

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071091.D
 Acq On : 30 Nov 2021 19:00
 Operator : VA/SY
 Sample : M4867-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-DUP-20211124

Quant Time: Dec 01 03:34:57 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

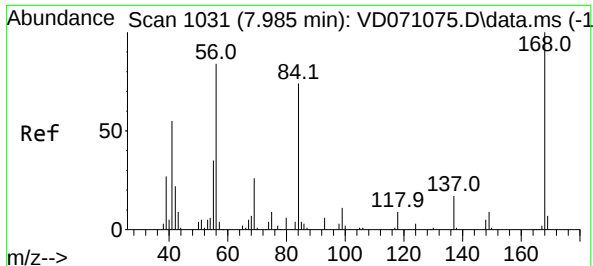
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	316980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	570290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	234966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	176202	47.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.740%		
35) Dibromofluoromethane	7.914	113	181036	47.672	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.340%		
50) Toluene-d8	10.338	98	751268	51.986	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.980%		
62) 4-Bromofluorobenzene	12.626	95	259970	51.896	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.800%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.297	142	64	4.576	ug/l #	40
11) Tert butyl alcohol	5.185	59	1744	Below Cal	#	71
16) Acetone	4.162	43	7563	37.511	ug/l #	82
23) Vinyl Acetate	6.314	43	60	27.227	ug/l #	72
25) 2-Butanone	7.220	43	1385	29.435	ug/l #	84
31) Cyclohexane	7.985	56	9079	1.435	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	28001	5.024	ug/l #	49
38) Carbon Tetrachloride	7.979	117	33649	6.124	ug/l #	19
41) Methacrylonitrile	7.555	41	329	Below Cal	#	42
43) Isopropyl Acetate	8.438	43	974	5.388	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	832	30.921	ug/l	89
56) Ethyl methacrylate	10.573	69	65	5.985	ug/l #	1
59) 2-Hexanone	10.973	43	314	34.706	ug/l #	22
71) Bromoform	12.626	173	2859	1.428	ug/l #	1
74) N-amyl acetate	12.261	43	1754	6.035	ug/l #	54
76) 1,2,3-Trichloropropane	12.626	75	144522	64.558	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	144522	139.333	ug/l #	18

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

Quant Time: Dec 01 03:34:57 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

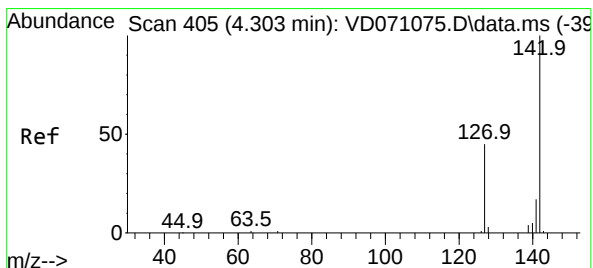
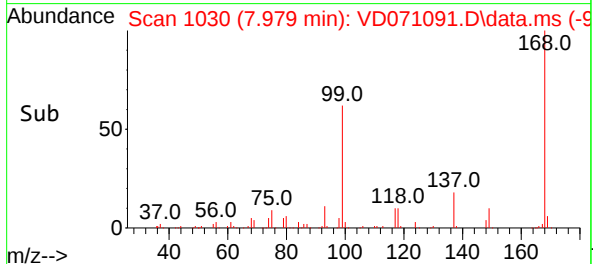
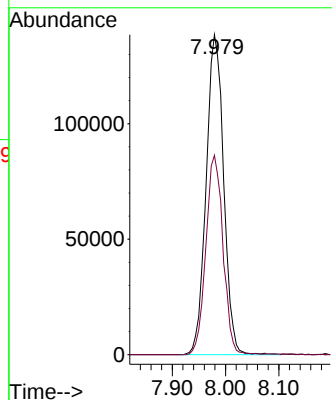
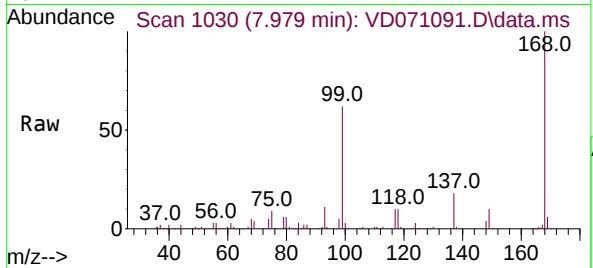




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

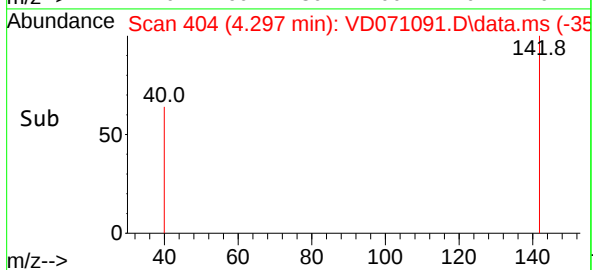
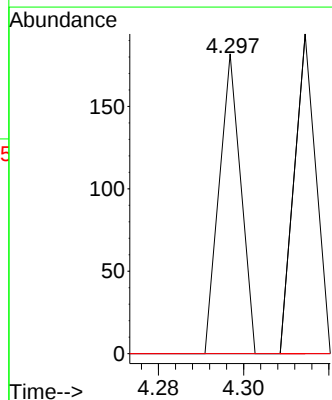
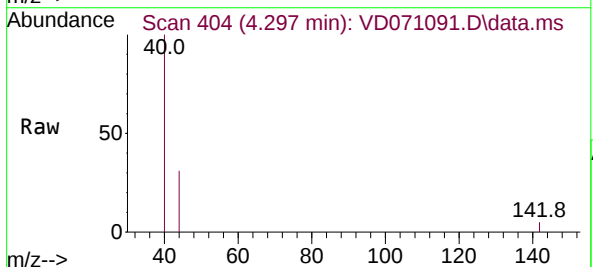
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

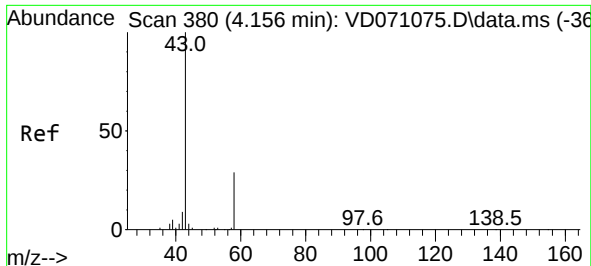
Tgt Ion:168 Resp: 316980
Ion Ratio Lower Upper
168 100
99 62.3 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

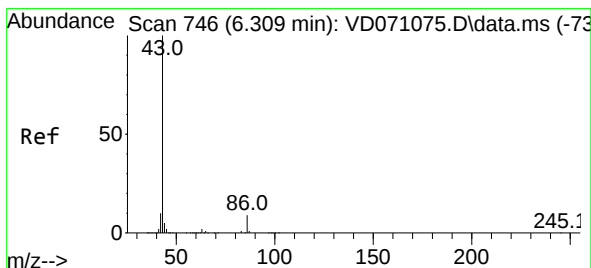
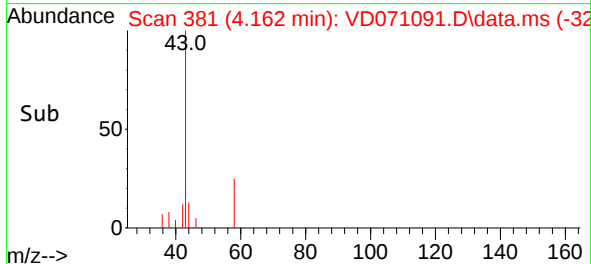
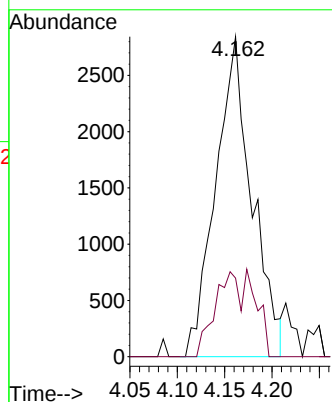
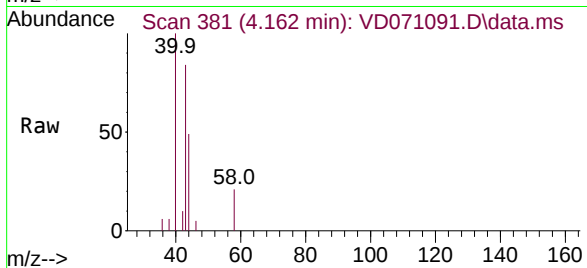




#16
Acetone
Concen: 37.511 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

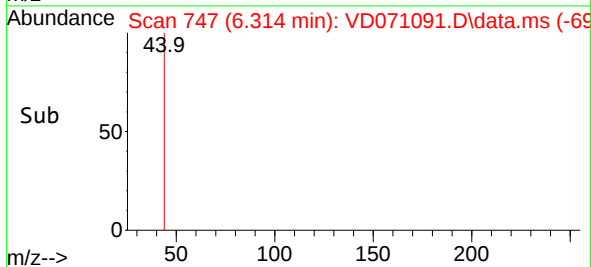
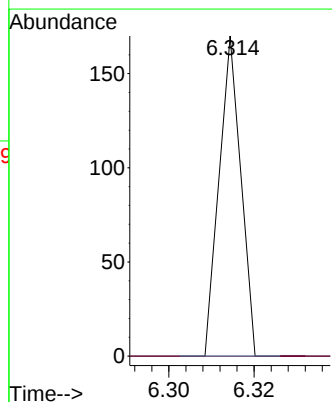
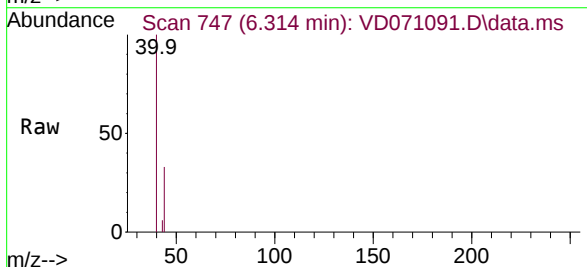
Instrument :
MSVOA_D
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BP-VPB-RW9-DUP-20211124

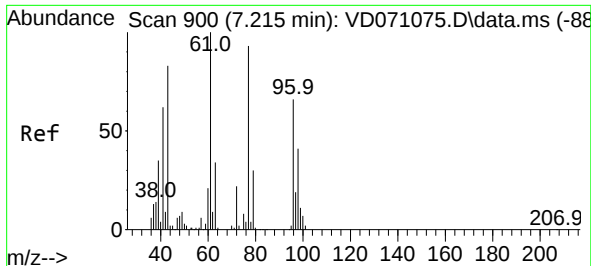
Tgt Ion: 43 Resp: 7563
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.227 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

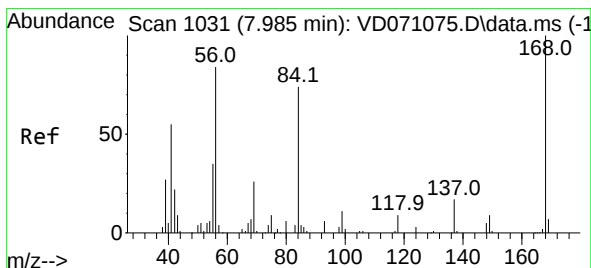
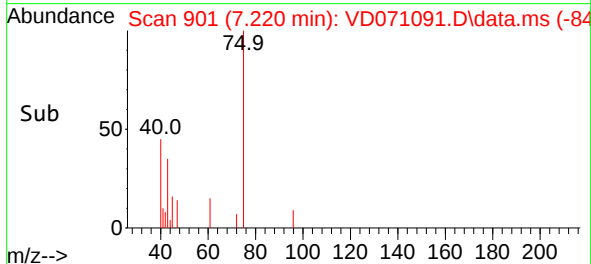
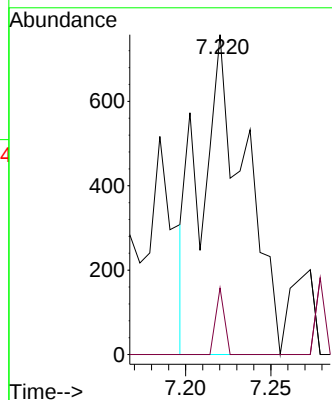
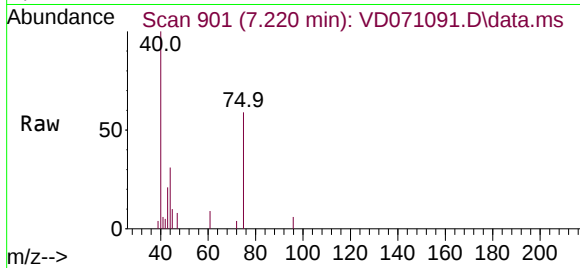




#25
2-Butanone
Concen: 29.435 ug/l
RT: 7.220 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

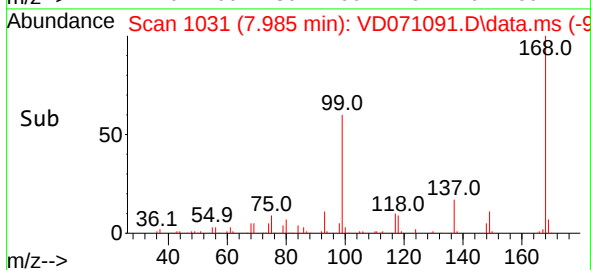
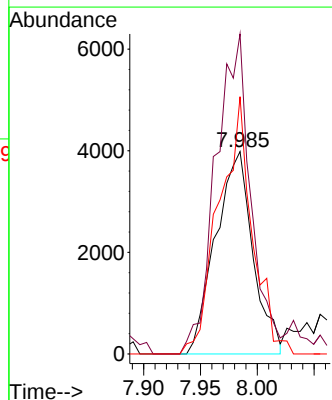
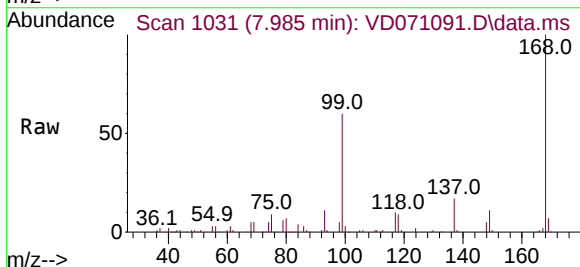
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

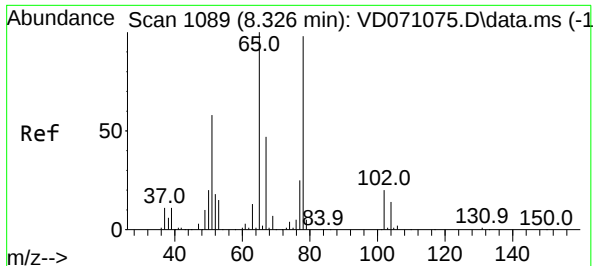
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
72 20.8 23.8 35.6#



#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 56 Resp: 9079
Ion Ratio Lower Upper
56 100
69 158.1 25.9 38.9#
84 127.1 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.374 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071091.D

Acq: 30 Nov 2021 19:00

Instrument :

MSVOA_D

ClientSampleId :

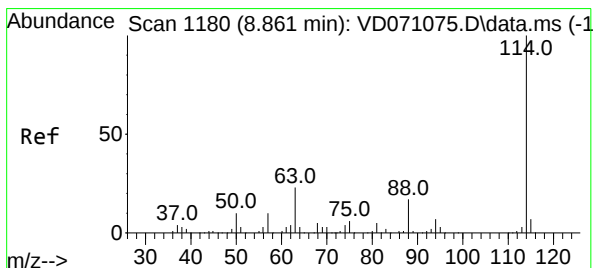
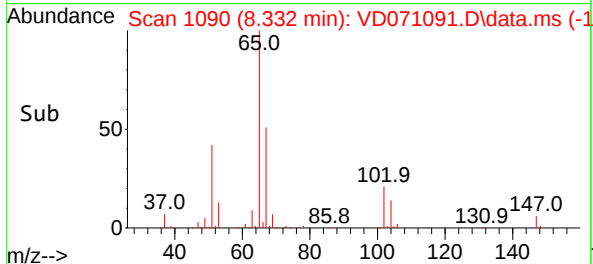
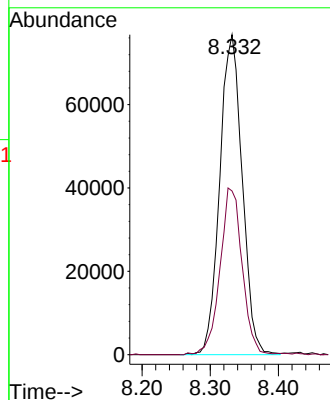
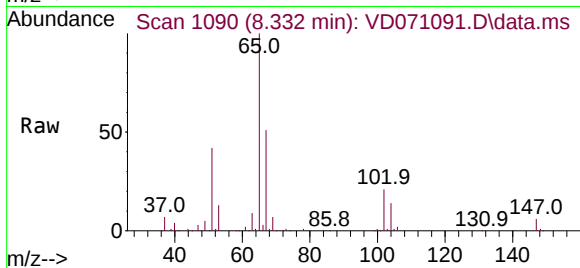
BP-VPB-RW9-DUP-20211124

Tgt Ion: 65 Resp: 176202

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: VD071091.D

Acq: 30 Nov 2021 19:00

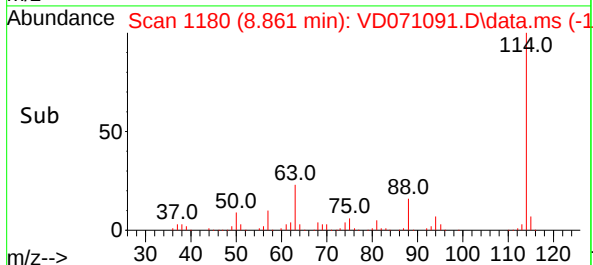
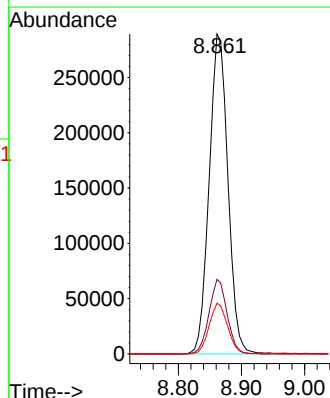
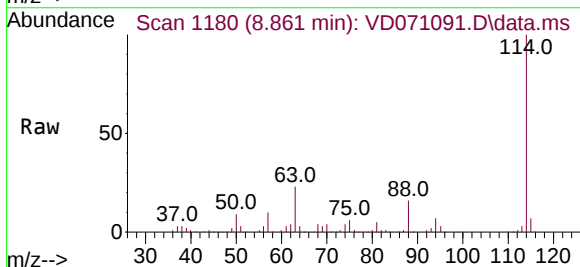
Tgt Ion: 114 Resp: 596353

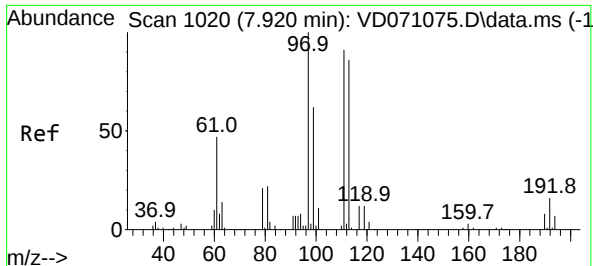
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.672 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071091.D

Acq: 30 Nov 2021 19:00

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW9-DUP-20211124

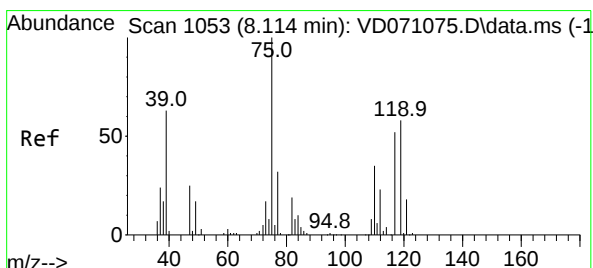
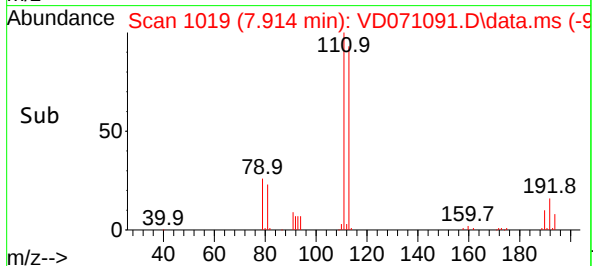
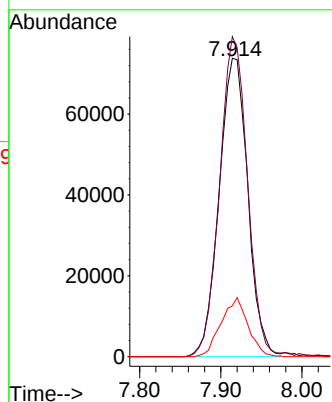
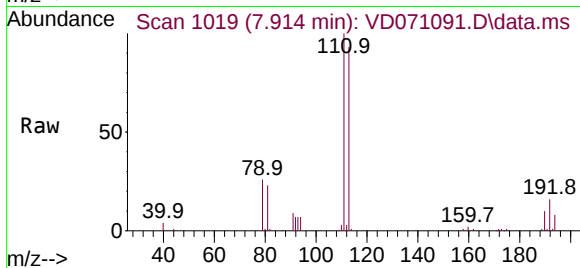
Tgt Ion:113 Resp: 181036

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071091.D

Acq: 30 Nov 2021 19:00

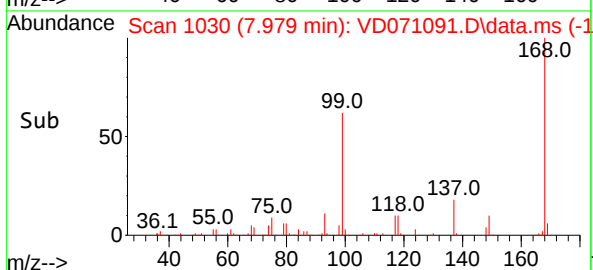
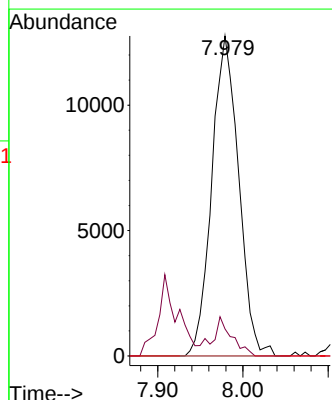
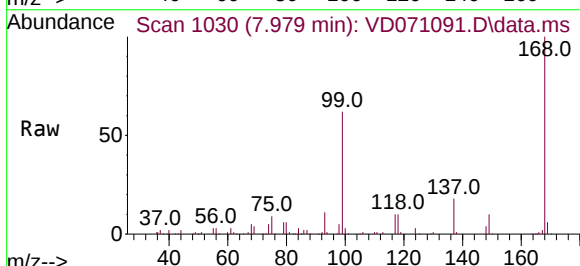
Tgt Ion: 75 Resp: 28001

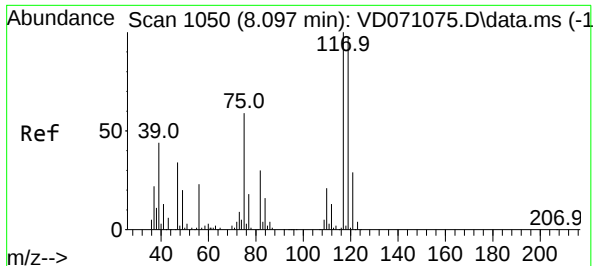
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.4#

77 0.0 24.8 37.2#

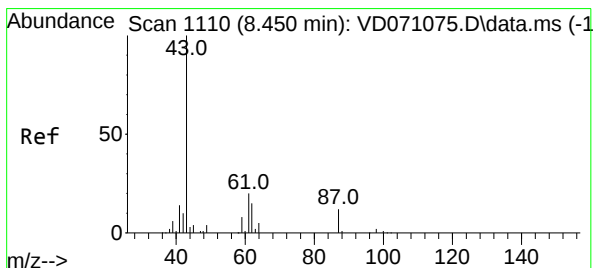
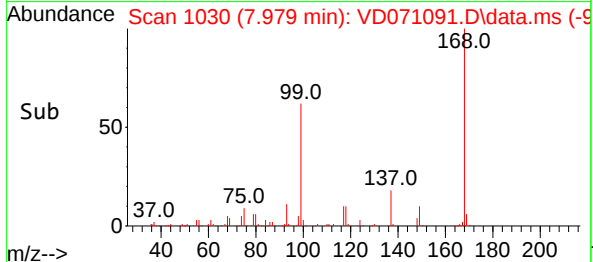
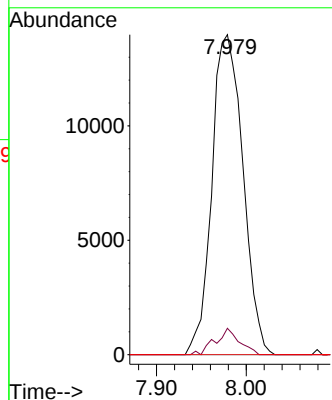
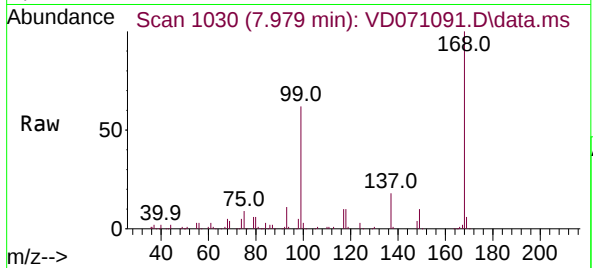




#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 7.979 min Scan# 1108
Delta R.T. -0.118 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

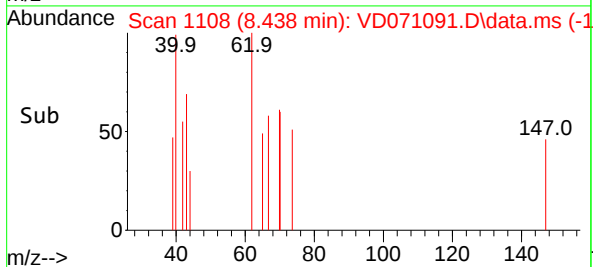
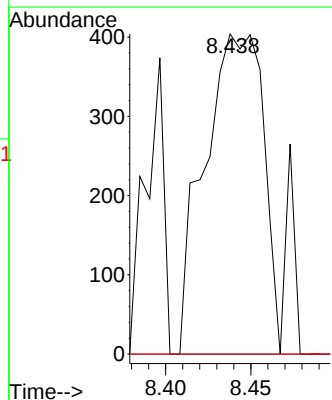
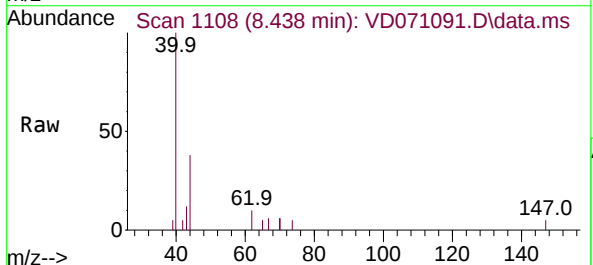
Instrument : MSVOA_D
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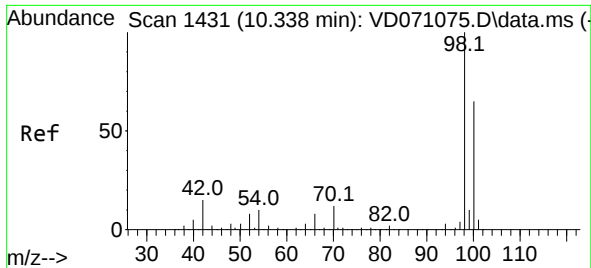
Tgt Ion:117 Resp: 33649
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.388 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

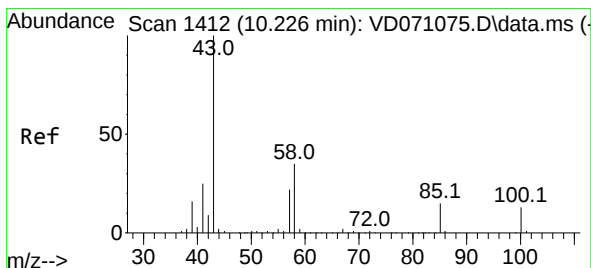
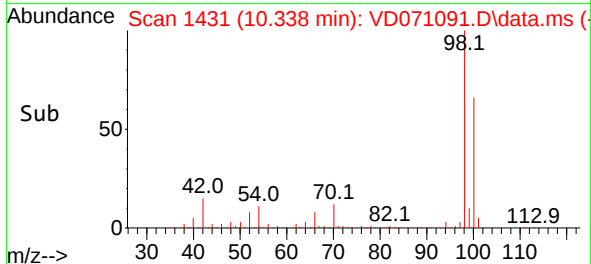
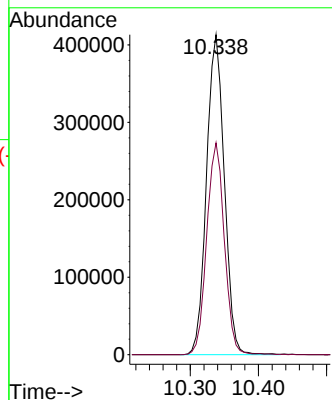
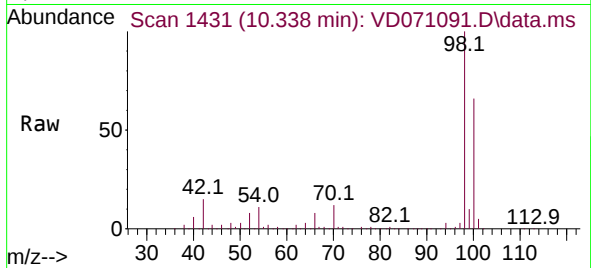




#50
Toluene-d8
Concen: 51.986 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

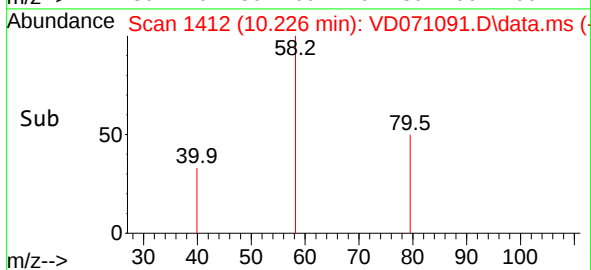
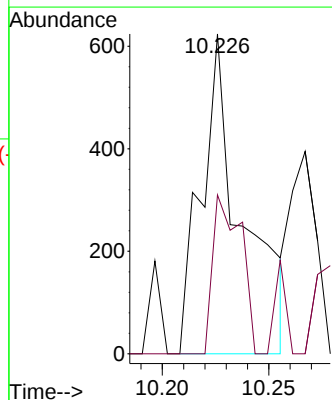
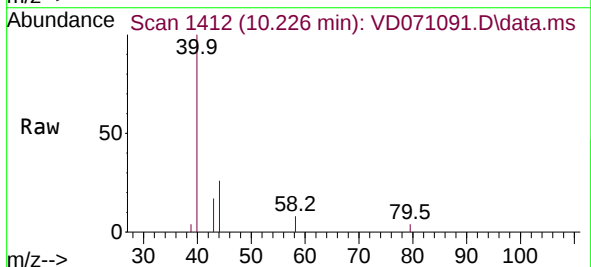
Instrument :
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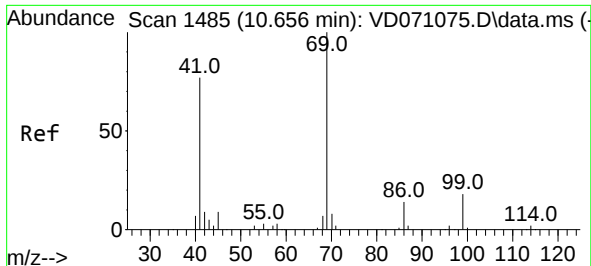
Tgt Ion: 98 Resp: 751268
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.921 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 34.3 33.1 49.7

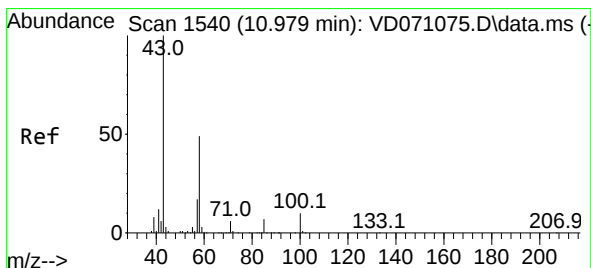
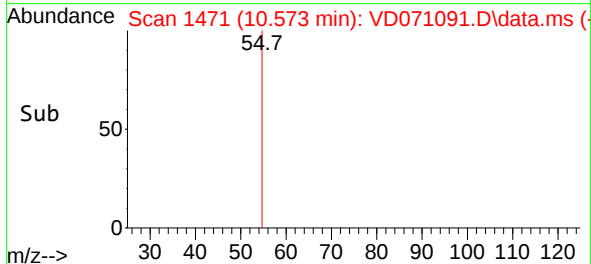
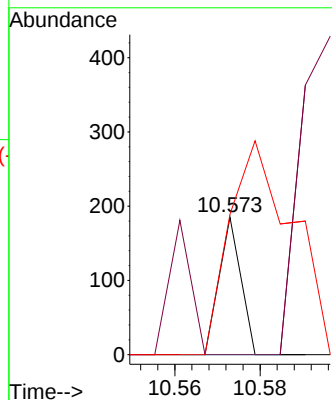
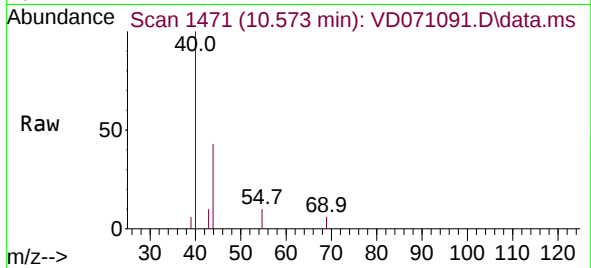




#56
Ethyl methacrylate
Concen: 5.985 ug/l
RT: 10.573 min Scan# 1485
Delta R.T. -0.083 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

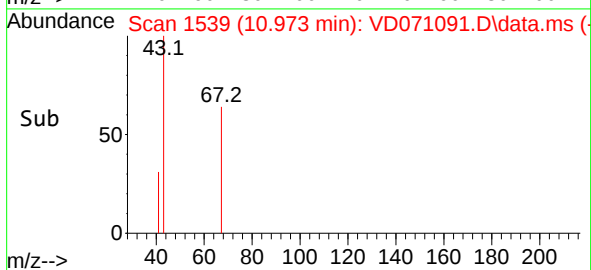
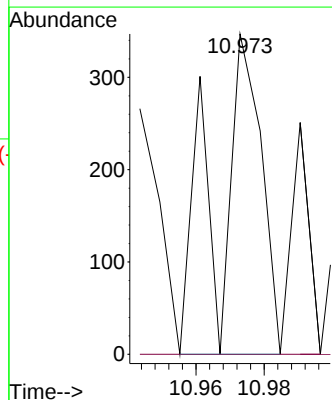
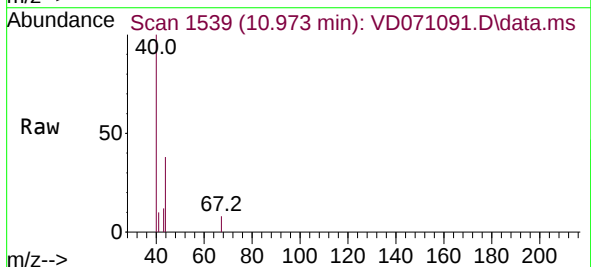
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

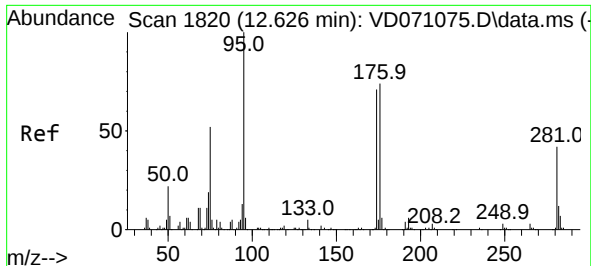
Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 98.5 50.2 75.2#
39 452.3 19.8 29.8#



#59
2-Hexanone
Concen: 34.706 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

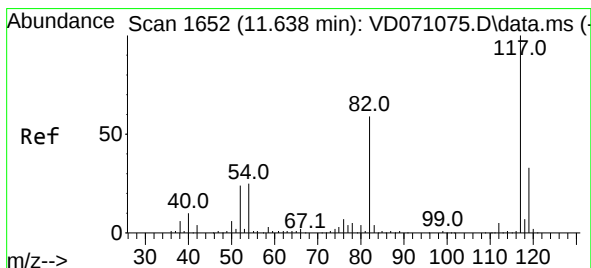
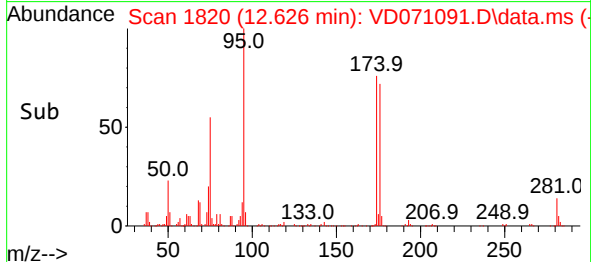
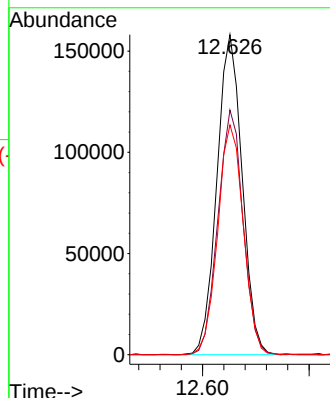
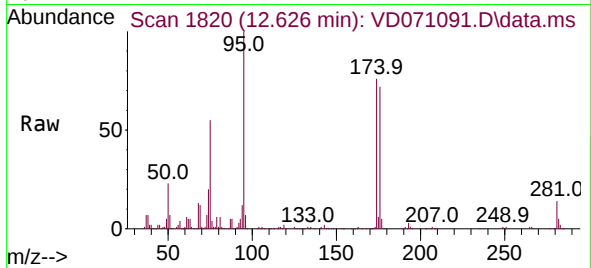




#62
4-Bromofluorobenzene
Concen: 51.896 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

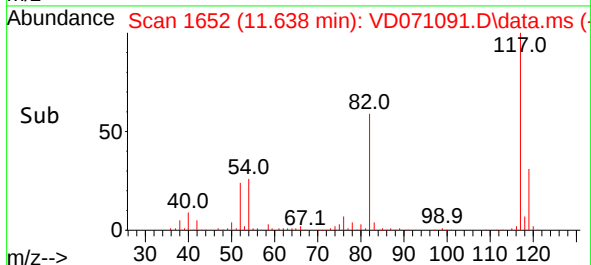
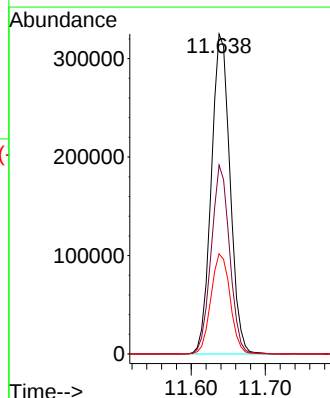
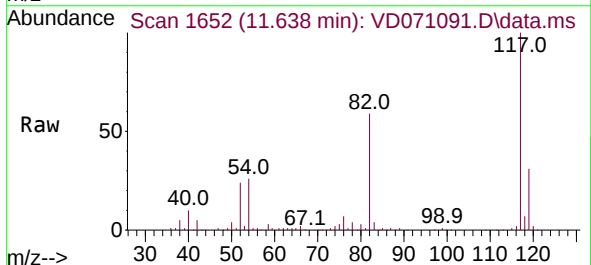
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

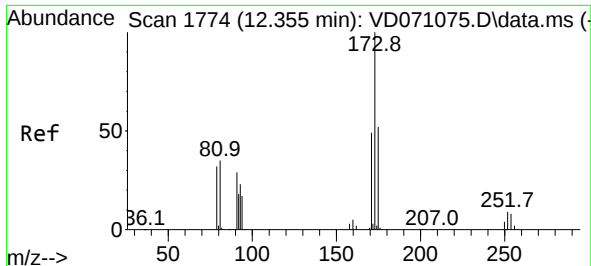
Tgt Ion: 95 Resp: 259970
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 72.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion: 117 Resp: 570290
Ion Ratio Lower Upper
117 100
82 59.0 44.7 67.1
119 31.3 26.2 39.4

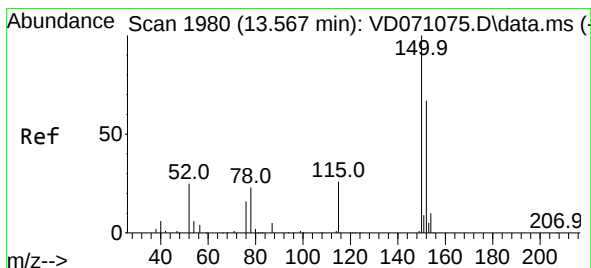
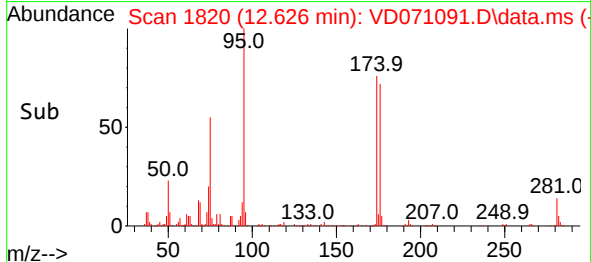
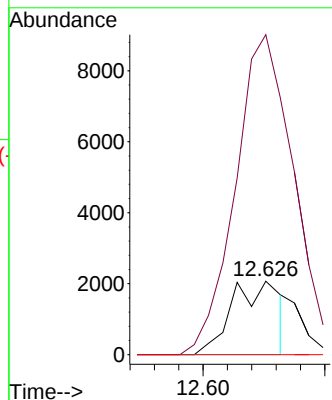
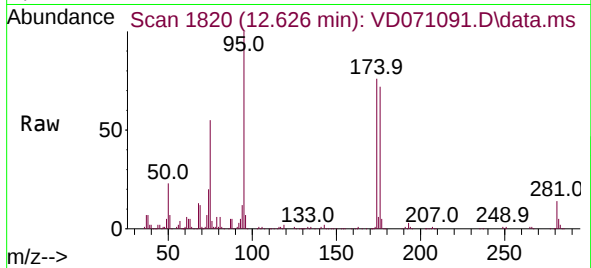




#71
Bromoform
Concen: 1.428 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

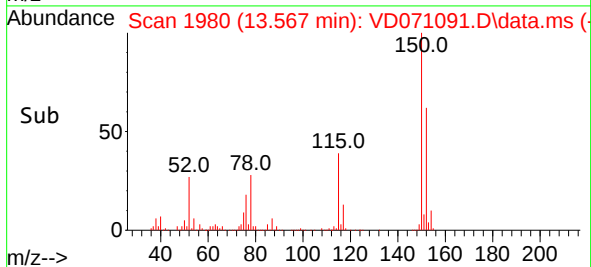
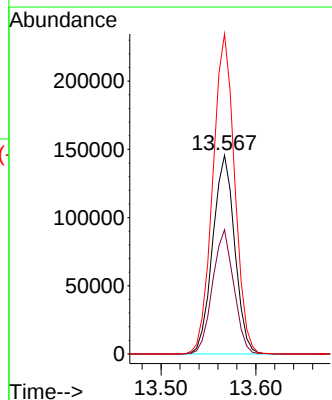
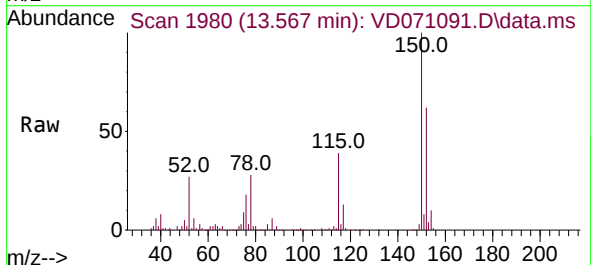
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

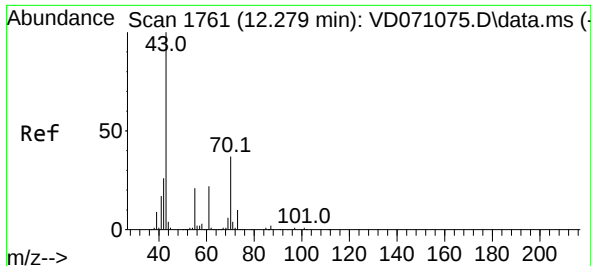
Tgt Ion:173 Resp: 2859
Ion Ratio Lower Upper
173 100
175 414.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

Tgt Ion:152 Resp: 234966
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 160.1 0.0 349.2

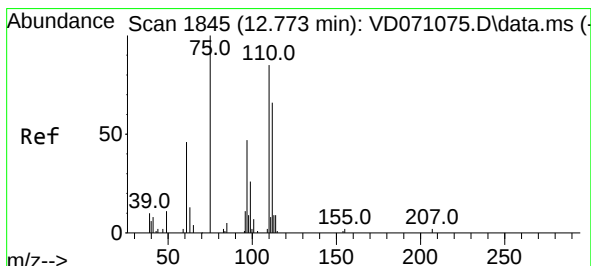
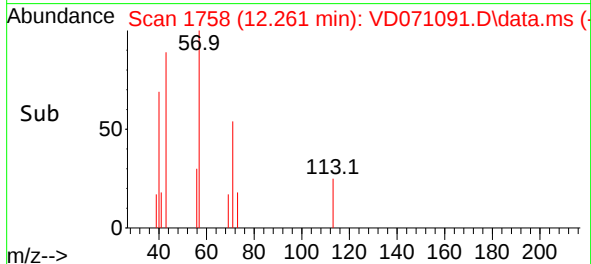
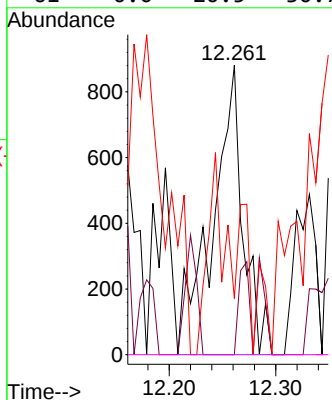
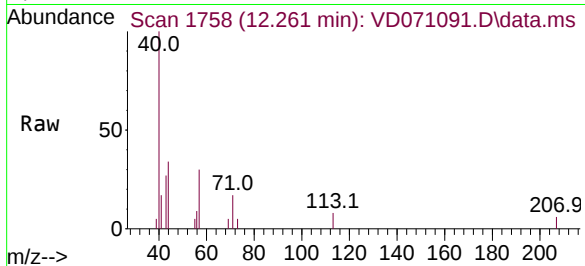




#74
N-amy1 acetate
Concen: 6.035 ug/l
RT: 12.261 min Scan# 1754
Delta R.T. -0.018 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

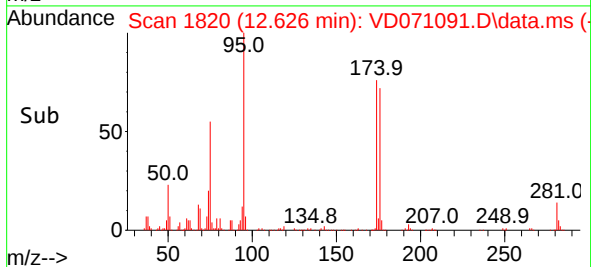
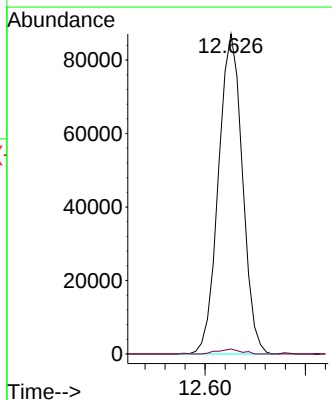
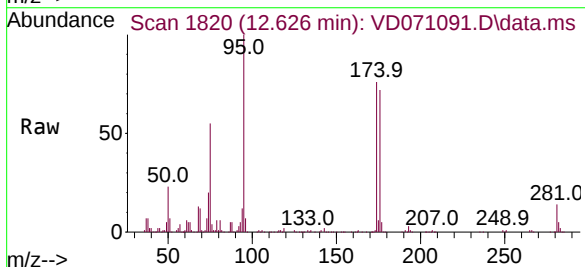
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-DUP-20211124

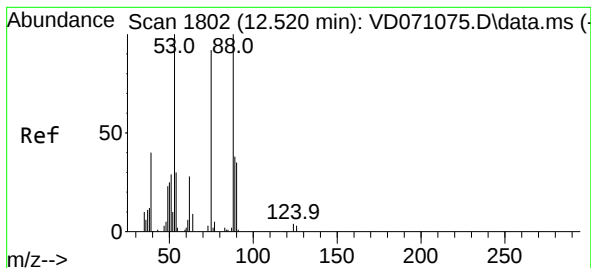
Tgt Ion: 43	Resp: 1754
Ion Ratio	Lower Upper
43 100	
70 10.8	36.6 55.0#
55 11.7	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 64.558 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071091.D
Acq: 30 Nov 2021 19:00

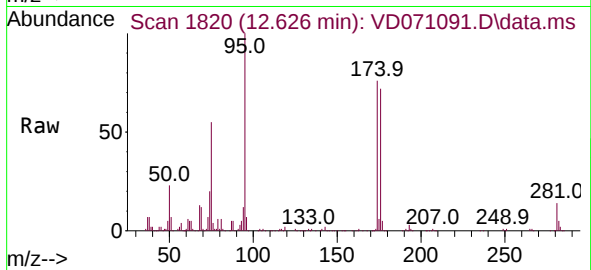
Tgt Ion: 75	Resp:	144522	
Ion Ratio	Lower	Upper	
75 100			
77 1.5	158.4	475.3#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.333 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071091.D
 Acq: 30 Nov 2021 19:00

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-DUP-20211124



Tgt Ion: 75 Resp: 144522
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.3 34.5 51.7#

