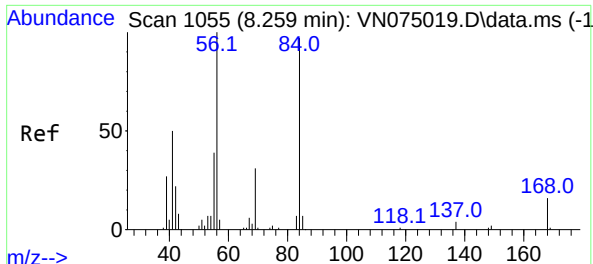


#25
2-Butanone
Concen: 2.866 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 43 Resp: 2637

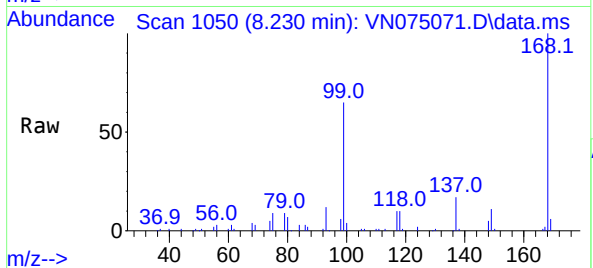
Ion	Ratio	Lower	Upper
43	100		
72	26.6	25.5	38.3



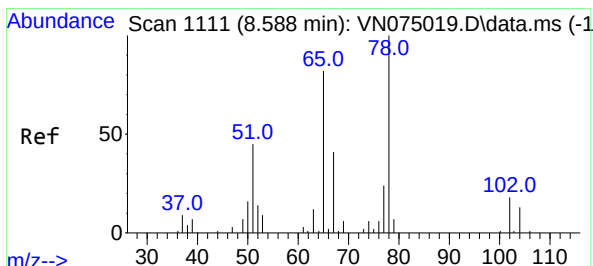
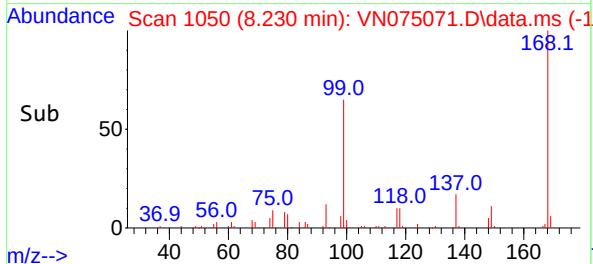
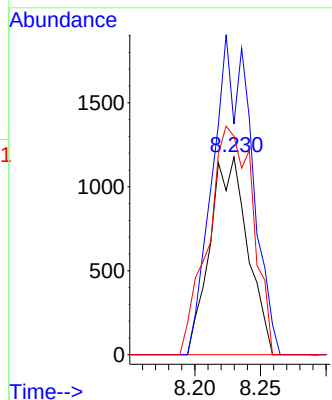


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

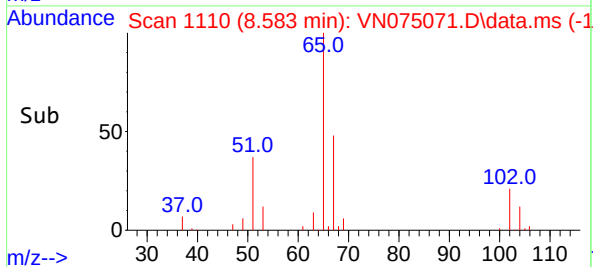
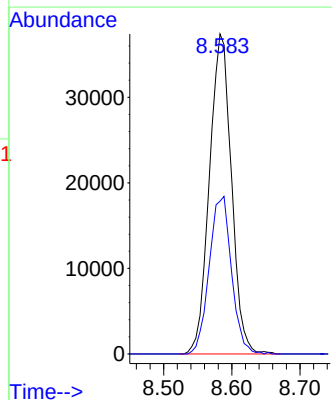
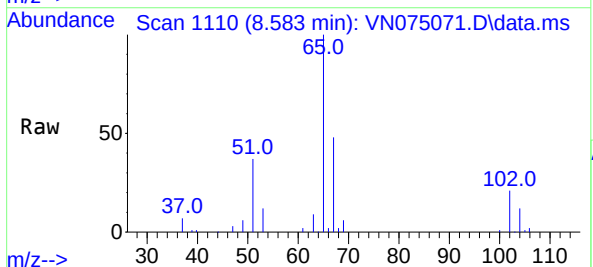


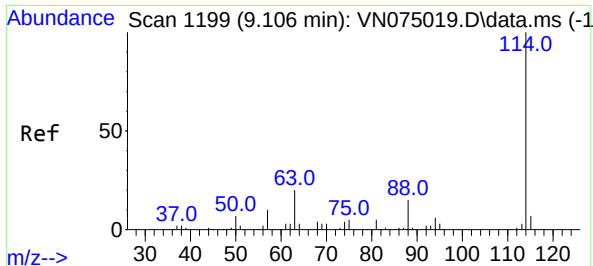
Tgt Ion: 56 Resp: 2350
Ion Ratio Lower Upper
56 100
69 116.7 25.2 37.8#
84 110.5 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 60.789 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 65 Resp: 83979
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.0

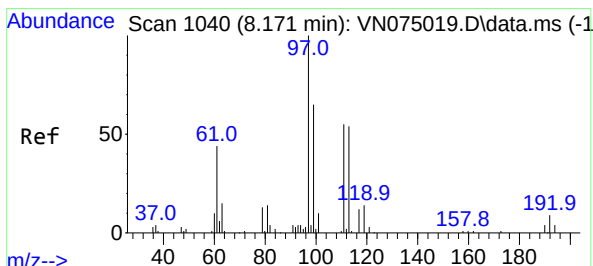
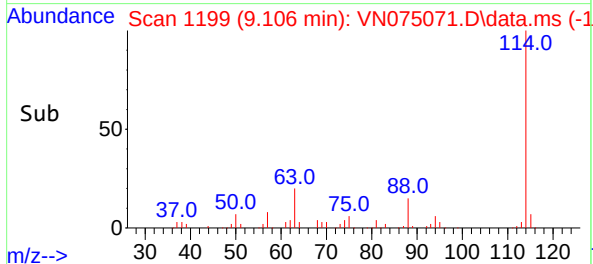
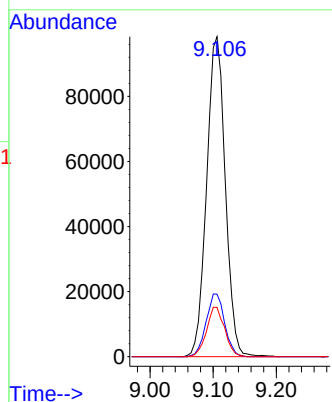
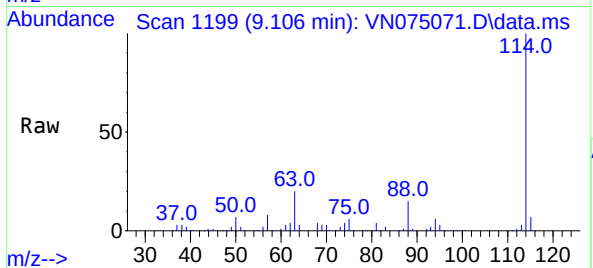




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

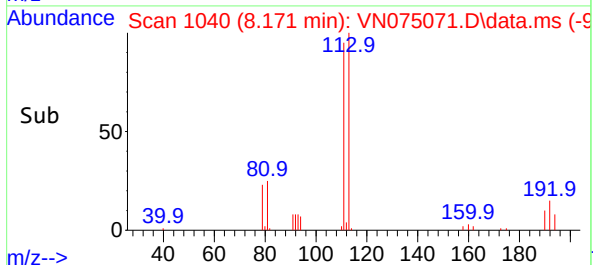
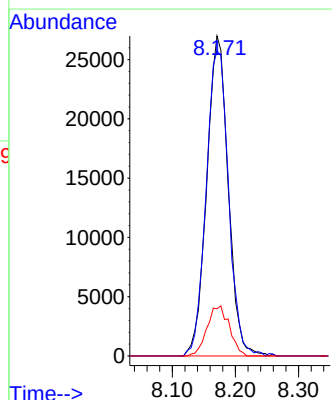
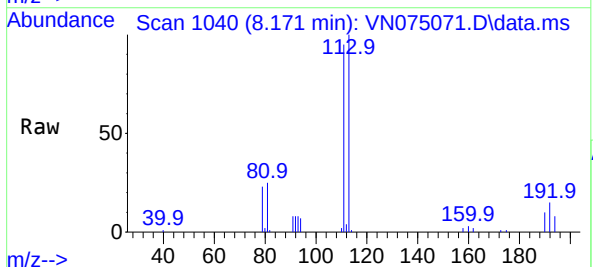
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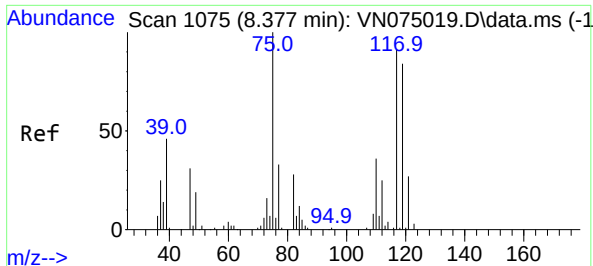
Tgt Ion:114 Resp: 201695
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.776 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion:113 Resp: 63673
Ion Ratio Lower Upper
113 100
111 99.6 80.5 120.7
192 16.2 13.2 19.8

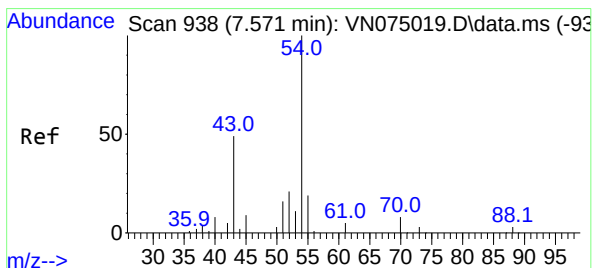
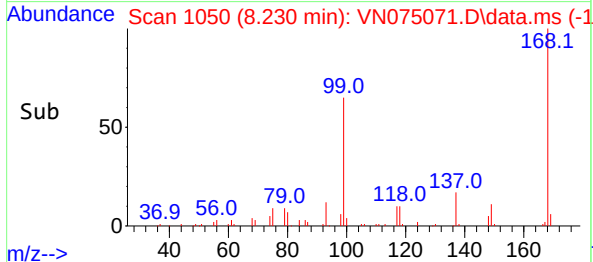
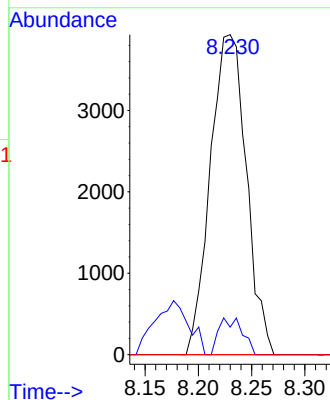
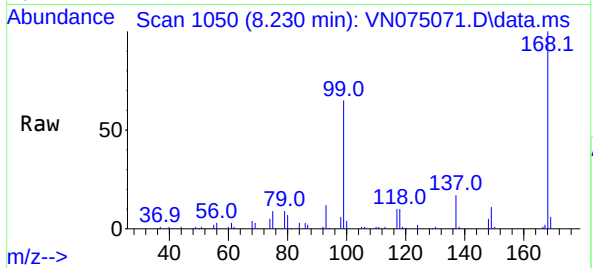




#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

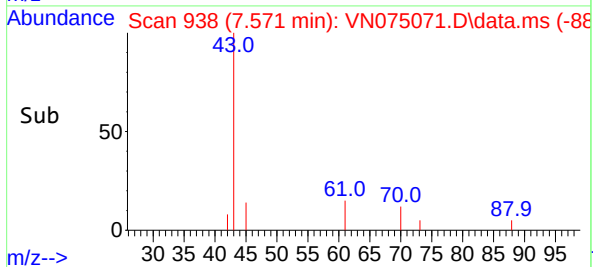
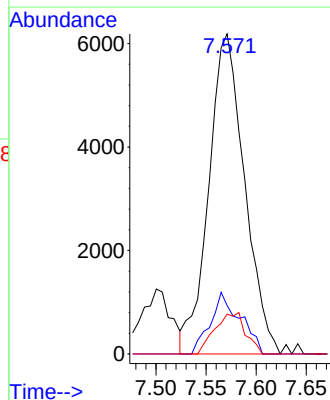
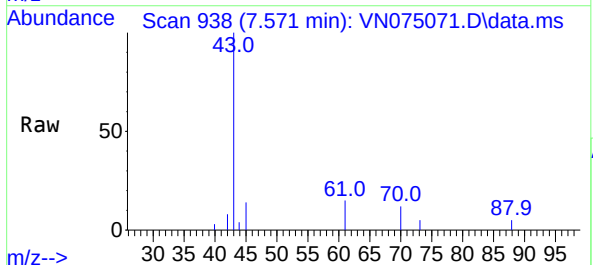
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

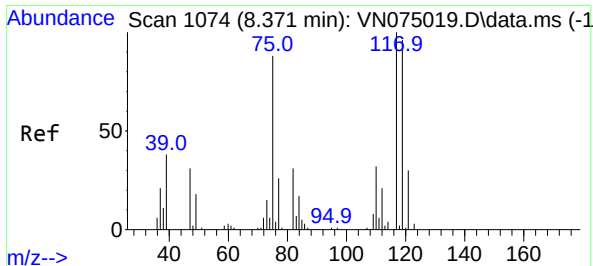
Tgt Ion: 75 Resp: 9249
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 7.631 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 43 Resp: 15341
Ion Ratio Lower Upper
43 100
61 16.1 12.2 18.4
70 11.0 9.4 14.2

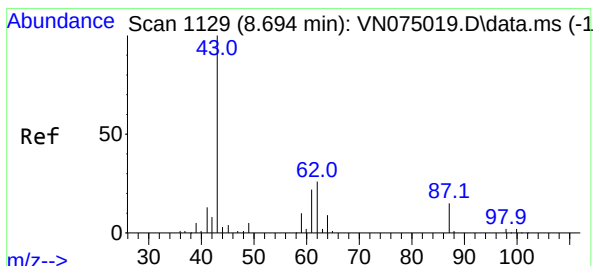
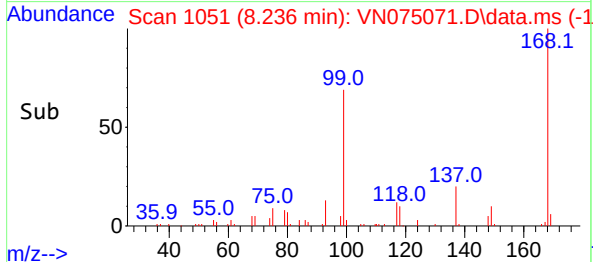
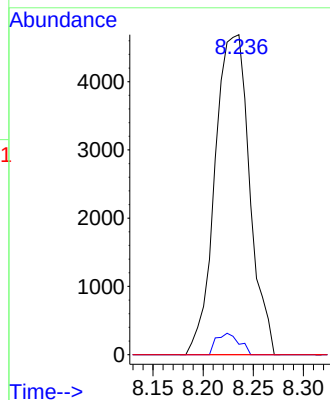
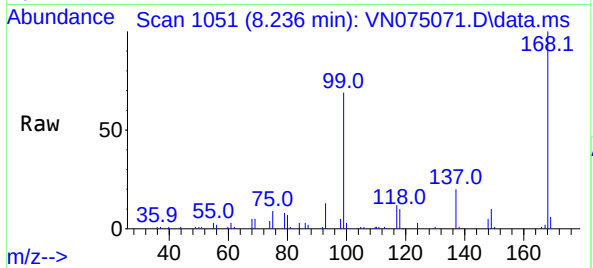




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 8.236 min Scan# 11051
Delta R.T. -0.135 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

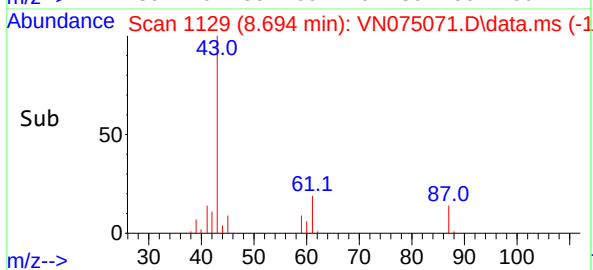
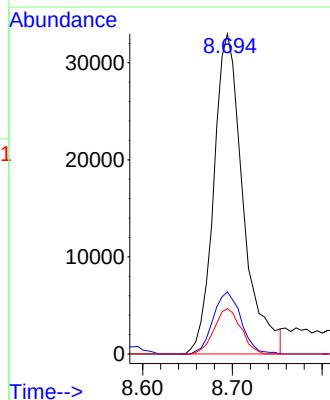
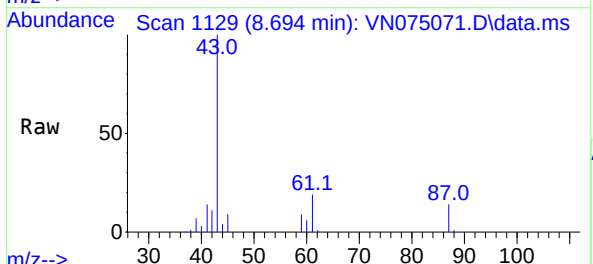
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

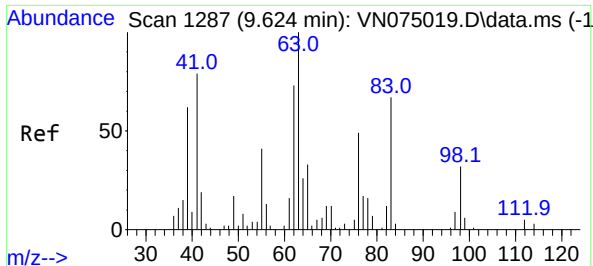
Tgt Ion:117 Resp: 11261
Ion Ratio Lower Upper
117 100
119 3.2 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 24.003 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 43 Resp: 74850
Ion Ratio Lower Upper
43 100
61 18.4 22.4 33.6#
87 12.9 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.609 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075071.D

Acq: 28 Oct 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :

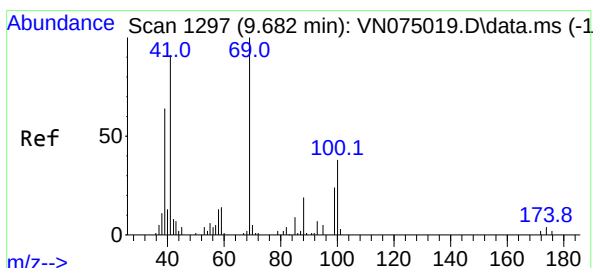
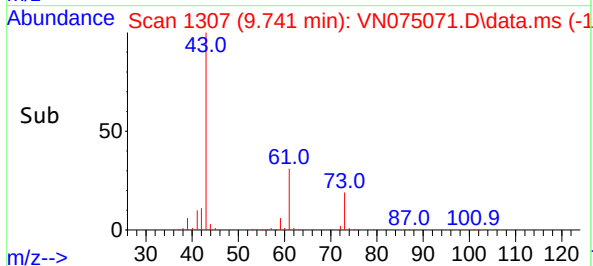
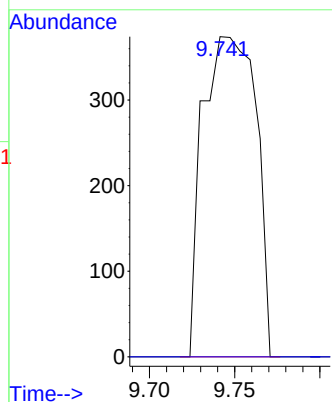
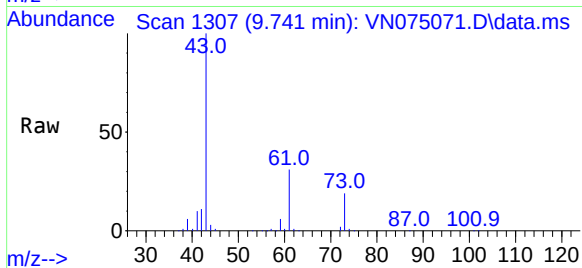
TCLP-VOC-GRAB-4-SE-QUARTER

Tgt Ion: 63 Resp: 813

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.536 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075071.D

Acq: 28 Oct 2022 19:24

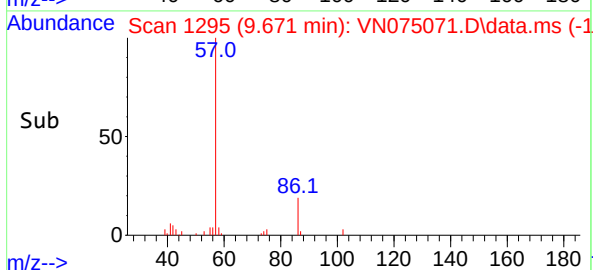
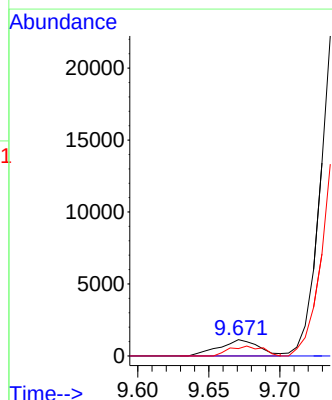
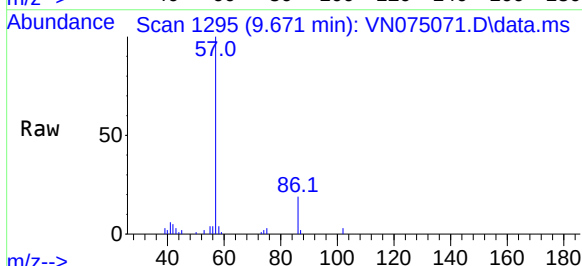
Tgt Ion: 41 Resp: 2197

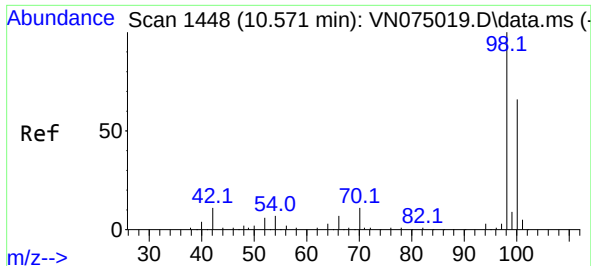
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 51.2 56.2 84.2#

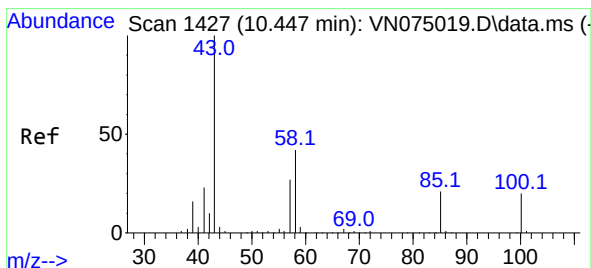
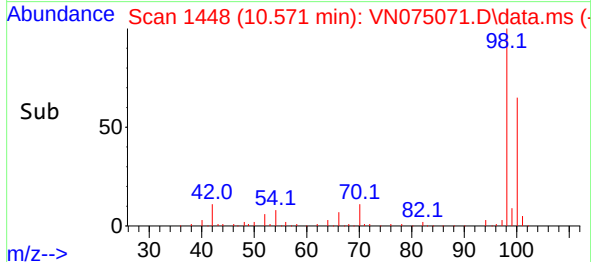
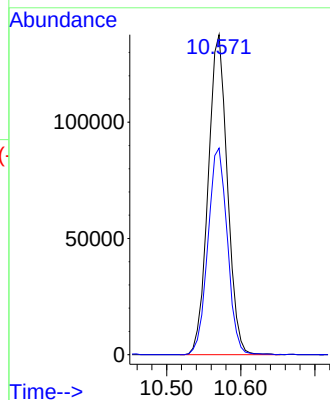
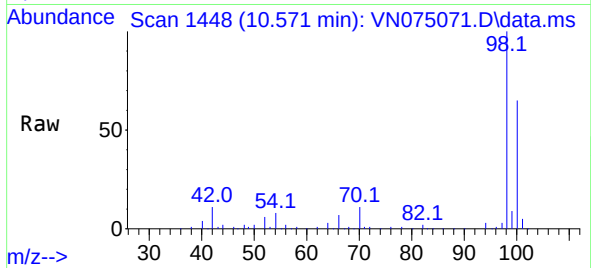




#50
Toluene-d8
Concen: 53.971 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

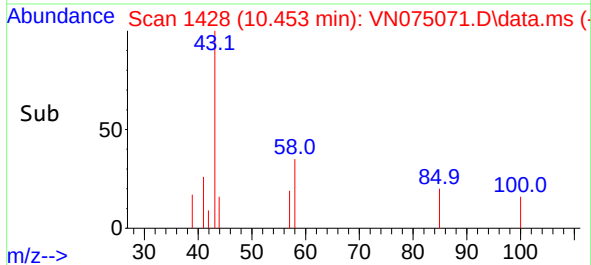
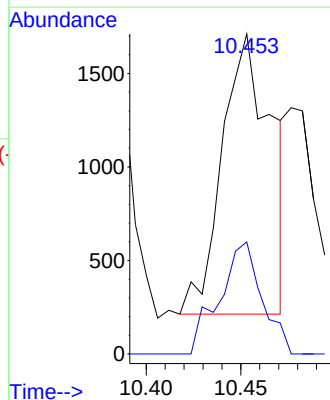
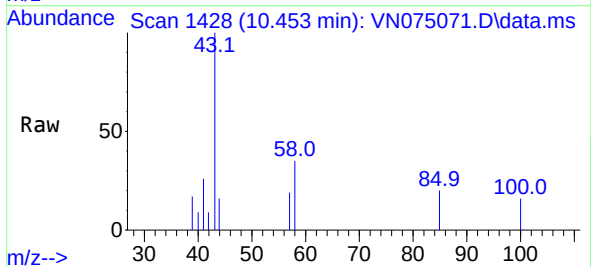
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-4-SE-QUARTER

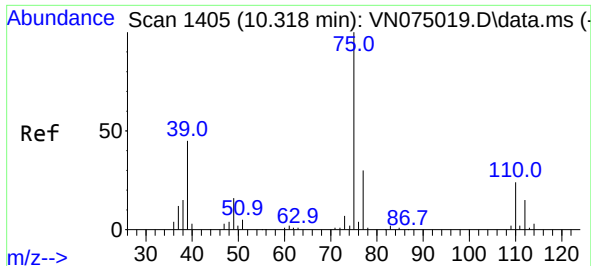
Tgt Ion: 98 Resp: 247933
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 34.5 33.6 50.4

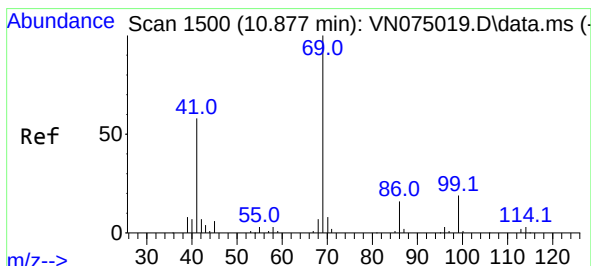
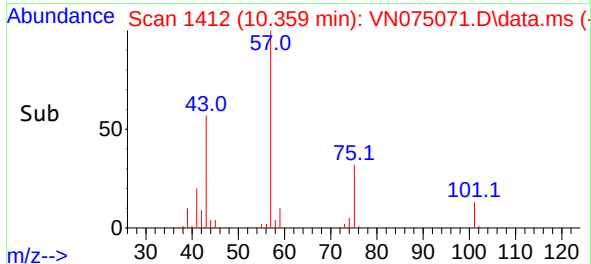
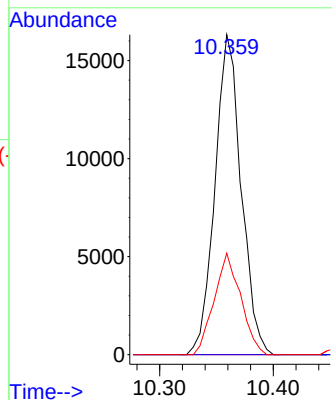
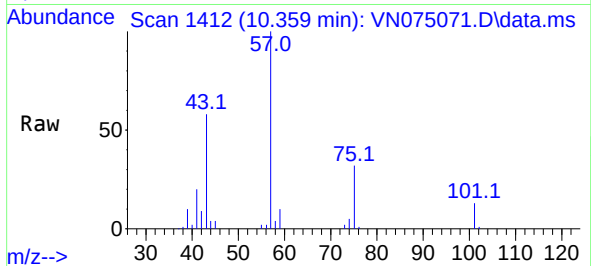




#54
 cis-1,3-Dichloropropene
 Concen: 11.610 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075071.D
 Acq: 28 Oct 2022 19:24

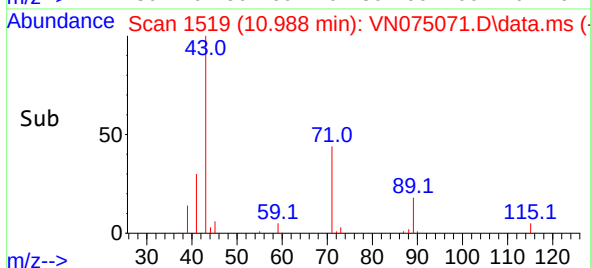
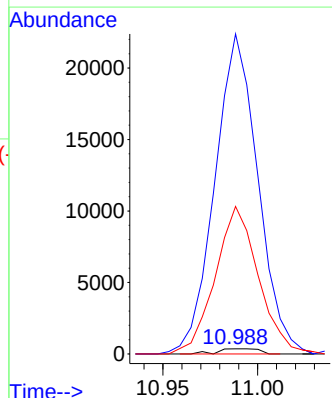
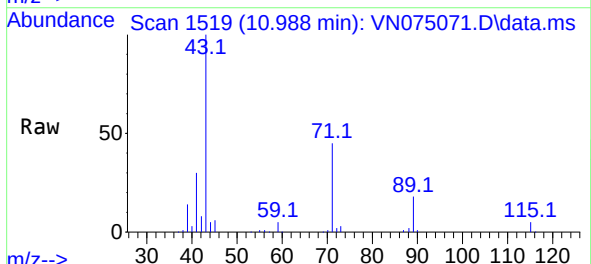
Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-4-SE-QUARTER

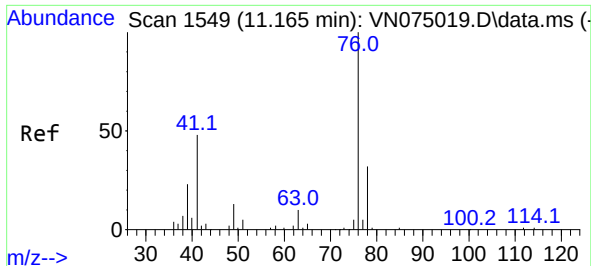
Tgt Ion: 75 Resp: 26194
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 31.7 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.241 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075071.D
 Acq: 28 Oct 2022 19:24

Tgt Ion: 69 Resp: 548
 Ion Ratio Lower Upper
 69 100
 41 6475.2 45.6 68.4#
 39 2993.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.372 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075071.D

Acq: 28 Oct 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :

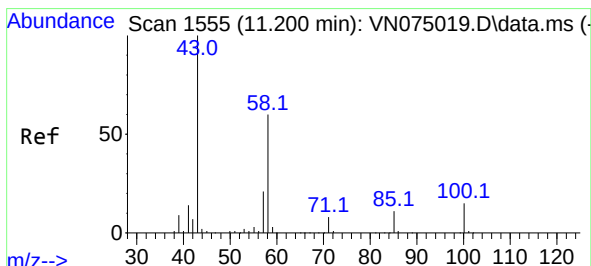
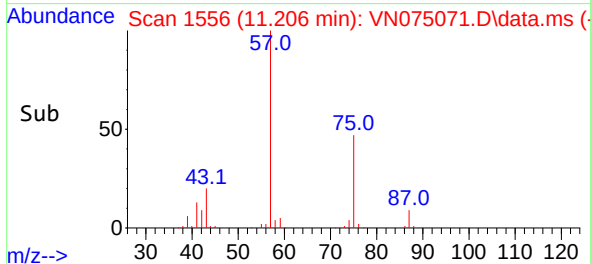
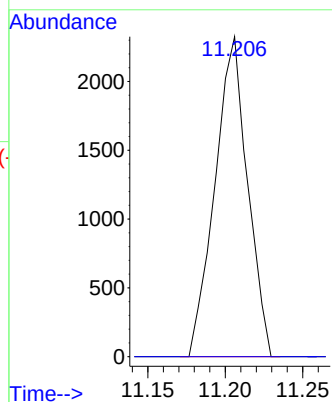
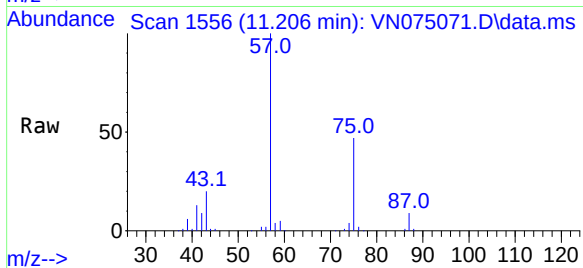
TCLP-VOC-GRAB-4-SE-QUARTER

Tgt Ion: 76 Resp: 3400

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.226 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.023 min

Lab File: VN075071.D

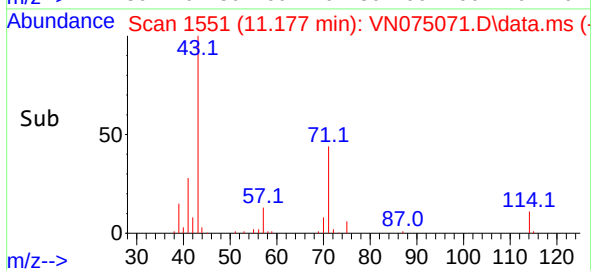
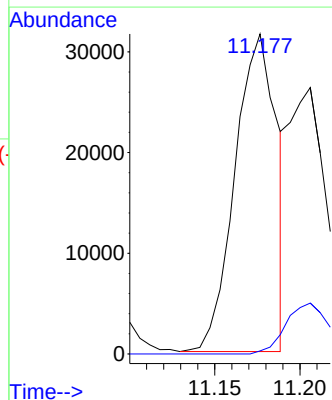
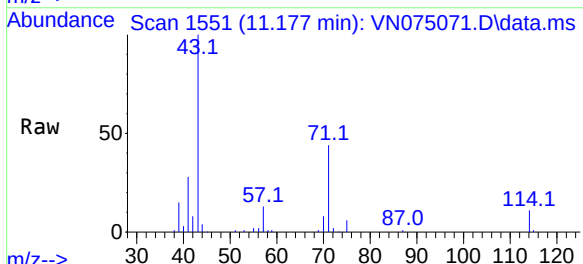
Acq: 28 Oct 2022 19:24

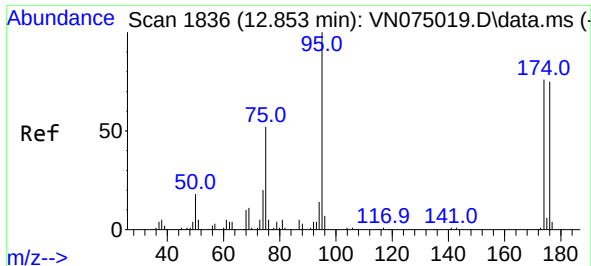
Tgt Ion: 43 Resp: 53798

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

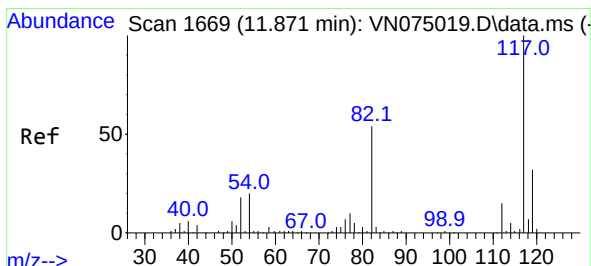
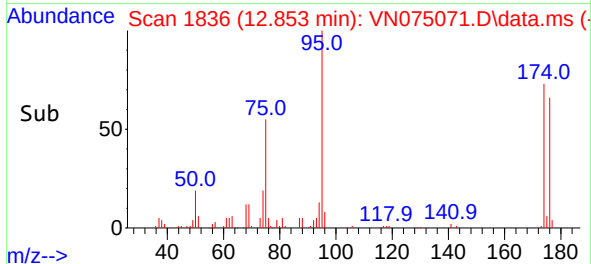
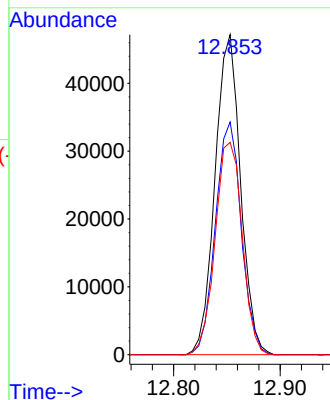
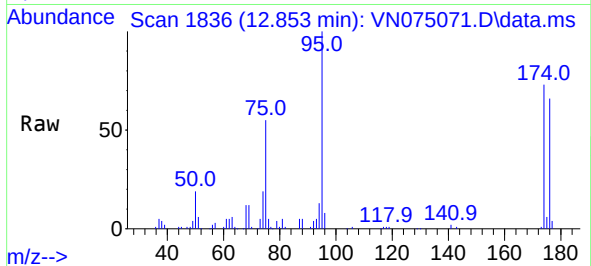




#62
4-Bromofluorobenzene
Concen: 48.629 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

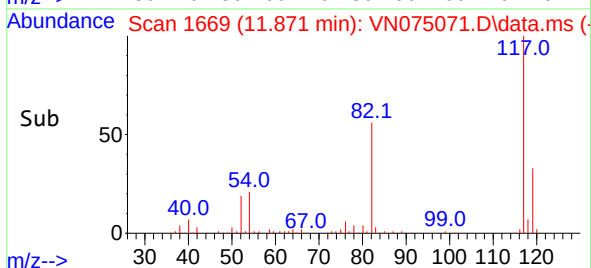
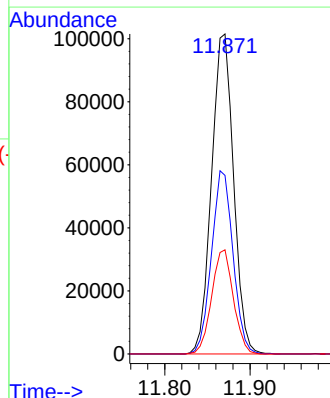
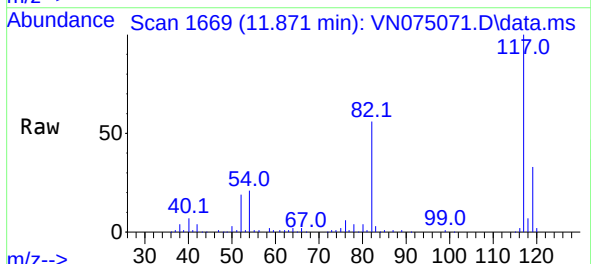
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-4-SE-QUARTER

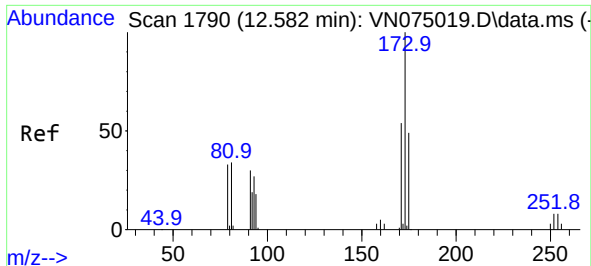
Tgt Ion: 95 Resp: 78474
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.4
176 70.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 117 Resp: 182068
Ion Ratio Lower Upper
117 100
82 55.8 43.1 64.7
119 32.5 25.5 38.3

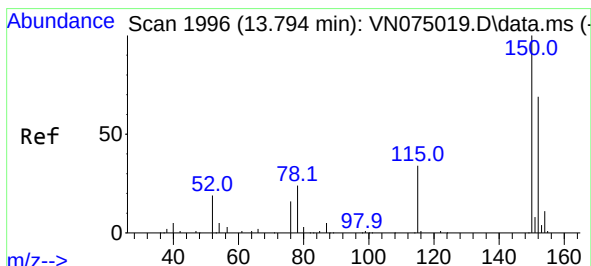
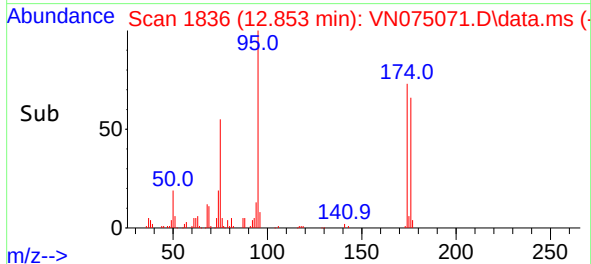
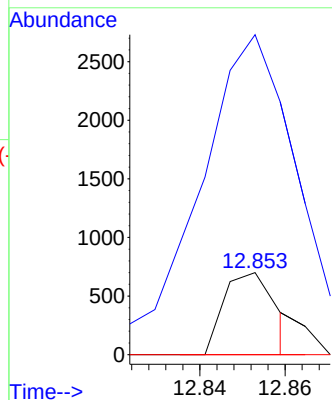
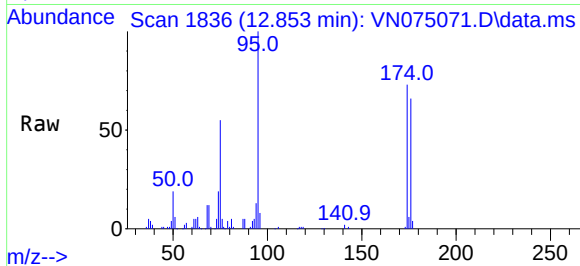




#71
Bromoform
Concen: 0.551 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

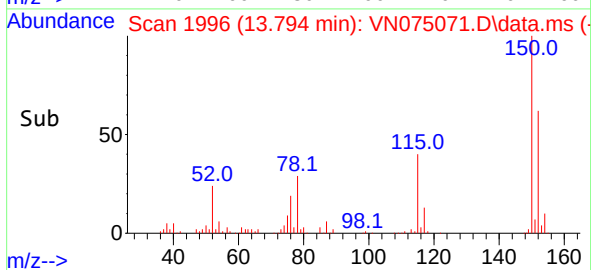
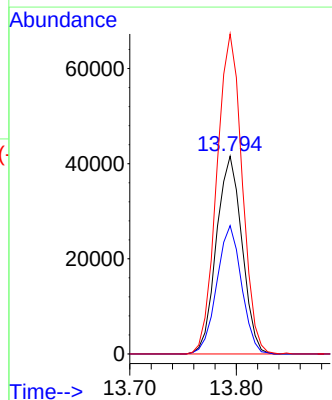
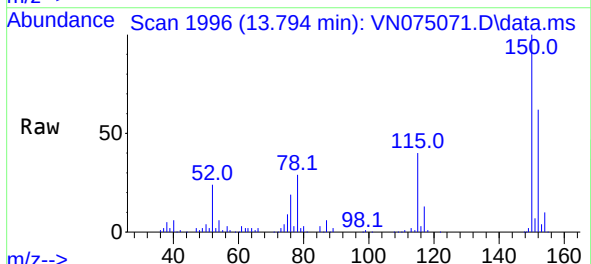
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

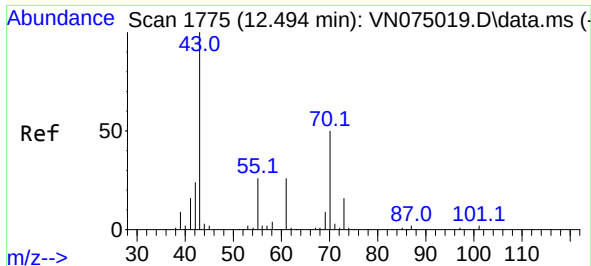
Tgt Ion:173 Resp: 595
Ion Ratio Lower Upper
173 100
175 618.3 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion:152 Resp: 69294
Ion Ratio Lower Upper
152 100
115 62.9 30.2 90.6
150 160.6 0.0 348.4

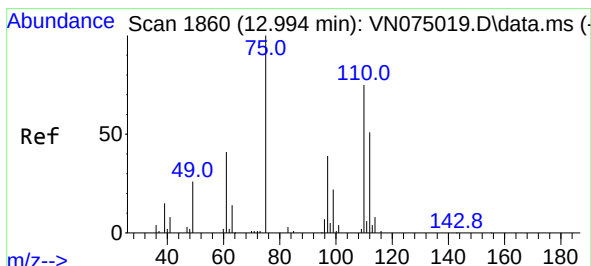
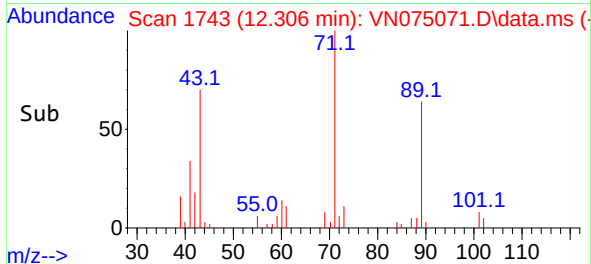
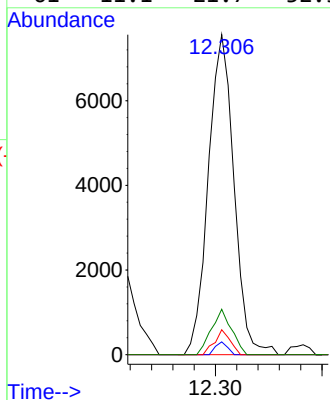
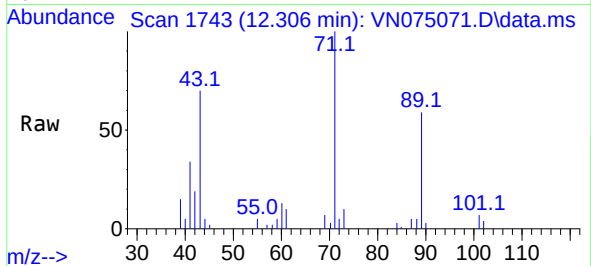




#74
N-amy1 acetate
Concen: 6.144 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

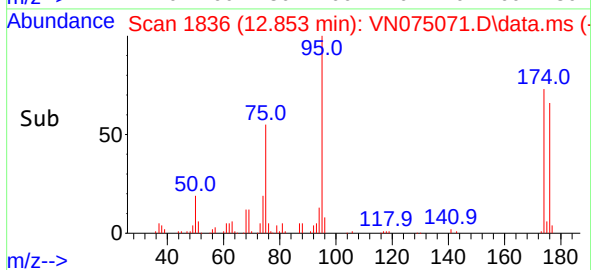
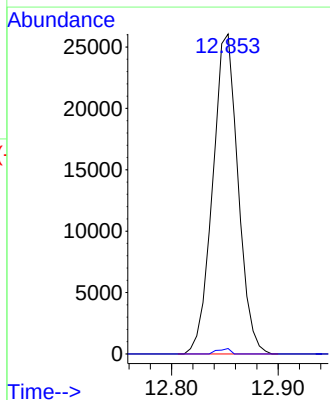
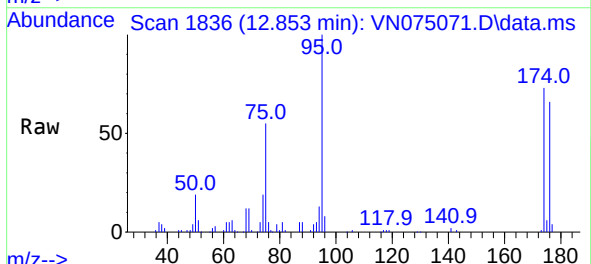
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-4-SE-QUARTER

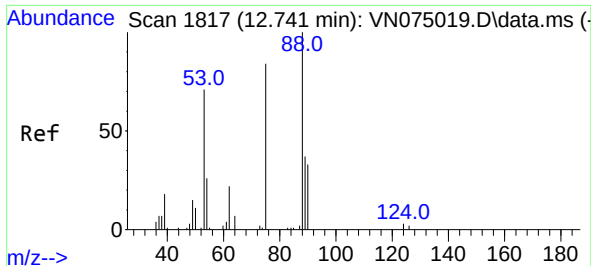
Tgt Ion: 43	Resp: 12641
Ion Ratio	Lower Upper
43 100	
70 1.8	39.8 59.8#
55 4.7	19.9 29.9#
61 11.1	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 29.288 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075071.D
Acq: 28 Oct 2022 19:24

Tgt Ion: 75	Resp: 43091
Ion Ratio	Lower Upper
75 100	
77 0.9	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.181 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075071.D
 Acq: 28 Oct 2022 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-4-SE-QUARTER

Tgt Ion: 75 Resp: 43091
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

