

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072680.D
 Acq On : 21 Apr 2022 19:38
 Operator : VA/SY
 Sample : N2514-01
 Misc : 4.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-5-GR

Quant Time: Apr 22 03:42:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

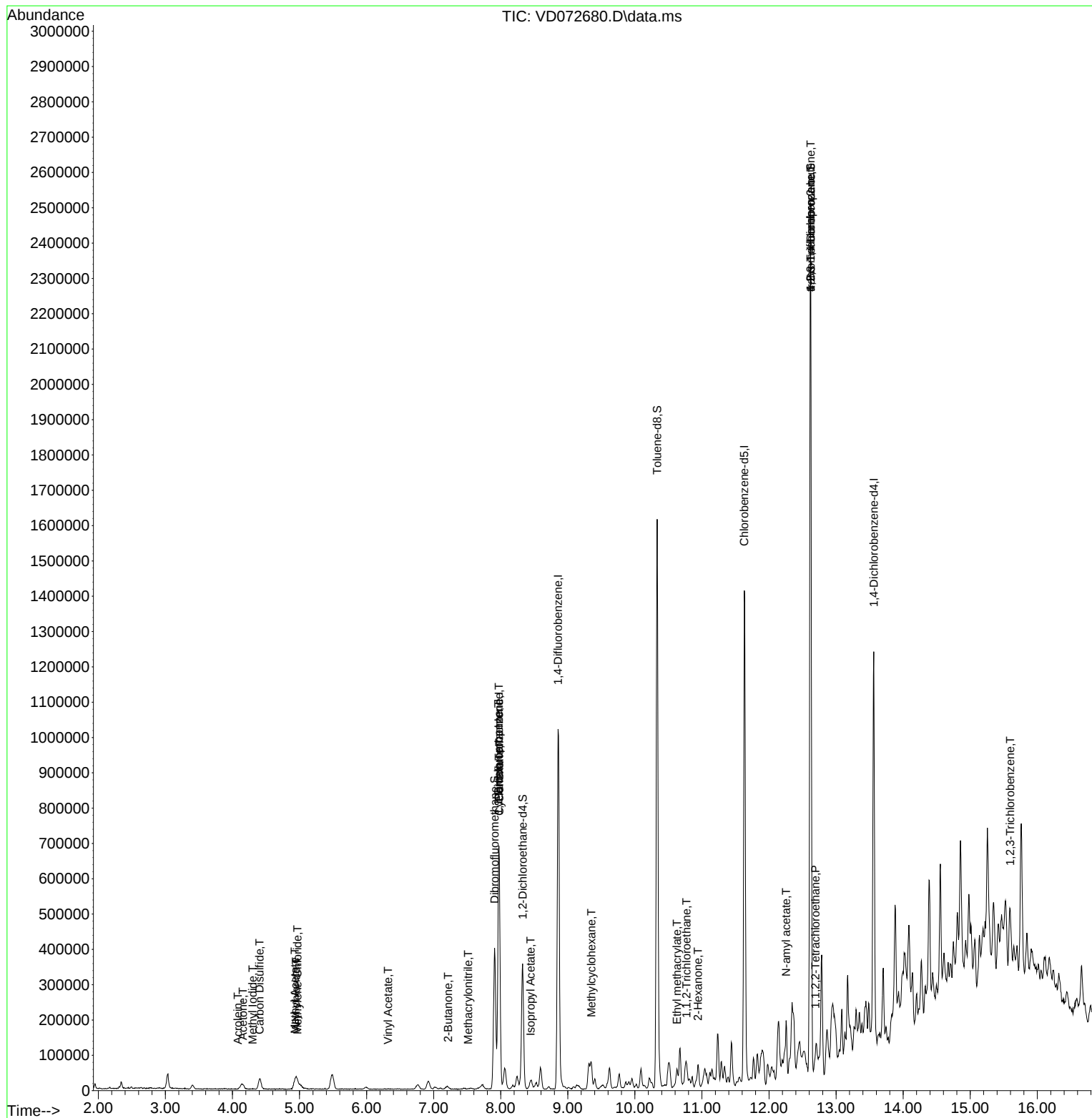
Internal Standards						
1) Pentafluorobenzene	7.973	168	501955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	886654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	816076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	277090	45.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.260%		
35) Dibromofluoromethane	7.909	113	284553	41.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.600%		
50) Toluene-d8	10.332	98	1064669	44.450	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.900%		
62) 4-Bromofluorobenzene	12.620	95	369655	39.517	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.040%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	1215	3.940	ug/l #	56
13) Acrolein	4.079	56	174	1.223	ug/l #	14
14) Allyl chloride	4.950	41	14448	2.911	ug/l #	50
16) Acetone	4.156	43	19171	16.932	ug/l #	81
17) Carbon Disulfide	4.403	76	64621	9.764	ug/l	97
18) Methyl Acetate	4.932	43	29513	9.252	ug/l #	55
20) Methylene Chloride	4.968	84	11490	1.705	ug/l #	76
23) Vinyl Acetate	6.320	43	149	6.304	ug/l #	75
25) 2-Butanone	7.214	43	5816	3.714	ug/l #	74
31) Cyclohexane	7.979	56	17285	2.177	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	41857	5.771	ug/l #	51
38) Carbon Tetrachloride	7.973	117	53147	5.599	ug/l #	18
39) Methylcyclohexane	9.350	83	30883	5.715	ug/l	93
41) Methacrylonitrile	7.514	41	127	1.716	ug/l #	54
43) Isopropyl Acetate	8.444	43	9342	1.334	ug/l #	54
55) 1,1,2-Trichloroethane	10.767	97	22376	4.202	ug/l #	21
56) Ethyl methacrylate	10.626	69	13304	3.175	ug/l #	77
59) 2-Hexanone	10.938	43	24361	9.533	ug/l #	34
74) N-amyl acetate	12.255	43	33061	6.437	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.691	83	7229	1.559	ug/l #	85
76) 1,2,3-Trichloropropane	12.620	75	198918	60.175	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	198918	147.657	ug/l #	9
96) 1,2,3-Trichlorobenzene	15.596	180	5667	1.045	ug/l #	17

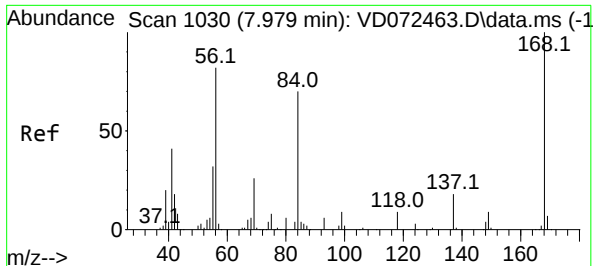
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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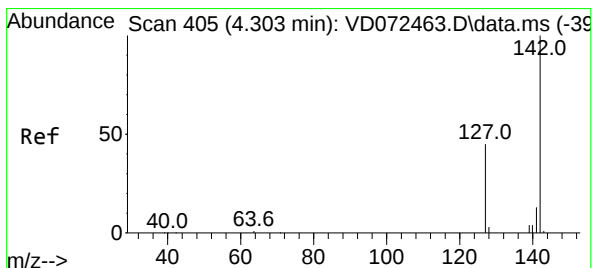
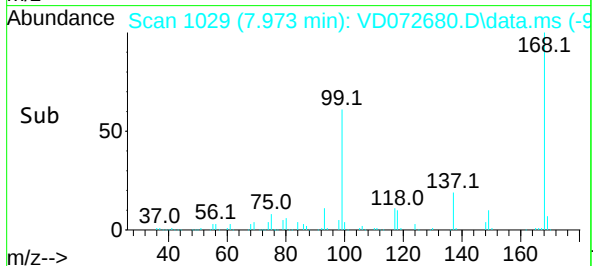
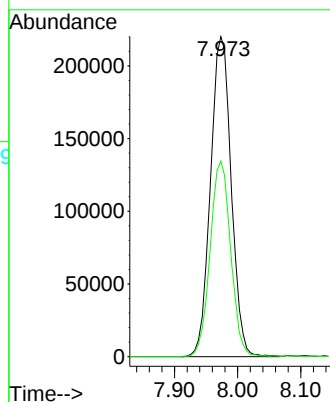
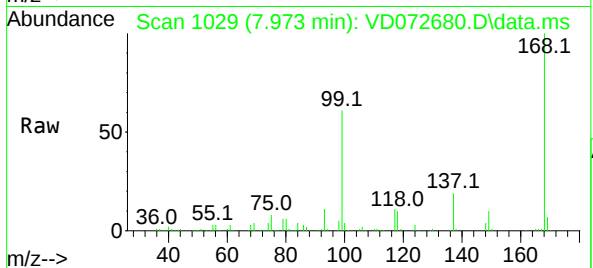




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

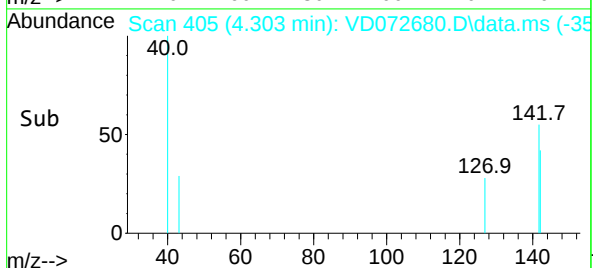
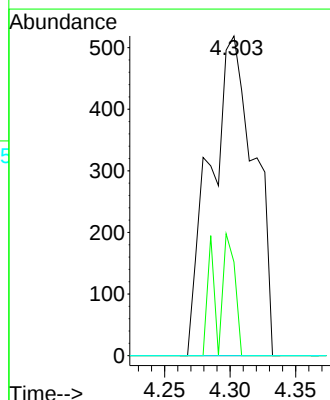
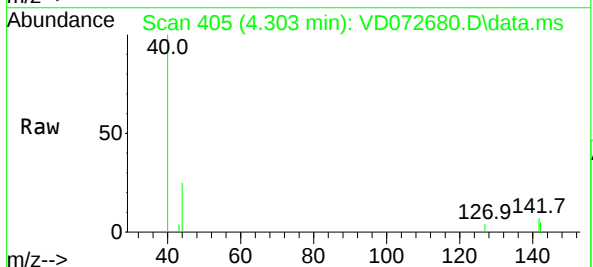
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

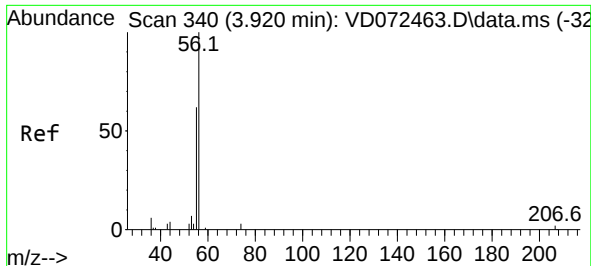
Tgt Ion:168 Resp: 501955
Ion Ratio Lower Upper
168 100
99 61.1 49.8 74.6



#10
Methyl Iodide
Concen: 3.940 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion:142 Resp: 1215
Ion Ratio Lower Upper
142 100
127 15.8 37.3 55.9#
141 0.0 11.7 17.5#

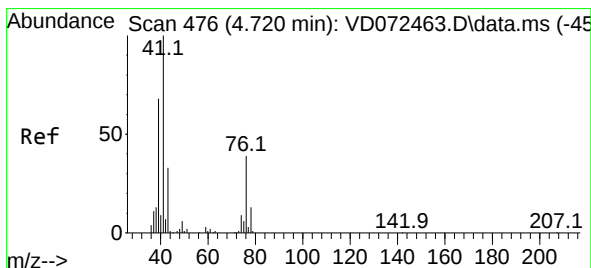
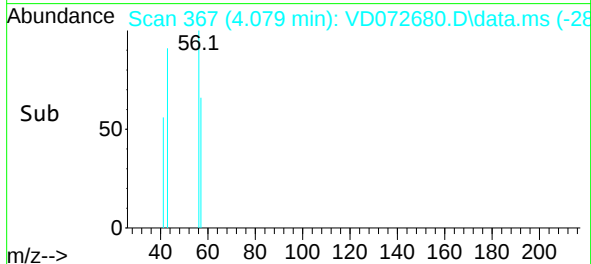
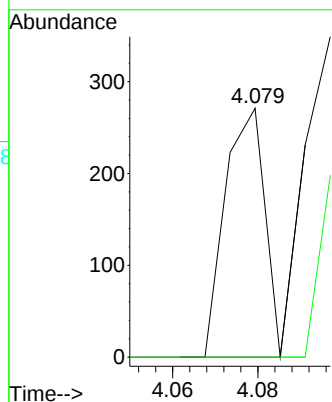
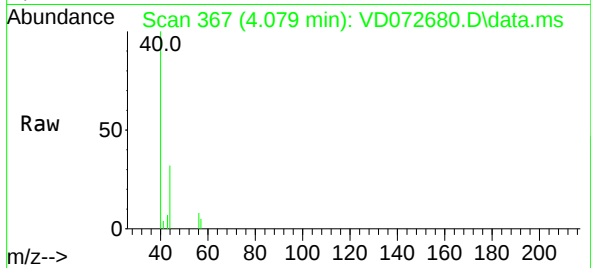




#13
Acrolein
Concen: 1.223 ug/l
RT: 4.079 min Scan# 30
Delta R.T. 0.159 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

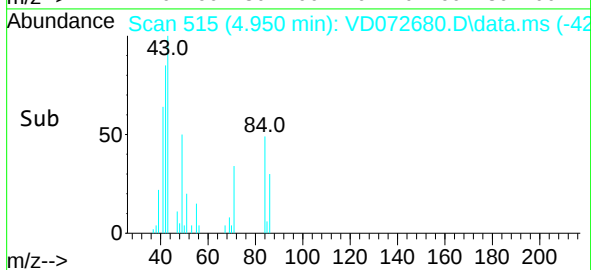
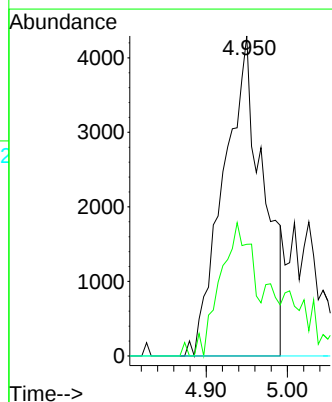
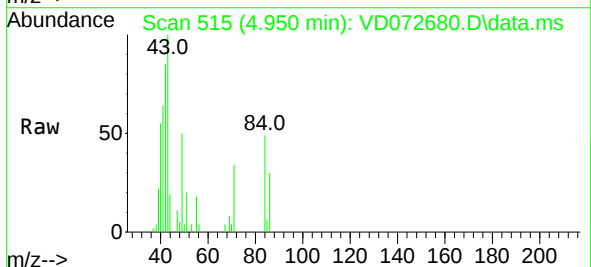
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

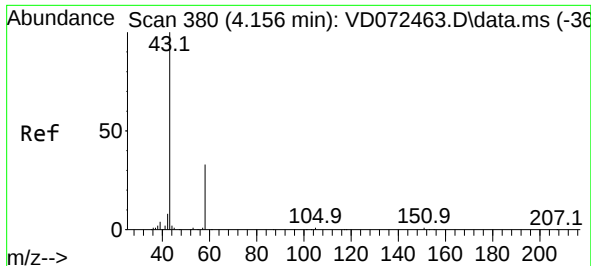
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#14
Allyl chloride
Concen: 2.911 ug/l
RT: 4.950 min Scan# 515
Delta R.T. 0.230 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 41 Resp: 14448
Ion Ratio Lower Upper
41 100
39 34.7 59.3 88.9#
76 0.0 25.7 38.5#

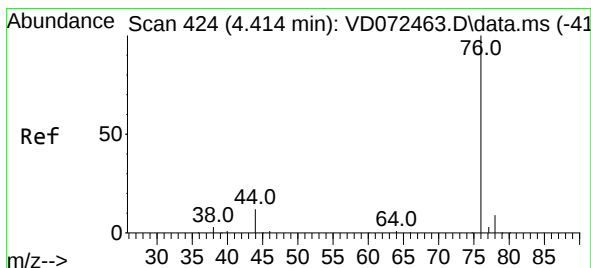
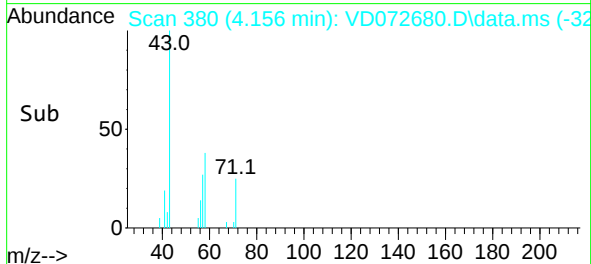
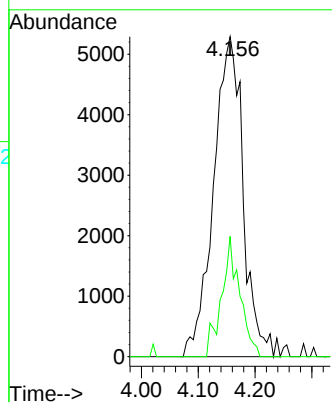
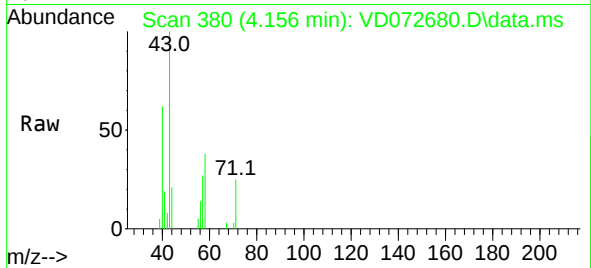




#16
Acetone
Concen: 16.932 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

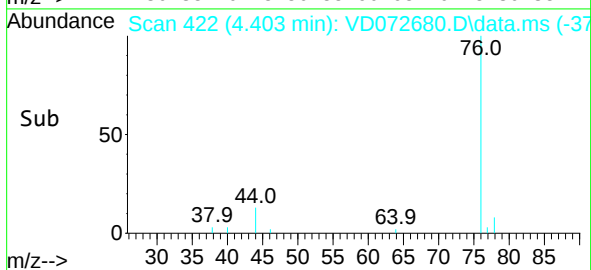
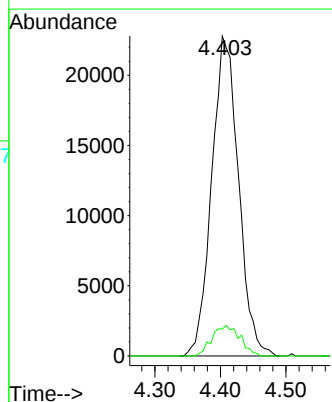
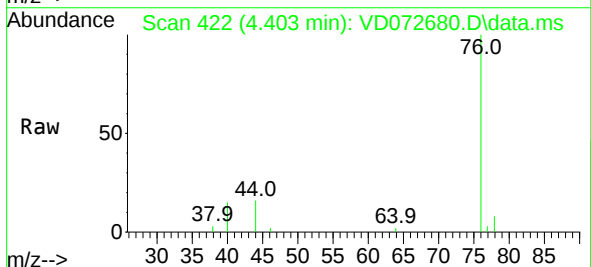
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

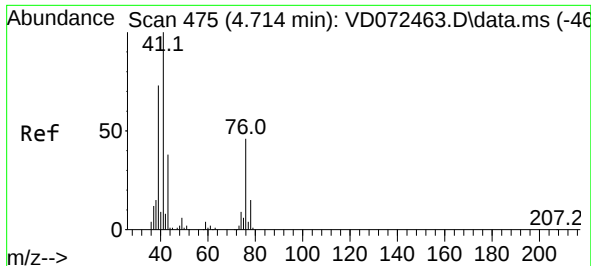
Tgt Ion: 43 Resp: 19171
Ion Ratio Lower Upper
43 100
58 37.6 22.1 33.1#



#17
Carbon Disulfide
Concen: 9.764 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 76 Resp: 64621
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3

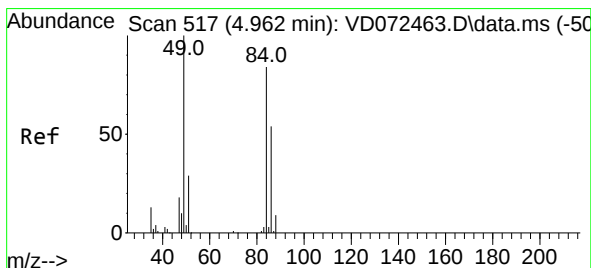
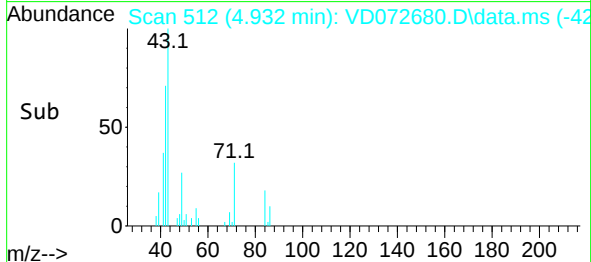
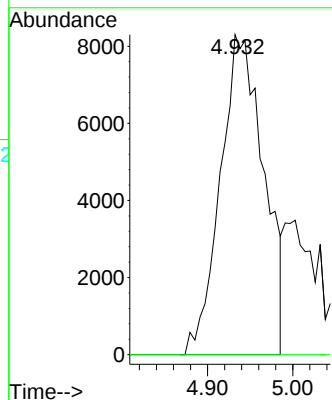
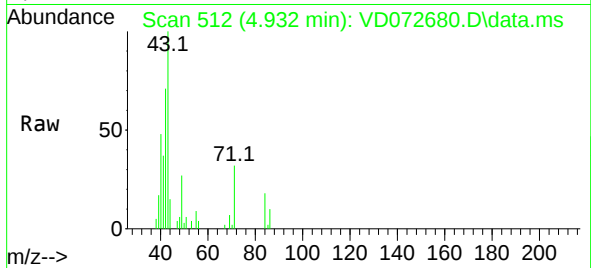




#18
Methyl Acetate
Concen: 9.252 ug/l
RT: 4.932 min Scan# 512
Delta R.T. 0.218 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

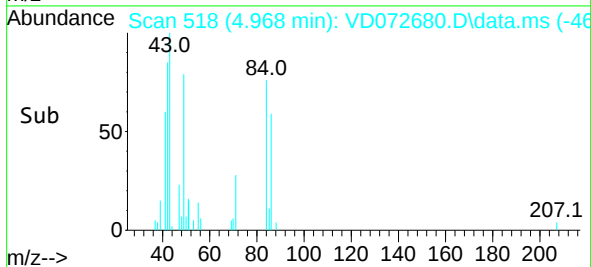
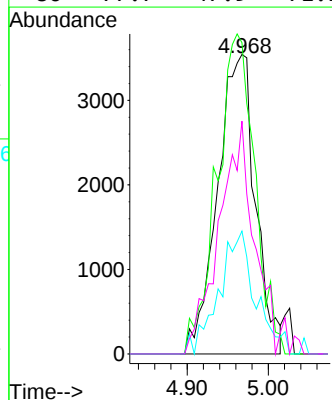
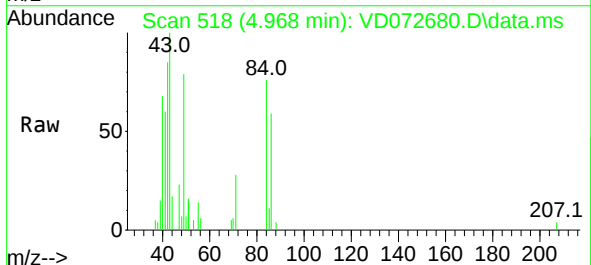
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

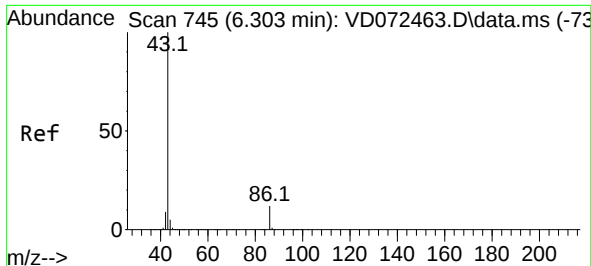
Tgt Ion: 43 Resp: 29513
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.705 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 84 Resp: 11490
Ion Ratio Lower Upper
84 100
49 103.9 112.8 169.2#
51 41.0 32.6 48.8
86 77.7 47.9 71.9#

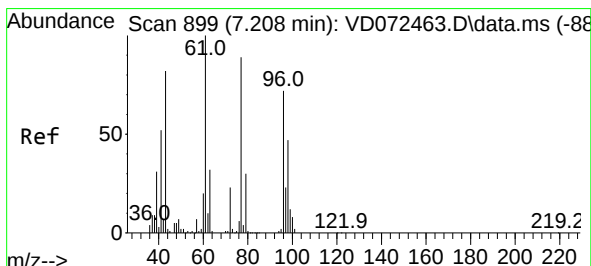
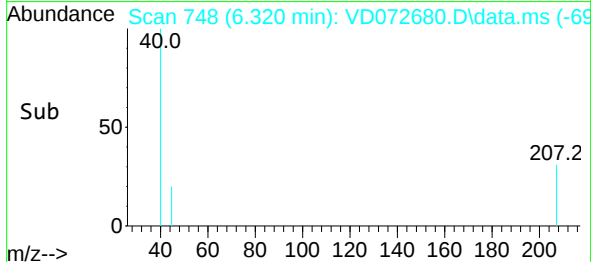
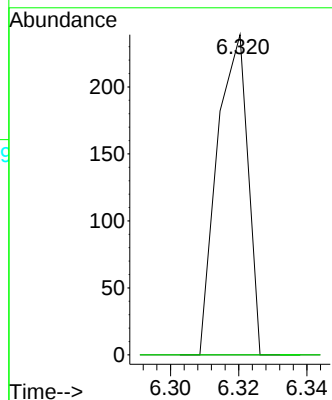
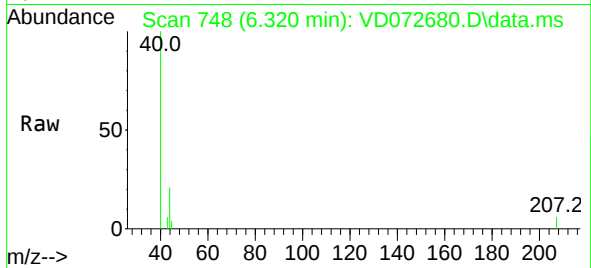




#23
 Vinyl Acetate
 Concen: 6.304 ug/l
 RT: 6.320 min Scan# 745
 Delta R.T. 0.017 min
 Lab File: VD072680.D
 Acq: 21 Apr 2022 19:38

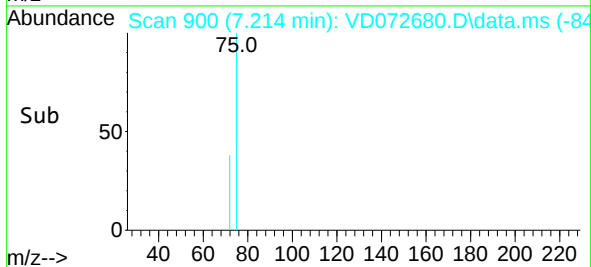
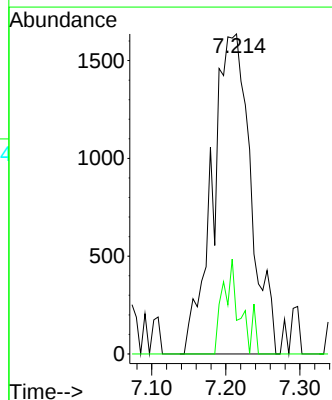
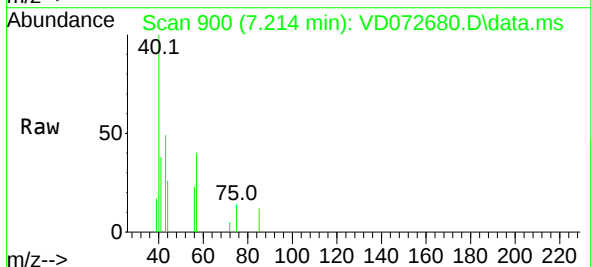
Instrument :
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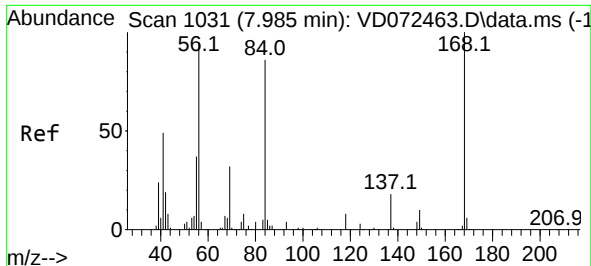
Tgt Ion: 43 Resp: 149
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 3.714 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD072680.D
 Acq: 21 Apr 2022 19:38

Tgt Ion: 43 Resp: 5816
 Ion Ratio Lower Upper
 43 100
 72 10.5 18.6 27.8#

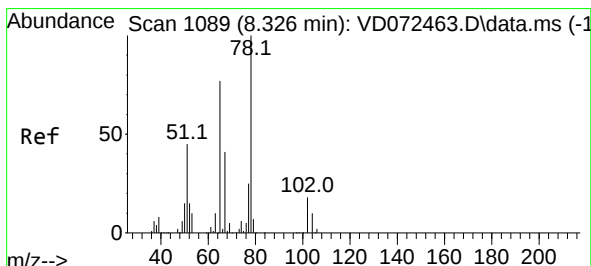
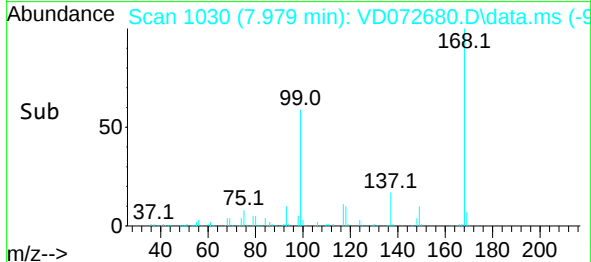
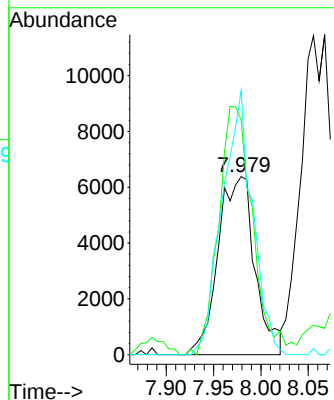
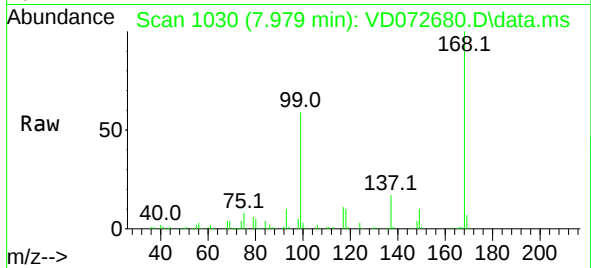




#31
Cyclohexane
Concen: 2.177 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

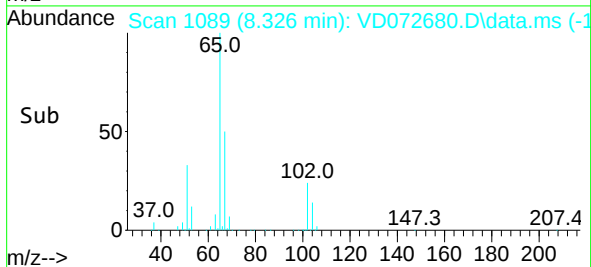
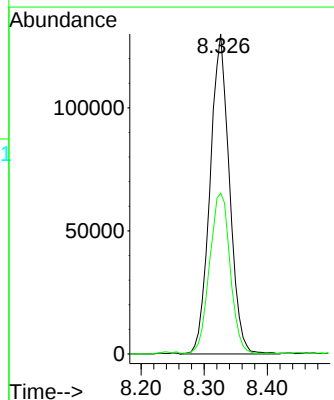
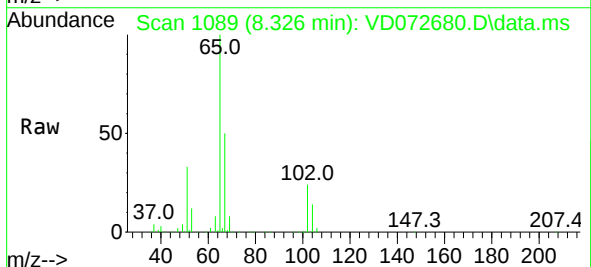
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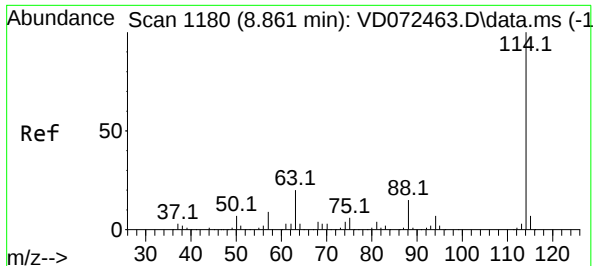
Tgt Ion: 56 Resp: 17285
Ion Ratio Lower Upper
56 100
69 131.8 25.4 38.2#
84 148.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 45.633 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 65 Resp: 277090
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-5-GR

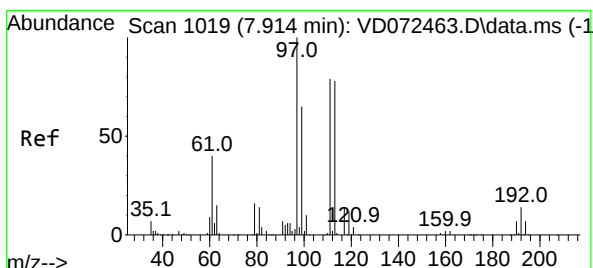
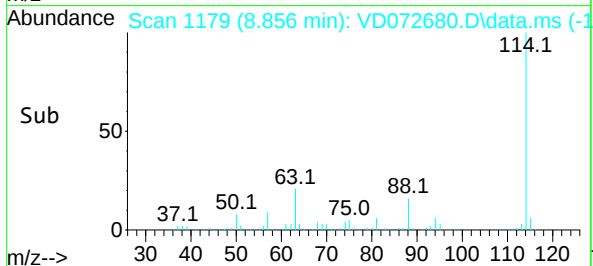
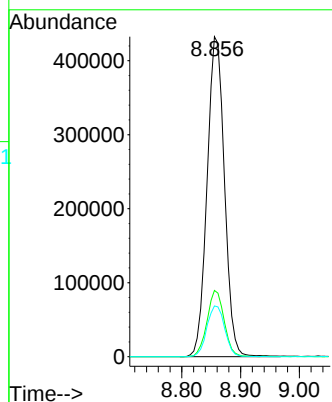
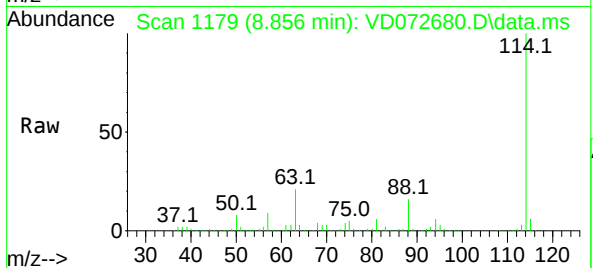
Tgt Ion:114 Resp: 886654

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.296 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

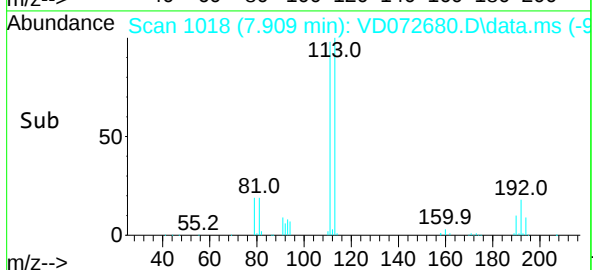
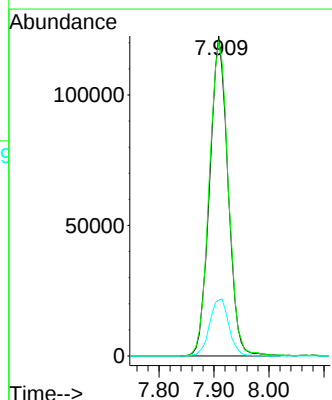
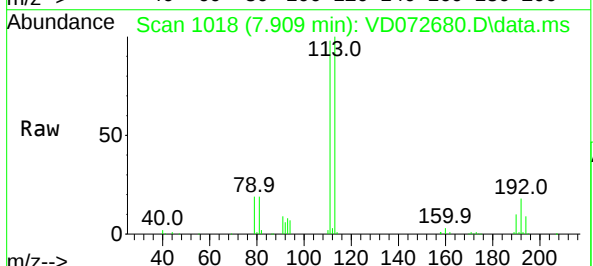
Tgt Ion:113 Resp: 284553

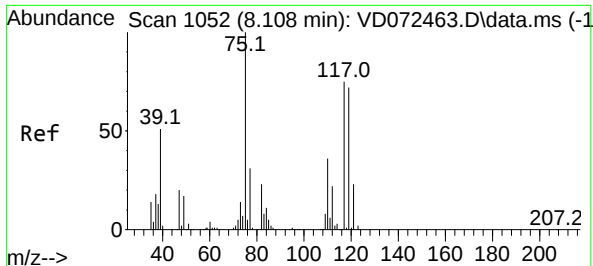
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.771 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-5-GR

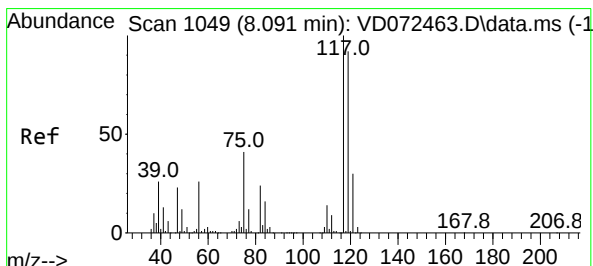
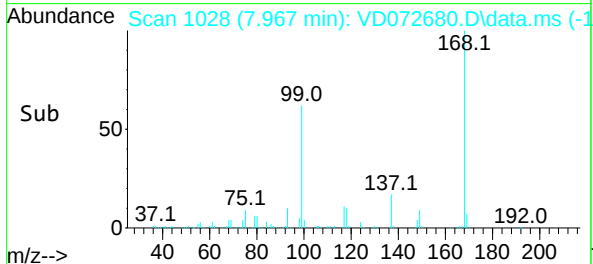
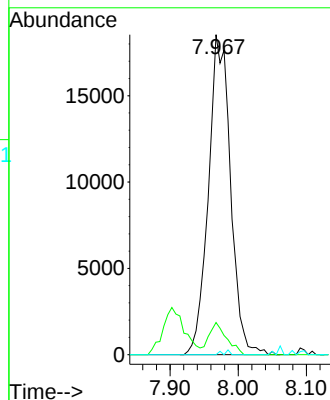
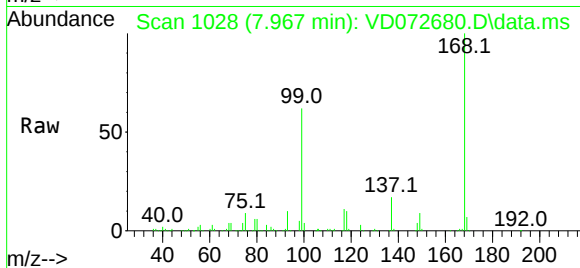
Tgt Ion: 75 Resp: 41857

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.2 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.599 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

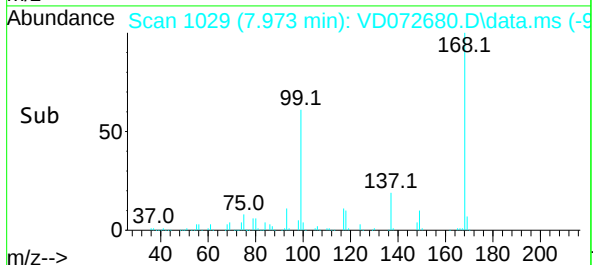
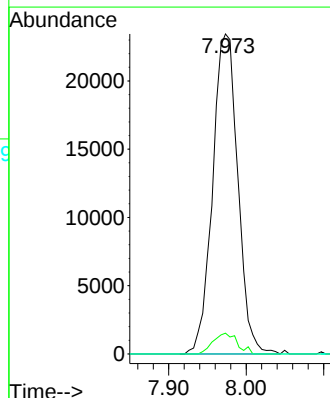
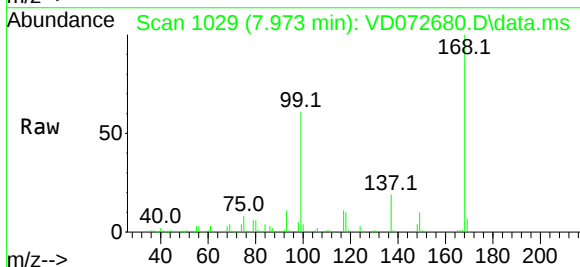
Tgt Ion: 117 Resp: 53147

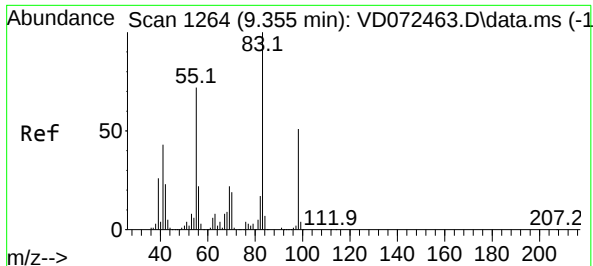
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 5.715 ug/l

RT: 9.350 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-5-GR

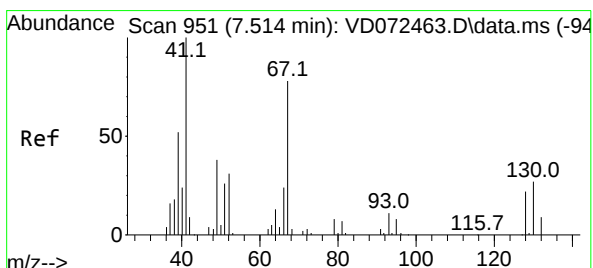
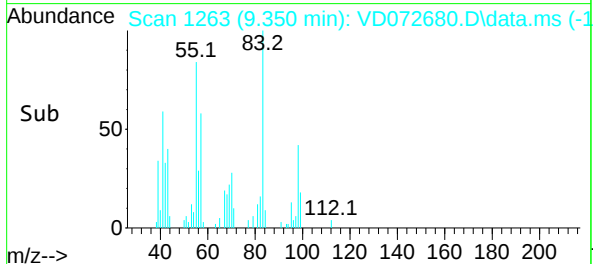
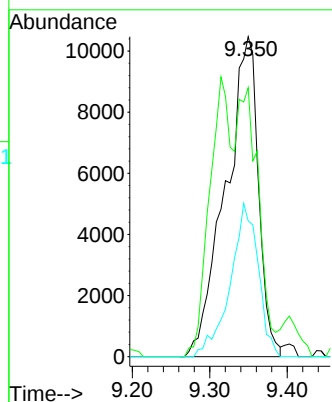
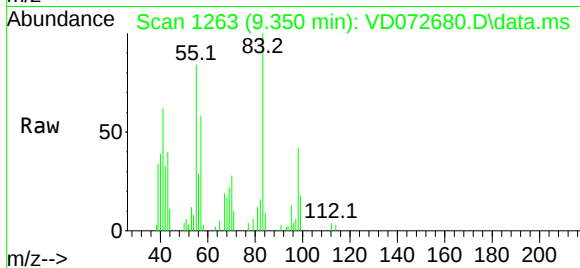
Tgt Ion: 83 Resp: 30883

Ion Ratio Lower Upper

83 100

55 84.0 63.2 94.8

98 42.4 38.2 57.4



#41

Methacrylonitrile

Concen: 1.716 ug/l

RT: 7.514 min Scan# 951

Delta R.T. 0.000 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

Tgt Ion: 41 Resp: 127

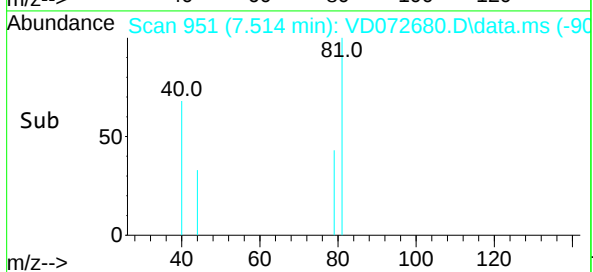
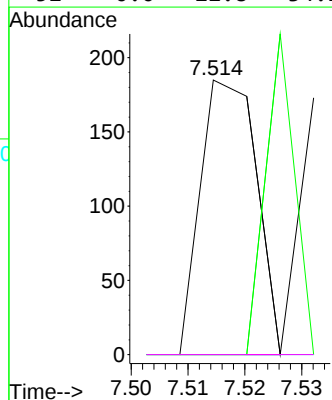
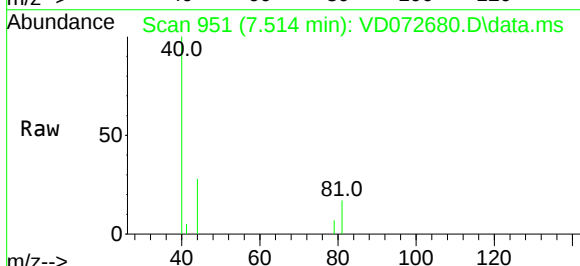
Ion Ratio Lower Upper

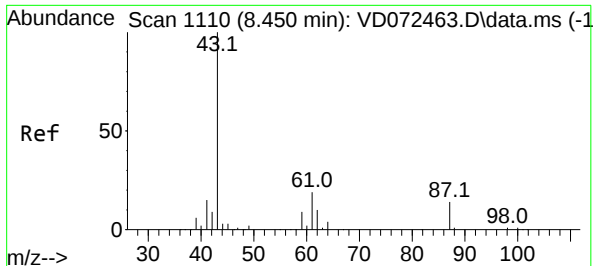
41 100

39 59.8 44.6 67.0

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

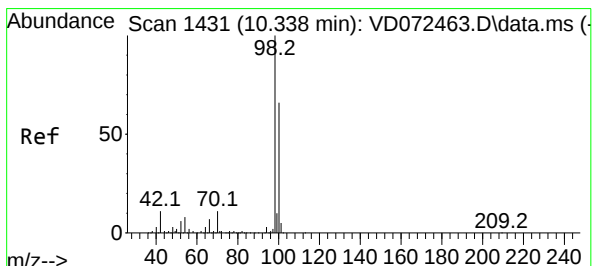
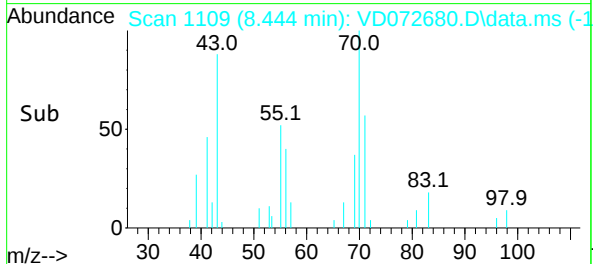
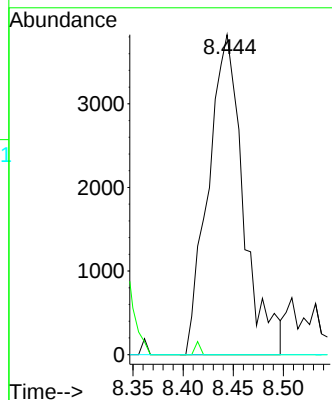
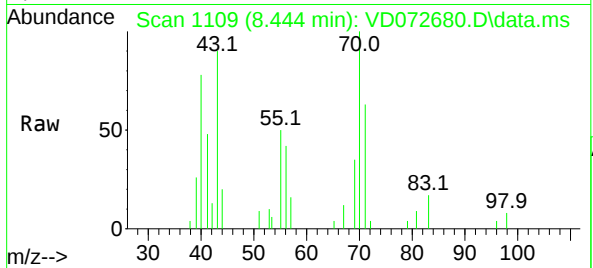




#43
Isopropyl Acetate
Concen: 1.334 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

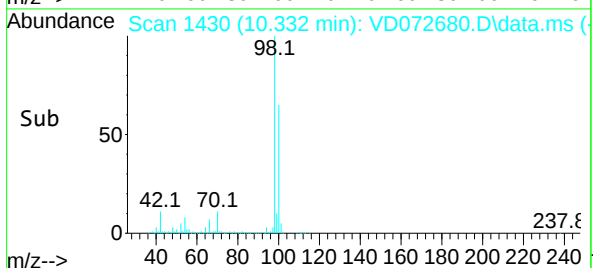
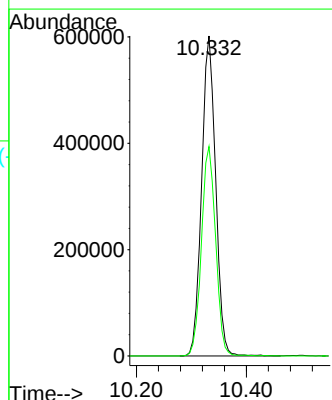
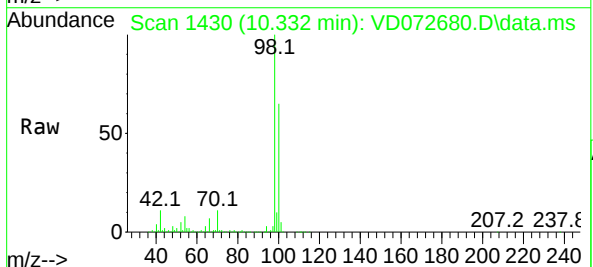
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

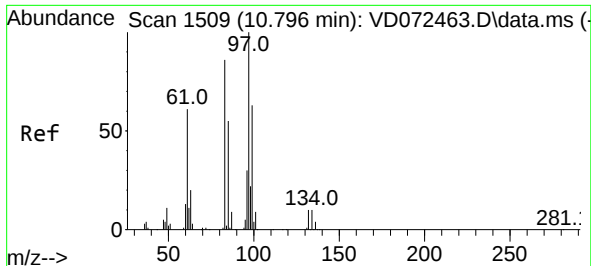
Tgt Ion: 43 Resp: 9342
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#50
Toluene-d8
Concen: 44.450 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 98 Resp: 1064669
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

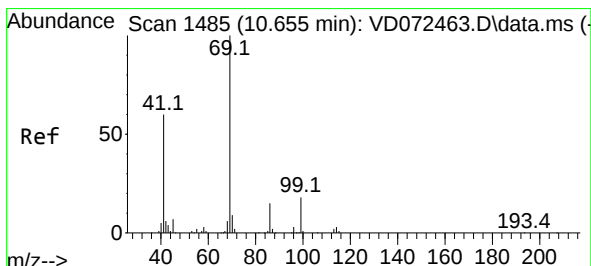
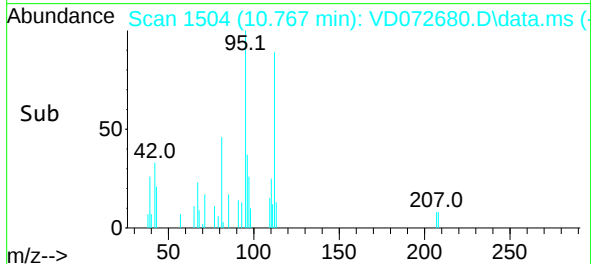
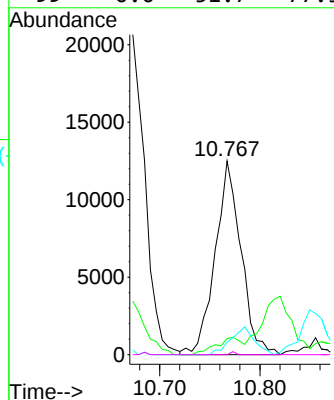
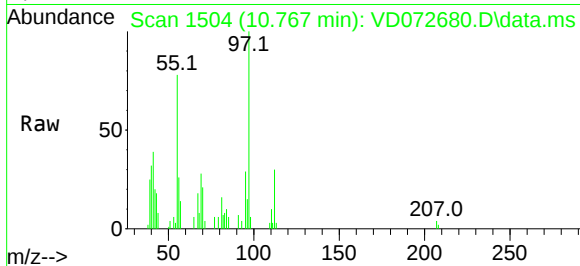




#55
1,1,2-Trichloroethane
Concen: 4.202 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

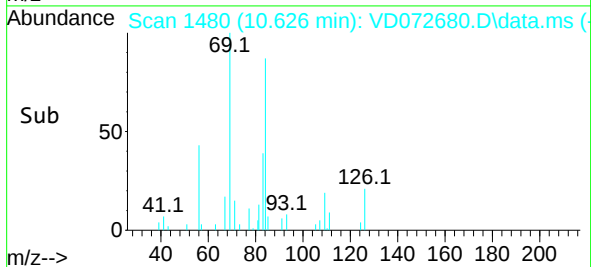
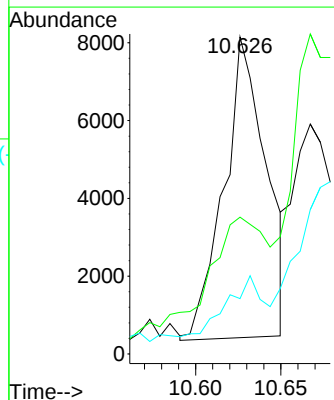
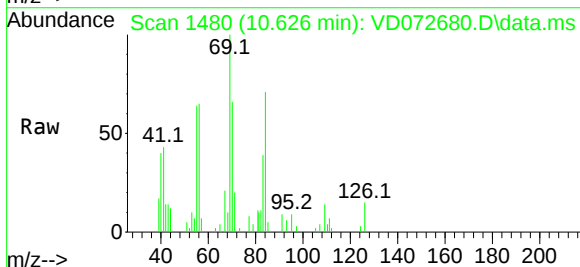
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

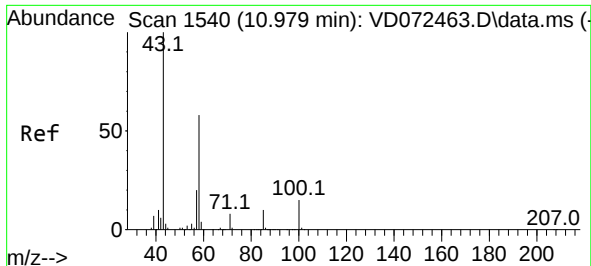
Tgt Ion: 97 Resp: 22376
Ion Ratio Lower Upper
97 100
83 8.4 69.0 103.4#
85 6.4 42.6 63.8#
99 0.0 51.7 77.5#



#56
Ethyl methacrylate
Concen: 3.175 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.029 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 69 Resp: 13304
Ion Ratio Lower Upper
69 100
41 62.8 63.0 94.6#
39 22.6 33.8 50.8#

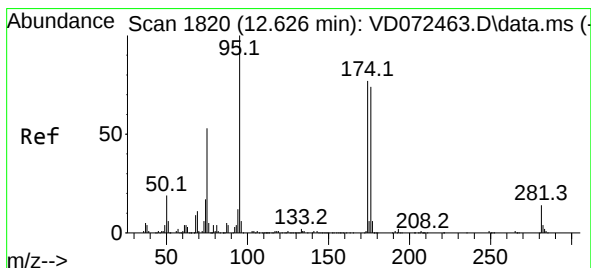
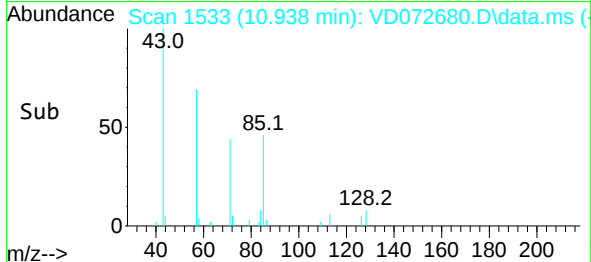
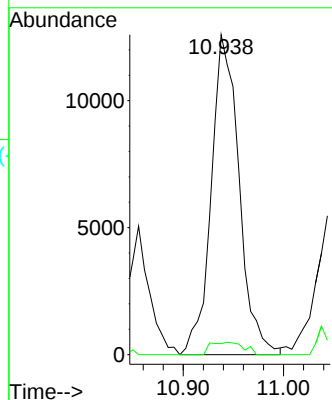
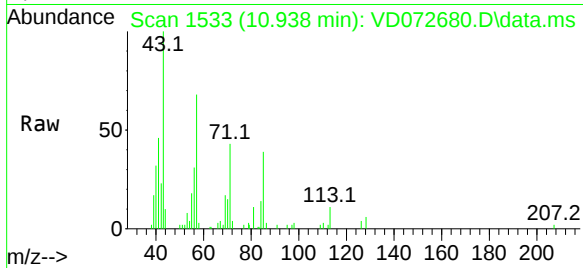




#59
2-Hexanone
Concen: 9.533 ug/l
RT: 10.938 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

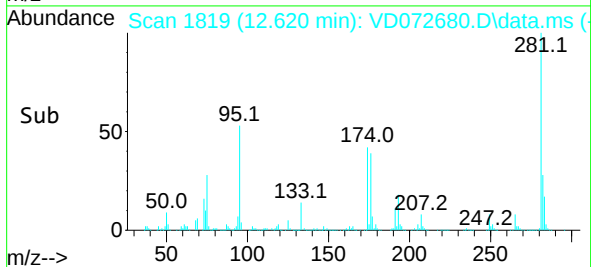
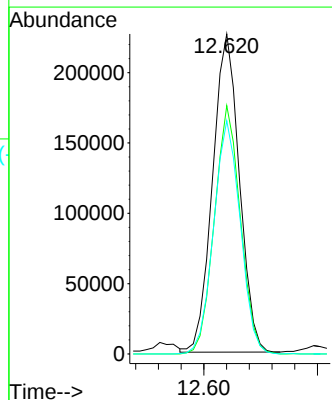
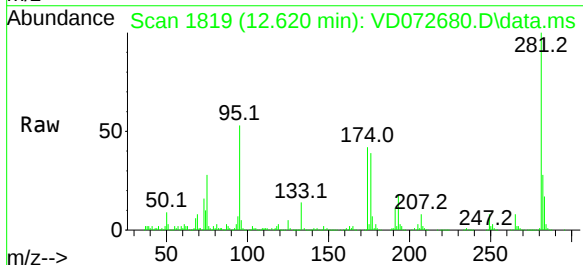
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

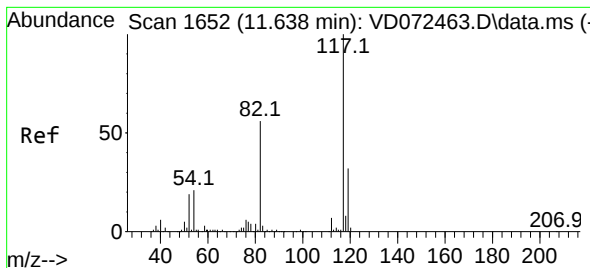
Tgt Ion: 43 Resp: 24361
Ion Ratio Lower Upper
43 100
58 4.6 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 39.517 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 95 Resp: 369655
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 72.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-5-GR

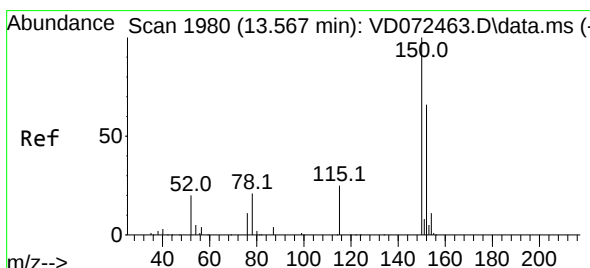
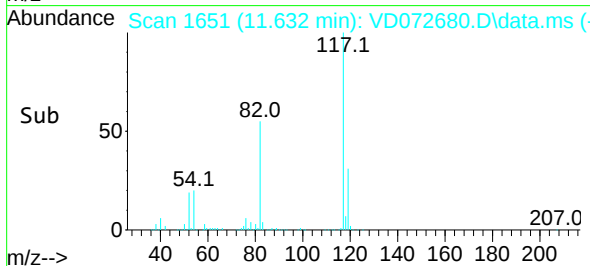
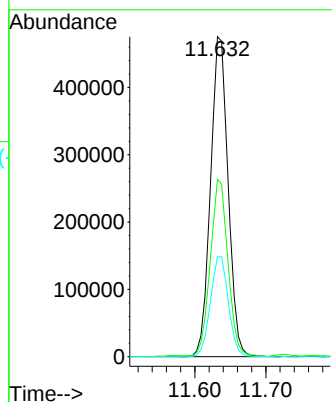
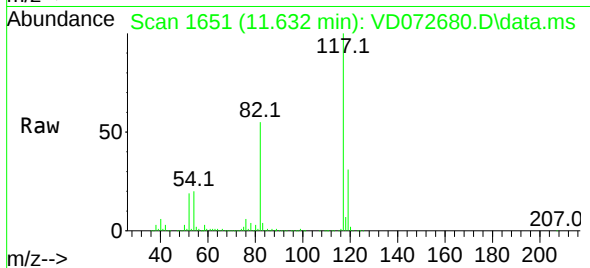
Tgt Ion:117 Resp: 816076

Ion Ratio Lower Upper

117 100

82 55.2 45.3 67.9

119 31.1 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD072680.D

Acq: 21 Apr 2022 19:38

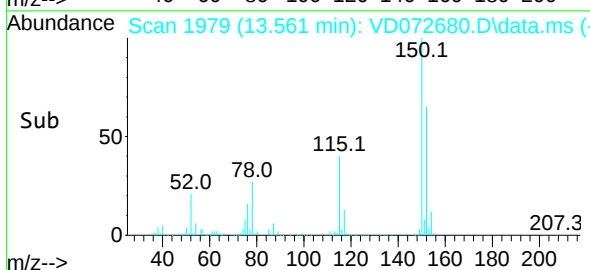
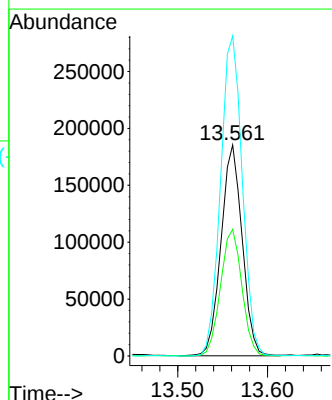
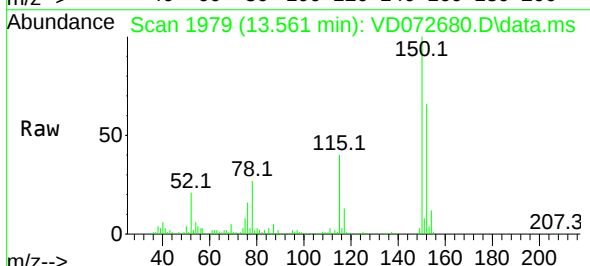
Tgt Ion:152 Resp: 303089

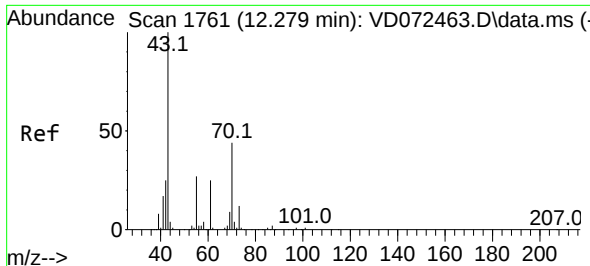
Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.8

150 155.7 0.0 348.6

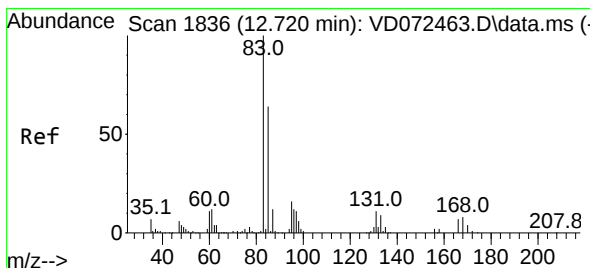
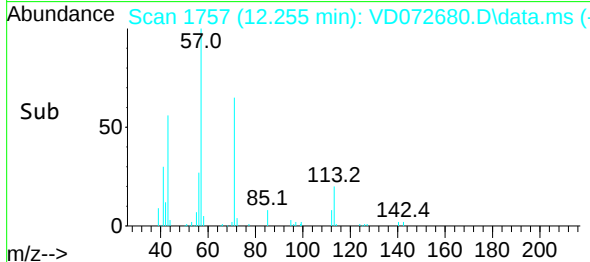
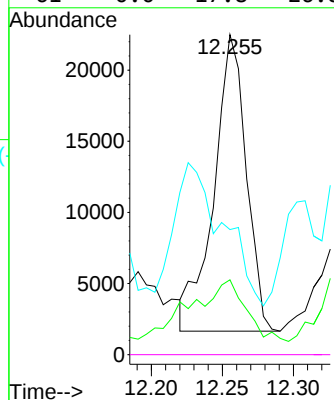
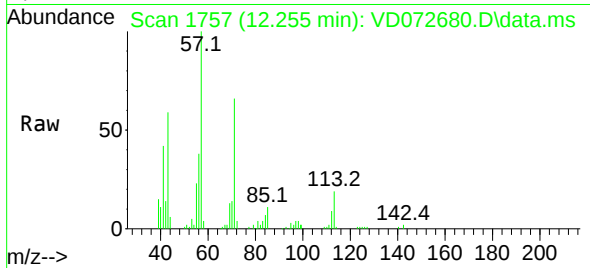




#74
N-amy1 acetate
Concen: 6.437 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.023 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

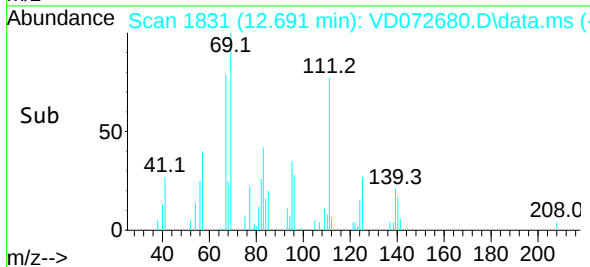
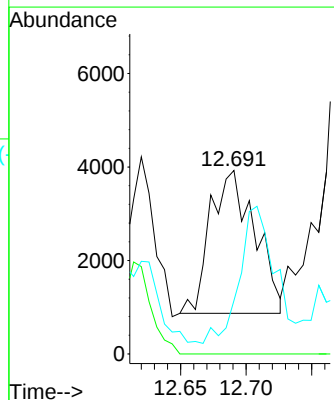
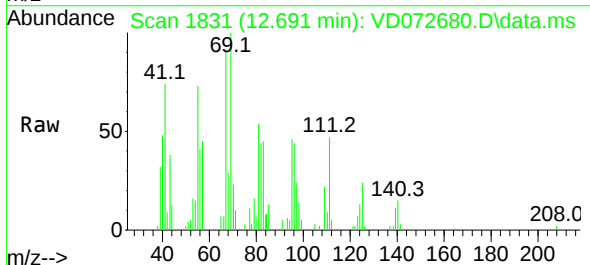
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

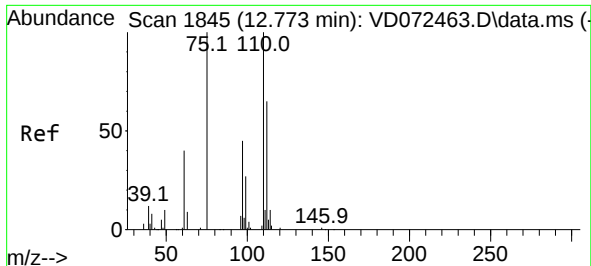
Tgt Ion: 43	Resp: 33061
Ion Ratio	Lower Upper
43 100	
70 36.0	31.3 46.9
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.559 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

Tgt Ion: 83	Resp: 7229
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 14.9#
85 75.4	32.6 98.0

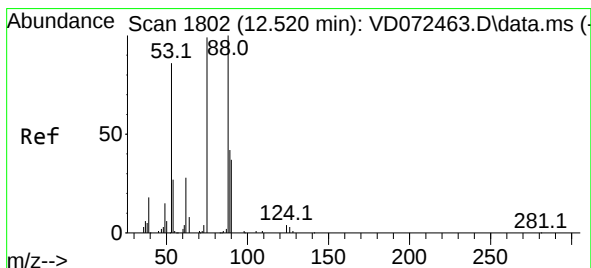
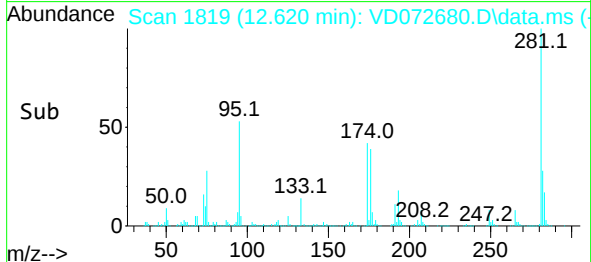
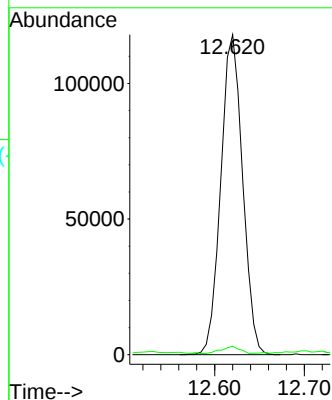
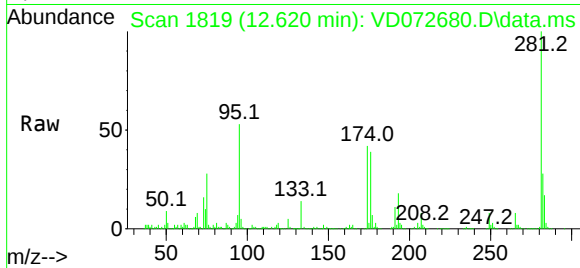




#76
1,2,3-Trichloropropane
Concen: 60.175 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

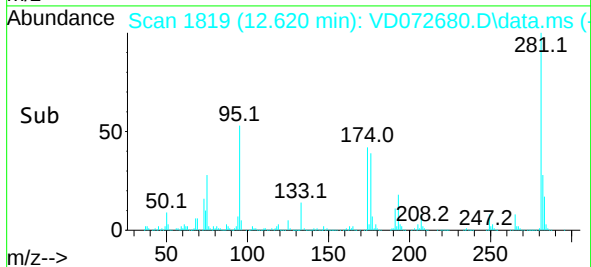
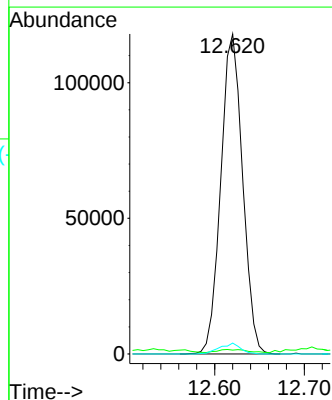
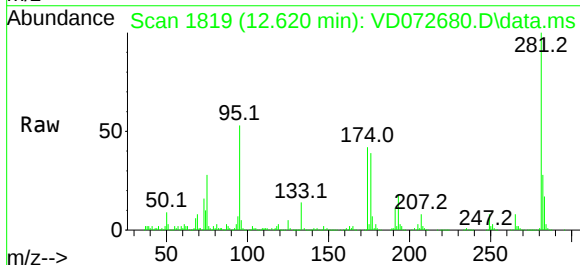
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-5-GR

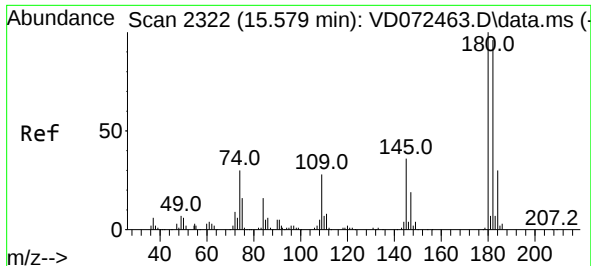
Tgt Ion: 75 Resp: 198918
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.657 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072680.D
Acq: 21 Apr 2022 19:38

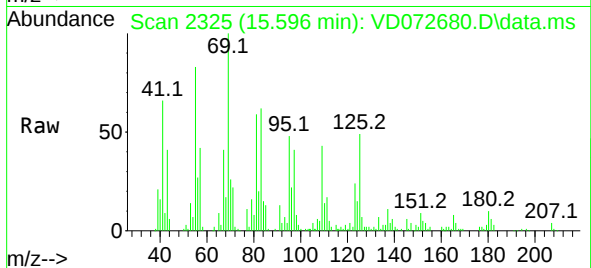
Tgt Ion: 75 Resp: 198918
Ion Ratio Lower Upper
75 100
53 1.3 86.5 129.7#
89 3.2 33.9 50.9#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.045 ug/l
 RT: 15.596 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VD072680.D
 Acq: 21 Apr 2022 19:38

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-5-GR



Tgt Ion:180 Resp: 5667
 Ion Ratio Lower Upper
 180 100
 182 6.8 47.6 142.9#
 145 0.0 17.1 51.3#

