

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071343.D
 Acq On : 15 Dec 2021 15:28
 Operator : VA/SY
 Sample : M5082-03
 Misc : 4.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:28:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

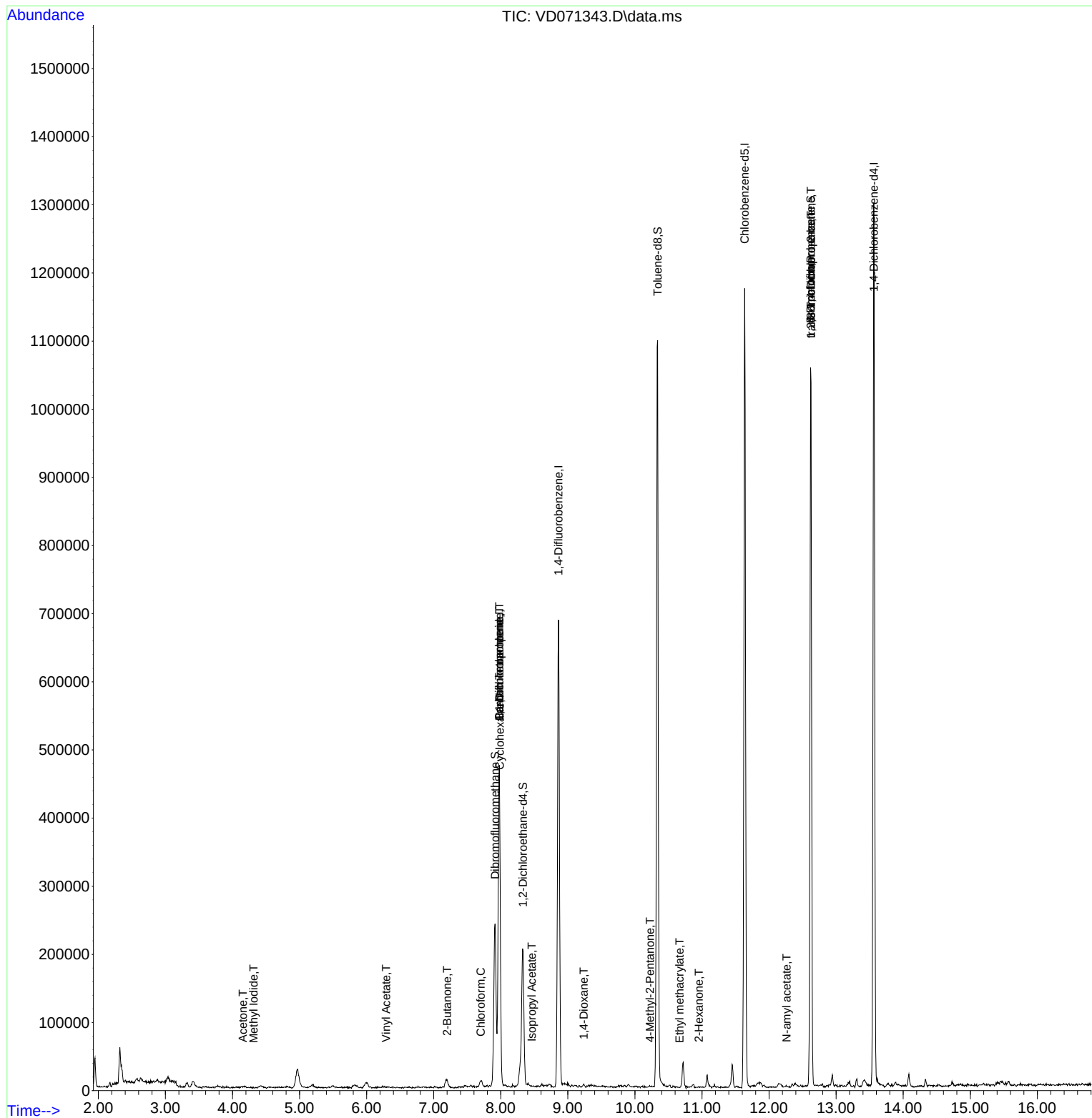
Internal Standards						
1) Pentafluorobenzene	7.979	168	318918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	618705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	308596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159997	42.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.520%		
35) Dibromofluoromethane	7.914	113	167168	48.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.180%		
50) Toluene-d8	10.338	98	713472	53.937	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.880%		
62) 4-Bromofluorobenzene	12.620	95	310847	67.793	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	135.580%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.314	142	68	4.577	ug/l #	40
11) Tert butyl alcohol	5.238	59	440	Below Cal	#	71
16) Acetone	4.156	43	4652	34.901	ug/l #	40
23) Vinyl Acetate	6.291	43	78	27.230	ug/l #	72
25) 2-Butanone	7.203	43	1930	29.850	ug/l	98
30) Chloroform	7.702	83	6998	1.076	ug/l	96
31) Cyclohexane	7.985	56	9211	1.447	ug/l #	12
36) 1,1-Dichloropropene	7.979	75	29249	5.733	ug/l #	50
38) Carbon Tetrachloride	7.979	117	34520	6.864	ug/l #	16
41) Methacrylonitrile	7.508	41	140	Below Cal	#	12
43) Isopropyl Acetate	8.461	43	186	5.257	ug/l #	47
49) 1,4-Dioxane	9.238	88	69	3.780	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	1272	31.101	ug/l #	78
56) Ethyl methacrylate	10.667	69	150	6.007	ug/l #	33
59) 2-Hexanone	10.955	43	248	34.688	ug/l	77
71) Bromoform	12.620	173	3835	1.766	ug/l #	1
74) N-amyl acetate	12.261	43	561	5.782	ug/l #	14
76) 1,2,3-Trichloropropane	12.626	75	175120	59.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	175120	128.997	ug/l #	18

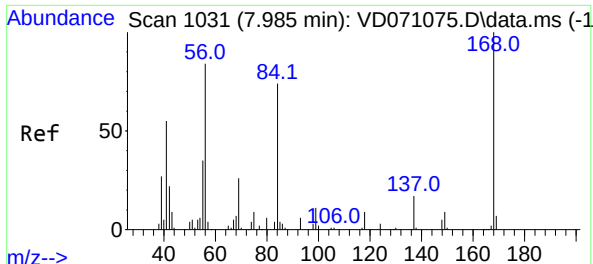
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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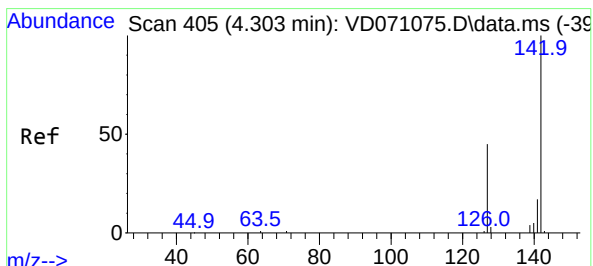
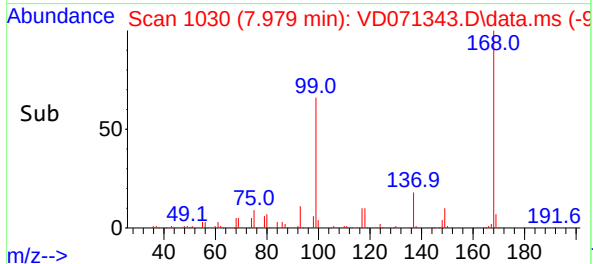
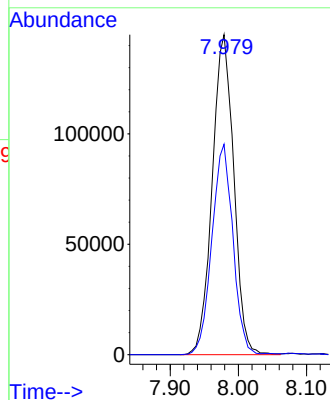
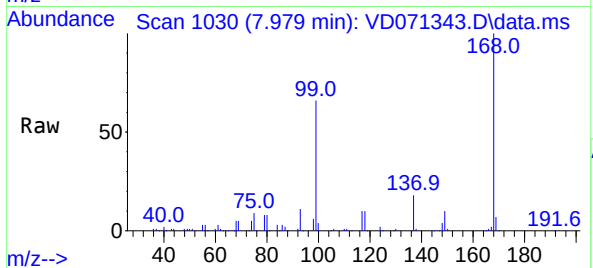




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

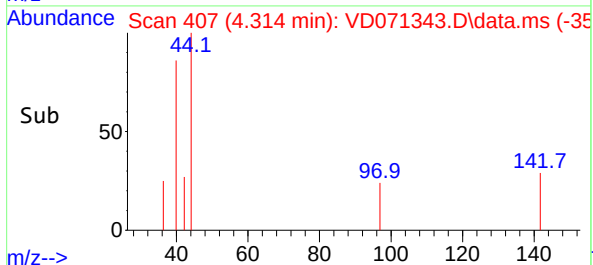
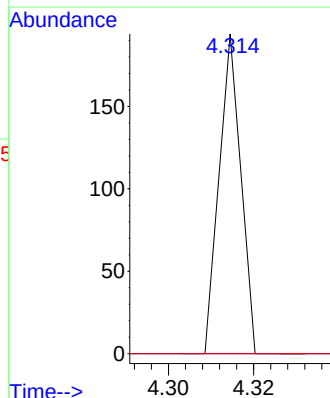
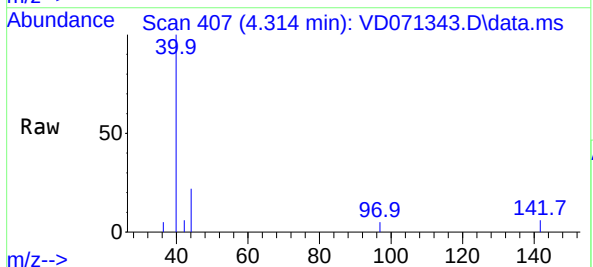
Instrument :
MSVOA_D
ClientSampleId :

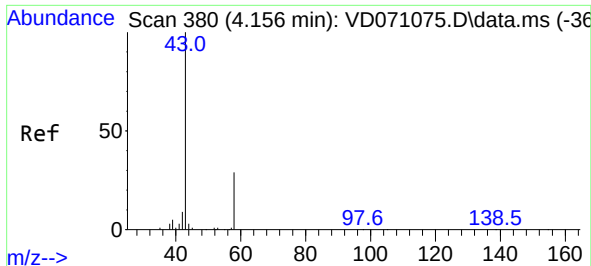
Tgt Ion:168 Resp: 318918
Ion Ratio Lower Upper
168 100
99 65.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.577 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

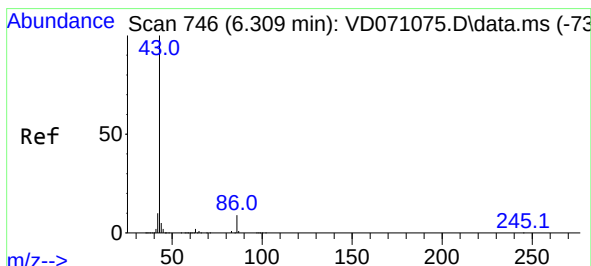
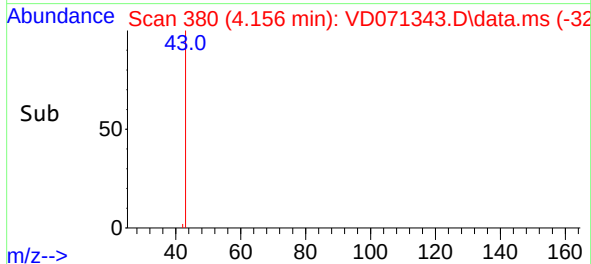
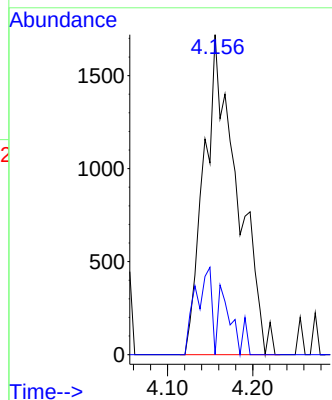
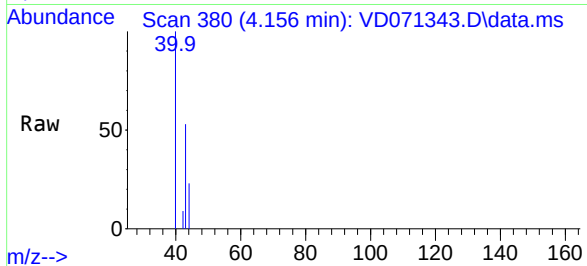




#16
Acetone
Concen: 34.901 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

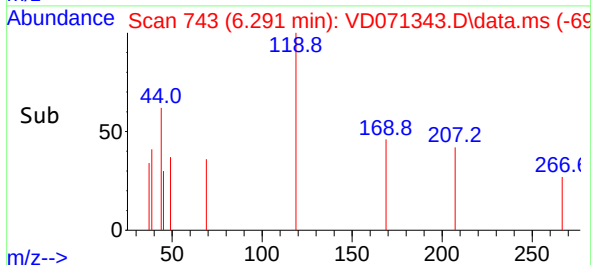
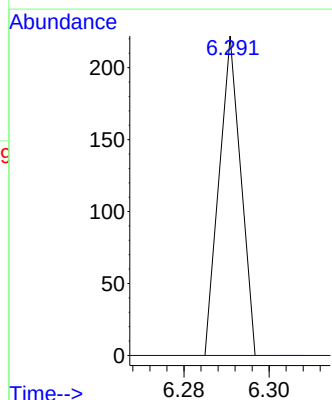
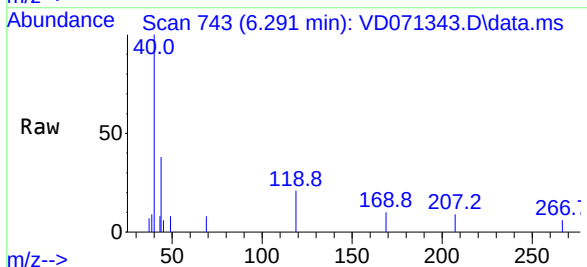
Instrument :
MSVOA_D
ClientSampleId :

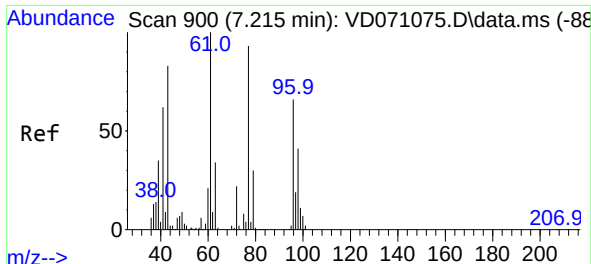
Tgt Ion: 43 Resp: 4652
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.230 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

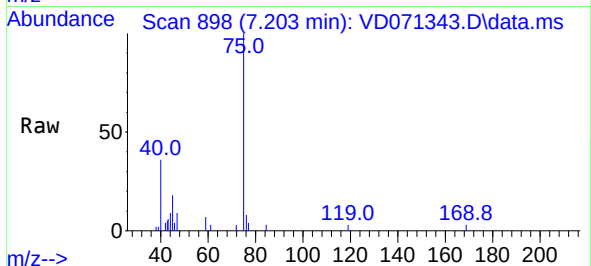
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



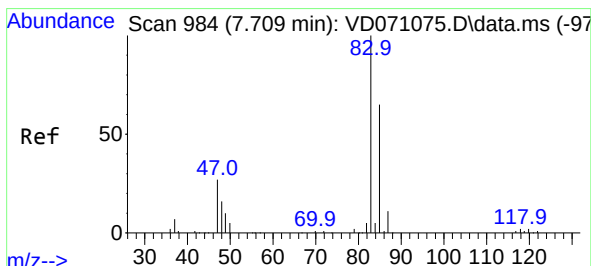
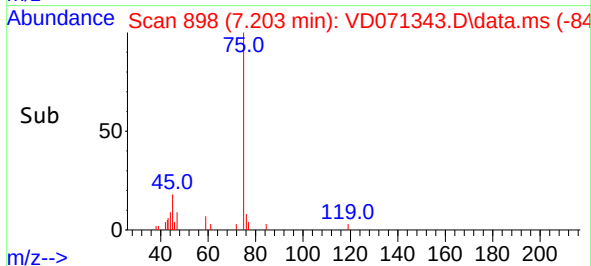
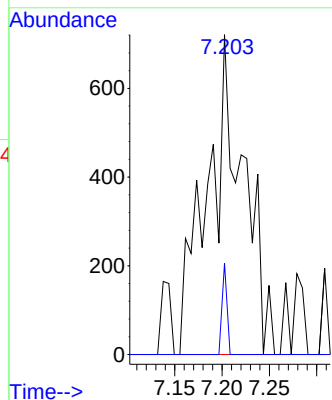


#25
2-Butanone
Concen: 29.850 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

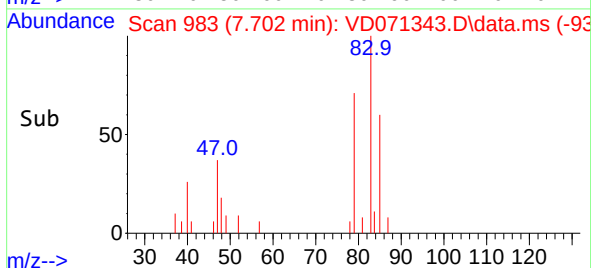
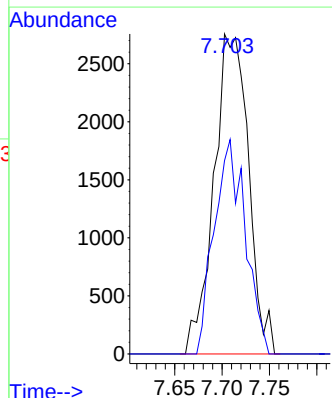
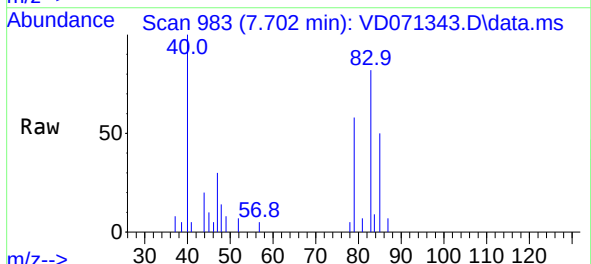


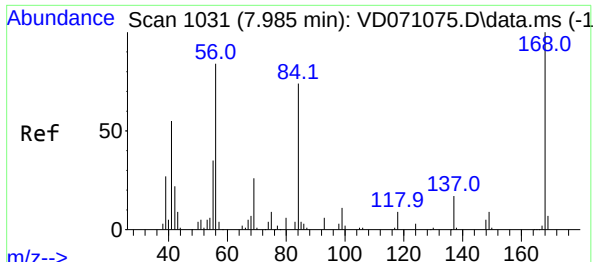
Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
72 28.6 23.8 35.6



#30
Chloroform
Concen: 1.076 ug/l
RT: 7.702 min Scan# 983
Delta R.T. -0.006 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

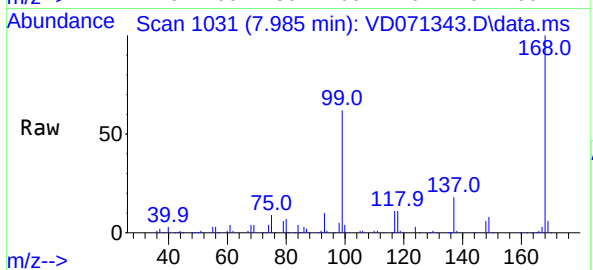
Tgt Ion: 83 Resp: 6998
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.6



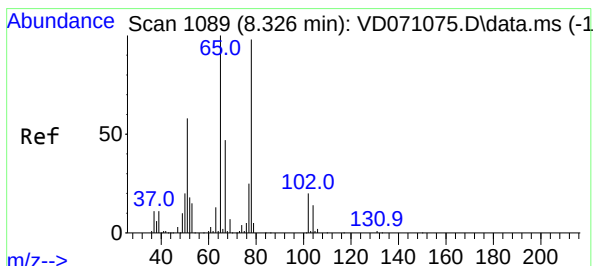
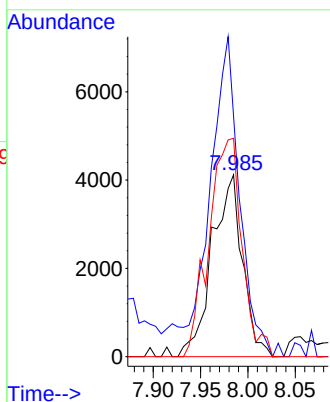
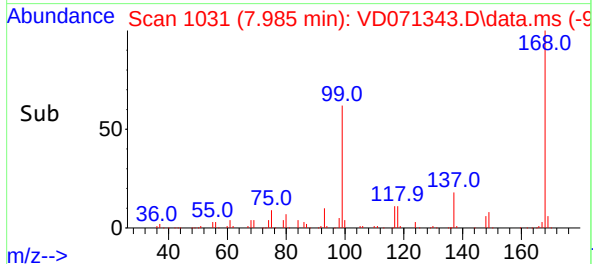


#31
Cyclohexane
Concen: 1.447 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

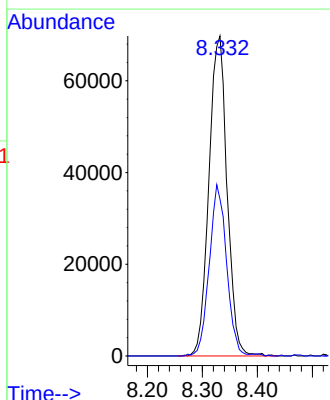
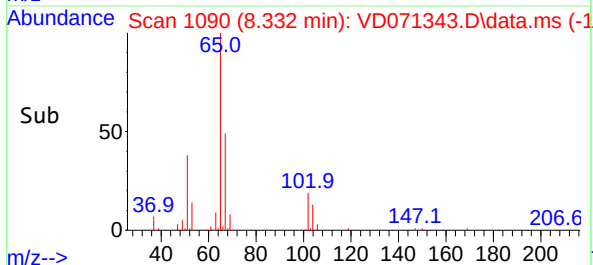
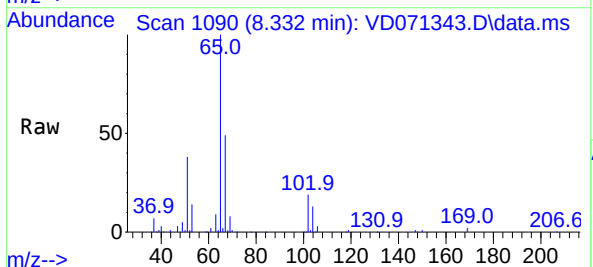


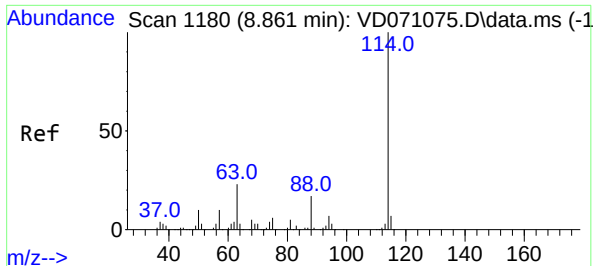
Tgt Ion: 56 Resp: 9211
Ion Ratio Lower Upper
56 100
69 124.9 25.9 38.9#
84 130.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 42.756 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 65 Resp: 159997
Ion Ratio Lower Upper
65 100
67 51.0 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071343.D

Acq: 15 Dec 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

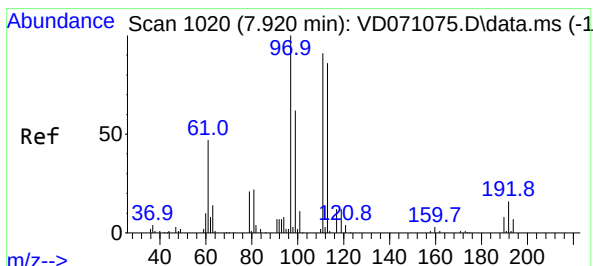
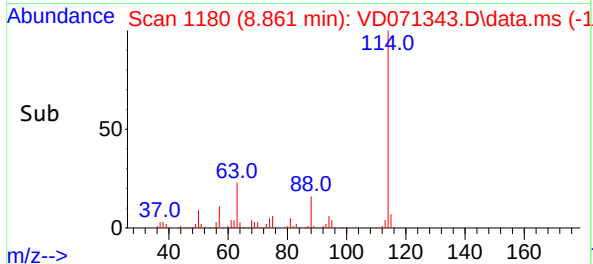
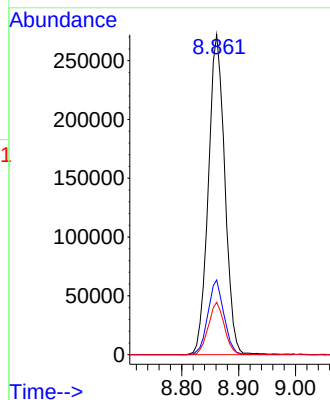
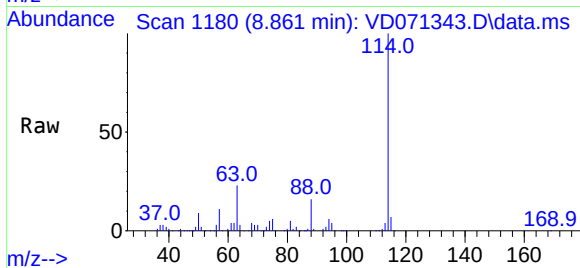
Tgt Ion:114 Resp: 545858

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.093 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071343.D

Acq: 15 Dec 2021 15:28

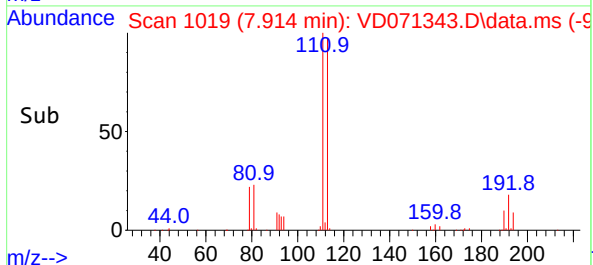
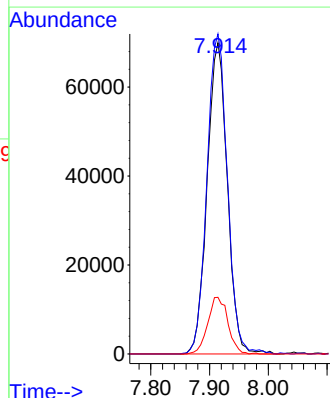
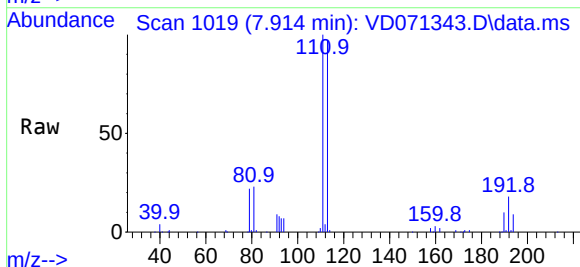
Tgt Ion:113 Resp: 167168

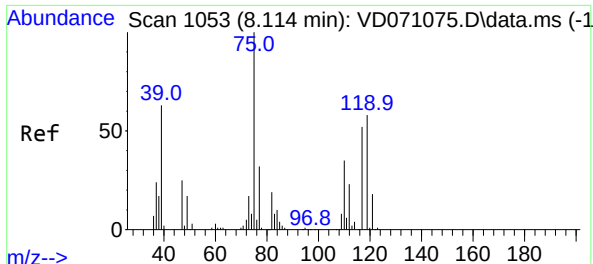
Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.733 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071343.D

Acq: 15 Dec 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

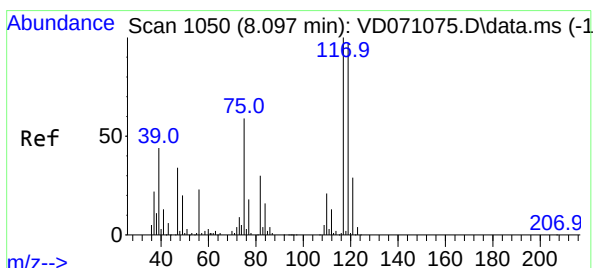
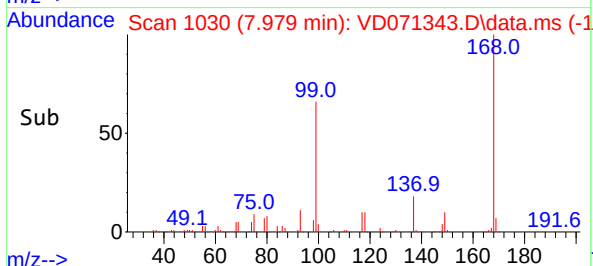
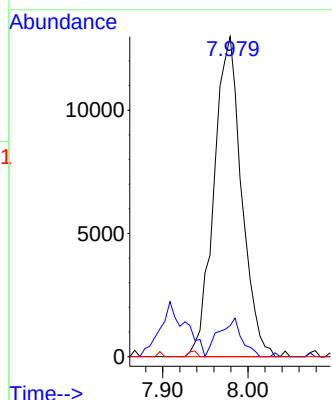
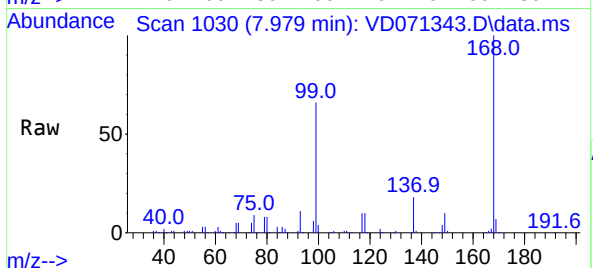
Tgt Ion: 75 Resp: 29249

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.864 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071343.D

Acq: 15 Dec 2021 15:28

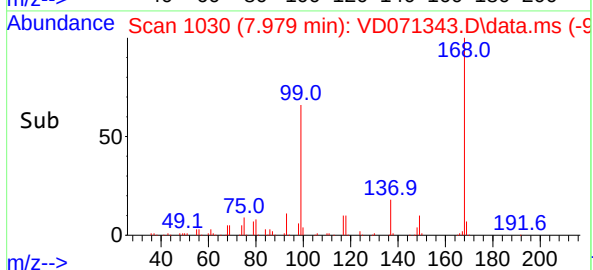
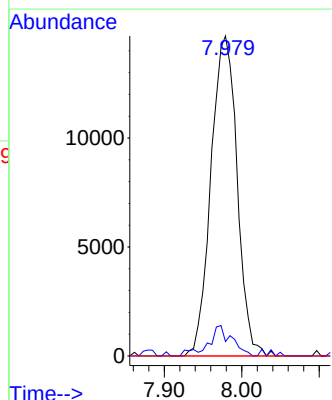
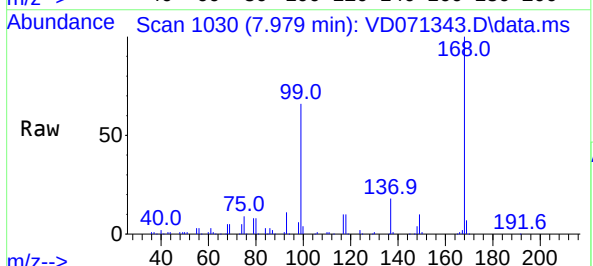
Tgt Ion: 117 Resp: 34520

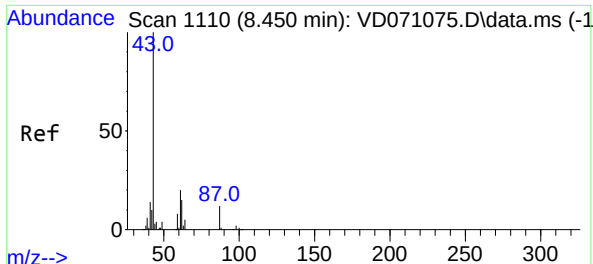
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 23.6 35.4#

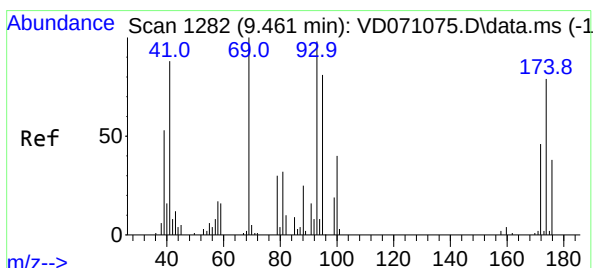
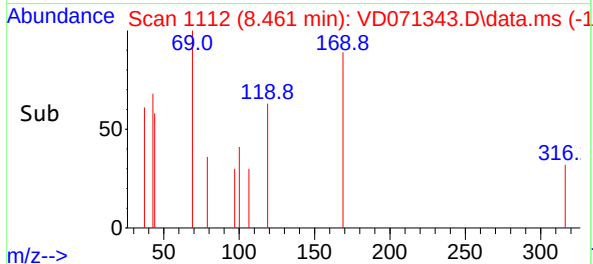
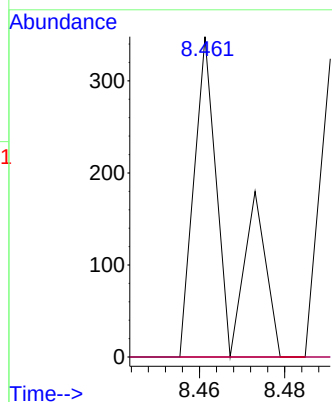
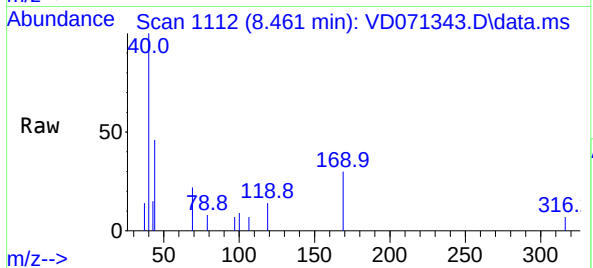




#43
Isopropyl Acetate
Concen: 5.257 ug/l
RT: 8.461 min Scan# 1110
Delta R.T. 0.011 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

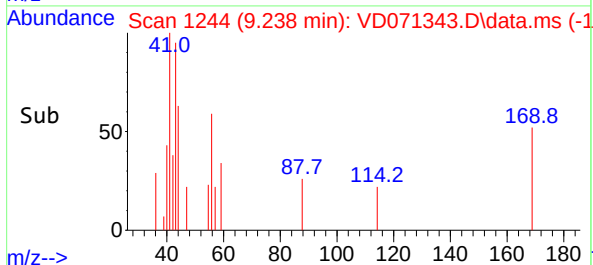
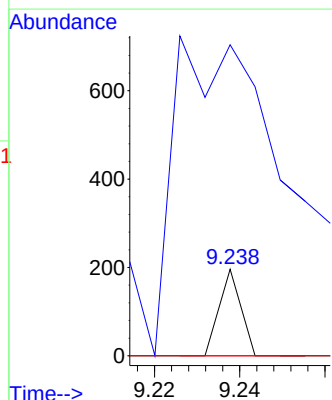
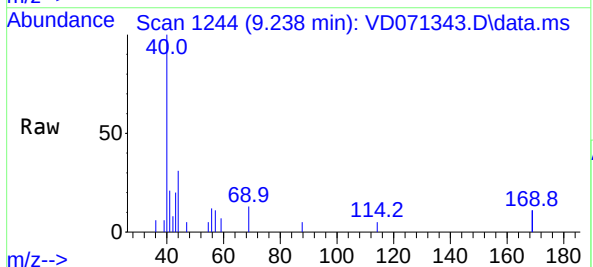
Instrument :
MSVOA_D
ClientSampleId :

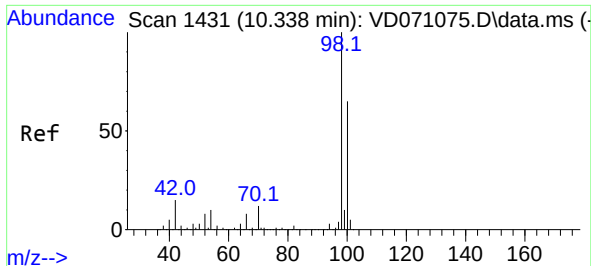
Tgt Ion: 43	Resp: 186
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#49
1,4-Dioxane
Concen: 3.780 ug/l
RT: 9.238 min Scan# 1244
Delta R.T. -0.223 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 88	Resp: 69
Ion Ratio	Lower Upper
88 100	
43 2373.9	28.9 43.3#
58 0.0	56.3 84.5#

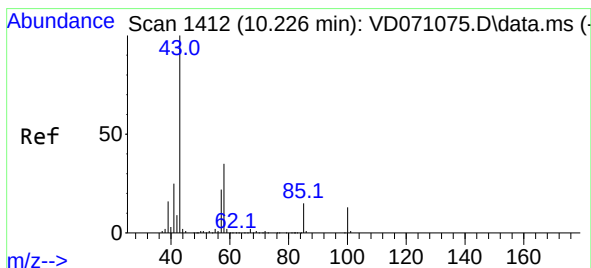
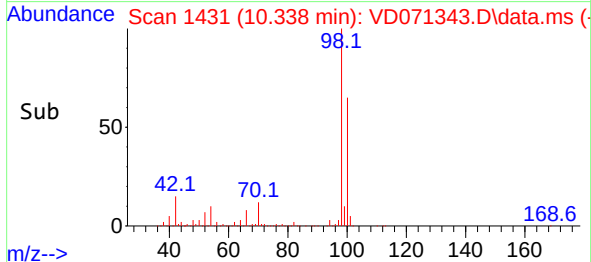
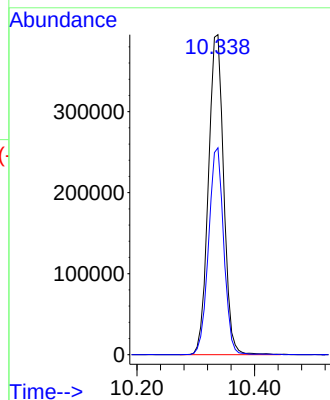
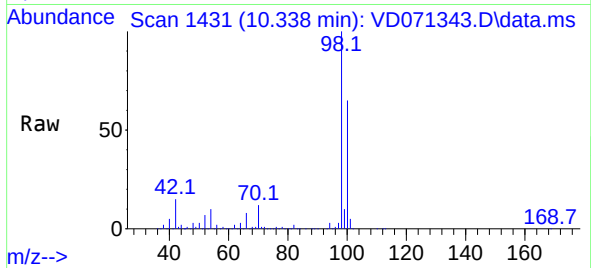




#50
Toluene-d8
Concen: 53.937 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

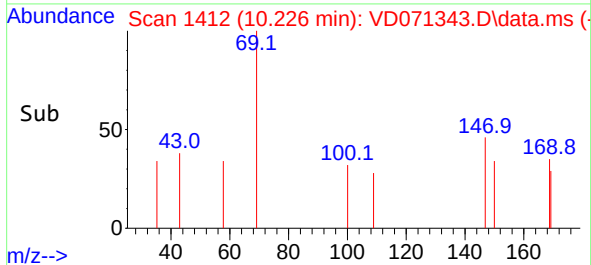
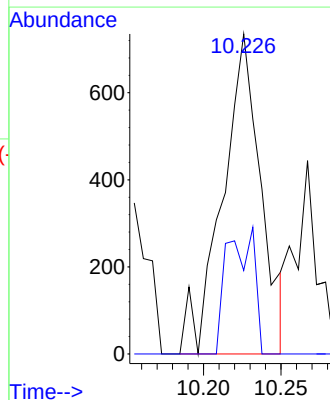
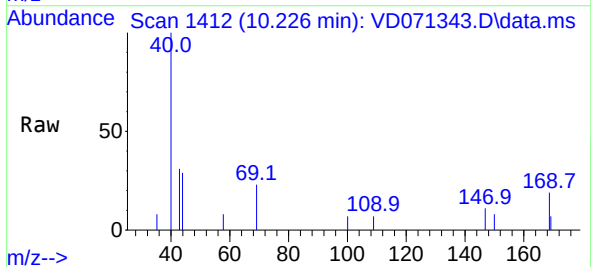
Instrument :
MSVOA_D
ClientSampleId :

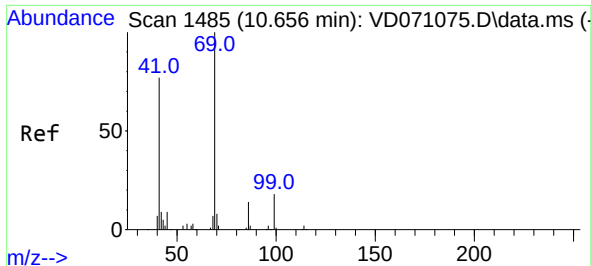
Tgt Ion: 98 Resp: 713472
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.101 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

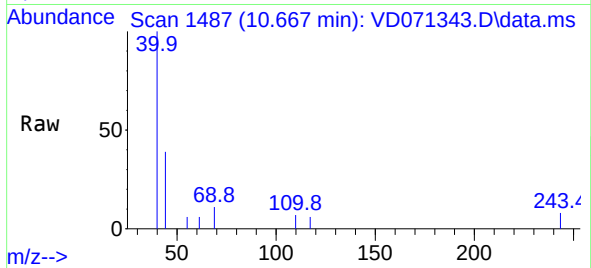
Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
58 27.7 33.1 49.7#





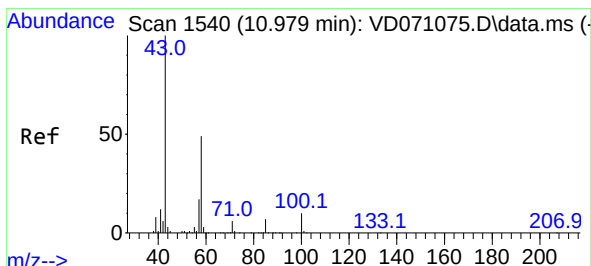
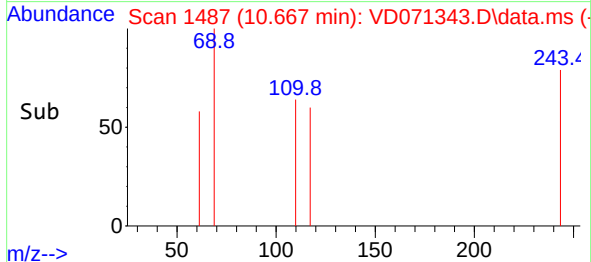
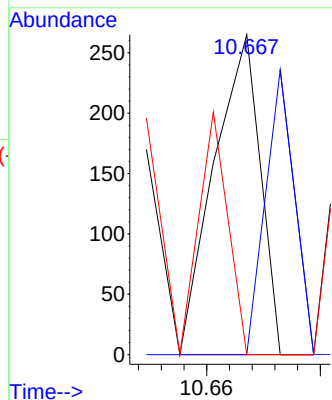
#56
Ethyl methacrylate
Concen: 6.007 ug/l
RT: 10.667 min Scan# 1485
Delta R.T. 0.011 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 69 Resp: 150

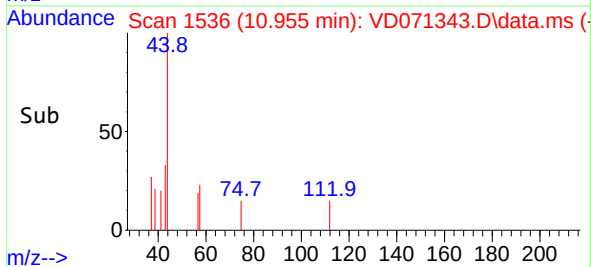
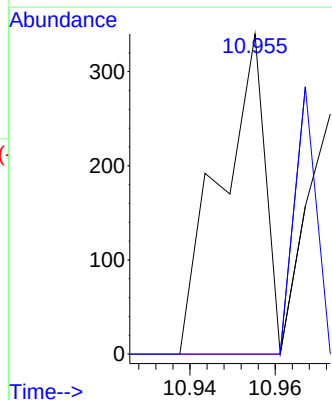
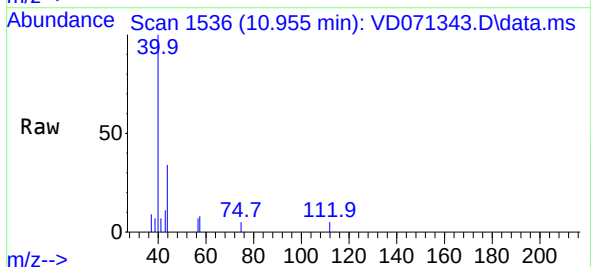
Ion	Ratio	Lower	Upper
69	100		
41	55.3	50.2	75.2
39	130.7	19.8	29.8

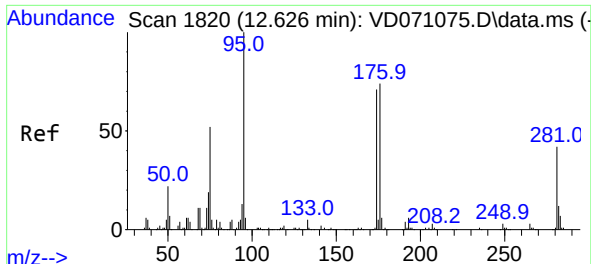


#59
2-Hexanone
Concen: 34.688 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 43 Resp: 248

Ion	Ratio	Lower	Upper
43	100		
58	40.3	28.7	86.1

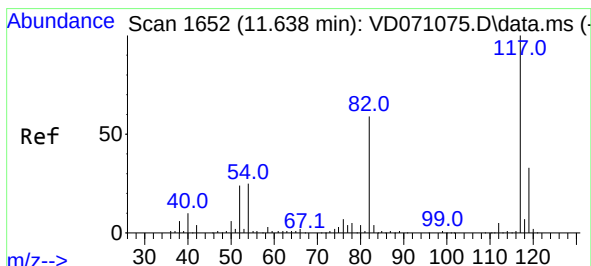
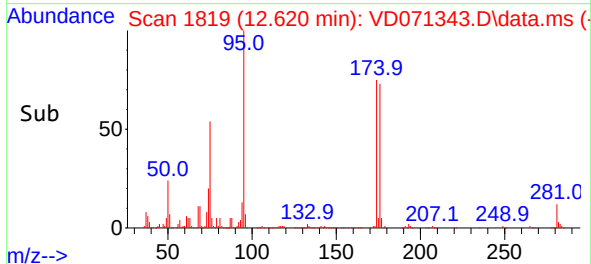
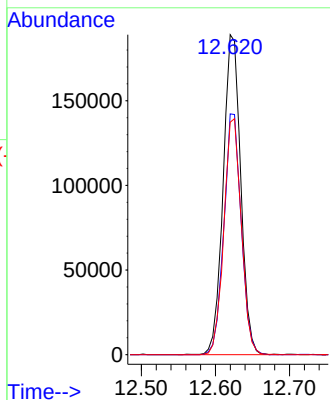
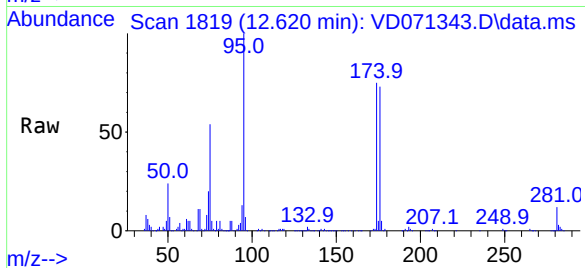




#62
4-Bromofluorobenzene
Concen: 67.793 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

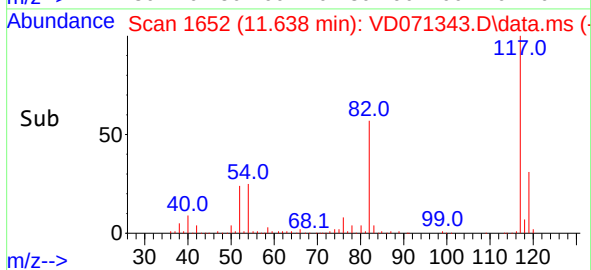
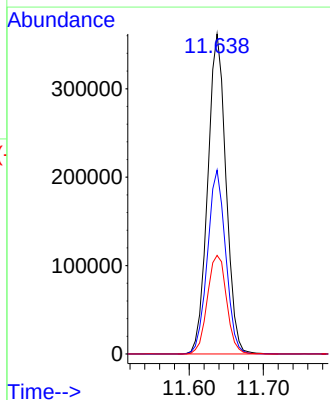
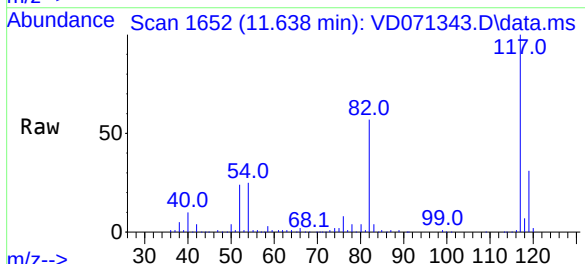
Instrument :
MSVOA_D
ClientSampleId :

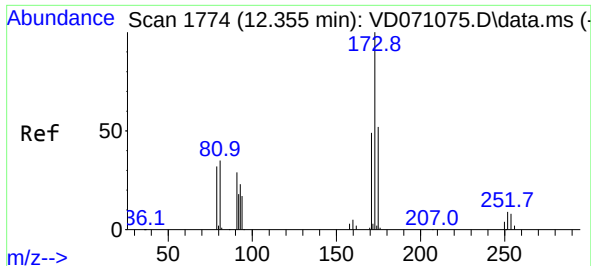
Tgt Ion: 95 Resp: 310847
Ion Ratio Lower Upper
95 100
174 74.2 0.0 159.4
176 73.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

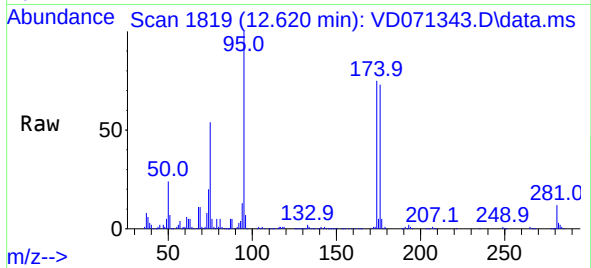
Tgt Ion: 117 Resp: 618705
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 30.8 26.2 39.4



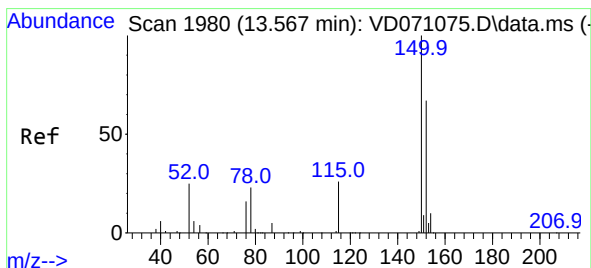
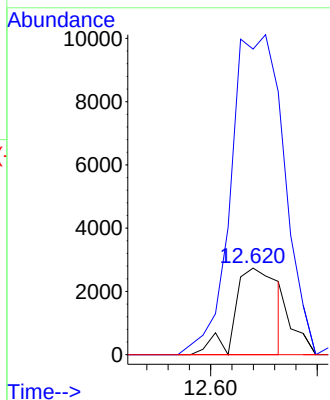
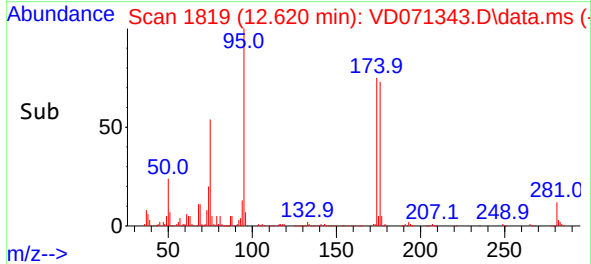


#71
Bromoform
Concen: 1.766 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

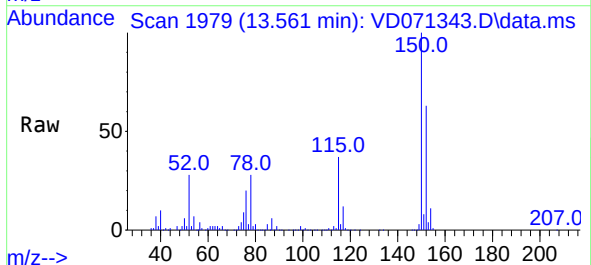
Instrument :
MSVOA_D
ClientSampleId :



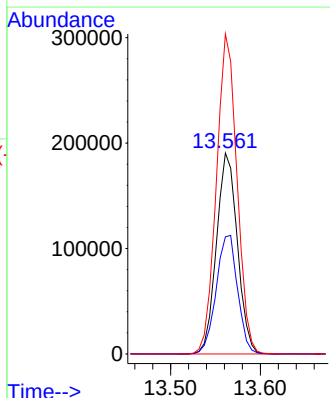
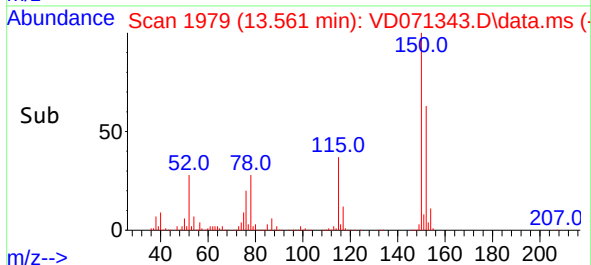
Tgt Ion:173 Resp: 3835
Ion Ratio Lower Upper
173 100
175 407.9 24.1 72.2#
254 0.0 0.1 0.1#

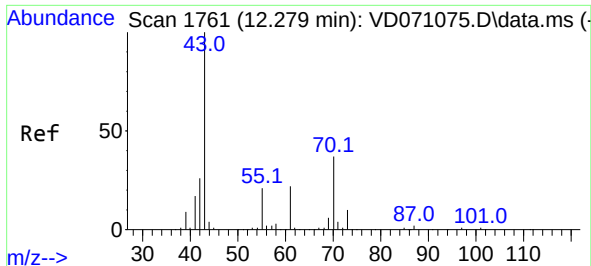


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28



Tgt Ion:152 Resp: 308596
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 156.7 0.0 349.2

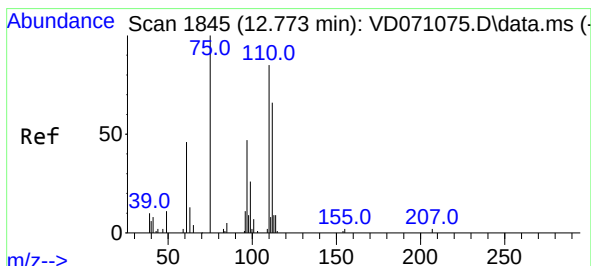
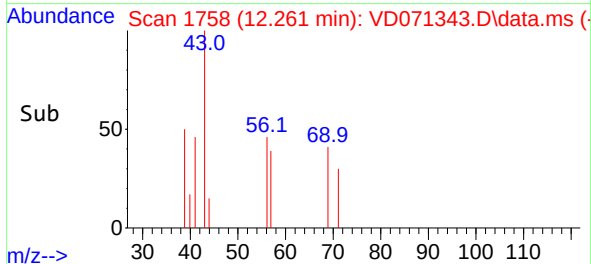
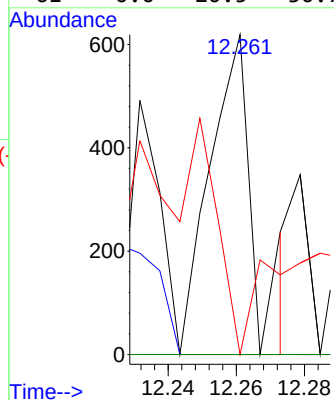
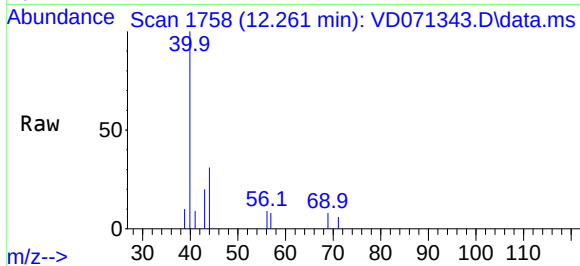




#74
N-amy1 acetate
Concen: 5.782 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

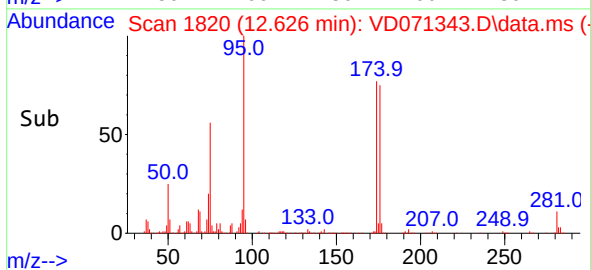
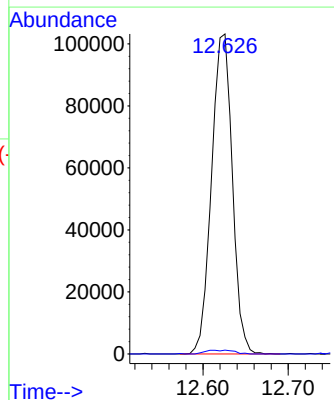
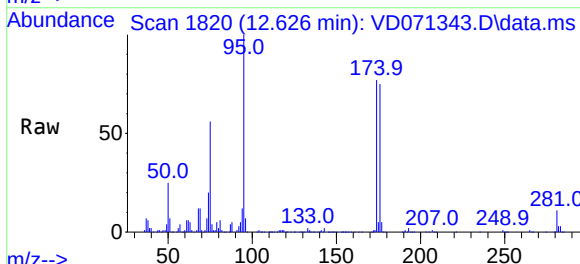
Instrument :
MSVOA_D
ClientSampleId :

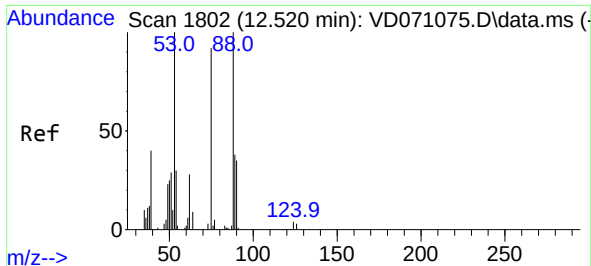
Tgt Ion: 43	Resp: 561
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 105.3	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.561 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071343.D
Acq: 15 Dec 2021 15:28

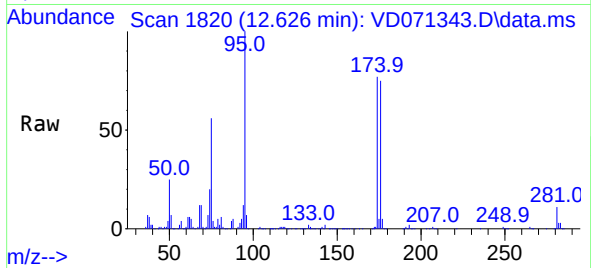
Tgt Ion: 75	Resp: 175120
Ion Ratio	Lower Upper
75 100	
77 0.9	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.997 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071343.D
 Acq: 15 Dec 2021 15:28

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 175120
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

