

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071167.D
 Acq On : 06 Dec 2021 13:09
 Operator : VA/SY
 Sample : M4927-14RE
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PH1-BOT-20RE

Quant Time: Dec 07 06:51:54 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)

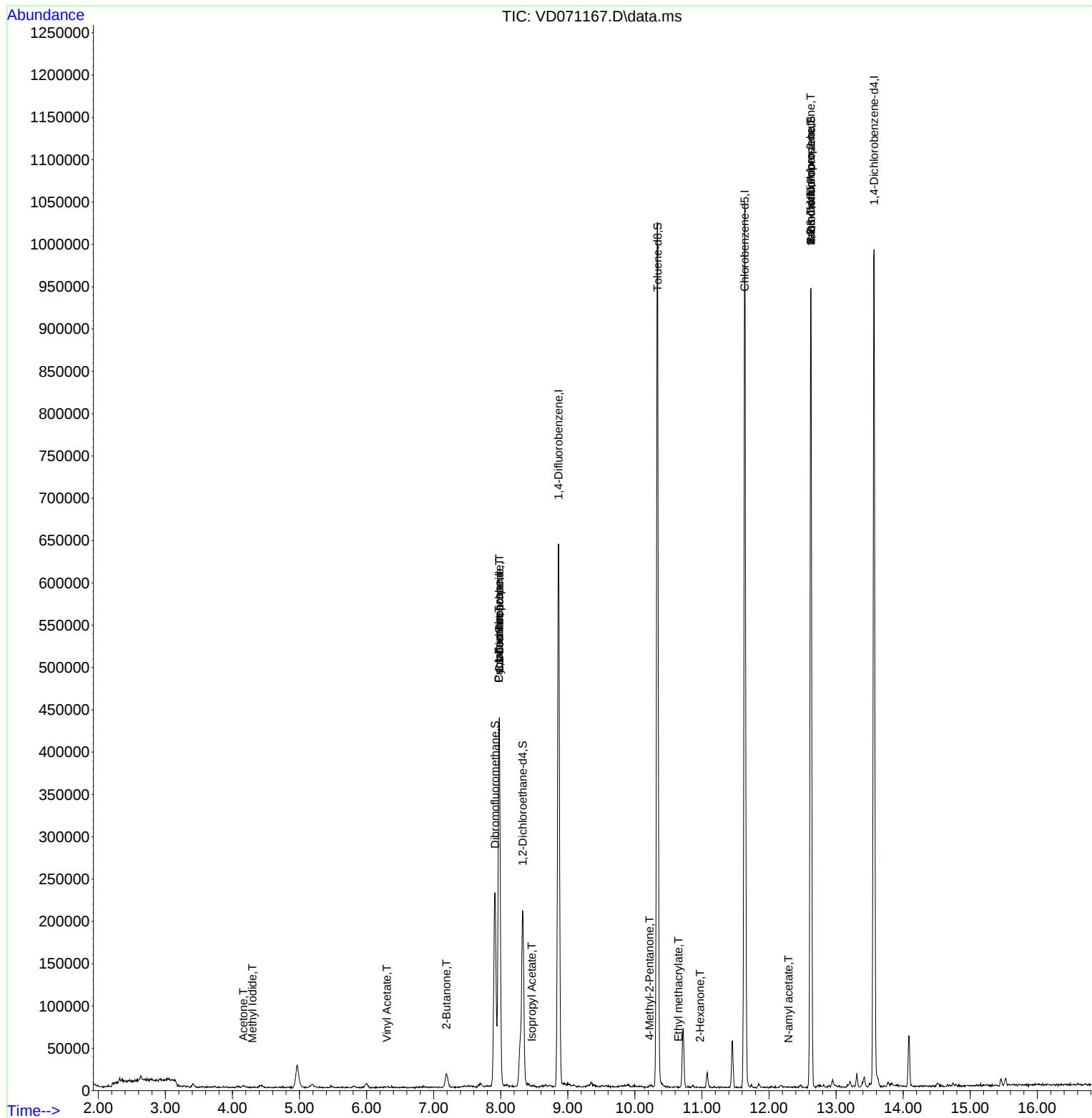
Internal Standards						
1) Pentafluorobenzene	7.973	168	308249	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	519583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	550256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	250178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157950	43.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.340%
35) Dibromofluoromethane	7.914	113	163825	49.514	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.020%
50) Toluene-d8	10.338	98	671638	53.342	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.680%
62) 4-Bromofluorobenzene	12.626	95	257433	58.983	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.960%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	128	4.593	ug/l #	40
11) Tert butyl alcohol	5.191	59	1362	Below Cal	#	71
16) Acetone	4.162	43	3609	34.091	ug/l	89
23) Vinyl Acetate	6.303	43	459	27.288	ug/l #	72
25) 2-Butanone	7.191	43	846	29.035	ug/l #	45
31) Cyclohexane	7.973	56	9271	1.507	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	27900	5.745	ug/l #	49
38) Carbon Tetrachloride	7.979	117	33352	6.967	ug/l #	16
41) Methacrylonitrile	7.532	41	88	Below Cal	#	1
43) Isopropyl Acetate	8.461	43	221	5.266	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1107	31.062	ug/l #	86
56) Ethyl methacrylate	10.650	69	112	5.999	ug/l #	46
59) 2-Hexanone	10.973	43	94	34.619	ug/l #	22
71) Bromoform	12.626	173	2688	1.392	ug/l #	1
74) N-amyl acetate	12.291	43	192	5.735	ug/l #	62
76) 1,2,3-Trichloropropane	12.620	75	147671	61.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	147671	133.945	ug/l #	18

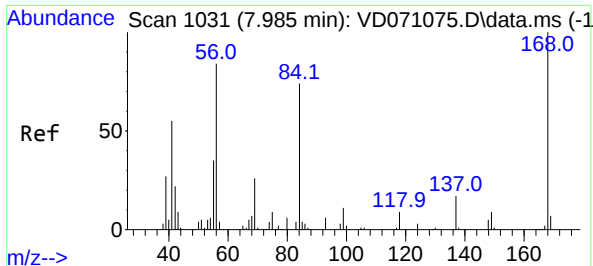
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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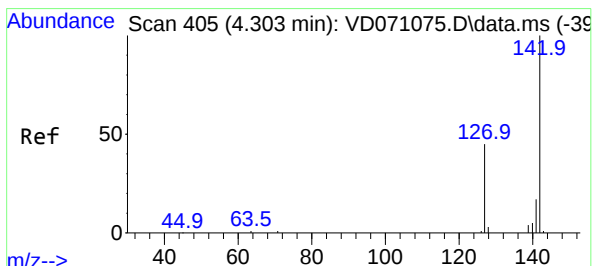
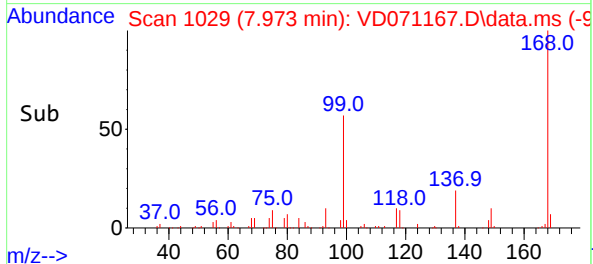
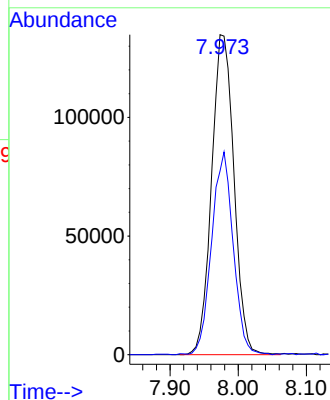
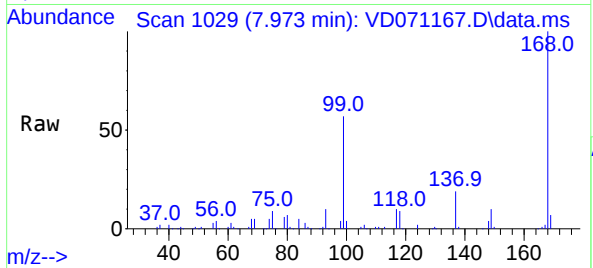




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

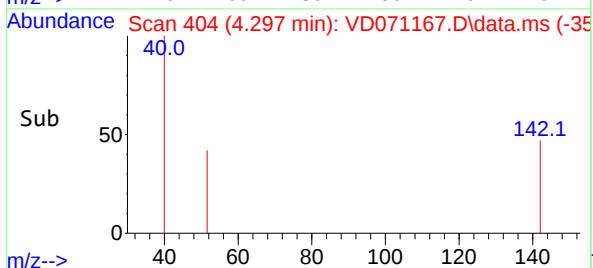
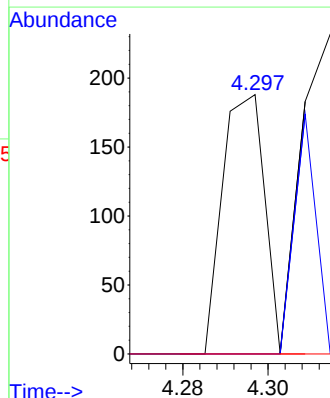
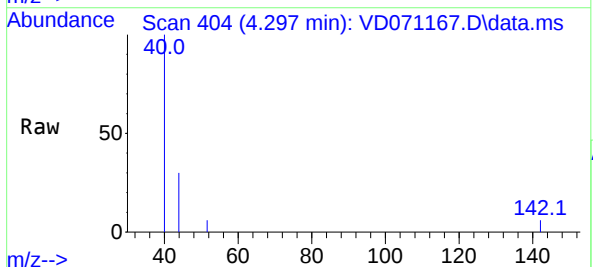
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

Tgt Ion:168 Resp: 308249
Ion Ratio Lower Upper
168 100
99 57.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.593 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

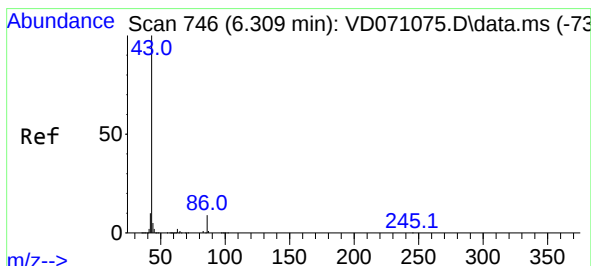
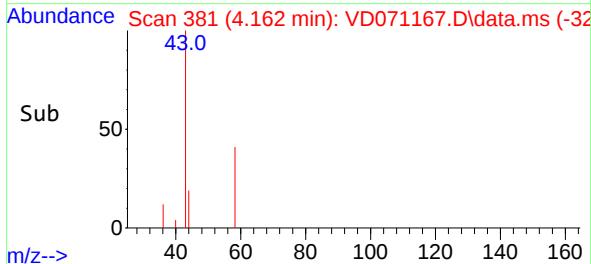
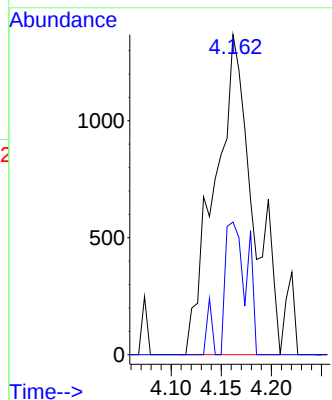
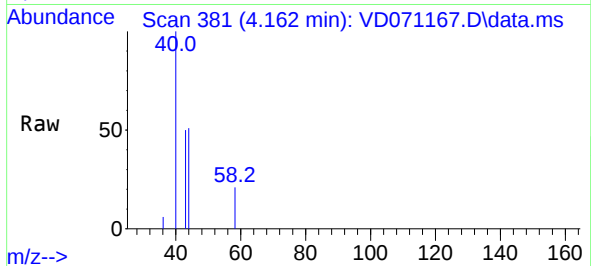




#16
Acetone
Concen: 34.091 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

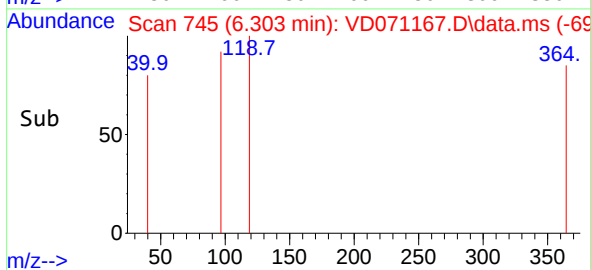
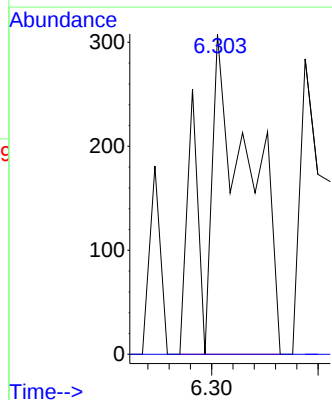
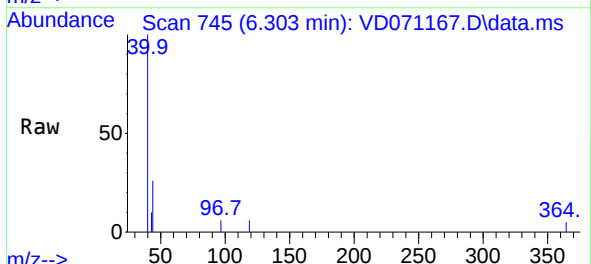
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

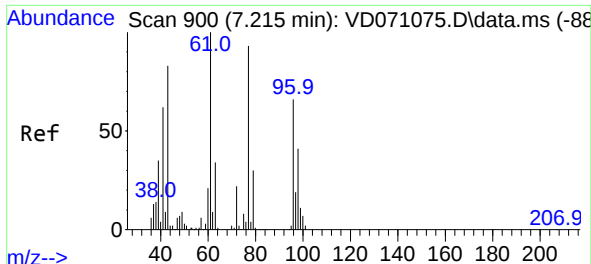
Tgt Ion: 43 Resp: 3609
Ion Ratio Lower Upper
43 100
58 41.4 27.8 41.8



#23
Vinyl Acetate
Concen: 27.288 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

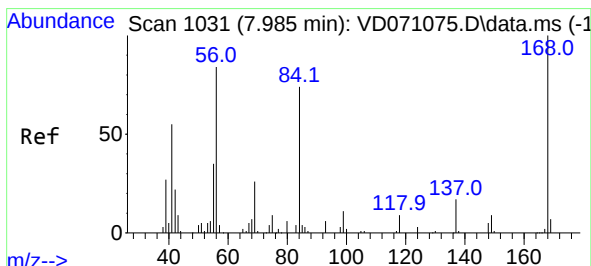
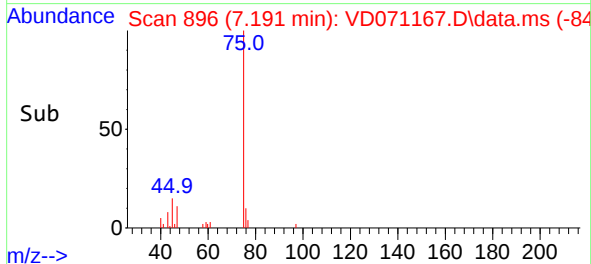
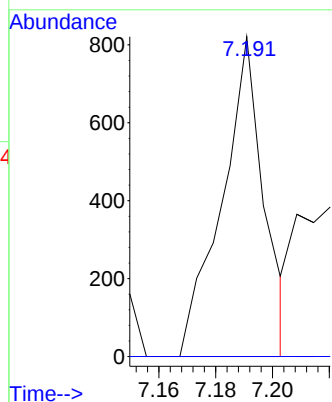
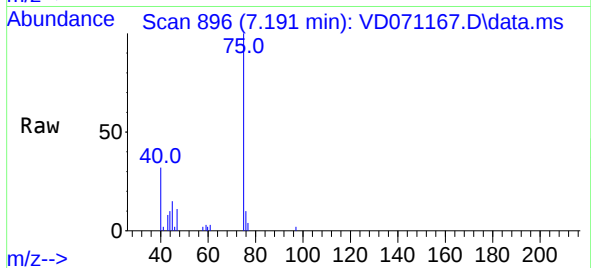




#25
2-Butanone
Concen: 29.035 ug/l
RT: 7.191 min Scan# 846
Delta R.T. -0.024 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

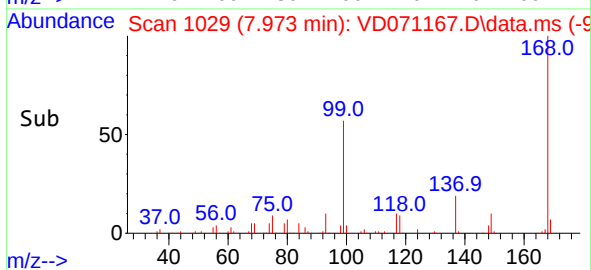
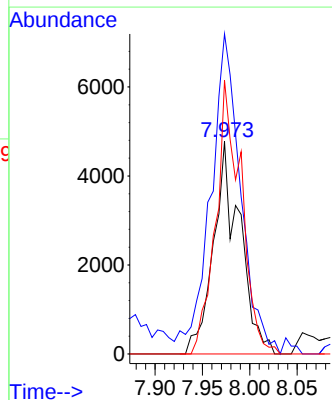
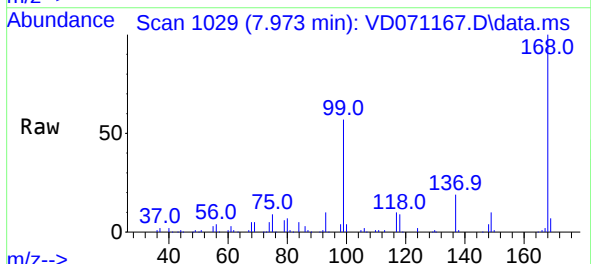
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

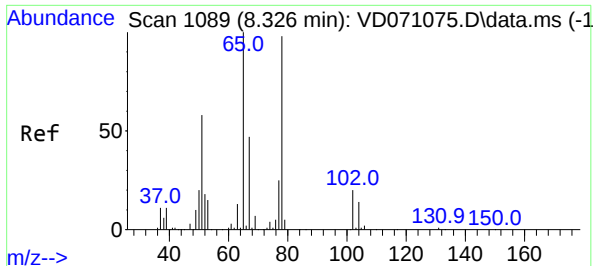
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.507 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 56 Resp: 9271
Ion Ratio Lower Upper
56 100
69 150.6 25.9 38.9#
84 128.8 64.3 96.5#

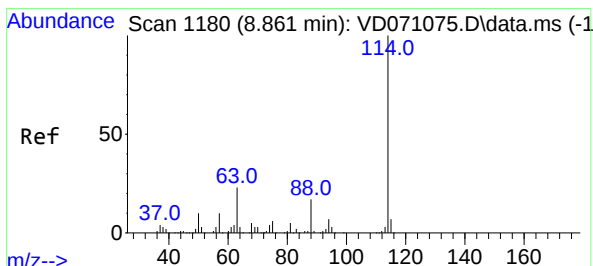
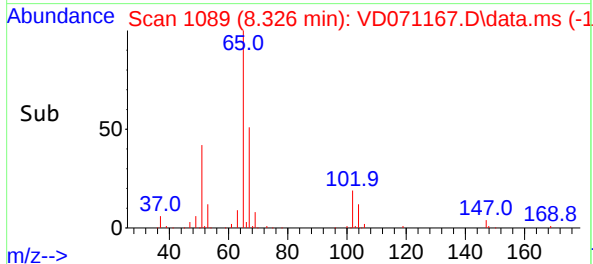
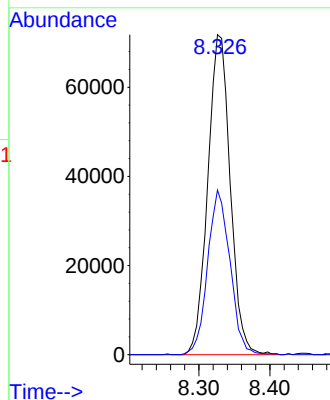
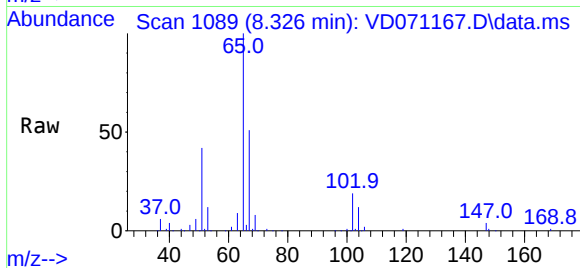




#33
1,2-Dichloroethane-d4
Concen: 43.669 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

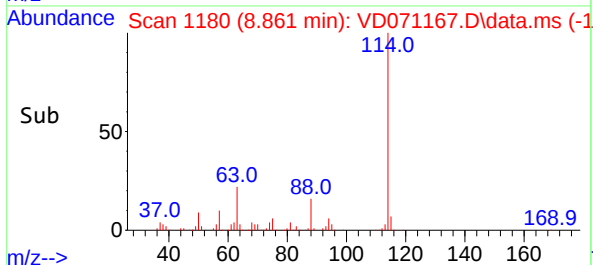
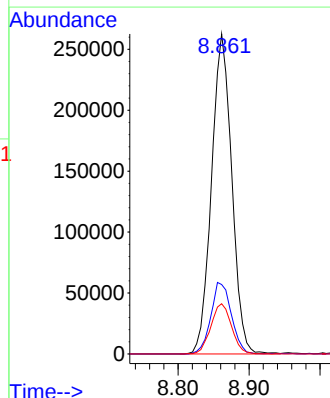
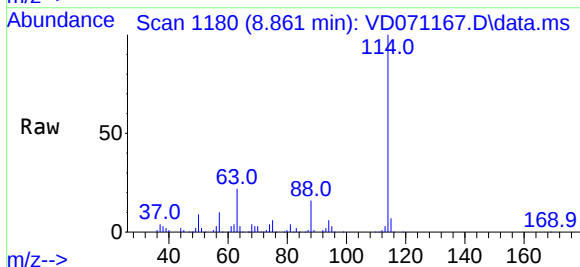
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

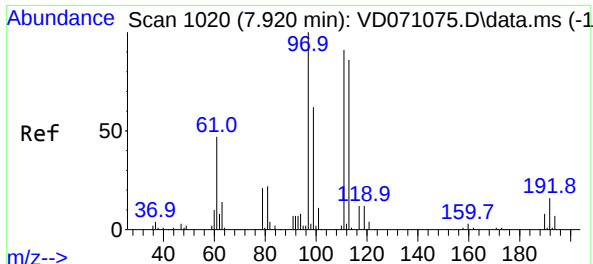
Tgt Ion: 65 Resp: 157950
Ion Ratio Lower Upper
65 100
67 51.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 114 Resp: 519583
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.514 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071167.D

Acq: 06 Dec 2021 13:09

Instrument :

MSVOA_D

ClientSampleId :

PH1-BOT-20RE

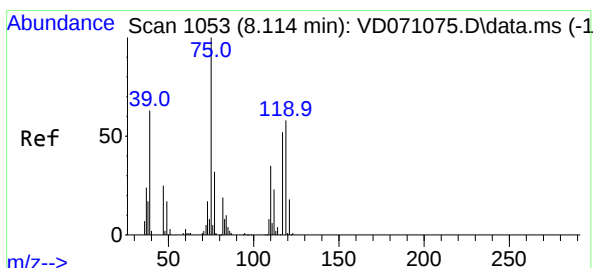
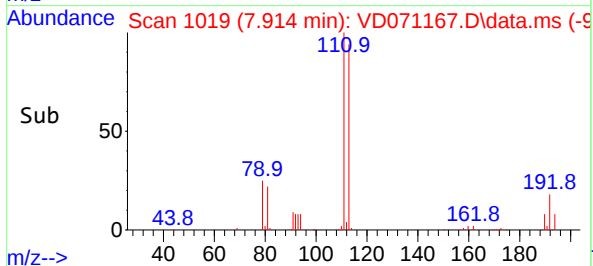
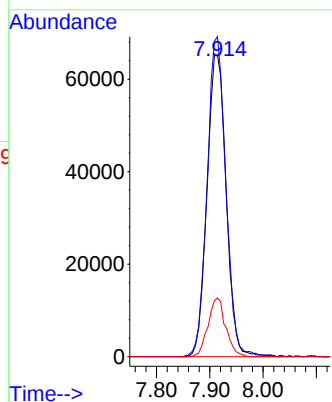
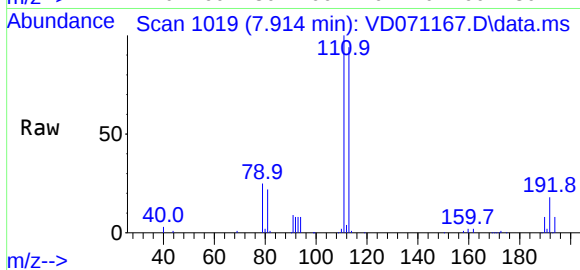
Tgt Ion:113 Resp: 163825

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.745 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071167.D

Acq: 06 Dec 2021 13:09

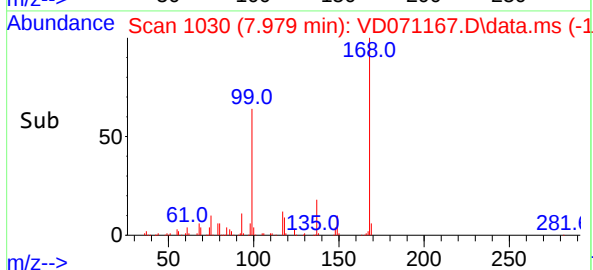
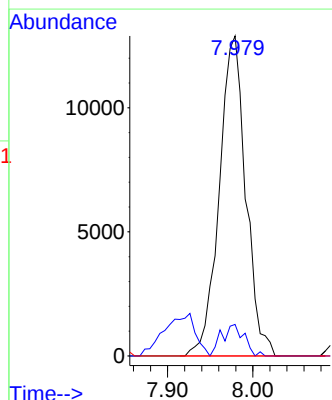
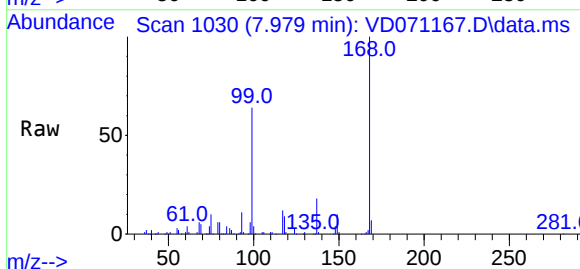
Tgt Ion: 75 Resp: 27900

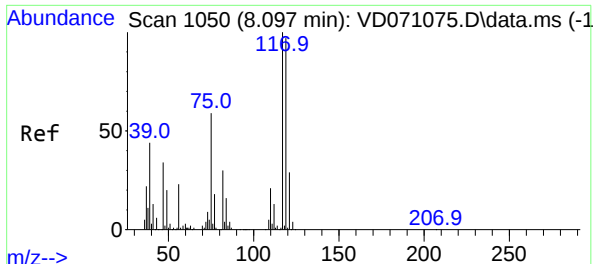
Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.4#

77 0.0 24.8 37.2#

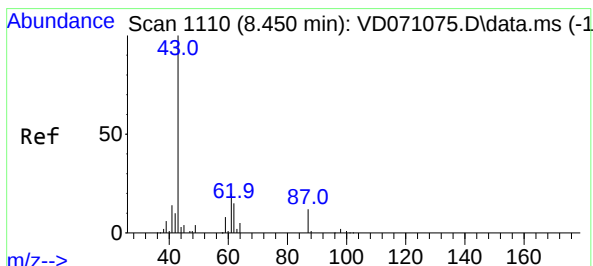
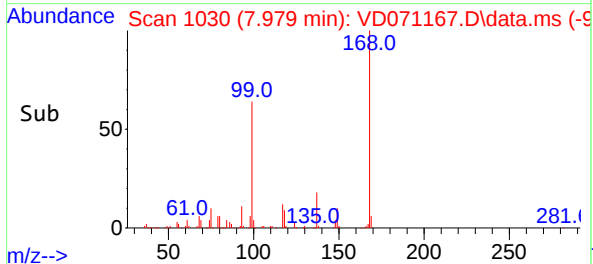
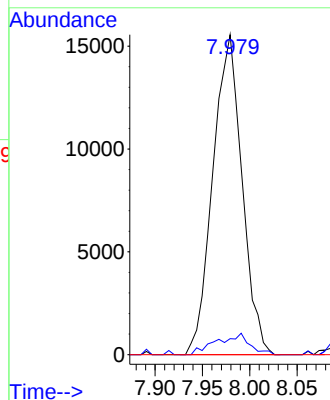
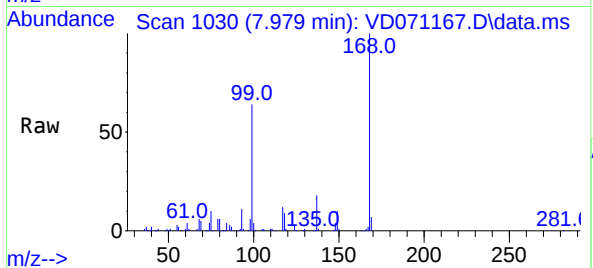




#38
Carbon Tetrachloride
Concen: 6.967 ug/l
RT: 7.979 min Scan# 110
Delta R.T. -0.118 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

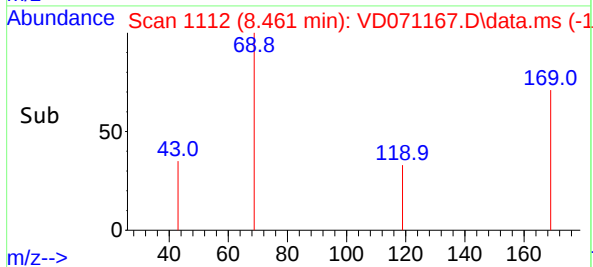
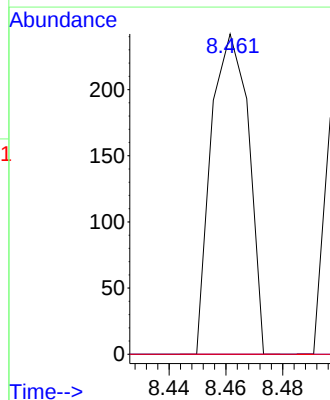
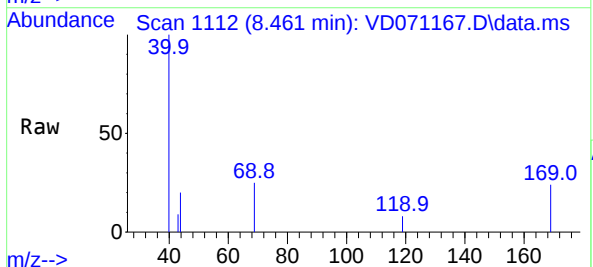
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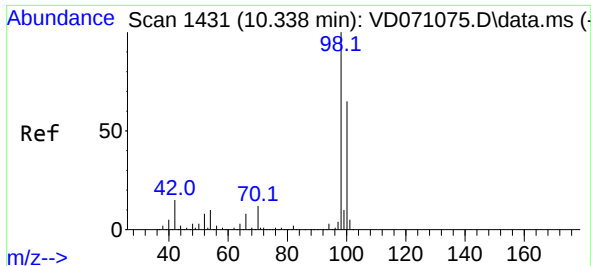
Tgt Ion:117 Resp: 33352
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.266 ug/l
RT: 8.461 min Scan# 1112
Delta R.T. 0.011 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

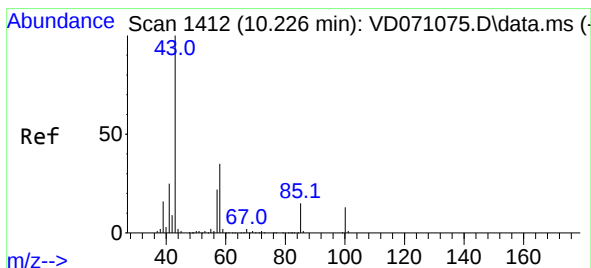
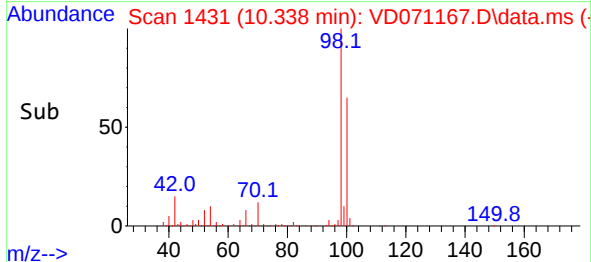
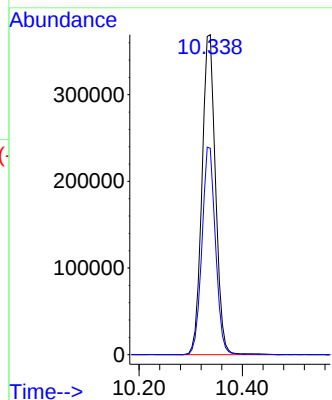
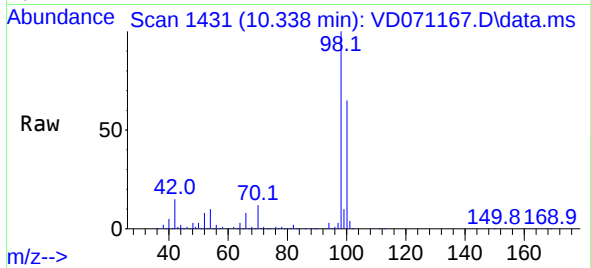




#50
Toluene-d8
Concen: 53.342 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

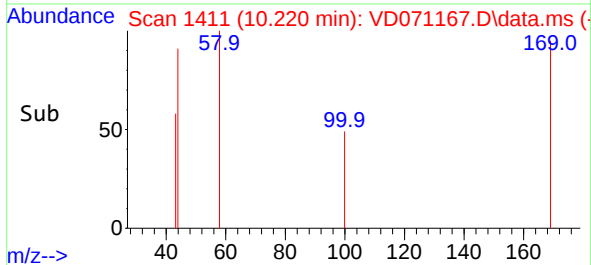
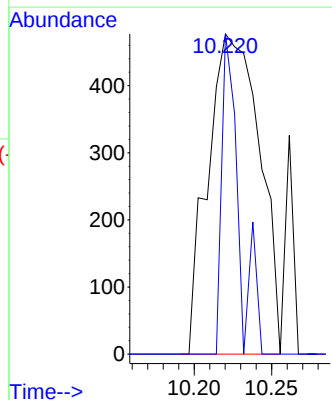
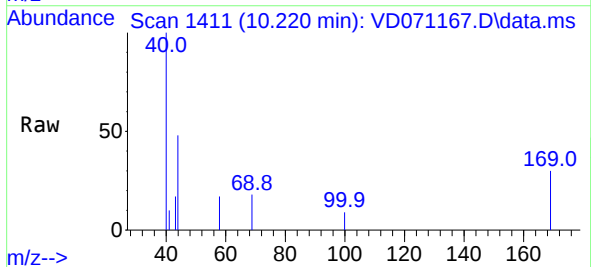
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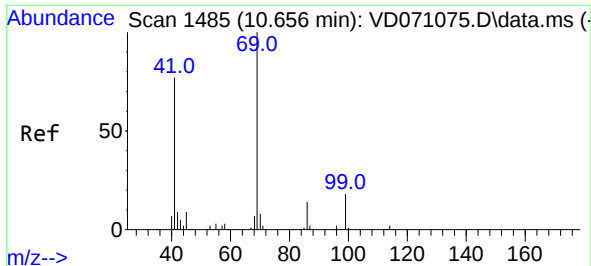
Tgt Ion: 98 Resp: 671638
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.062 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 43 Resp: 1107
Ion Ratio Lower Upper
43 100
58 32.9 33.1 49.7#

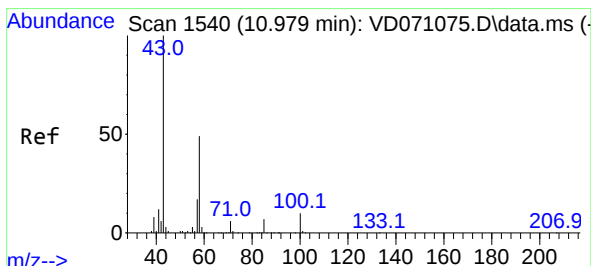
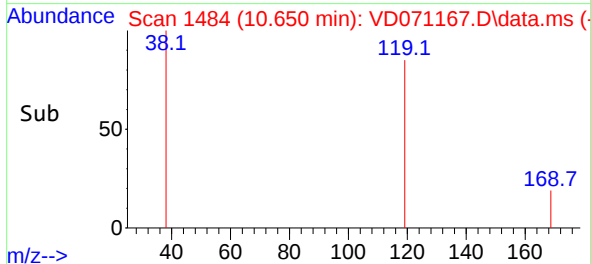
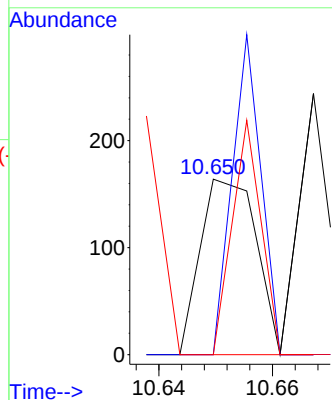
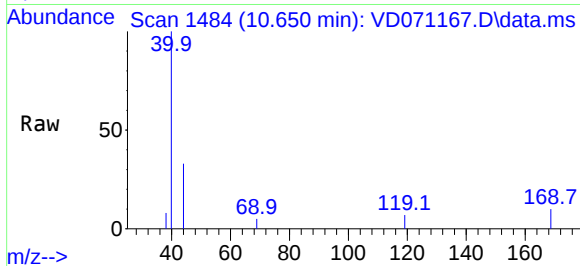




#56
Ethyl methacrylate
Concen: 5.999 ug/l
RT: 10.650 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

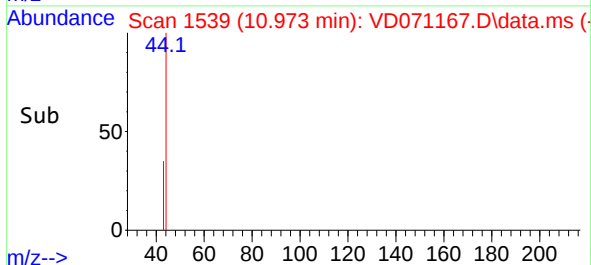
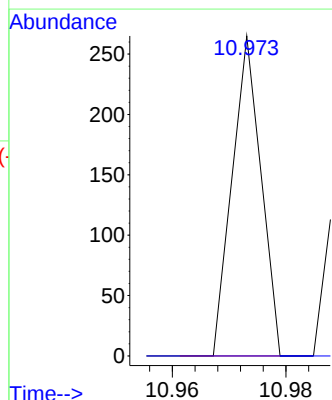
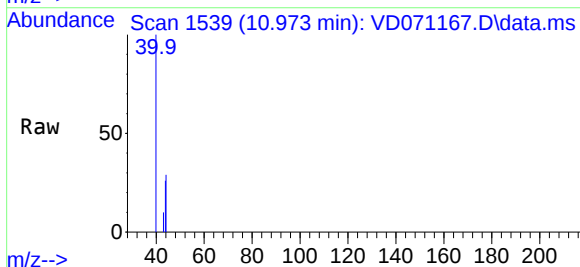
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

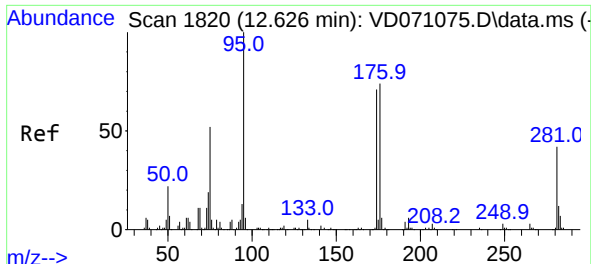
Tgt Ion: 69 Resp: 112
Ion Ratio Lower Upper
69 100
41 94.6 50.2 75.2#
39 68.8 19.8 29.8#



#59
2-Hexanone
Concen: 34.619 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

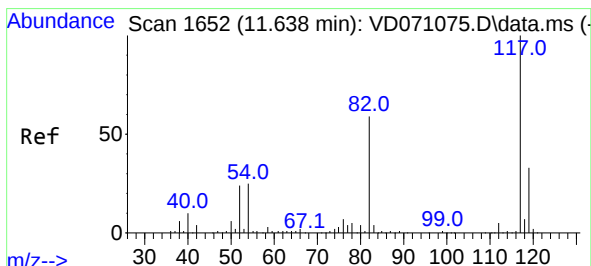
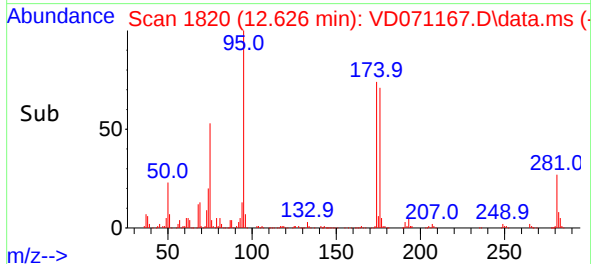
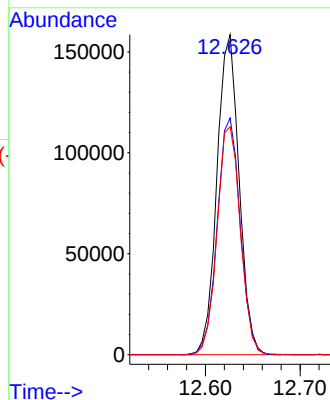
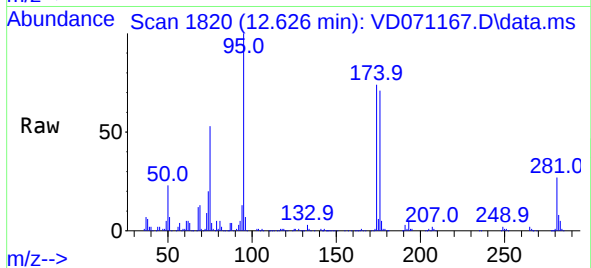




#62
4-Bromofluorobenzene
Concen: 58.983 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

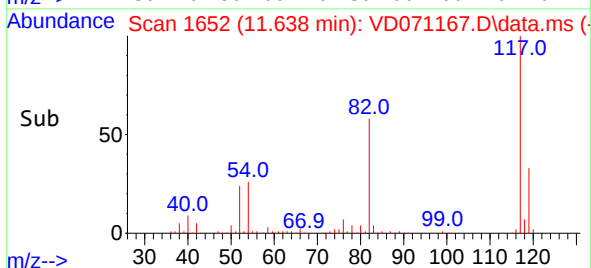
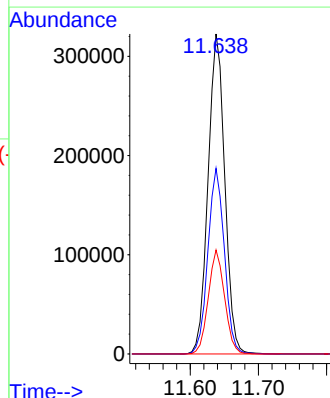
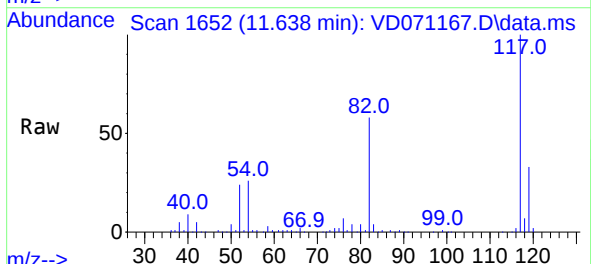
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

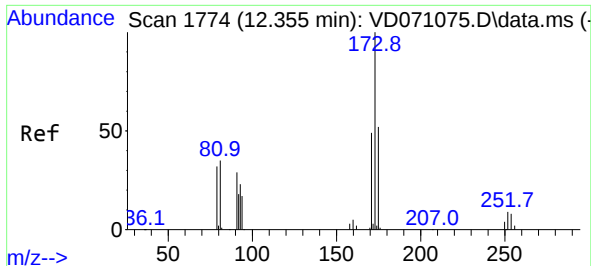
Tgt Ion: 95 Resp: 257433
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 74.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion: 117 Resp: 550256
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 32.5 26.2 39.4

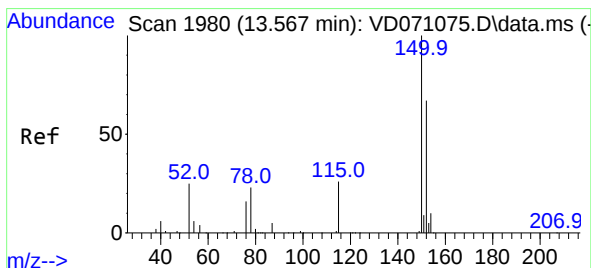
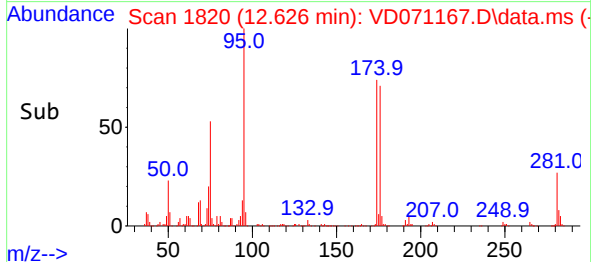
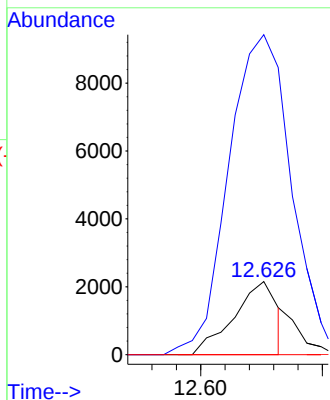
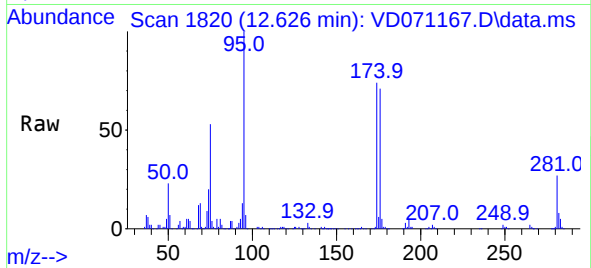




#71
Bromoform
Concen: 1.392 ug/l
RT: 12.626 min Scan# 1173
Delta R.T. 0.271 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

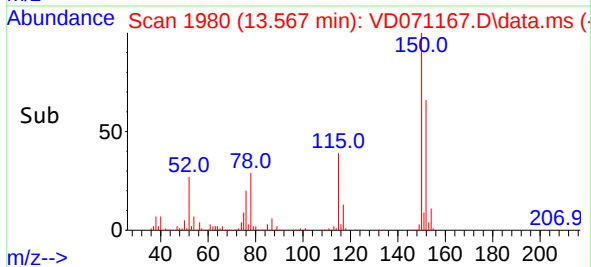
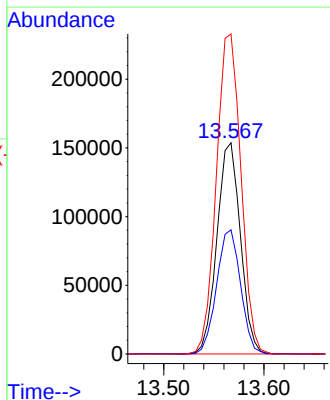
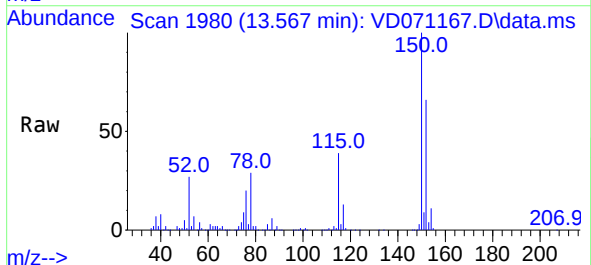
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

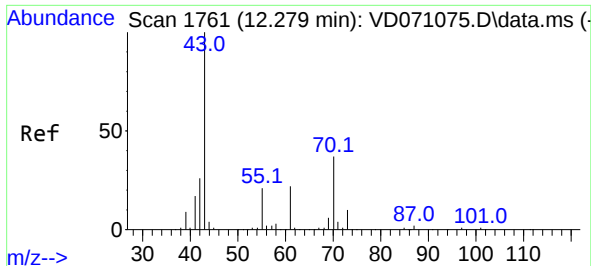
Tgt Ion:173 Resp: 2688
Ion Ratio Lower Upper
173 100
175 517.2 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

Tgt Ion:152 Resp: 250178
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 158.7 0.0 349.2

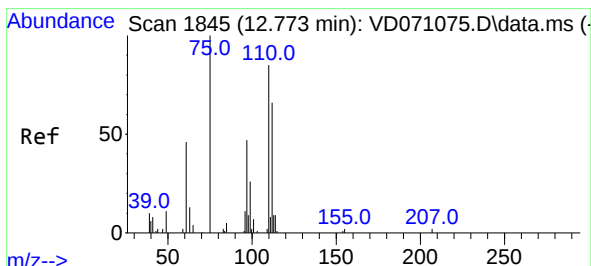
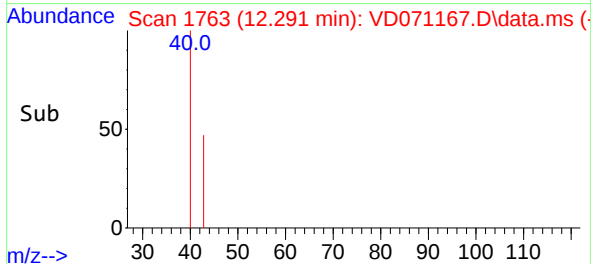
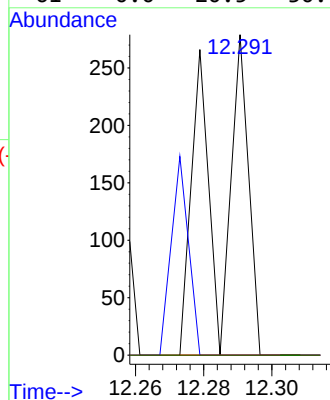
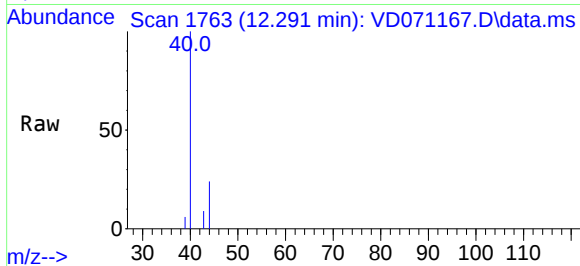




#74
N-amy1 acetate
Concen: 5.735 ug/l
RT: 12.291 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

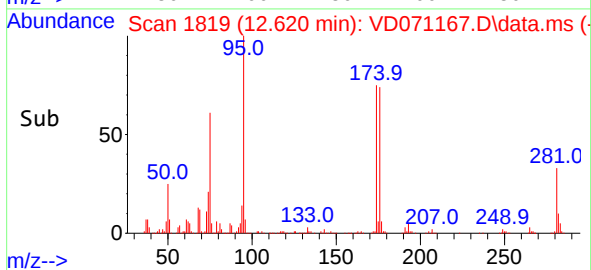
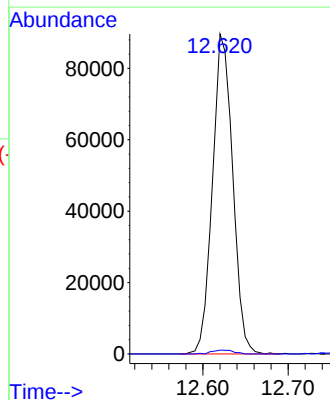
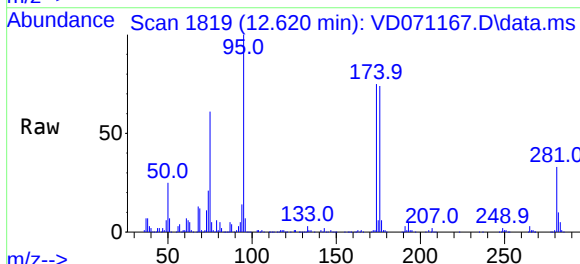
Instrument :
MSVOA_D
ClientSampleId :
PH1-BOT-20RE

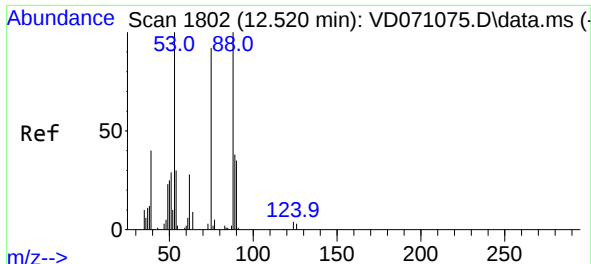
Tgt Ion: 43	Resp:	192	
Ion	Ratio	Lower	Upper
43	100		
70	31.8	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 61.953 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071167.D
Acq: 06 Dec 2021 13:09

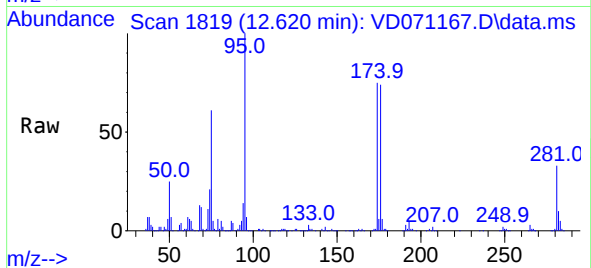
Tgt Ion: 75	Resp: 147671
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.945 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071167.D
 Acq: 06 Dec 2021 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 PH1-BOT-20RE



Tgt Ion: 75 Resp: 147671
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

