

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075073.D
 Acq On : 28 Oct 2022 20:12
 Operator : JC\MD
 Sample : N5316-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TCLP-VOC-GRAB-8-NE-QUARTER

Quant Time: Oct 31 03:10:32 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

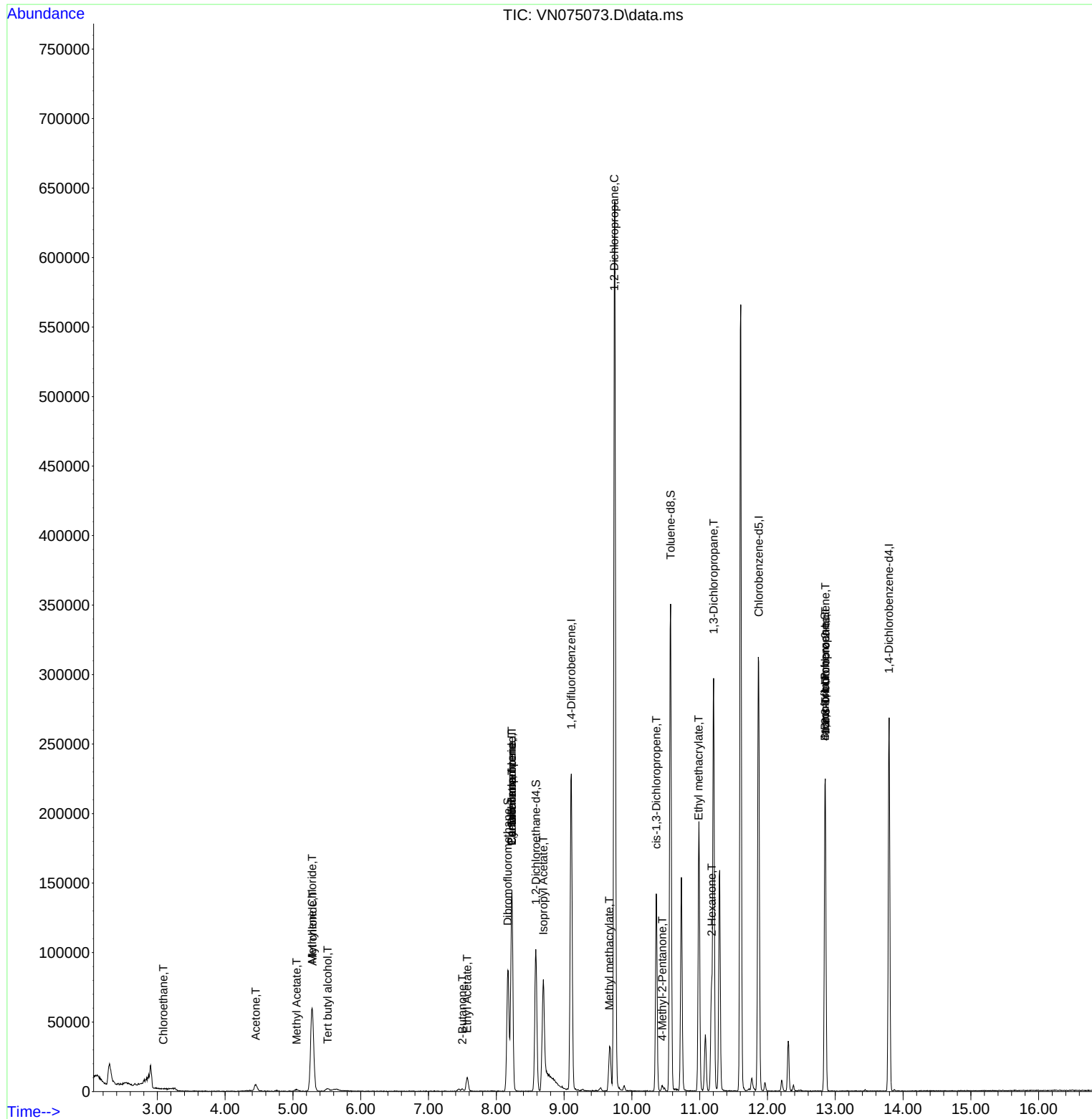
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	101422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	181957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	67868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	82256	60.193	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.380%			
35) Dibromofluoromethane	8.171	113	63176	53.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.580%			
50) Toluene-d8	10.571	98	242430	53.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.400%			
62) 4-Bromofluorobenzene	12.847	95	77239	48.252	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.500%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	199	Below Cal	#	76
6) Chloroethane	3.089	64	390	0.272	ug/l #	45
11) Tert butyl alcohol	5.512	59	2043	6.411	ug/l #	72
14) Allyl chloride	5.289	41	1069	0.681	ug/l #	19
16) Acetone	4.453	43	9291	16.057	ug/l	100
18) Methyl Acetate	5.053	43	3262	1.726	ug/l #	62
20) Methylene Chloride	5.283	84	50664	39.270	ug/l	93
25) 2-Butanone	7.500	43	2527	2.777	ug/l #	82
31) Cyclohexane	8.230	56	2584	1.271	ug/l #	59
36) 1,1-Dichloropropene	8.230	75	8786	4.832	ug/l #	49
37) Ethyl Acetate	7.571	43	15135	7.590	ug/l	97
38) Carbon Tetrachloride	8.230	117	11069	5.534	ug/l #	19
43) Isopropyl Acetate	8.694	43	99748	32.247	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	665	0.502	ug/l #	42
48) Methyl methacrylate	9.665	41	1990	1.402	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	2880	1.443	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	26382	11.788	ug/l #	68
56) Ethyl methacrylate	10.982	69	491	0.218	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3049	1.241	ug/l #	42
59) 2-Hexanone	11.177	43	54998	36.303	ug/l #	21
71) Bromoform	12.847	173	749	0.694	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	42754	29.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	42754	76.161	ug/l #	10

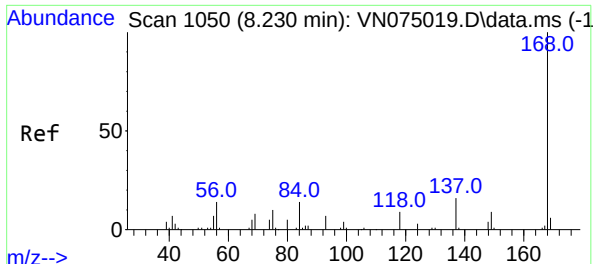
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TCLP-VOC-GRAB-8-NE-QUARTER

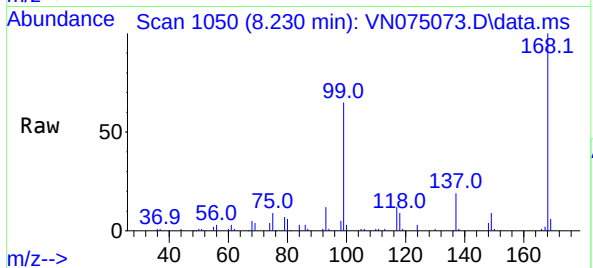
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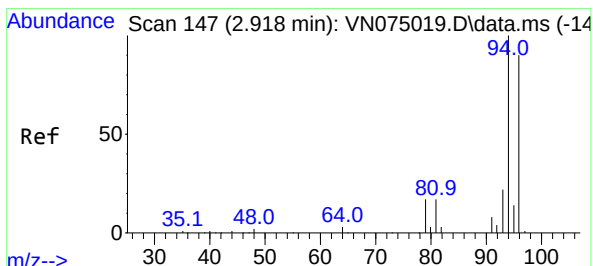
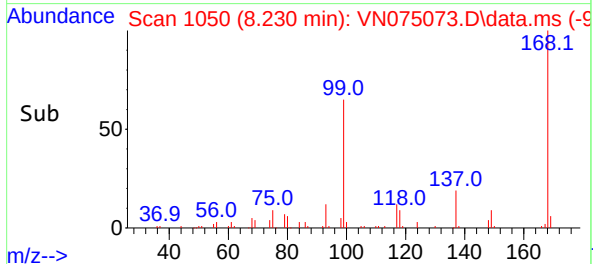
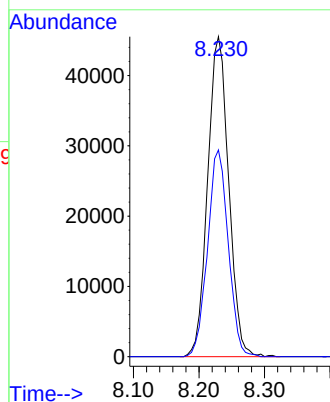


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
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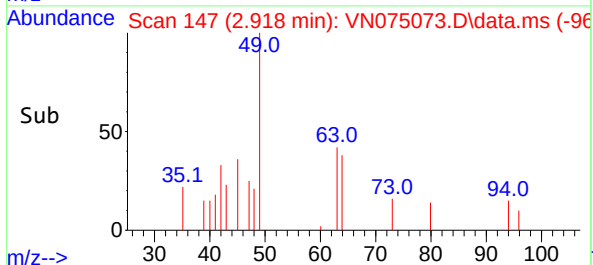
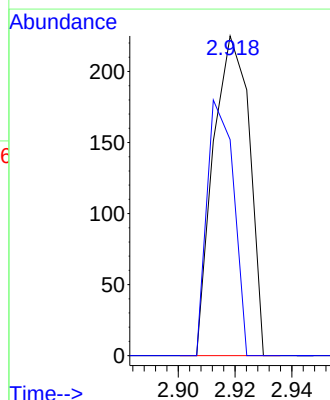
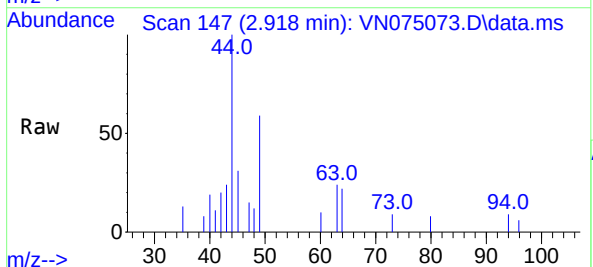


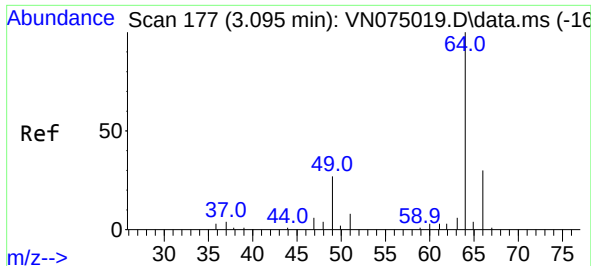
Tgt Ion:168 Resp: 101422
Ion Ratio Lower Upper
168 100
99 64.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 67.6 71.8 107.6#

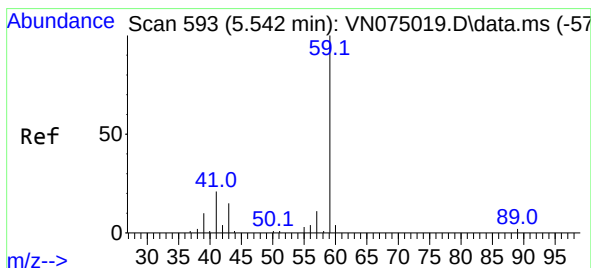
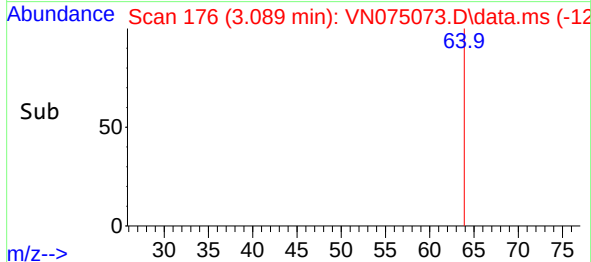
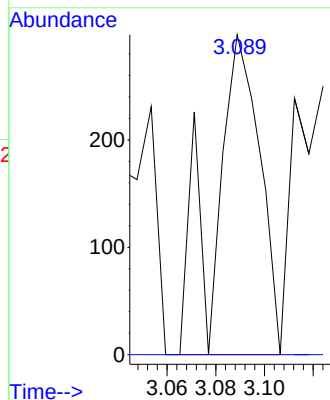
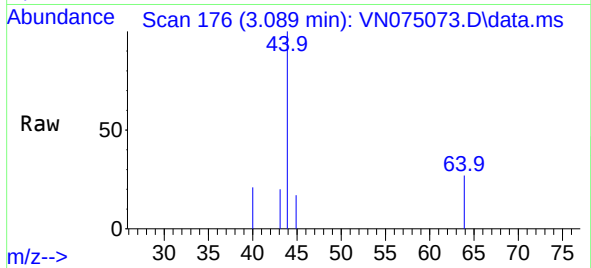




#6
Chloroethane
Concen: 0.272 ug/l
RT: 3.089 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

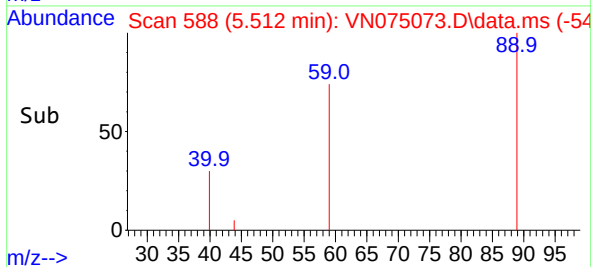
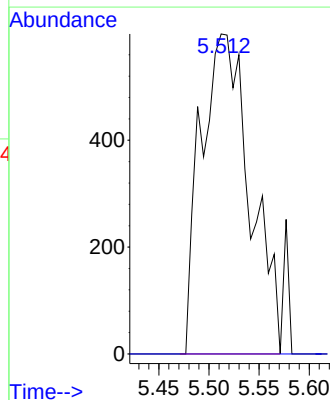
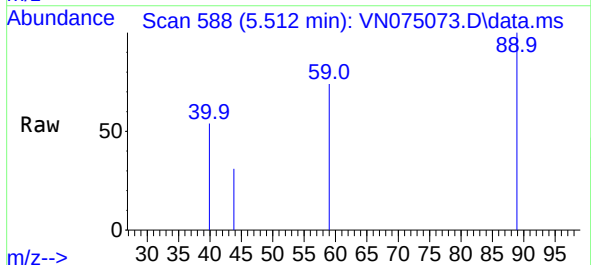
Instrument :
MSVOA_N
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TCLP-VOC-GRAB-8-NE-QUARTER

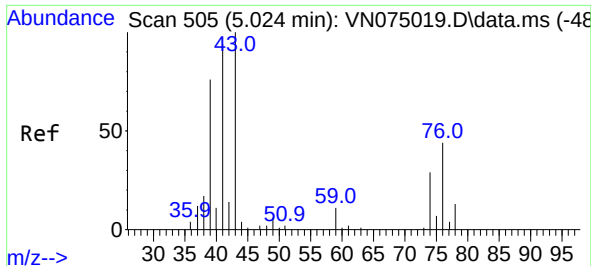
Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 6.411 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 59 Resp: 2043
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

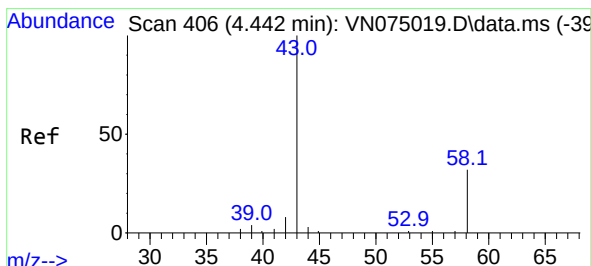
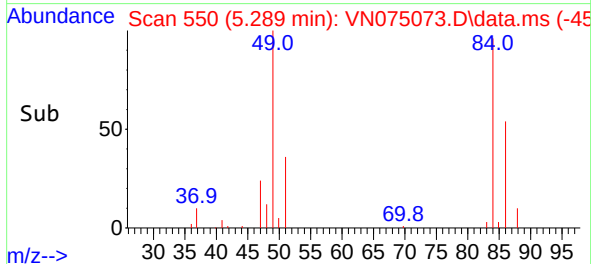
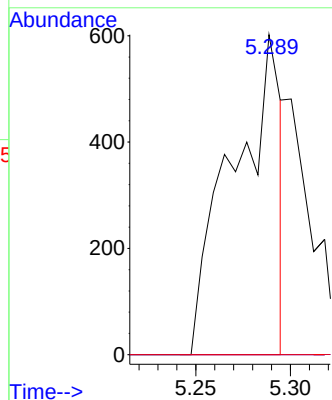
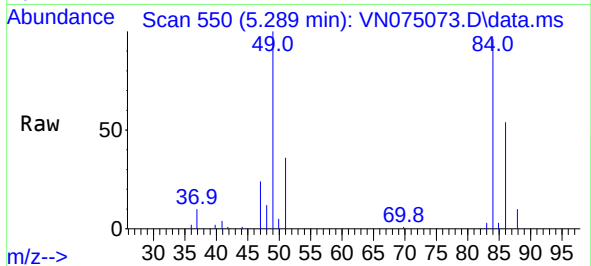




#14
 Allyl chloride
 Concen: 0.681 ug/l
 RT: 5.289 min Scan# 511
 Delta R.T. 0.265 min
 Lab File: VN075073.D
 Acq: 28 Oct 2022 20:12

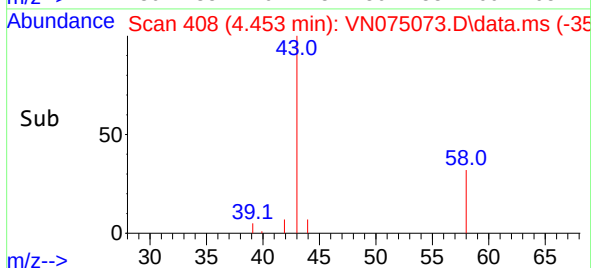
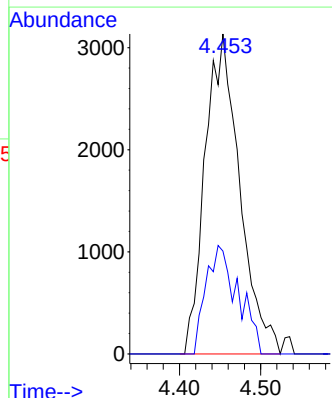
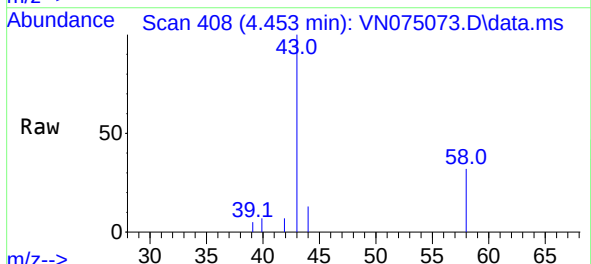
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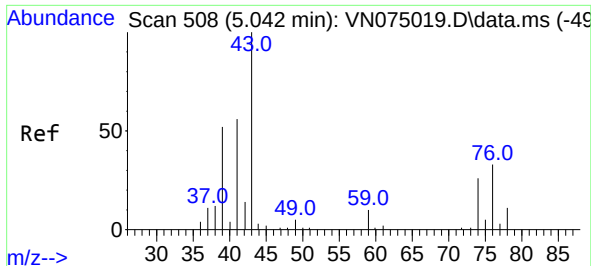
Tgt Ion: 41 Resp: 1069
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.0 91.4#
 76 0.0 33.4 50.0#



#16
 Acetone
 Concen: 16.057 ug/l
 RT: 4.453 min Scan# 408
 Delta R.T. 0.011 min
 Lab File: VN075073.D
 Acq: 28 Oct 2022 20:12

Tgt Ion: 43 Resp: 9291
 Ion Ratio Lower Upper
 43 100
 58 32.1 25.5 38.3

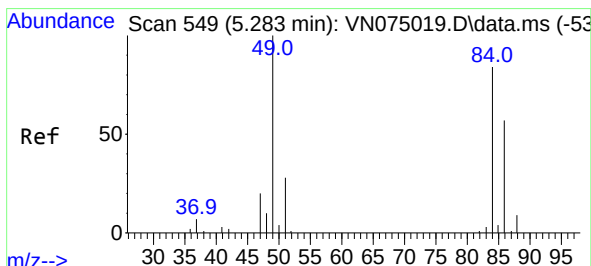
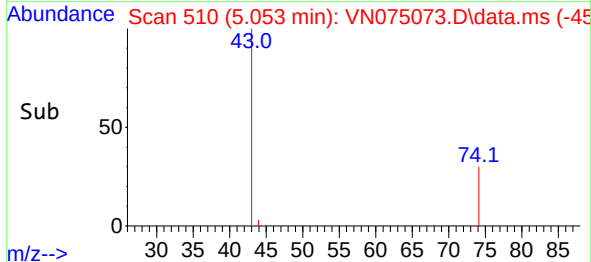
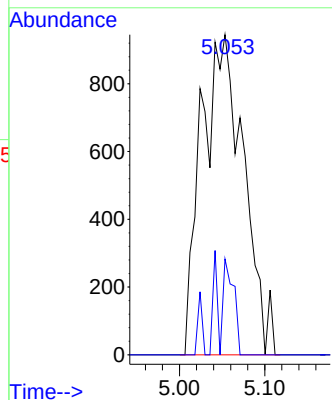
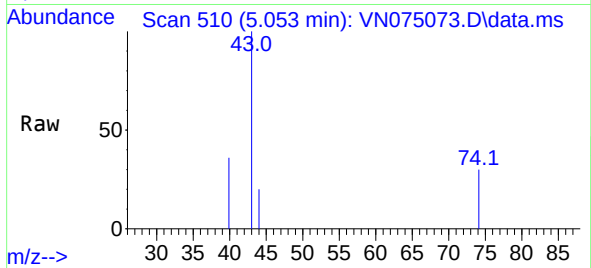




#18
Methyl Acetate
Concen: 1.726 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

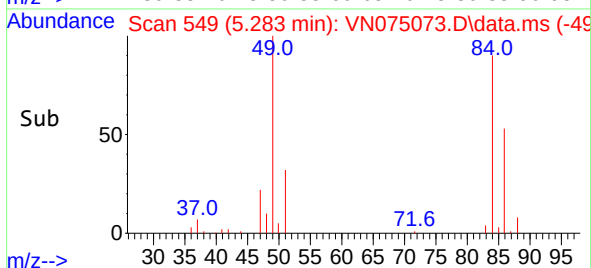
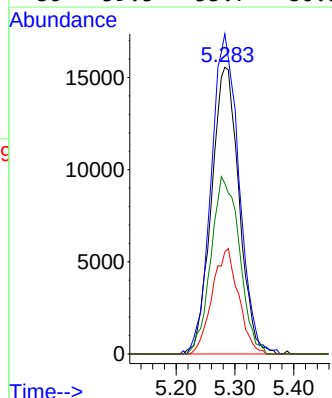
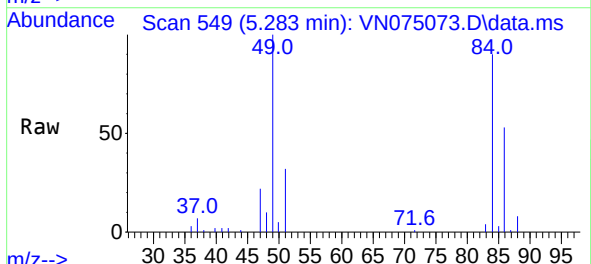
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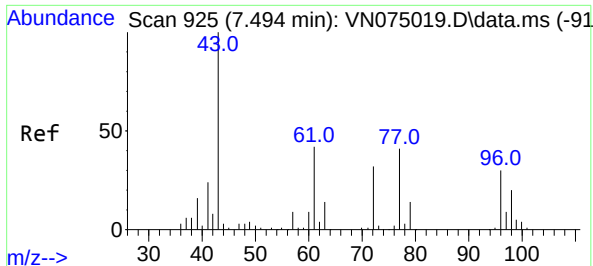
Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
74 7.5 22.0 33.0#



#20
Methylene Chloride
Concen: 39.270 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 84 Resp: 50664
Ion Ratio Lower Upper
84 100
49 111.6 94.9 142.3
51 35.6 26.8 40.2
86 59.5 53.7 80.5

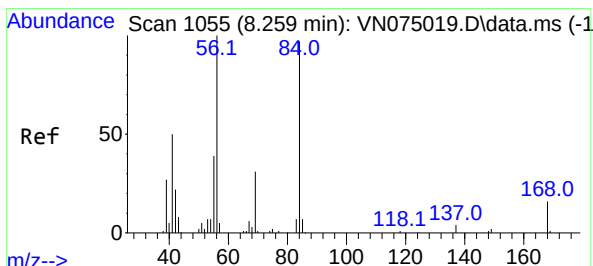
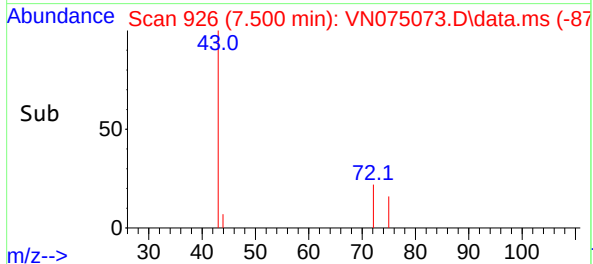
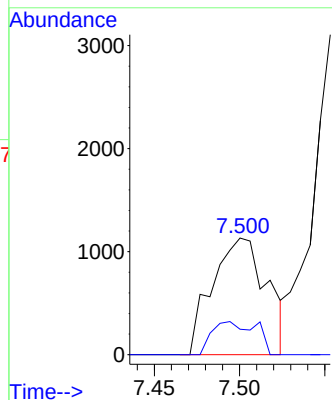
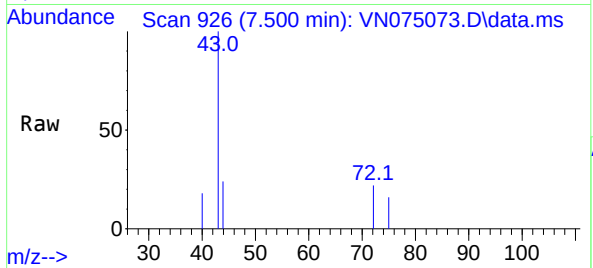




#25
2-Butanone
Concen: 2.777 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

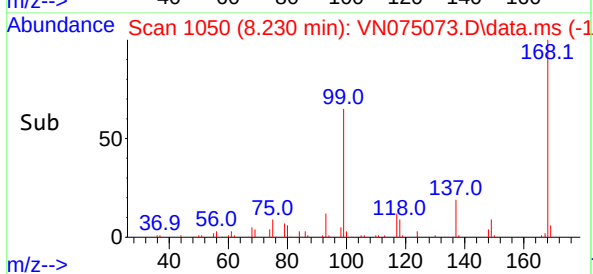
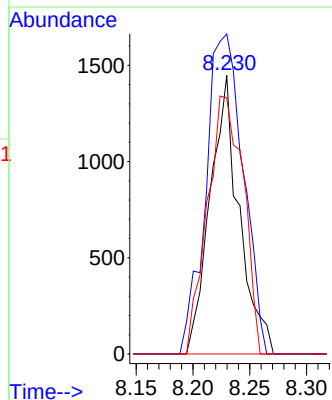
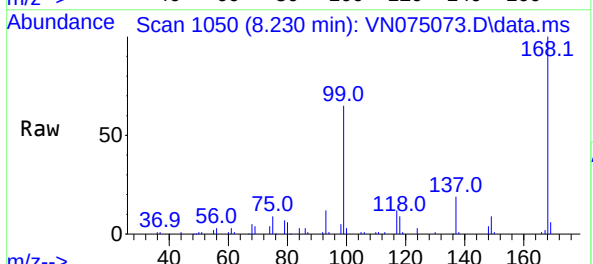
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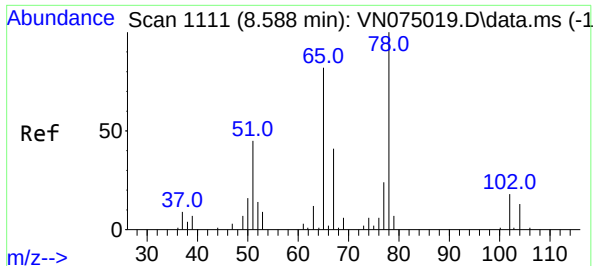
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
72 21.8 25.5 38.3#



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 56 Resp: 2584
Ion Ratio Lower Upper
56 100
69 114.8 25.2 37.8#
84 91.9 77.8 116.8

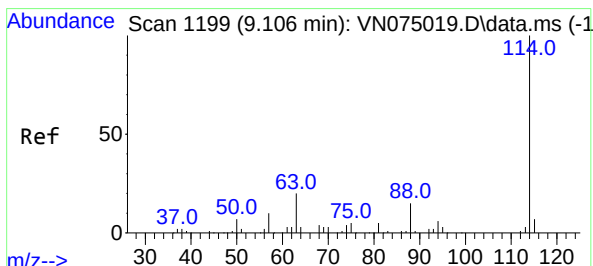
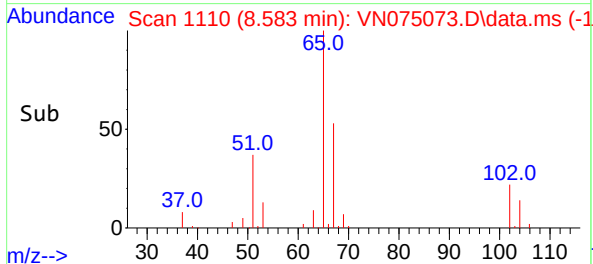
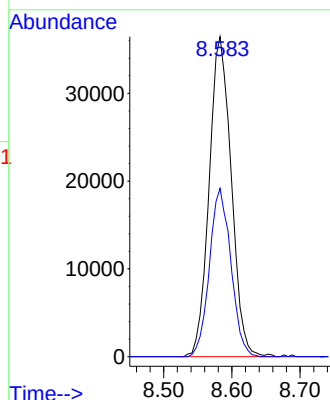
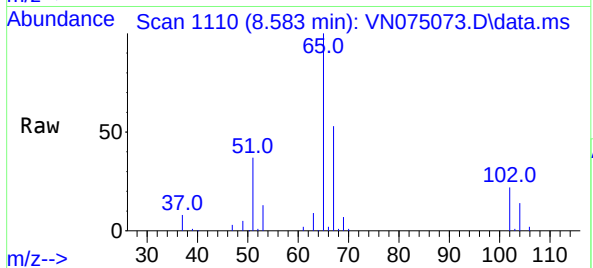




#33
1,2-Dichloroethane-d4
Concen: 60.193 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

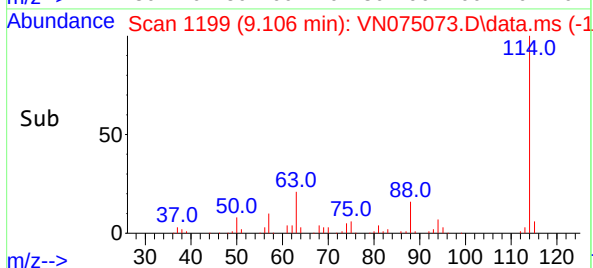
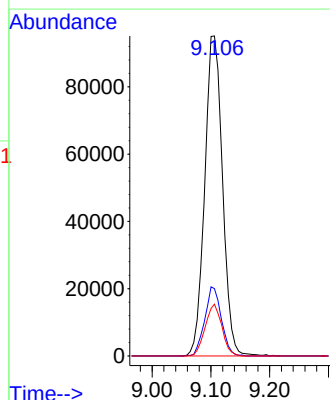
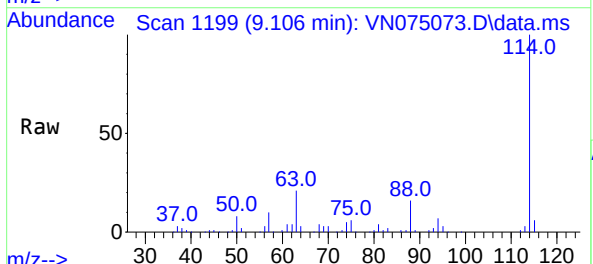
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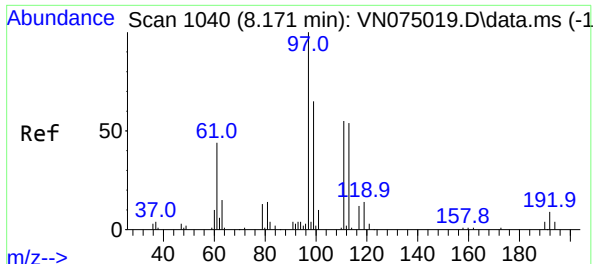
Tgt Ion: 65 Resp: 82256
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 114 Resp: 200074
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.6
88 16.2 0.0 29.0

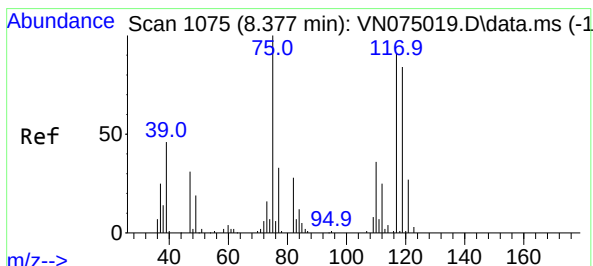
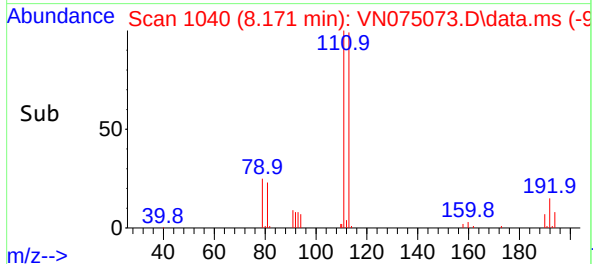
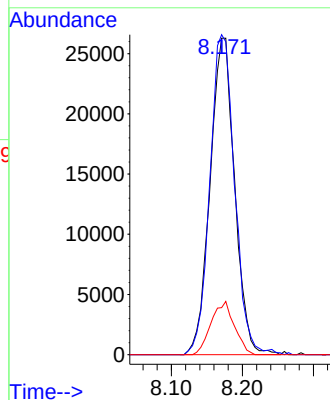
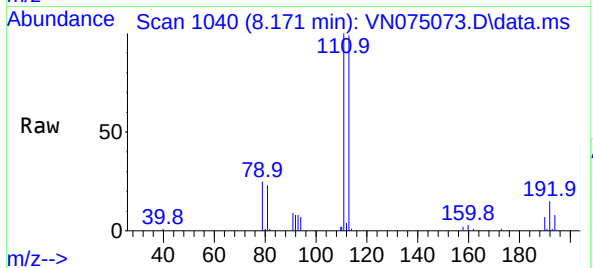




#35
Dibromofluoromethane
Concen: 53.788 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

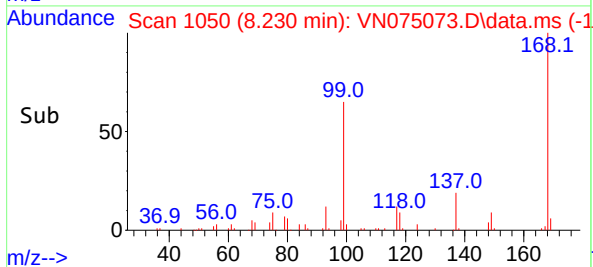
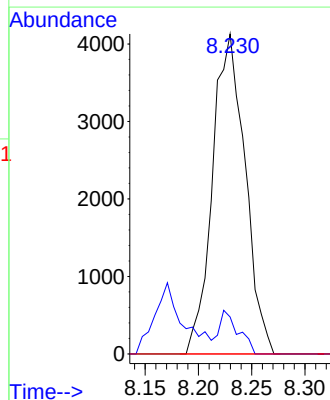
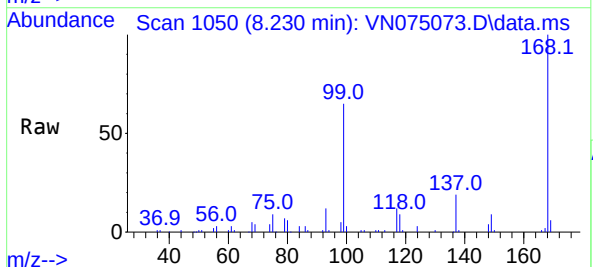
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-8-NE-QUARTER

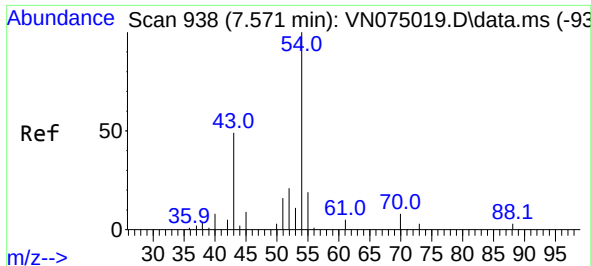
Tgt Ion:113 Resp: 63176
Ion Ratio Lower Upper
113 100
111 101.8 80.5 120.7
192 16.0 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.832 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 75 Resp: 8786
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 24.6 37.0#

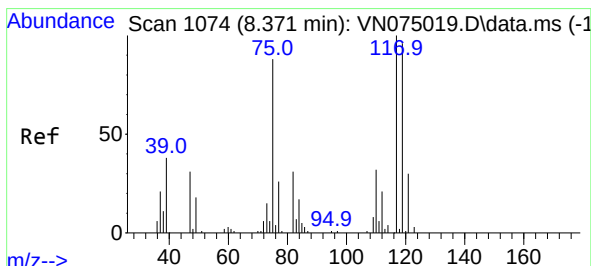
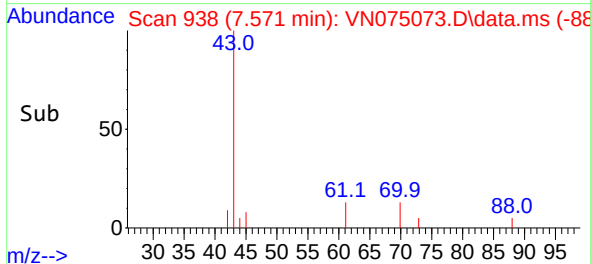
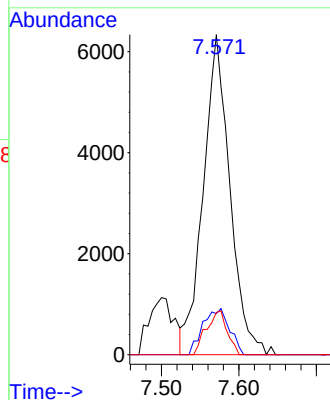
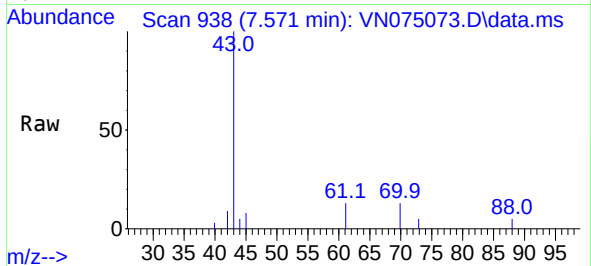




#37
Ethyl Acetate
Concen: 7.590 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

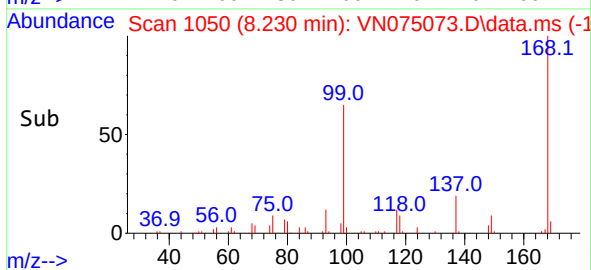
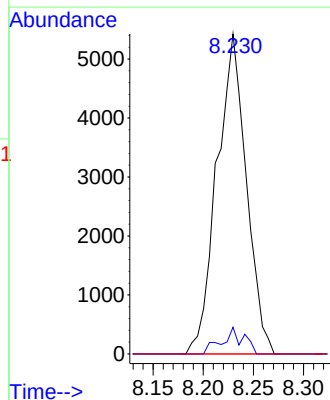
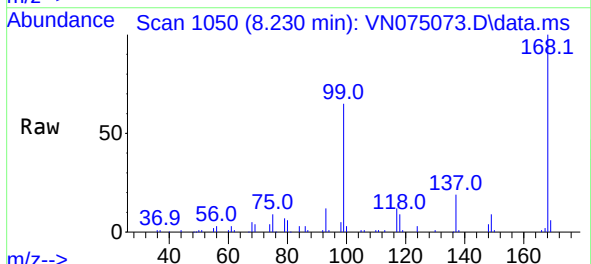
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-8-NE-QUARTER

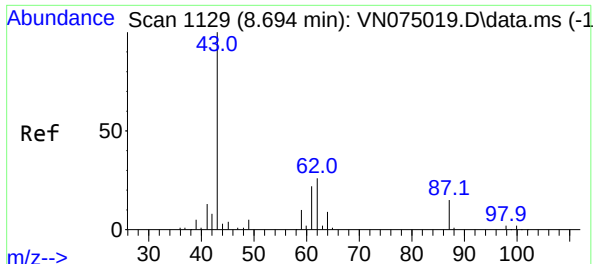
Tgt Ion:	43	Resp:	15135
Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.2	18.4
70	10.6	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion:	117	Resp:	11069
Ion	Ratio	Lower	Upper
117	100		
119	8.4	76.7	115.1#
121	0.0	23.9	35.9#

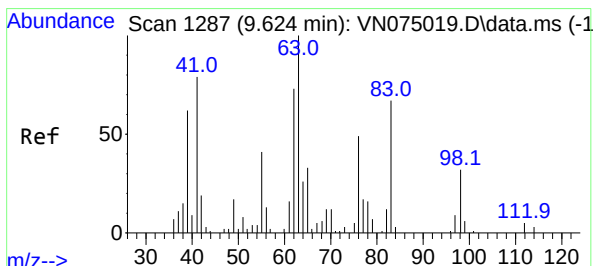
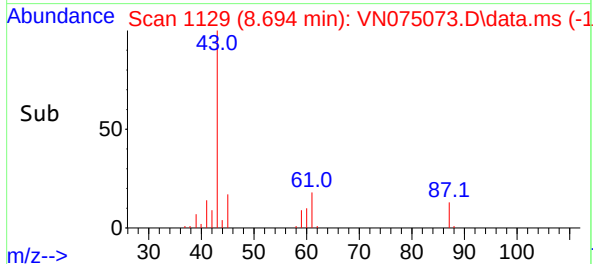
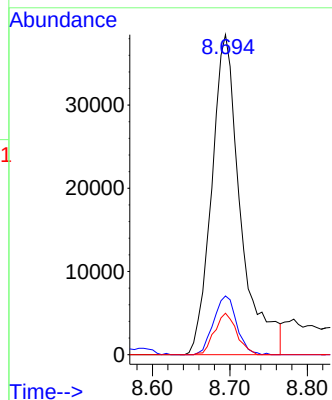
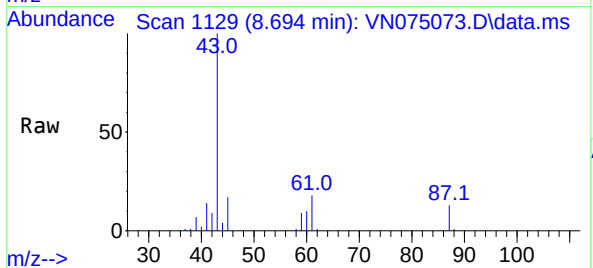




#43
Isopropyl Acetate
Concen: 32.247 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

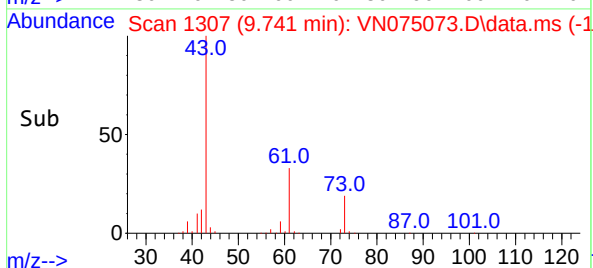
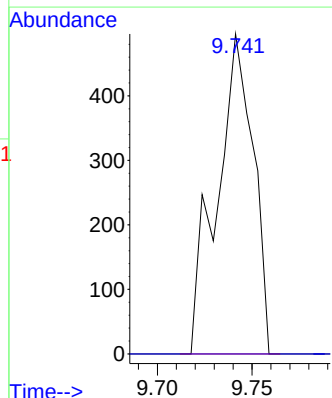
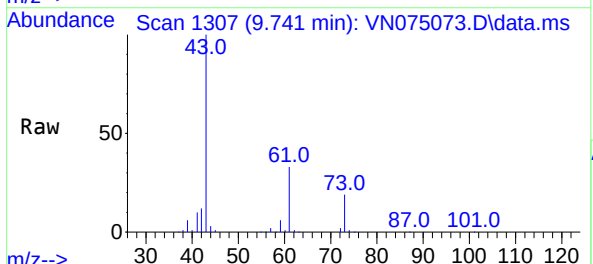
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-8-NE-QUARTER

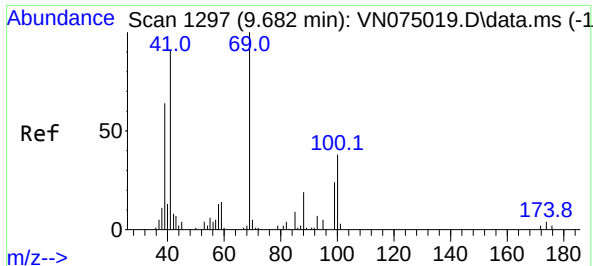
Tgt Ion: 43 Resp: 99748
Ion Ratio Lower Upper
43 100
61 14.7 22.4 33.6#
87 9.9 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.502 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 63 Resp: 665
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

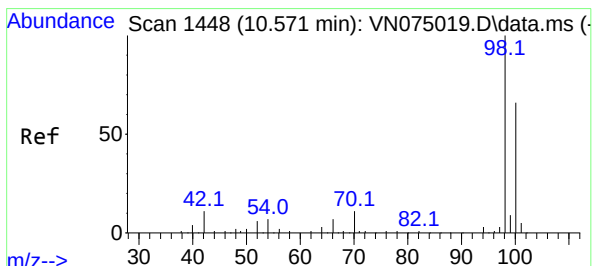
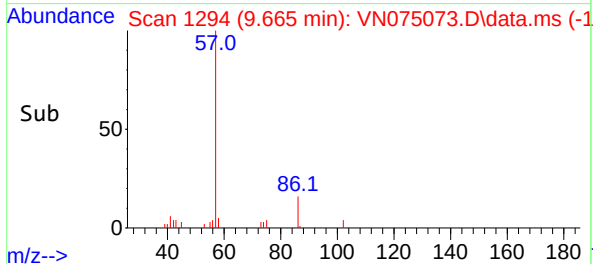
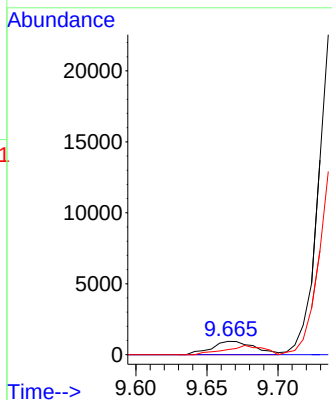
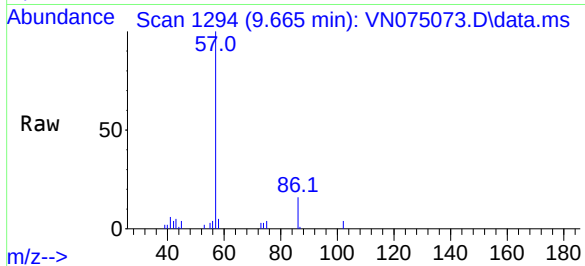




#48
Methyl methacrylate
Concen: 1.402 ug/l
RT: 9.665 min Scan# 1297
Delta R.T. -0.017 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

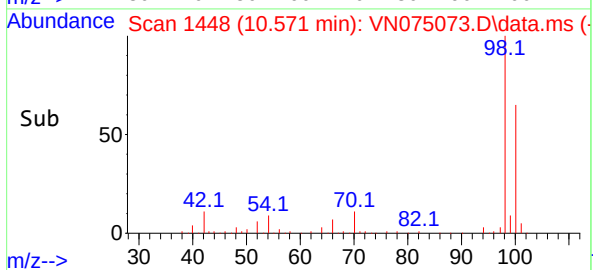
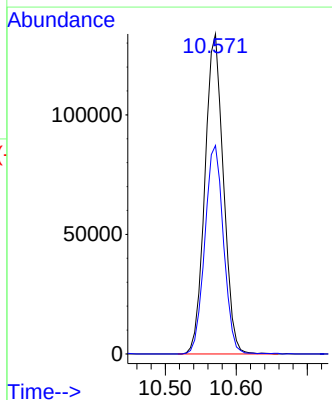
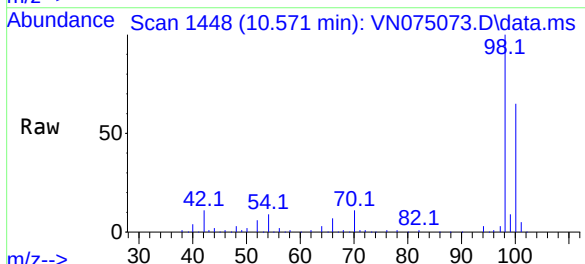
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-8-NE-QUARTER

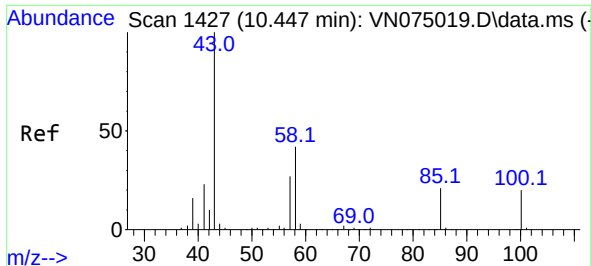
Tgt Ion: 41 Resp: 1990
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.9 56.2 84.2



#50
Toluene-d8
Concen: 53.201 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 98 Resp: 242430
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6

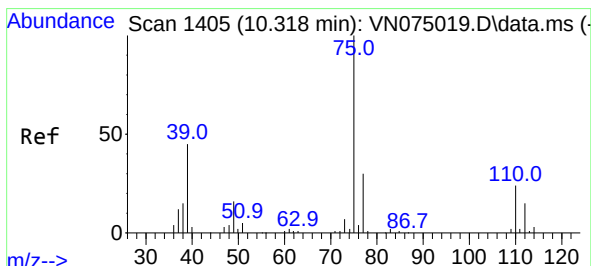
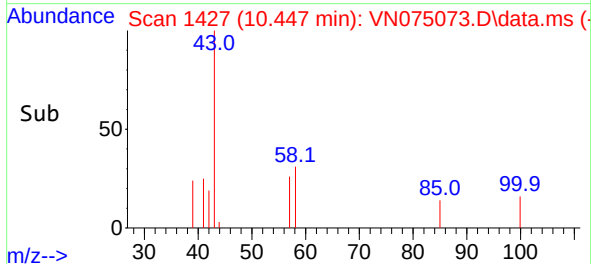
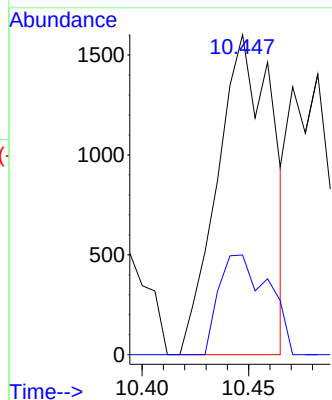
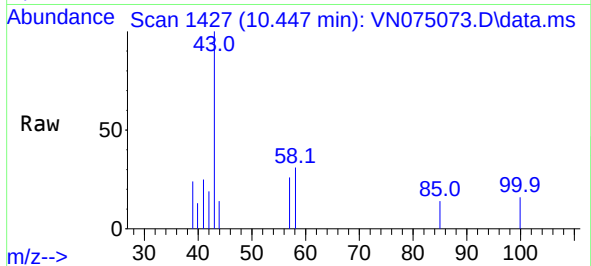




#51
4-Methyl-2-Pentanone
Concen: 1.443 ug/l
RT: 10.447 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

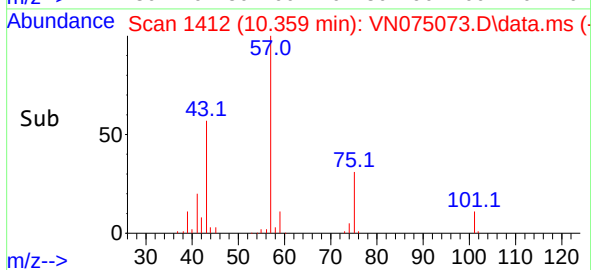
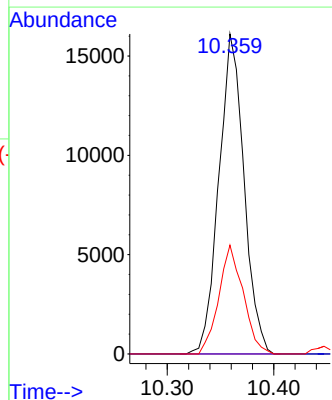
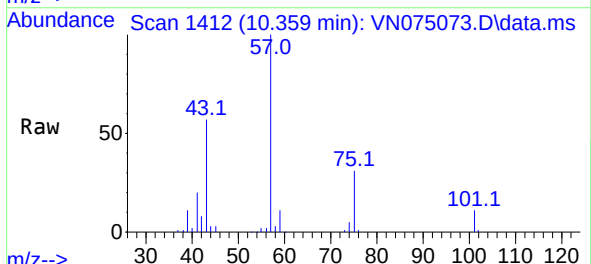
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-8-NE-QUARTER

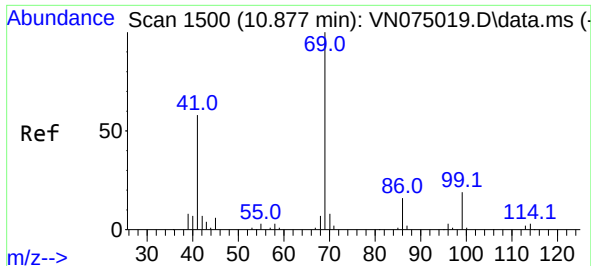
Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
58 28.0 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 11.788 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 75 Resp: 26382
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 34.0 35.8 53.6#

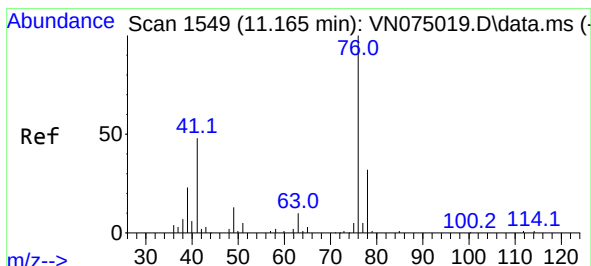
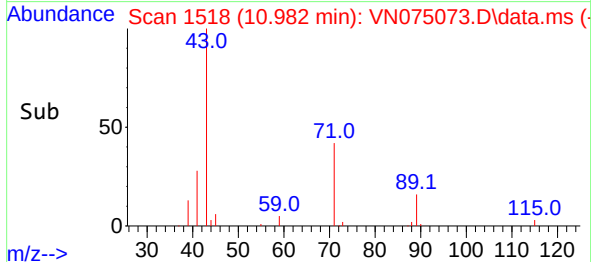
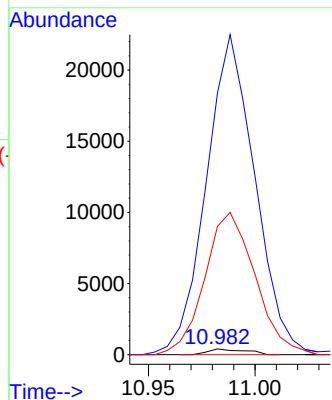
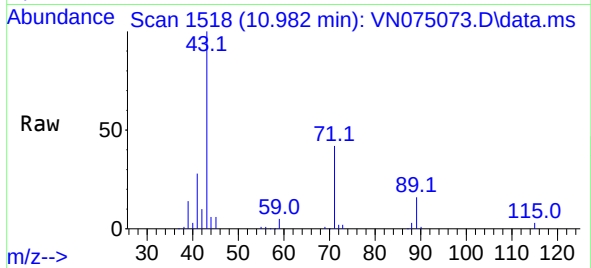




#56
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

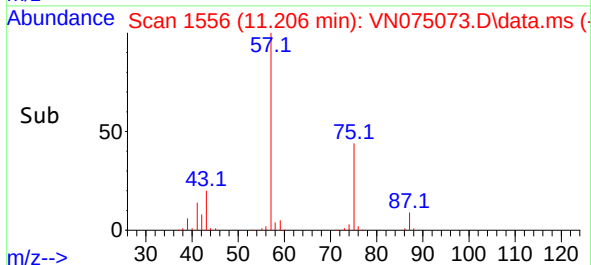
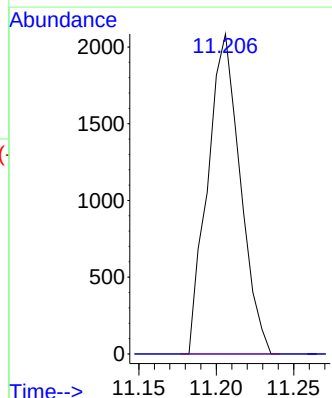
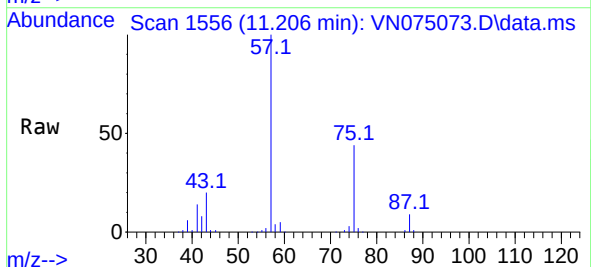
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-8-NE-QUARTER

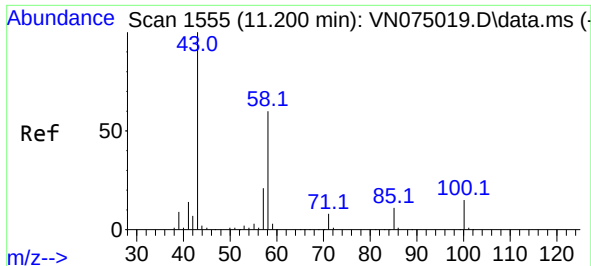
Tgt Ion: 69 Resp: 491
Ion Ratio Lower Upper
69 100
41 7321.2 45.6 68.4#
39 3356.8 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.241 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 76 Resp: 3049
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

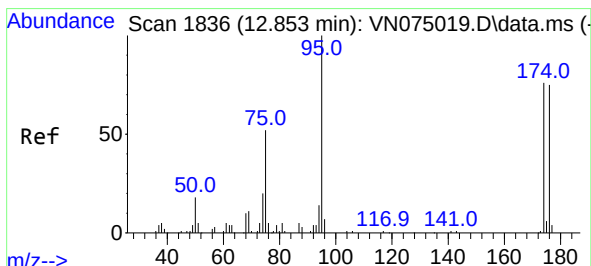
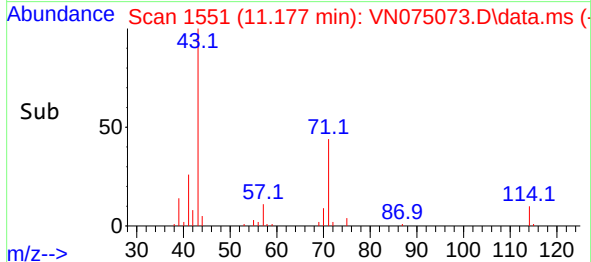
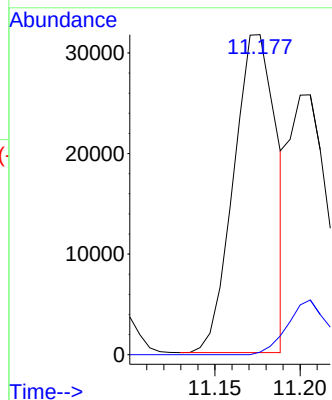
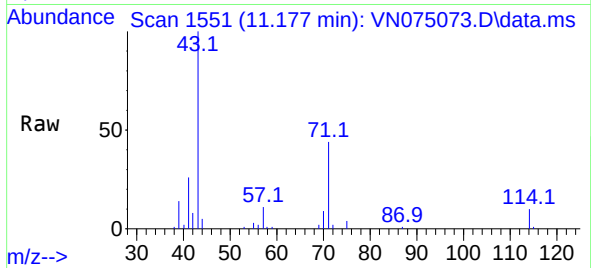




#59
2-Hexanone
Concen: 36.303 ug/l
RT: 11.177 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

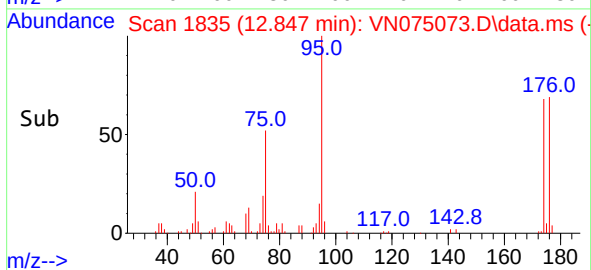
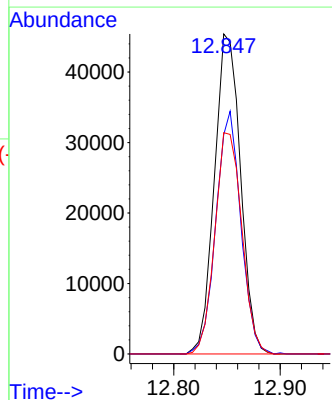
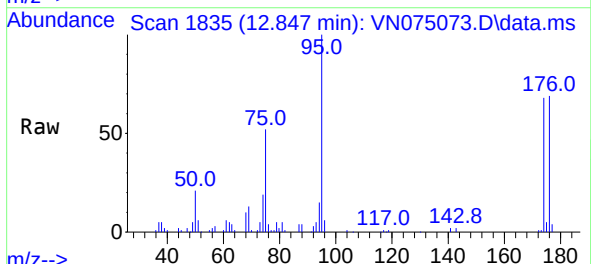
Instrument :
MSVOA_N
ClientSampleId :
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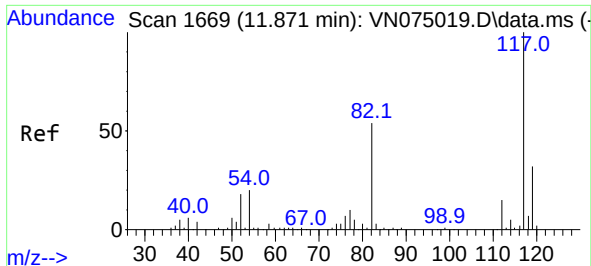
Tgt Ion: 43 Resp: 54998
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.252 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 95 Resp: 77239
Ion Ratio Lower Upper
95 100
174 72.5 0.0 147.4
176 71.3 0.0 142.2

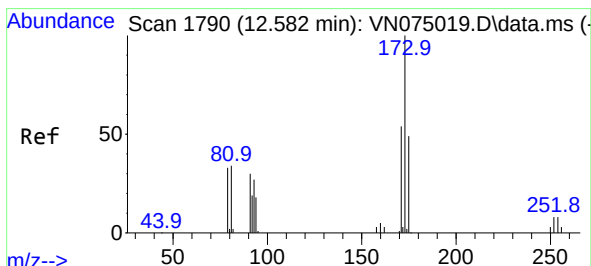
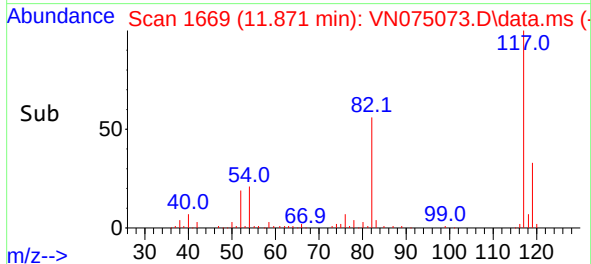
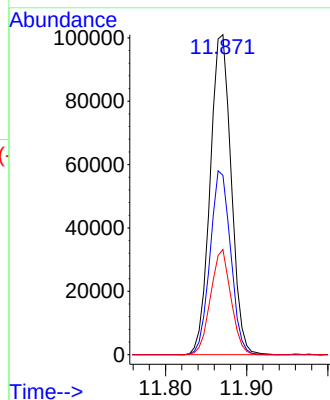
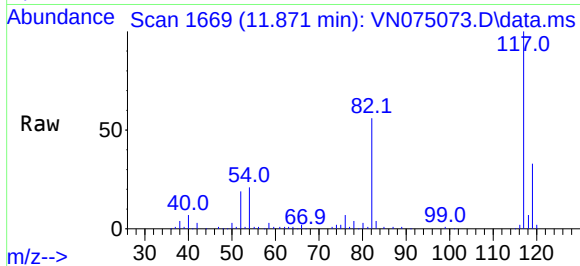




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

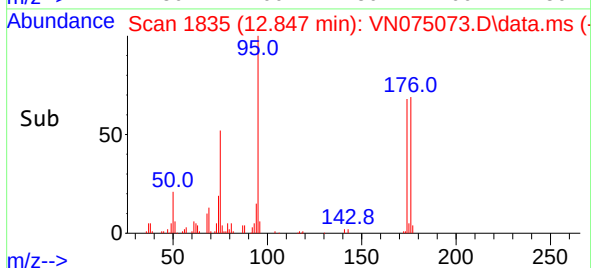
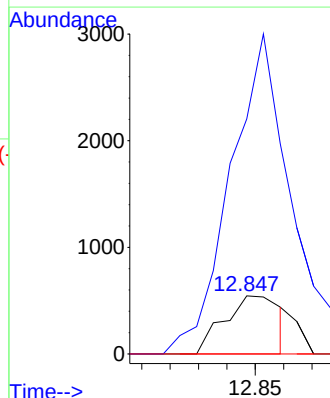
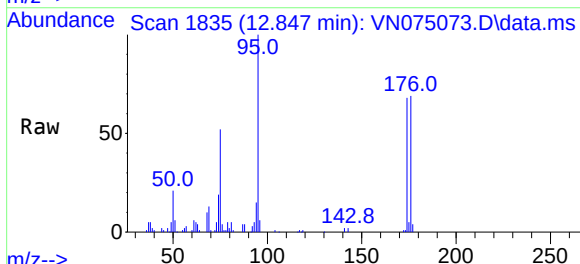
Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-8-NE-QUARTER

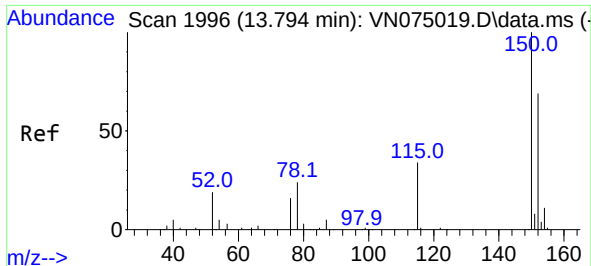
Tgt Ion:117 Resp: 181957
Ion Ratio Lower Upper
117 100
82 56.1 43.1 64.7
119 32.8 25.5 38.3



#71
Bromoform
Concen: 0.694 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion:173 Resp: 749
Ion Ratio Lower Upper
173 100
175 479.7 24.6 74.0#
254 0.0 0.0 0.0

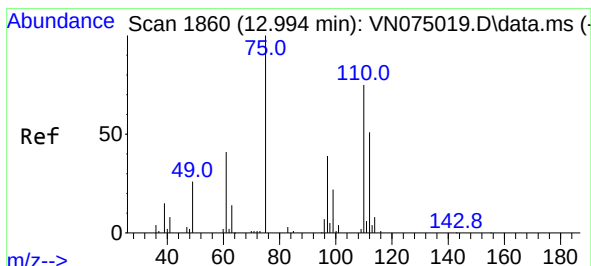
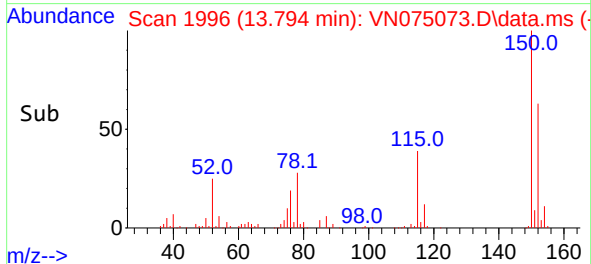
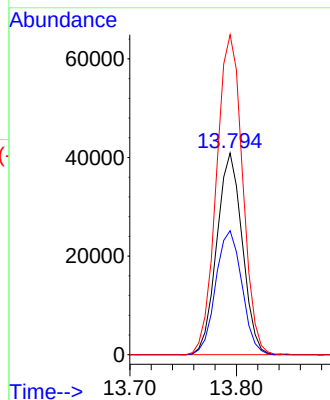
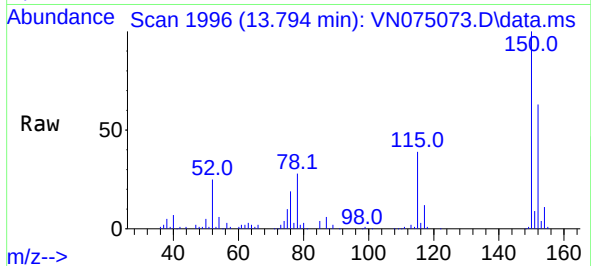




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

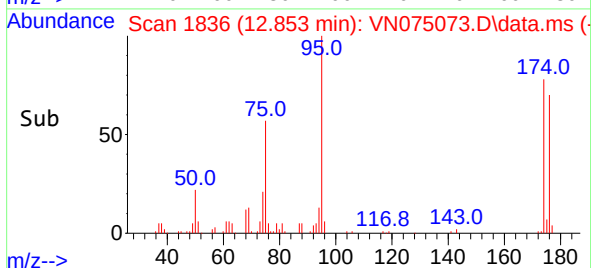
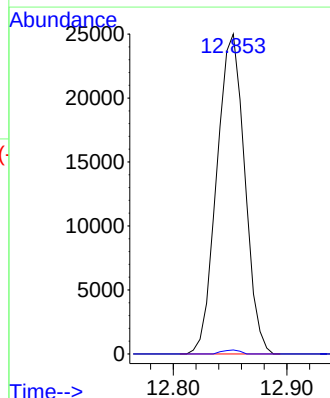
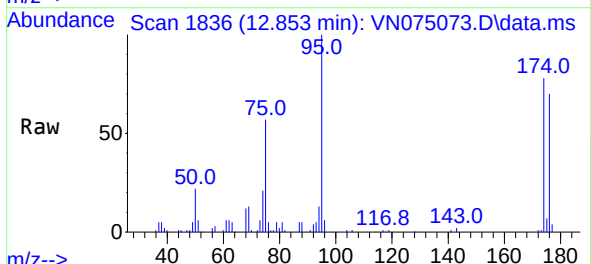
Instrument : MSVOA_N
ClientSampleId : TCLP-VOC-GRAB-8-NE-QUARTER

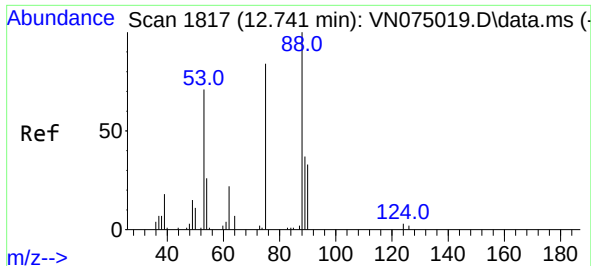
Tgt Ion:152 Resp: 67868
Ion Ratio Lower Upper
152 100
115 63.4 30.2 90.6
150 162.7 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 29.669 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Tgt Ion: 75 Resp: 42754
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.161 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075073.D
Acq: 28 Oct 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
TCLP-VOC-GRAB-8-NE-QUARTER

Tgt Ion: 75 Resp: 42754
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

