

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120321\
 Data File : VD071134.D
 Acq On : 03 Dec 2021 14:31
 Operator : VA/SY
 Sample : M4931-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-GW-968-970

Quant Time: Dec 04 03:50:33 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)

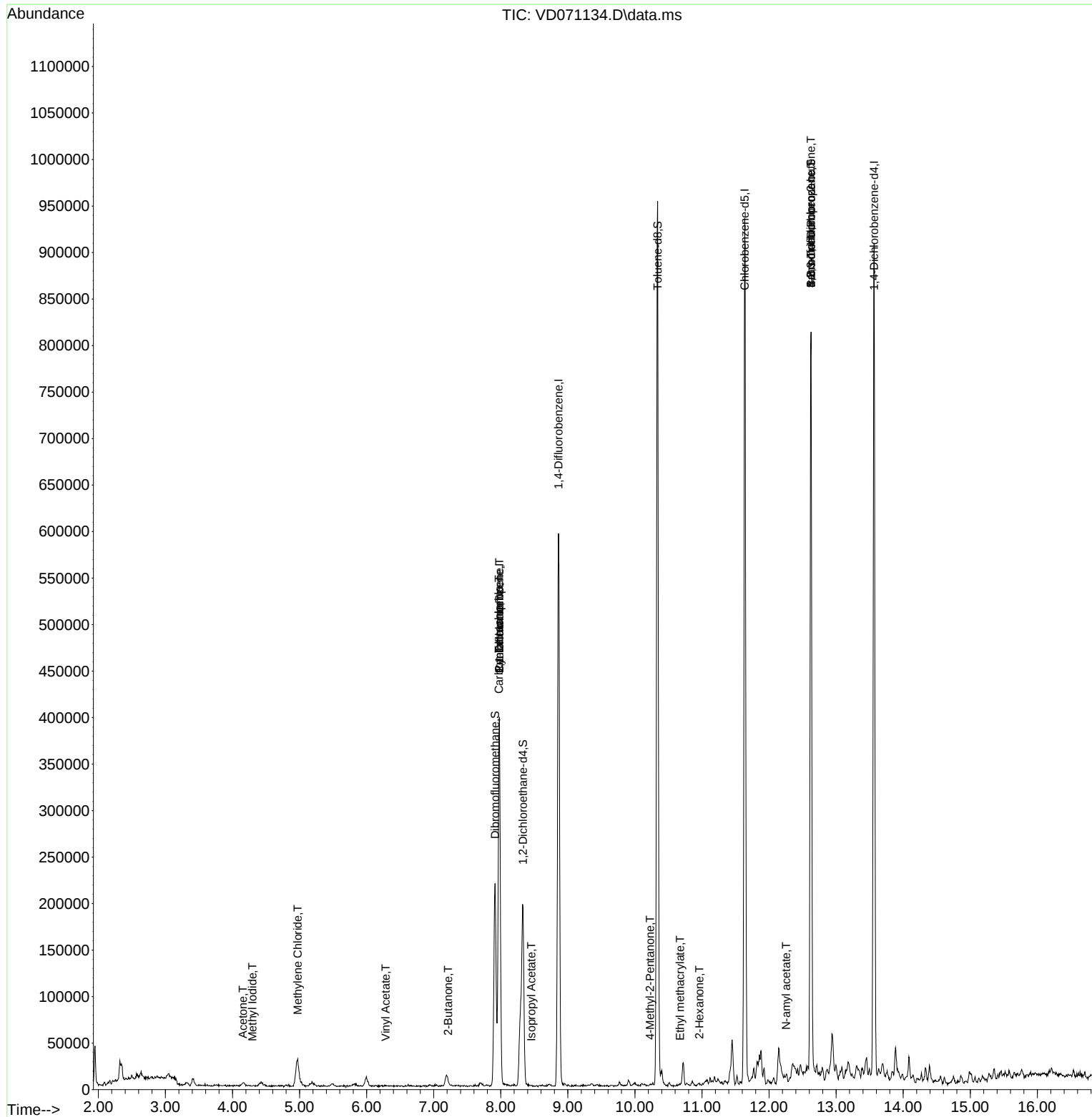
Internal Standards						
1) Pentafluorobenzene	7.979	168	273060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	487282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	497401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	225959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	146685	45.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.560%
35) Dibromofluoromethane	7.914	113	151019	48.669	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.340%
50) Toluene-d8	10.338	98	616186	52.182	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.360%
62) 4-Bromofluorobenzene	12.626	95	236660	57.818	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.640%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	142	4.601	ug/l #	40
11) Tert butyl alcohol	5.173	59	1798	Below Cal	#	71
16) Acetone	4.156	43	7148	38.163	ug/l	97
20) Methylene Chloride	4.973	84	19665	2.080	ug/l	89
23) Vinyl Acetate	6.285	43	158	27.245	ug/l #	72
25) 2-Butanone	7.214	43	3187	31.234	ug/l #	74
31) Cyclohexane	7.979	56	8112	1.488	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	24751	5.435	ug/l #	48
38) Carbon Tetrachloride	7.973	117	28853	6.427	ug/l #	15
41) Methacrylonitrile	7.550	41	56	Below Cal	#	1
43) Isopropyl Acetate	8.455	43	531	5.333	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1234	31.140	ug/l #	64
56) Ethyl methacrylate	10.673	69	215	6.030	ug/l #	21
59) 2-Hexanone	10.961	43	620	34.894	ug/l #	22
71) Bromoform	12.626	173	2515	1.441	ug/l #	1
74) N-amyl acetate	12.255	43	2028	6.102	ug/l #	58
76) 1,2,3-Trichloropropane	12.626	75	131828	61.234	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	131828	132.458	ug/l #	19

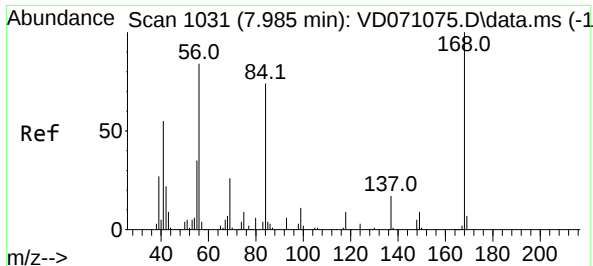
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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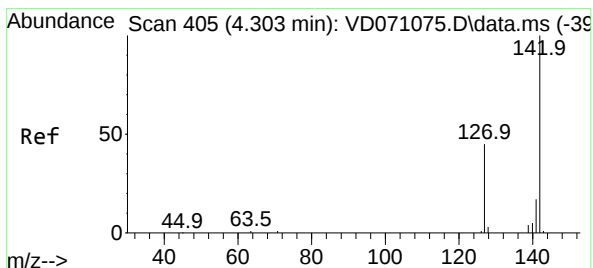
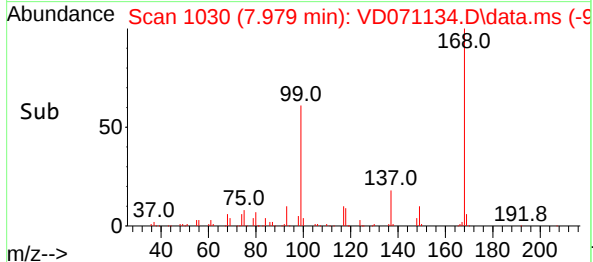
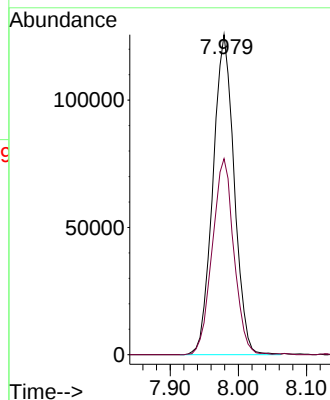
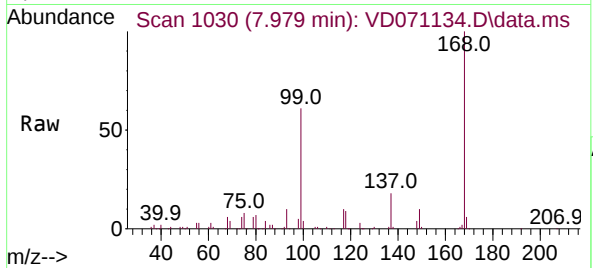




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

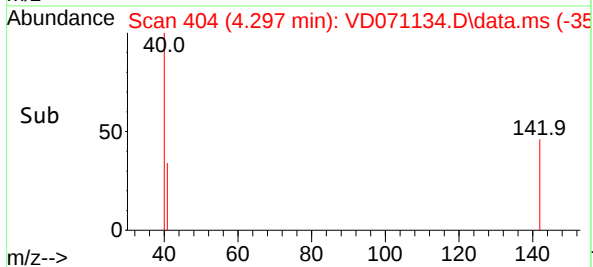
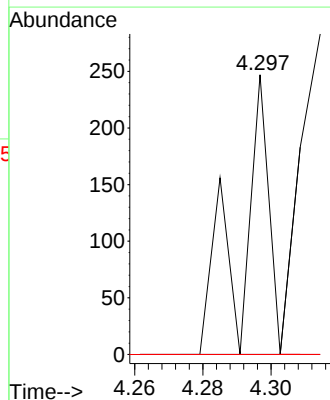
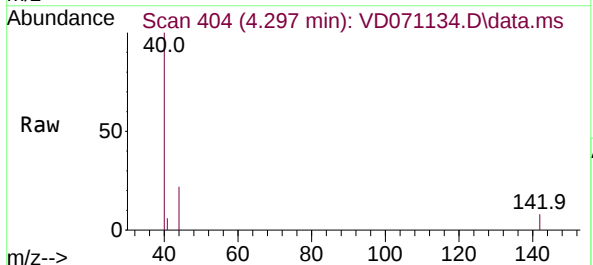
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

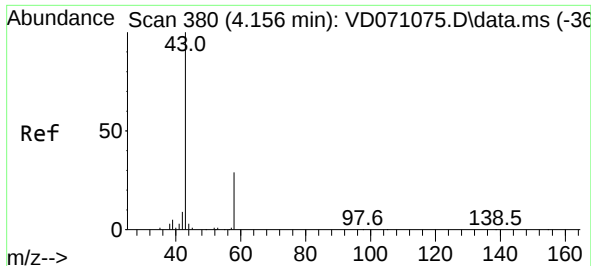
Tgt Ion:168 Resp: 273060
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

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

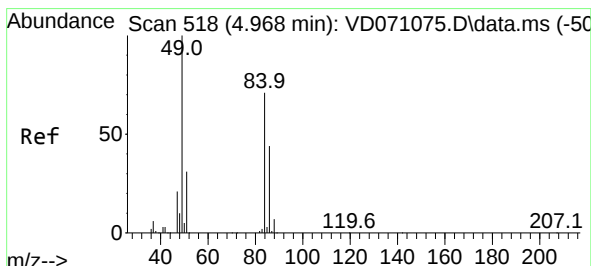
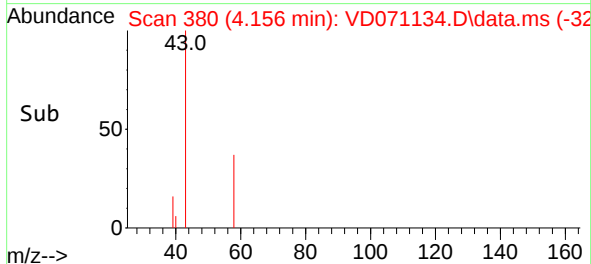
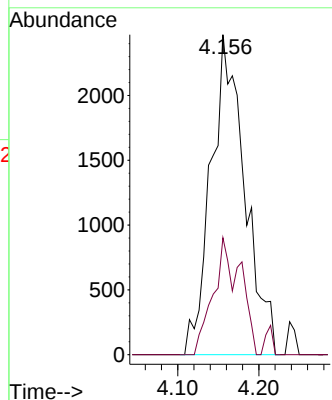
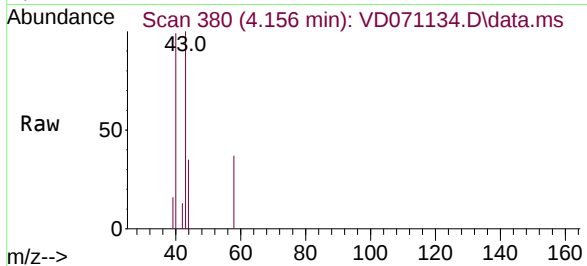




#16
Acetone
Concen: 38.163 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

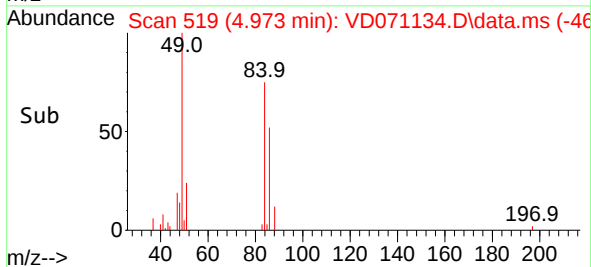
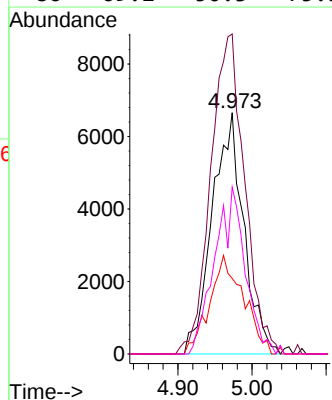
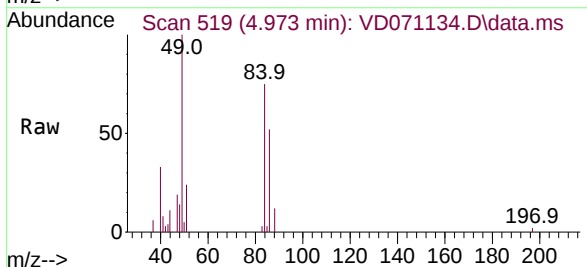
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

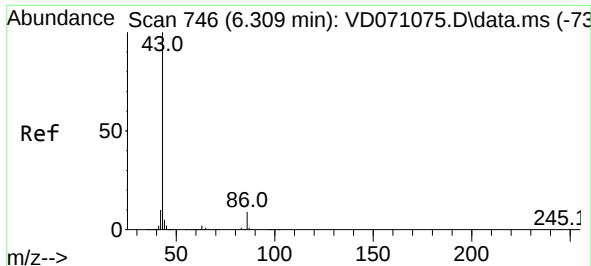
Tgt Ion: 43 Resp: 7148
Ion Ratio Lower Upper
43 100
58 36.5 27.8 41.8



#20
Methylene Chloride
Concen: 2.080 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion: 84 Resp: 19665
Ion Ratio Lower Upper
84 100
49 132.6 95.8 143.6
51 31.3 30.9 46.3
86 69.2 50.3 75.5

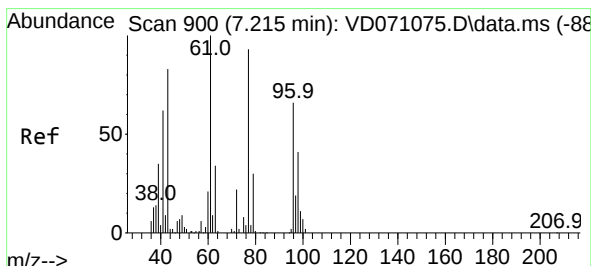
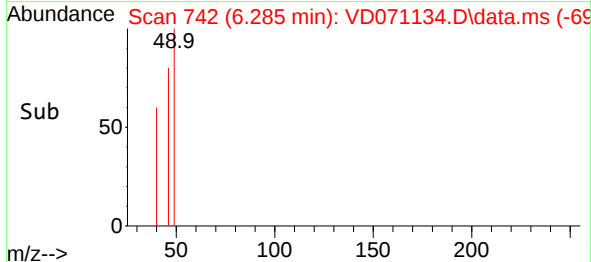
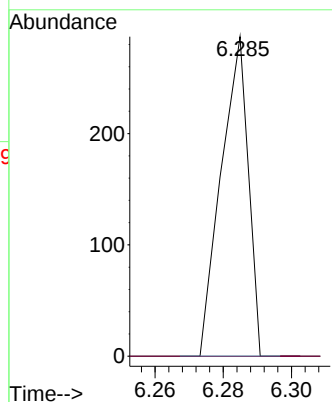
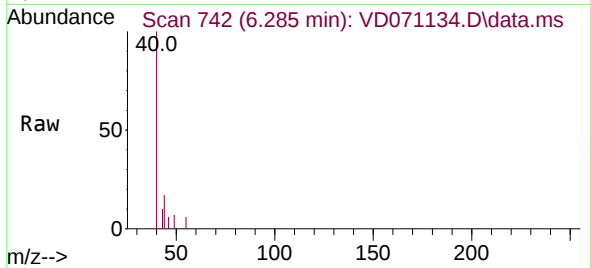




#23
 Vinyl Acetate
 Concen: 27.245 ug/l
 RT: 6.285 min Scan# 746
 Delta R.T. -0.024 min
 Lab File: VD071134.D
 Acq: 03 Dec 2021 14:31

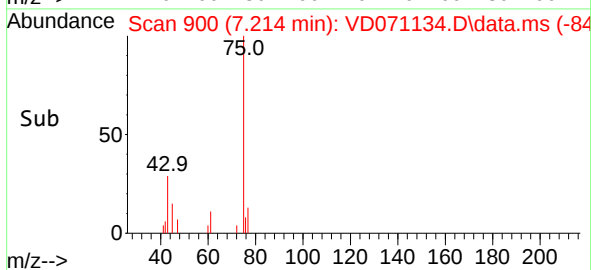
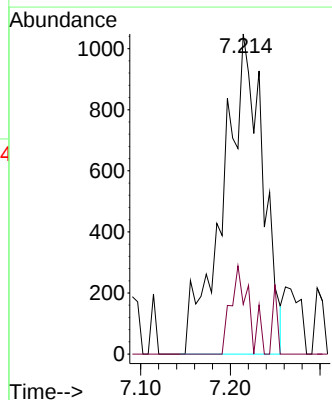
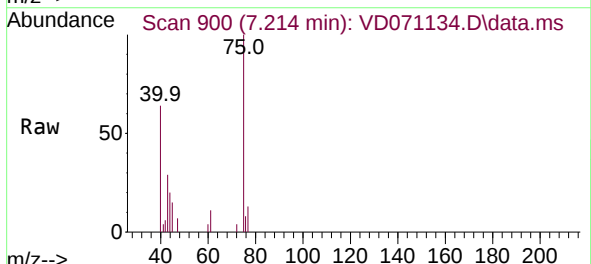
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-GW-968-970

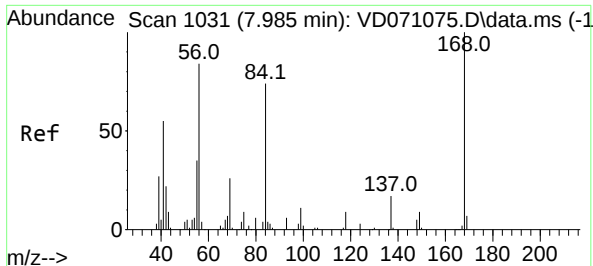
Tgt Ion: 43 Resp: 158
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 31.234 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071134.D
 Acq: 03 Dec 2021 14:31

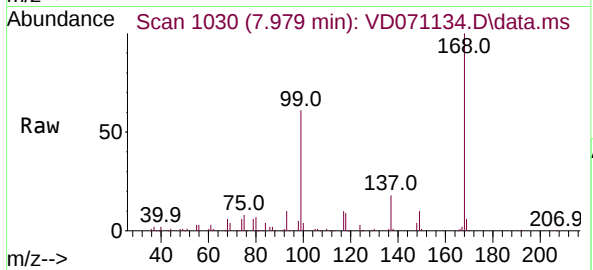
Tgt Ion: 43 Resp: 3187
 Ion Ratio Lower Upper
 43 100
 72 15.6 23.8 35.6#



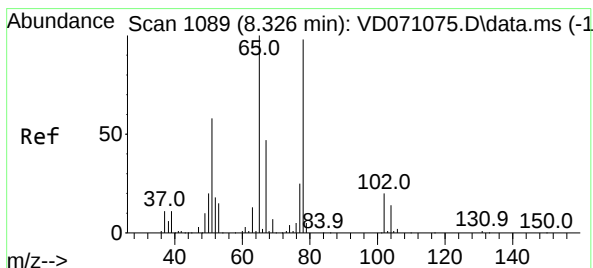
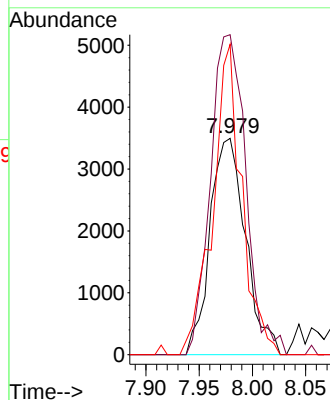
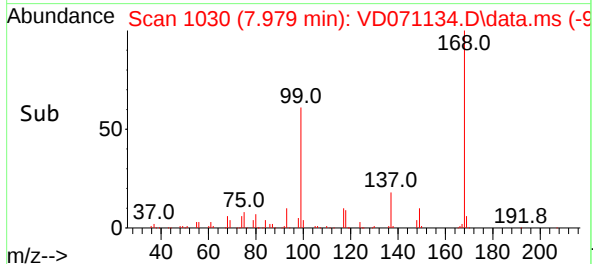


#31
Cyclohexane
Concen: 1.488 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

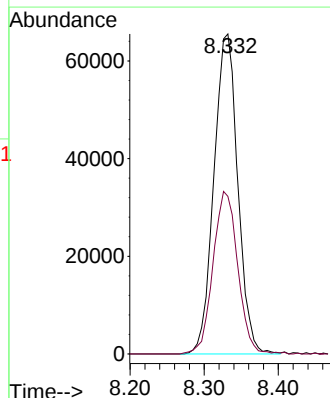
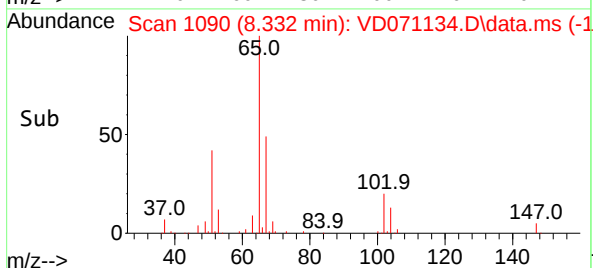
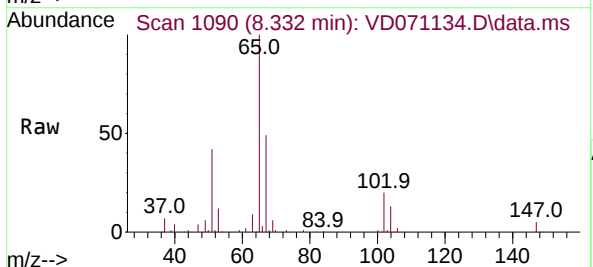


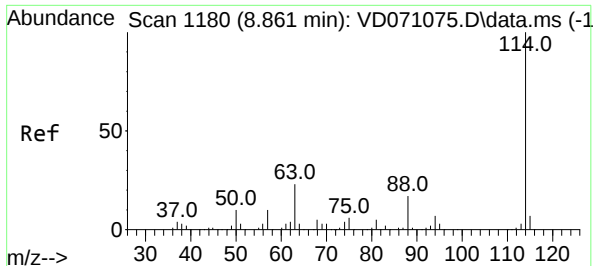
Tgt Ion: 56 Resp: 8112
Ion Ratio Lower Upper
56 100
69 147.9 25.9 38.9#
84 143.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 45.781 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion: 65 Resp: 146685
Ion Ratio Lower Upper
65 100
67 52.7 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: VD071134.D

Acq: 03 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW9-GW-968-970

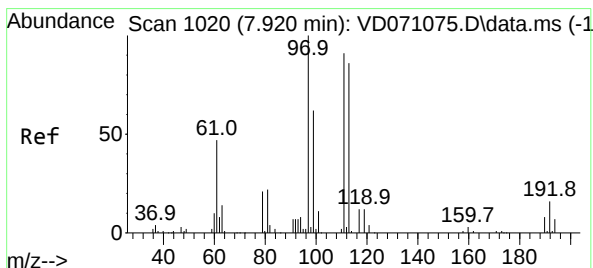
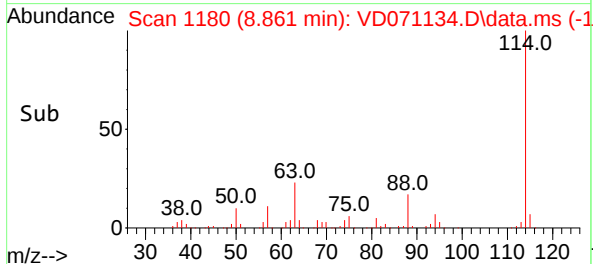
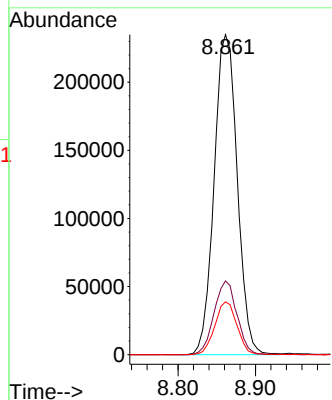
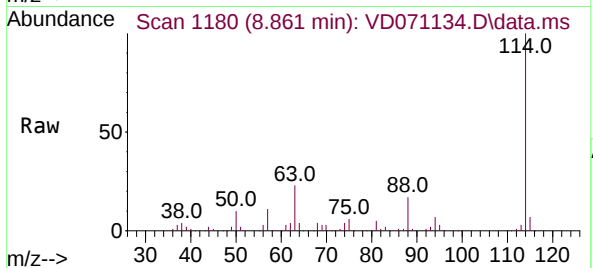
Tgt Ion:114 Resp: 487282

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.669 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071134.D

Acq: 03 Dec 2021 14:31

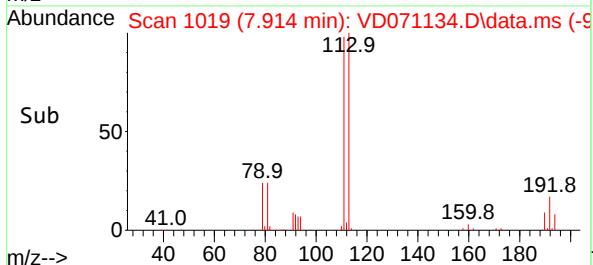
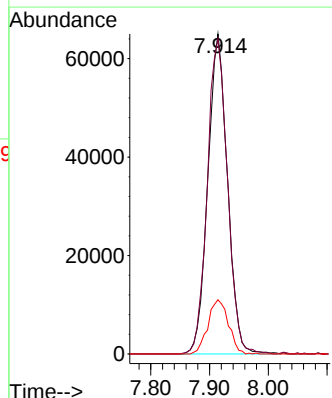
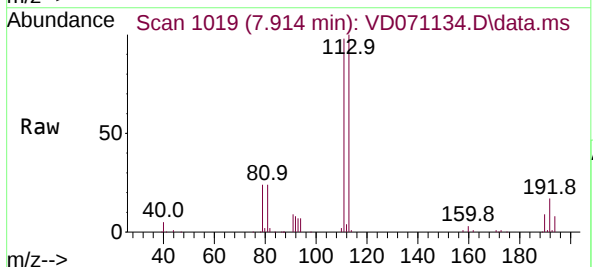
Tgt Ion:113 Resp: 151019

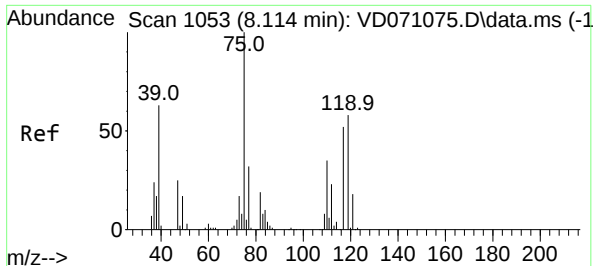
Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 17.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.435 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071134.D

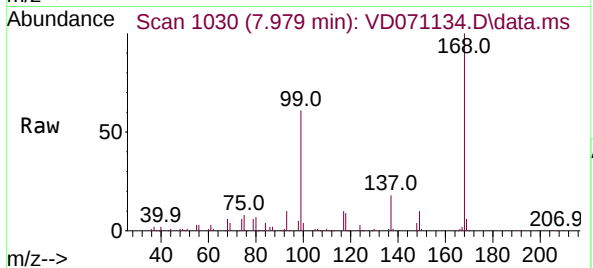
Acq: 03 Dec 2021 14:31

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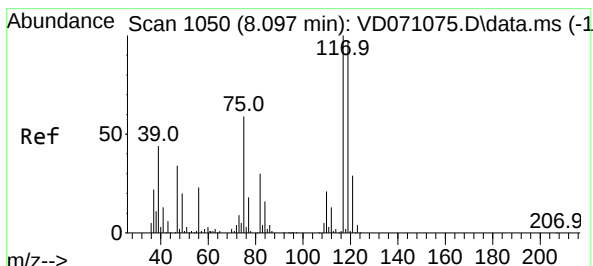
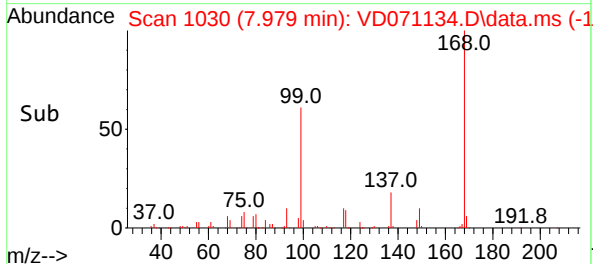
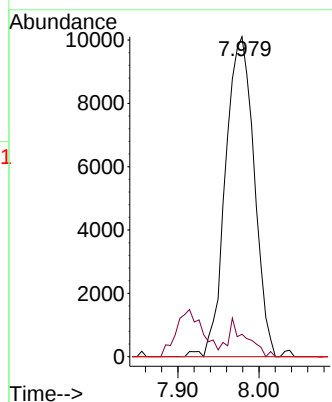
MSVOA_D

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Tgt Ion:	75	Resp:	24751
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.427 ug/l

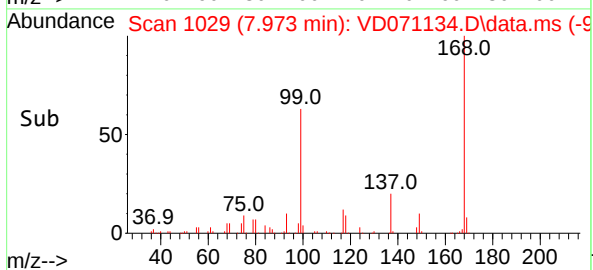
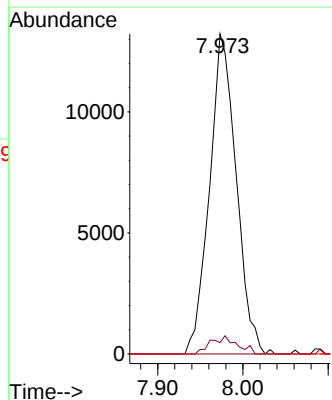
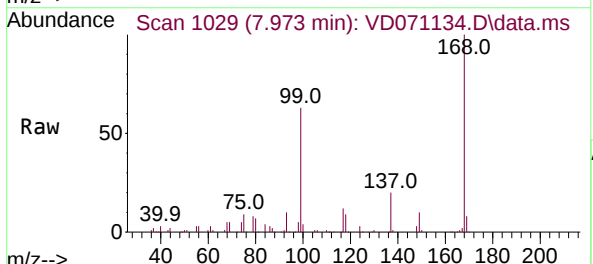
RT: 7.973 min Scan# 1029

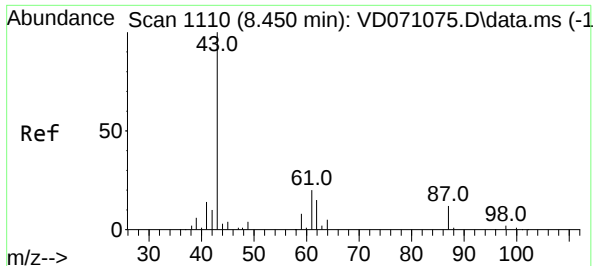
Delta R.T. -0.124 min

Lab File: VD071134.D

Acq: 03 Dec 2021 14:31

Tgt Ion:	117	Resp:	28853
Ion Ratio	Lower	Upper	
117	100		
119	3.5	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.333 ug/l

RT: 8.455 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VD071134.D

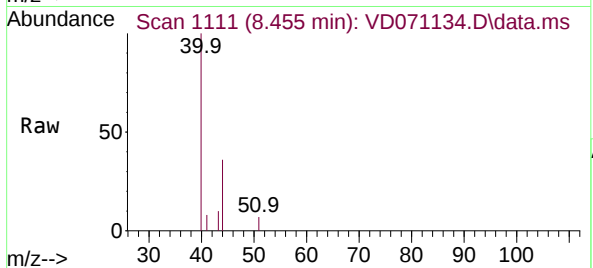
Acq: 03 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW9-GW-968-970



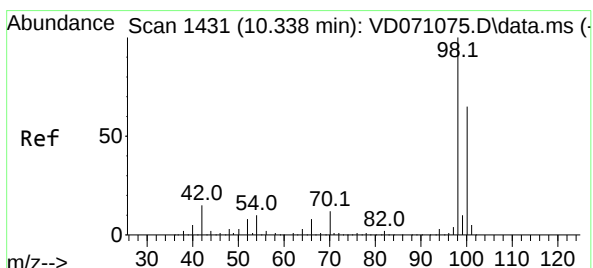
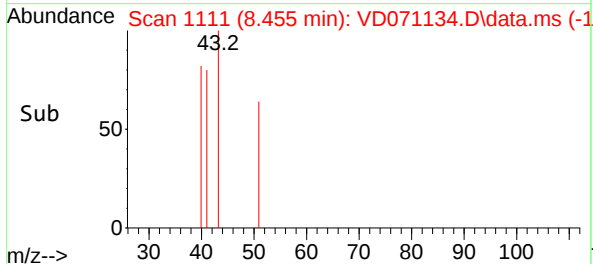
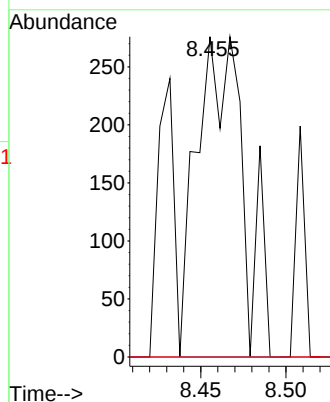
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.182 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071134.D

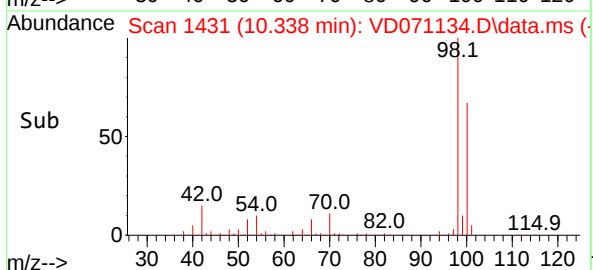
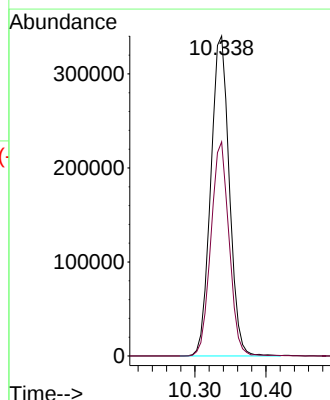
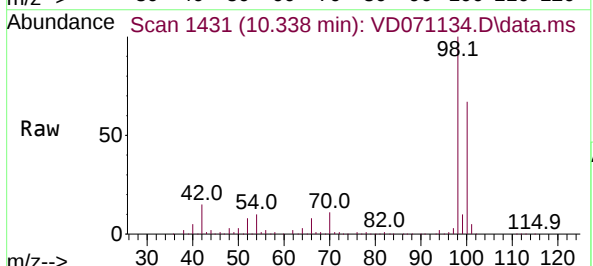
Acq: 03 Dec 2021 14:31

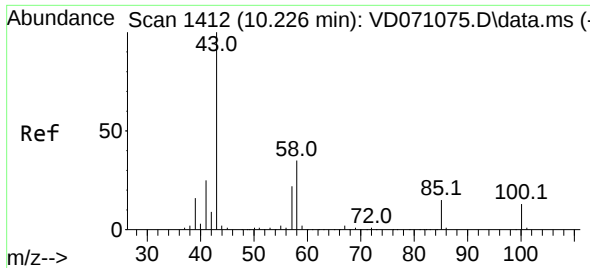
Tgt Ion: 98 Resp: 616186

Ion Ratio Lower Upper

98 100

100 65.6 51.8 77.6

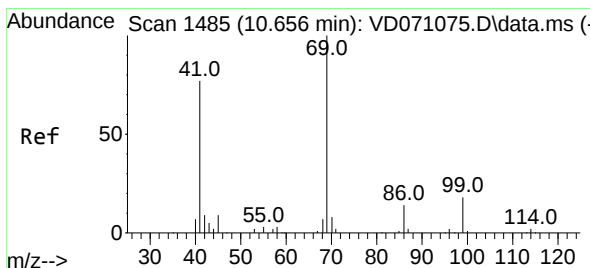
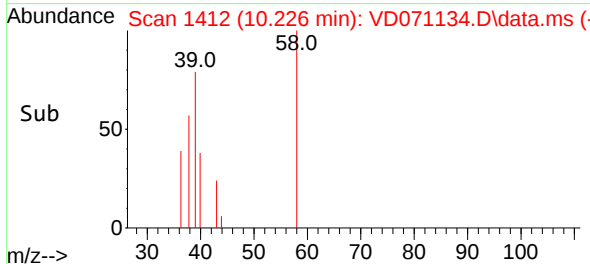
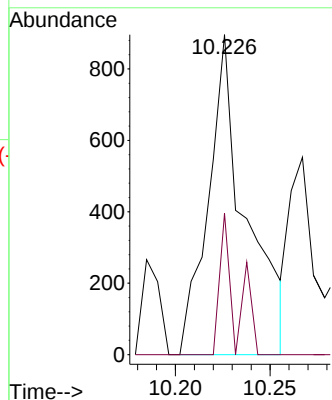
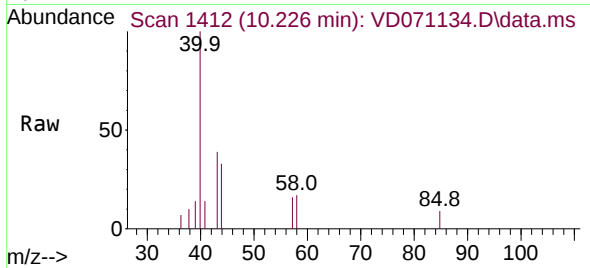




#51
4-Methyl-2-Pentanone
Concen: 31.140 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

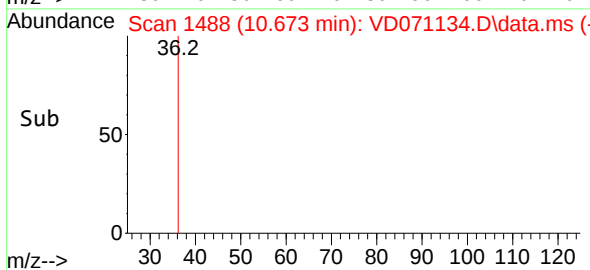
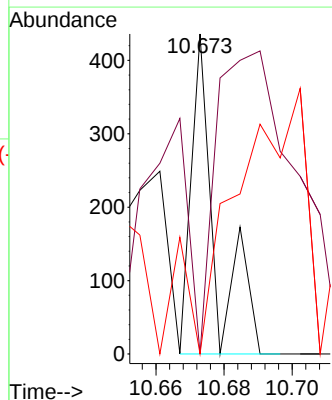
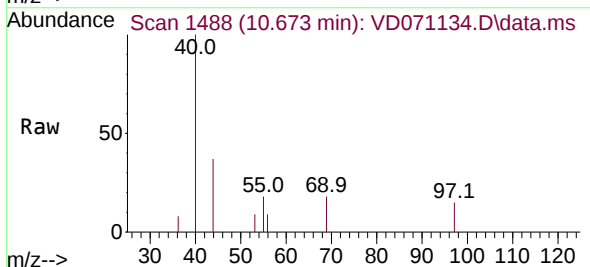
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

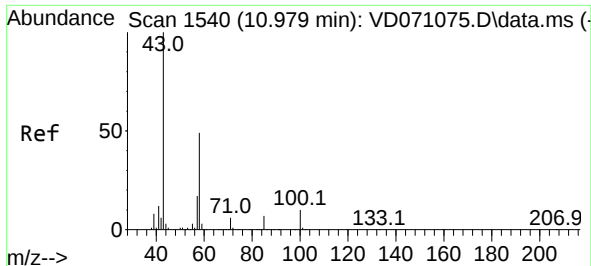
Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
58 18.7 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.030 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion: 69 Resp: 215
Ion Ratio Lower Upper
69 100
41 132.6 50.2 75.2#
39 0.0 19.8 29.8#





#59

2-Hexanone

Concen: 34.894 ug/l

RT: 10.961 min Scan# 1537

Delta R.T. -0.018 min

Lab File: VD071134.D

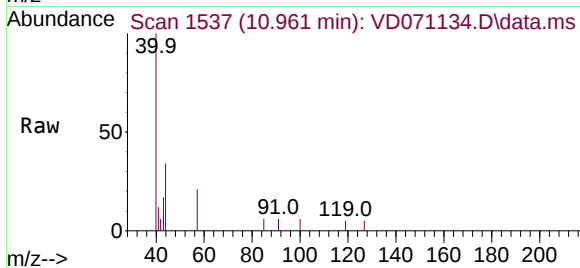
Acq: 03 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW9-GW-968-970

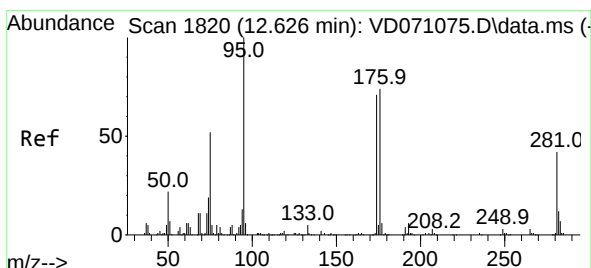
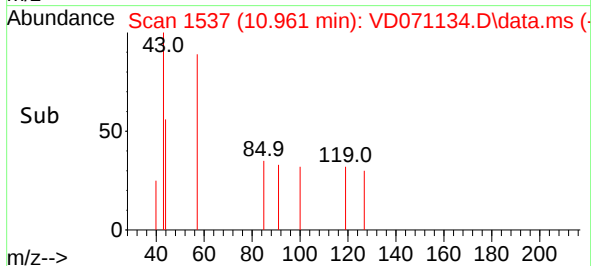
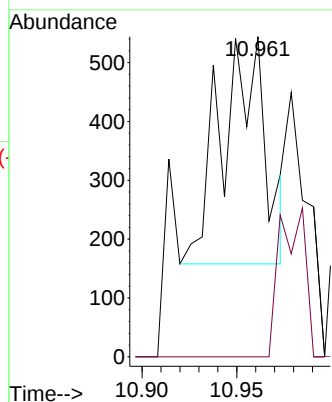


Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.1#



#62

4-Bromofluorobenzene

Concen: 57.818 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071134.D

Acq: 03 Dec 2021 14:31

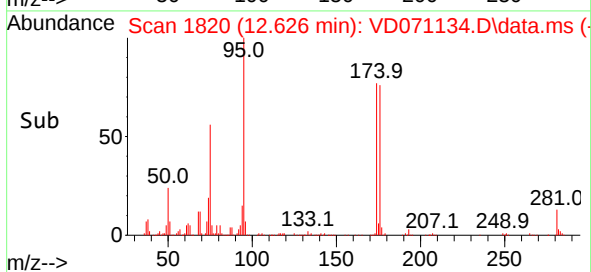
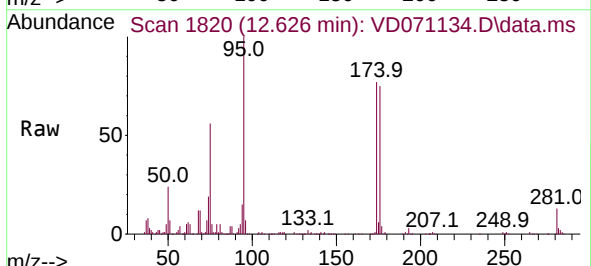
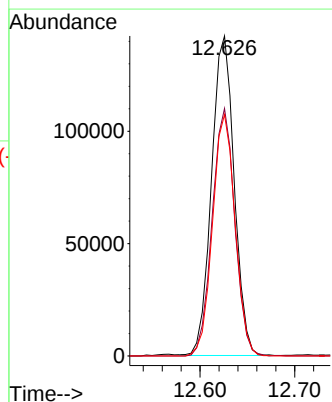
Tgt Ion: 95 Resp: 236660

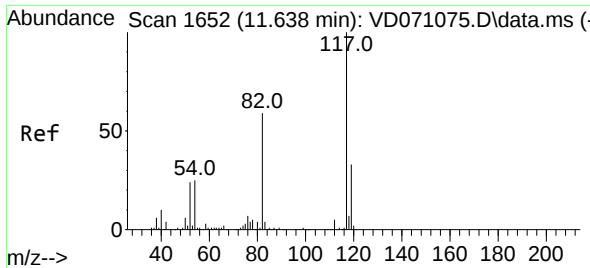
Ion Ratio Lower Upper

95 100

174 77.1 0.0 159.4

176 75.1 0.0 154.0

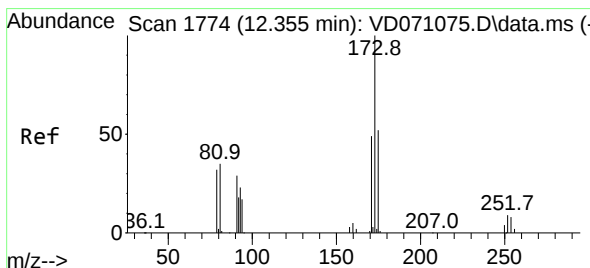
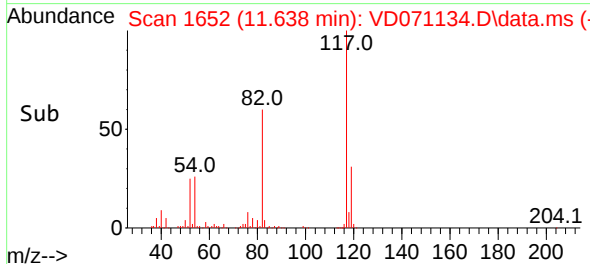
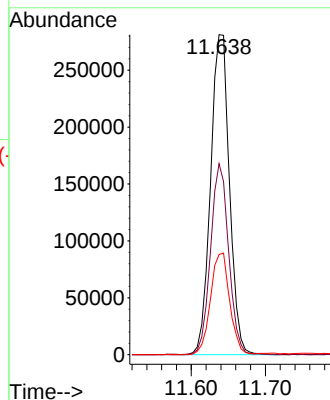
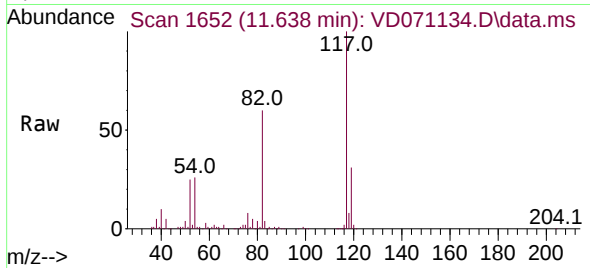




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

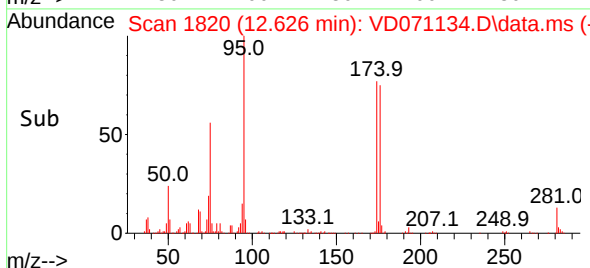
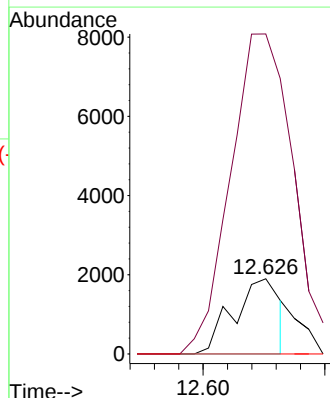
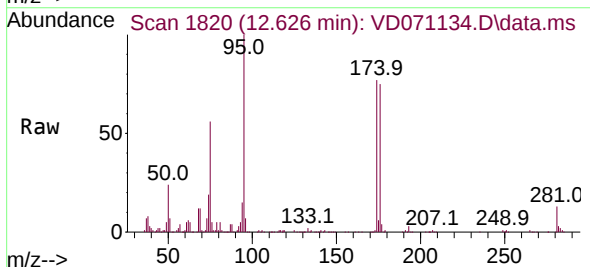
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

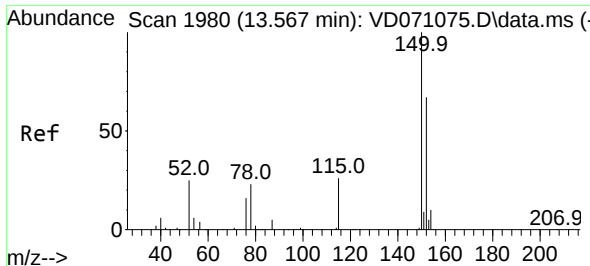
Tgt Ion:117 Resp: 497401
Ion Ratio Lower Upper
117 100
82 59.6 44.7 67.1
119 31.3 26.2 39.4



#71
Bromoform
Concen: 1.441 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion:173 Resp: 2515
Ion Ratio Lower Upper
173 100
175 470.3 24.1 72.2#
254 0.0 0.1 0.1#

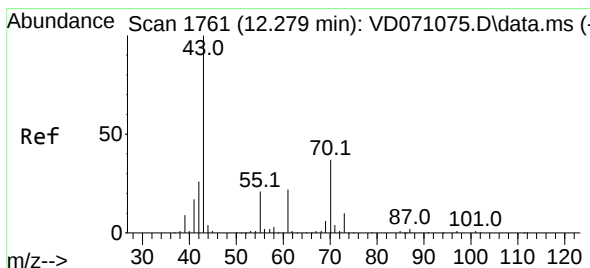
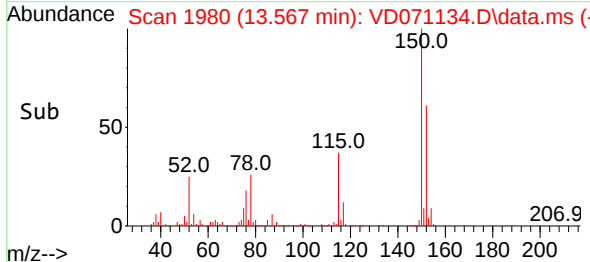
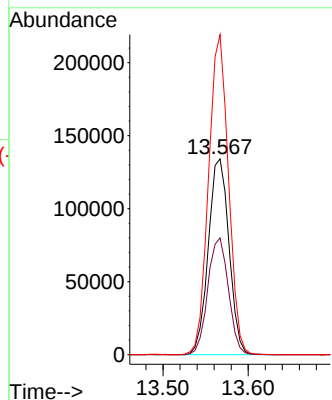
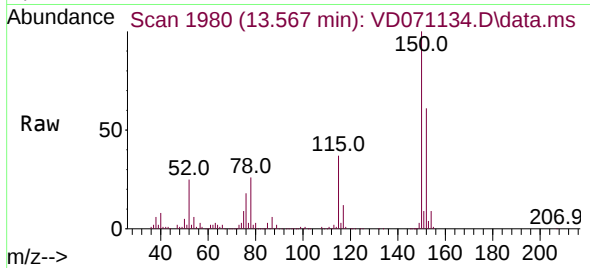




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

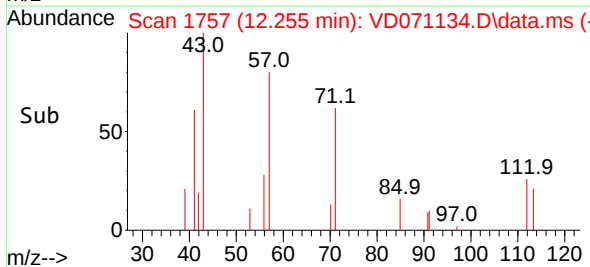
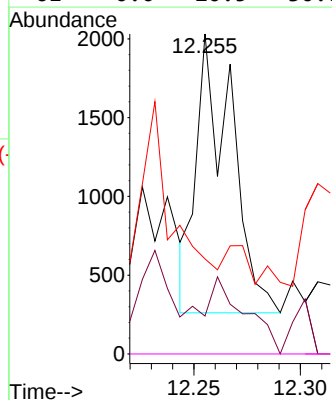
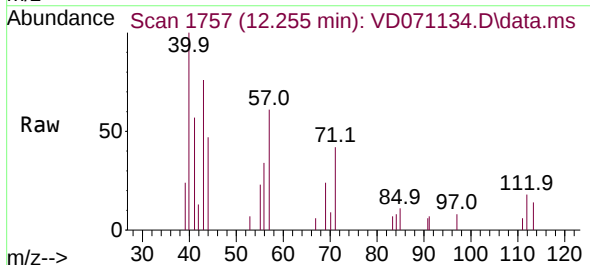
Instrument : MSVOA_D
ClientSampleId : BP-VPB-RW9-GW-968-970

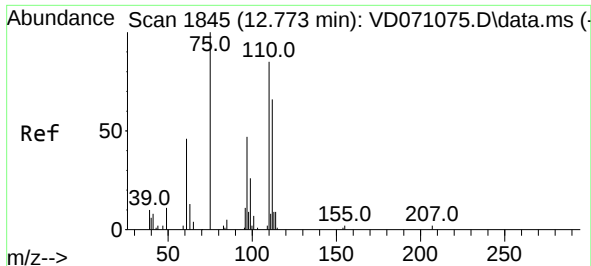
Tgt Ion:152 Resp: 225959
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 157.1 0.0 349.2



#74
N-ethyl acetate
Concen: 6.102 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
70 26.1 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

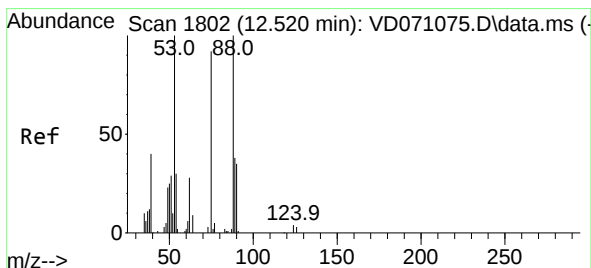
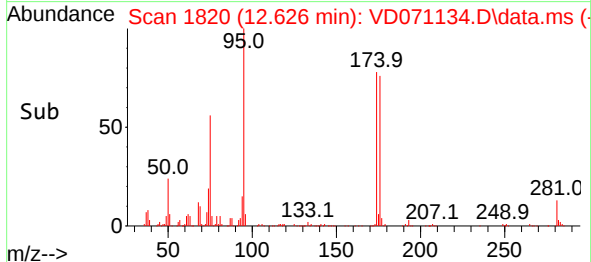
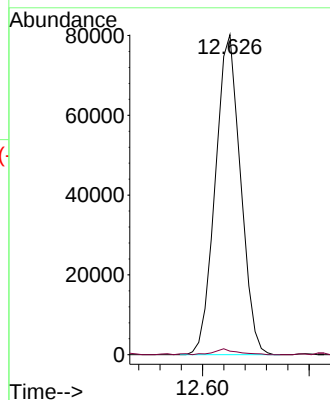
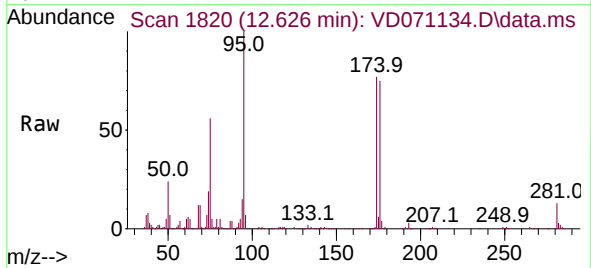




#76
1,2,3-Trichloropropane
Concen: 61.234 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-968-970

Tgt Ion: 75 Resp: 131828
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.458 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071134.D
Acq: 03 Dec 2021 14:31

Tgt Ion: 75 Resp: 131828
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 34.5 51.7#

