

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069102.D
 Acq On : 07 May 2021 14:54
 Operator : VA/SY
 Sample : M2333-08
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-658-660

Quant Time: May 08 00:08:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

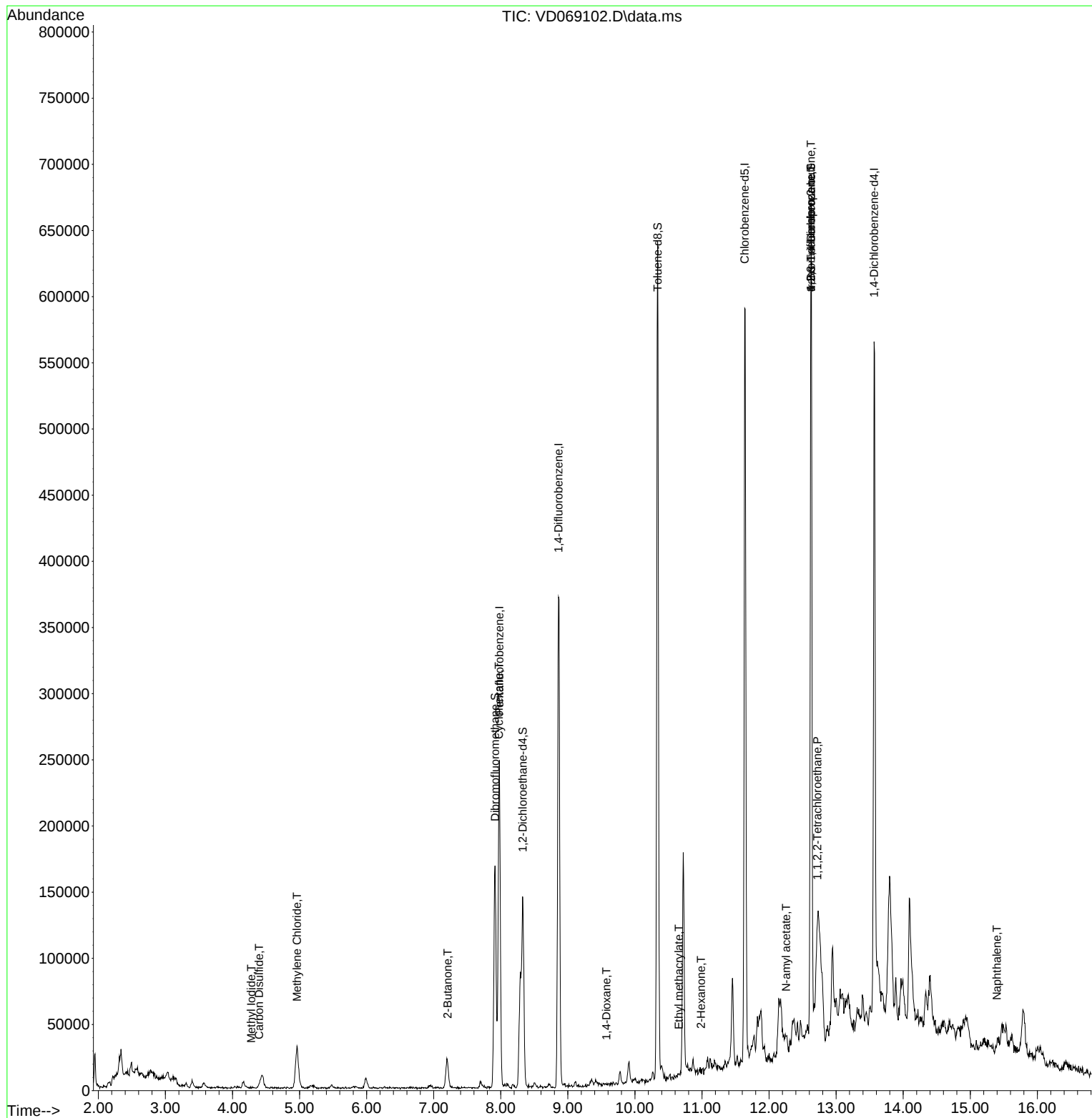
Internal Standards						
1) Pentafluorobenzene	7.979	168	172339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	338434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	342902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	137287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	102713	46.24	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.48%
35) Dibromofluoromethane	7.914	113	119016	51.28	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.56%
50) Toluene-d8	10.338	98	437527	51.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.12%
62) 4-Bromofluorobenzene	12.626	95	142172	50.45	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.90%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.279	142	61	3.20	ug/l #	17
11) Tert butyl alcohol	5.214	59	1123	Below Cal	#	81
16) Acetone	4.162	43	7355	Below Cal	#	57
17) Carbon Disulfide	4.397	76	6320	1.04	ug/l #	87
20) Methylene Chloride	4.962	84	24027	4.93	ug/l	88
25) 2-Butanone	7.208	43	1554	3.27	ug/l #	46
31) Cyclohexane	7.973	56	5180	1.61	ug/l #	33
49) 1,4-Dioxane	9.573	88	57	3.54	ug/l #	1
56) Ethyl methacrylate	10.655	69	377	2.53	ug/l #	13
59) 2-Hexanone	10.985	43	908	1.04	ug/l #	54
74) N-amyl acetate	12.255	43	3735	1.87	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.720	83	10102	5.42	ug/l #	42
76) 1,2,3-Trichloropropane	12.626	75	76951	64.39	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	76951	140.10	ug/l #	11
95) Naphthalene	15.396	128	3493	3.53	ug/l #	81

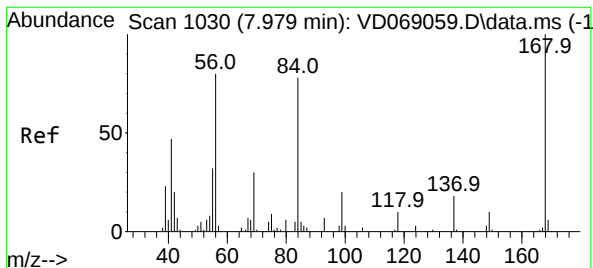
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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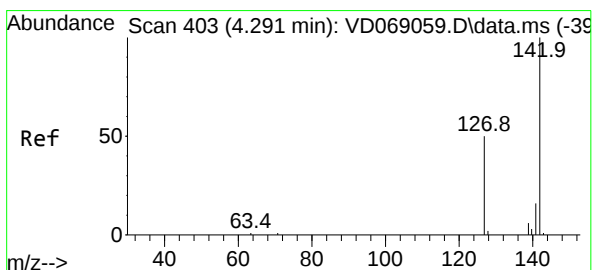
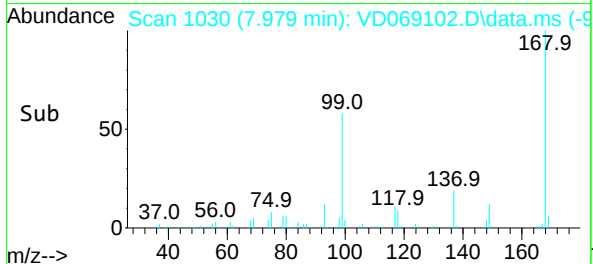
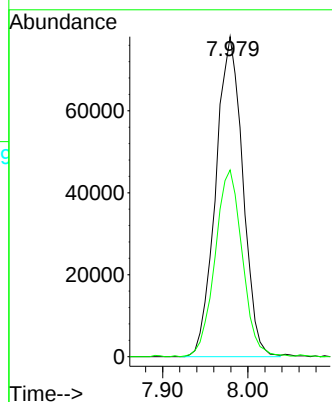
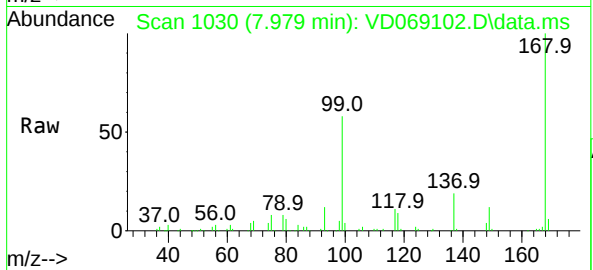




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

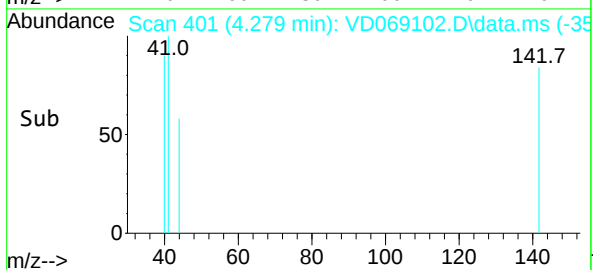
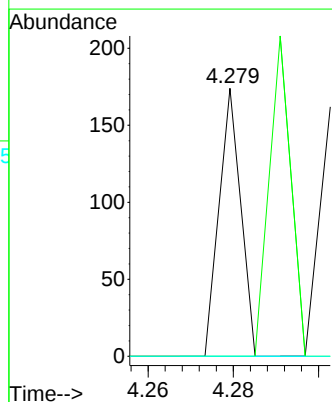
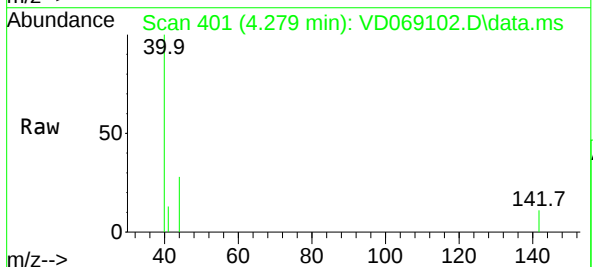
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

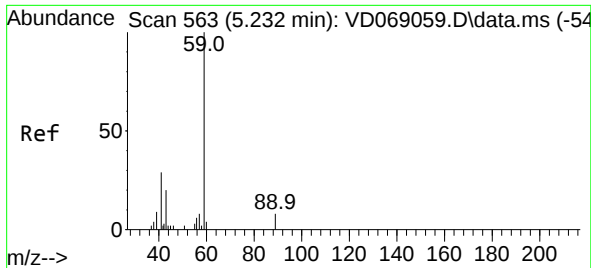
Tgt Ion:168 Resp: 172339
Ion Ratio Lower Upper
168 100
99 58.4 52.6 78.8



#10
Methyl Iodide
Concen: 3.20 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.012 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 119.7 41.6 62.4#
141 0.0 12.2 18.4#

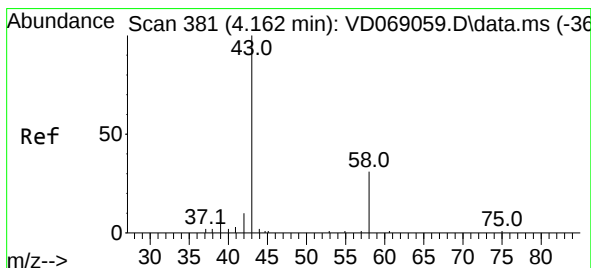
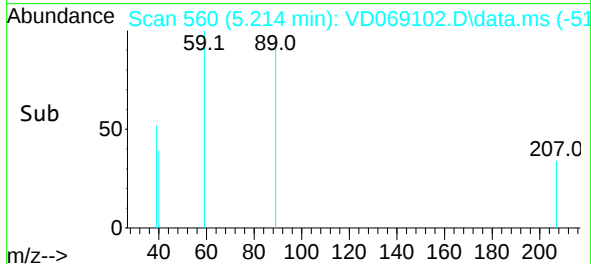
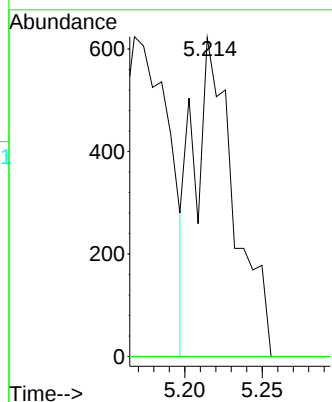
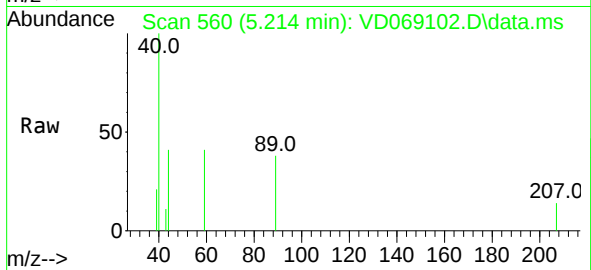




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

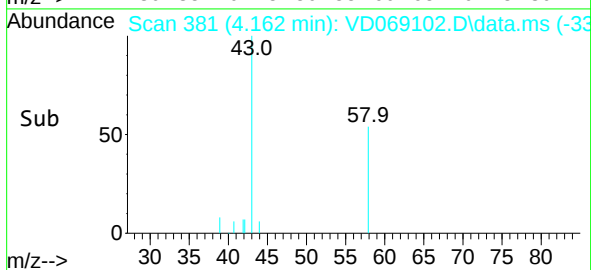
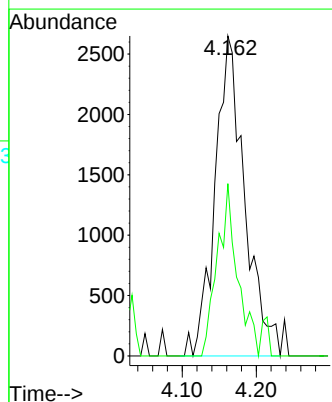
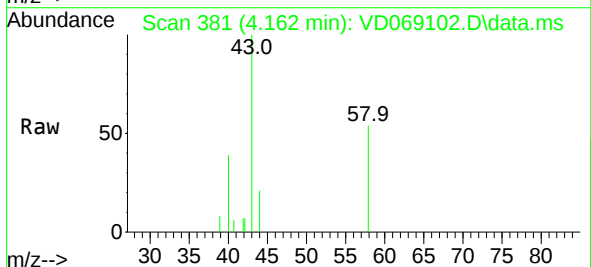
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

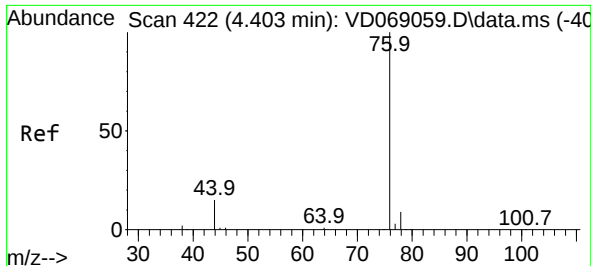
Tgt Ion: 59 Resp: 1123
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 43 Resp: 7355
Ion Ratio Lower Upper
43 100
58 53.8 24.5 36.7#

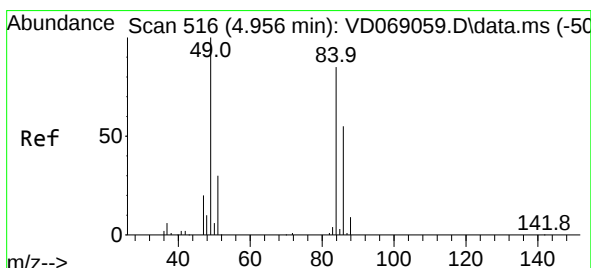
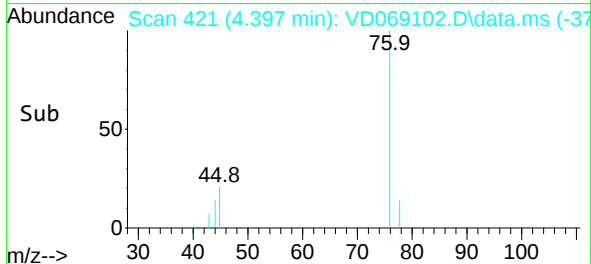
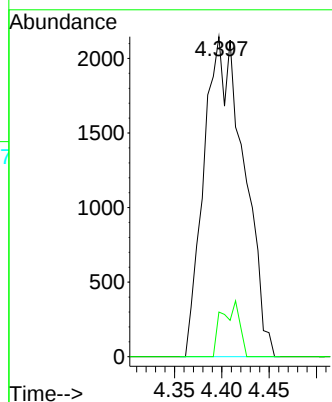
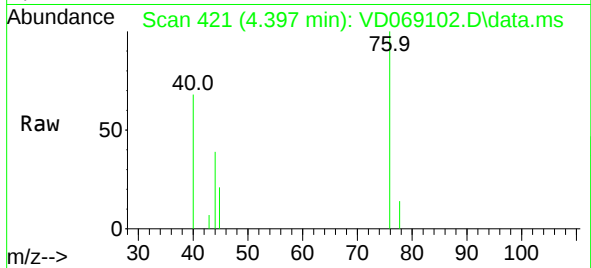




#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

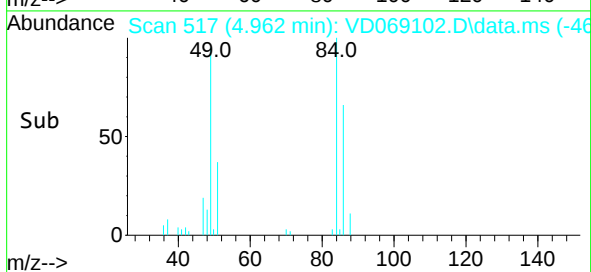
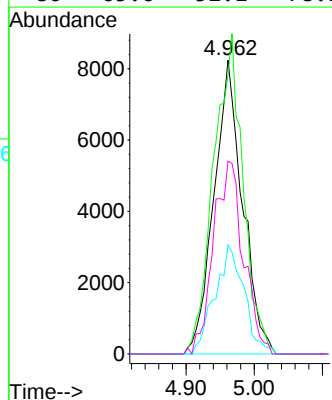
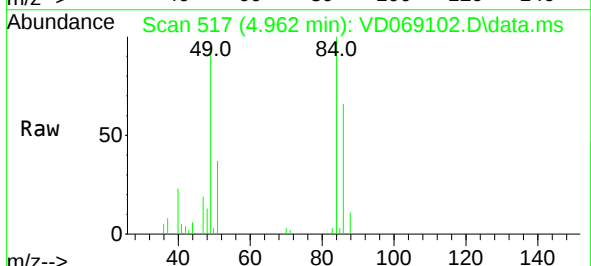
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

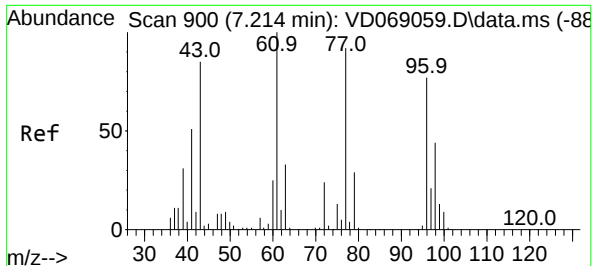
Tgt Ion: 76 Resp: 6320
Ion Ratio Lower Upper
76 100
78 14.0 7.4 11.2#



#20
Methylene Chloride
Concen: 4.93 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 84 Resp: 24027
Ion Ratio Lower Upper
84 100
49 95.0 93.9 140.9
51 37.1 27.9 41.9
86 65.6 52.1 78.1

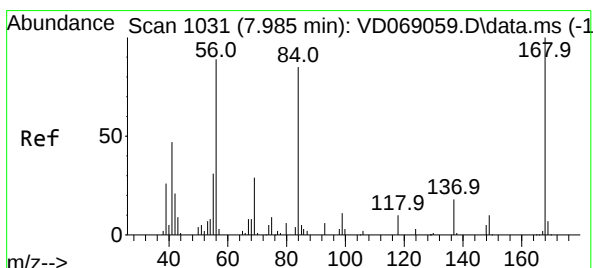
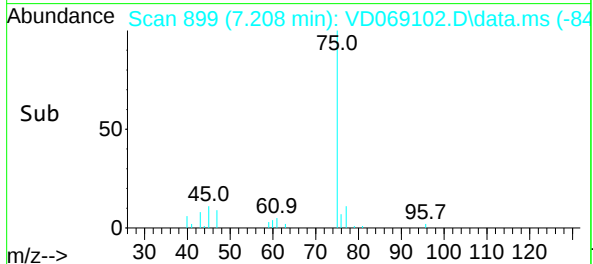
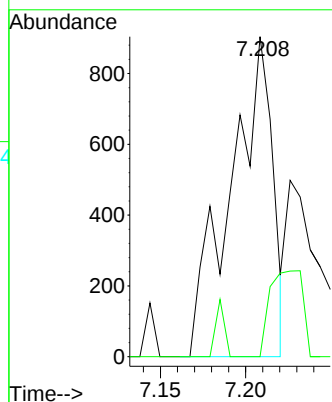
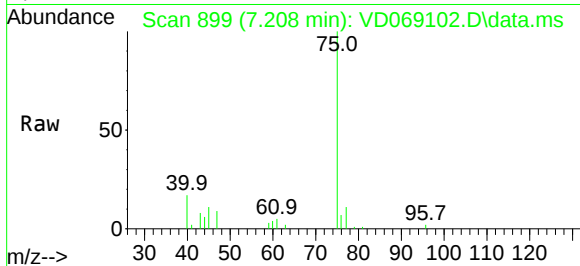




#25
2-Butanone
Concen: 3.27 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

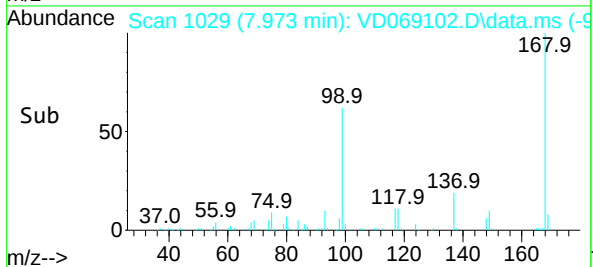
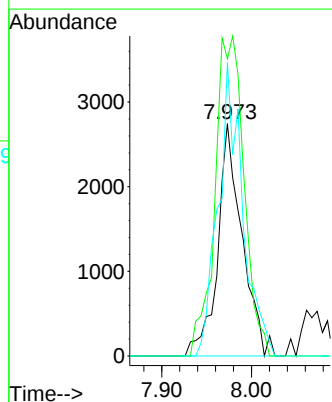
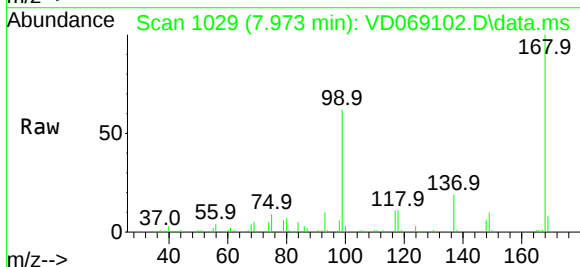
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

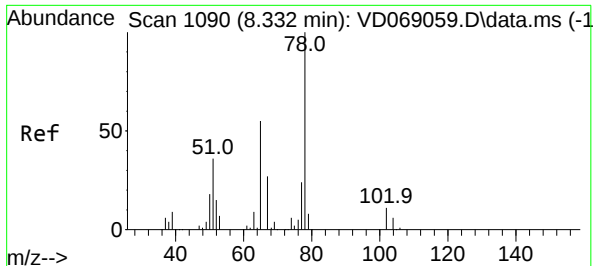
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.4#



#31
Cyclohexane
Concen: 1.61 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 56 Resp: 5180
Ion Ratio Lower Upper
56 100
69 127.8 26.3 39.5#
84 126.3 75.9 113.9#

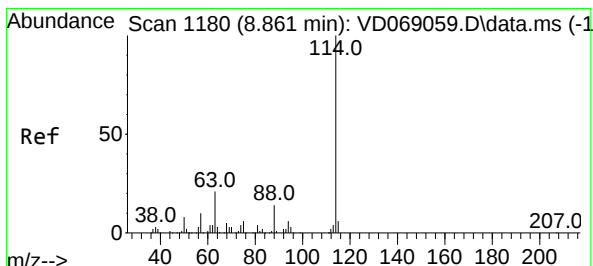
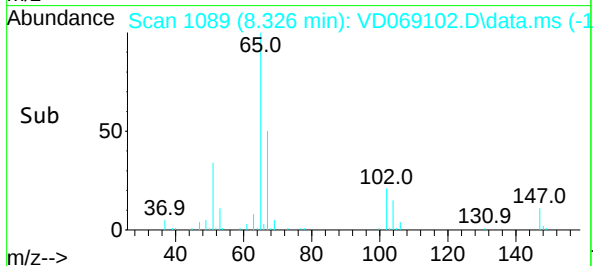
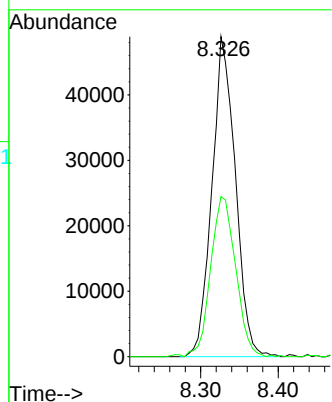
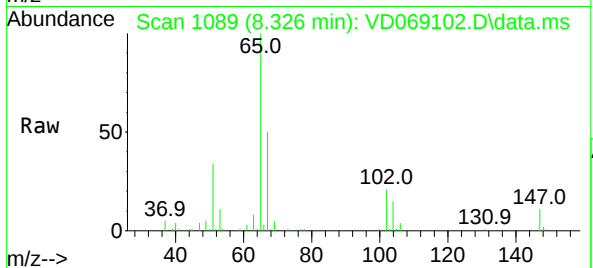




#33
1,2-Dichloroethane-d4
Concen: 46.24 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

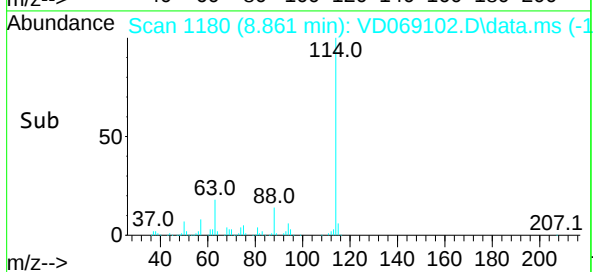
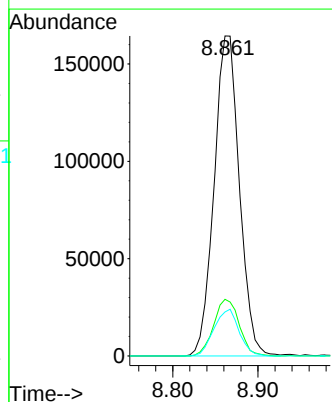
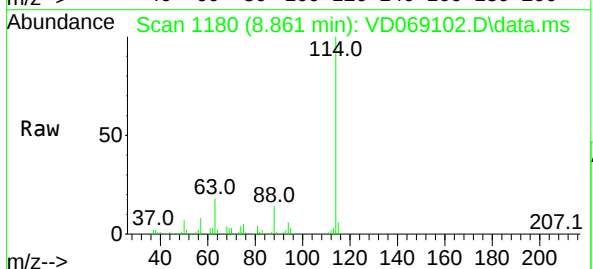
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

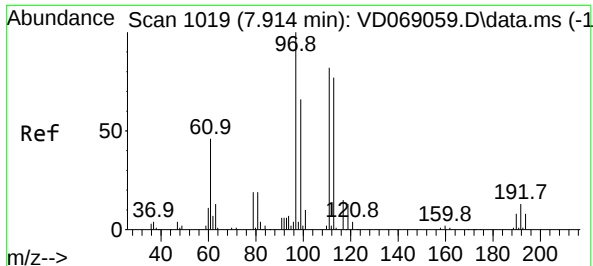
Tgt Ion: 65 Resp: 102713
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 114 Resp: 338434
Ion Ratio Lower Upper
114 100
63 17.7 0.0 41.4
88 13.7 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.28 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069102.D

Acq: 07 May 2021 14:54

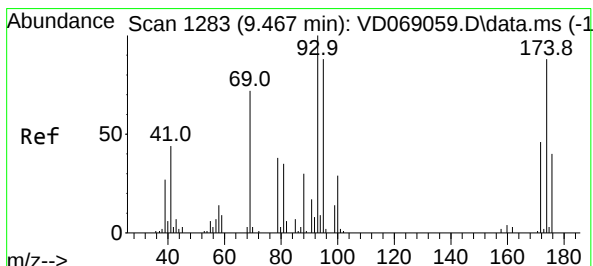
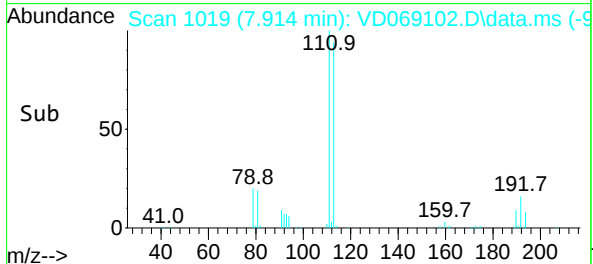
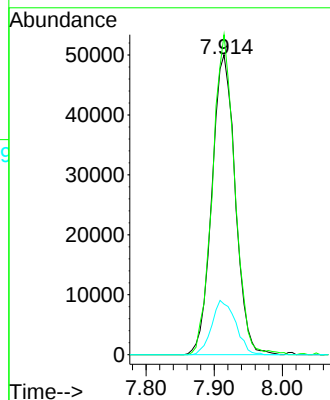
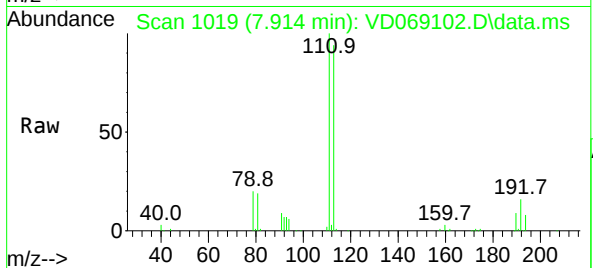
Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW8-GW-658-660

Tgt Ion:	113	Resp:	119016
Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.6	126.8
192	18.6	13.5	20.3



#49

1,4-Dioxane

Concen: 3.54 ug/l

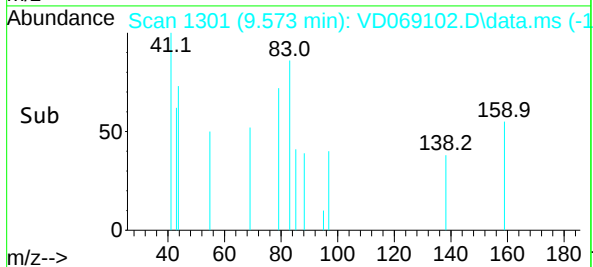
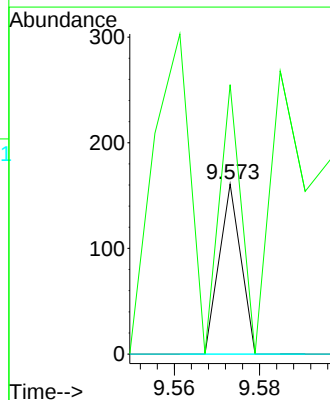
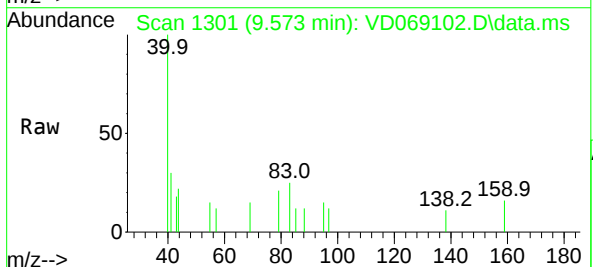
RT: 9.573 min Scan# 1301

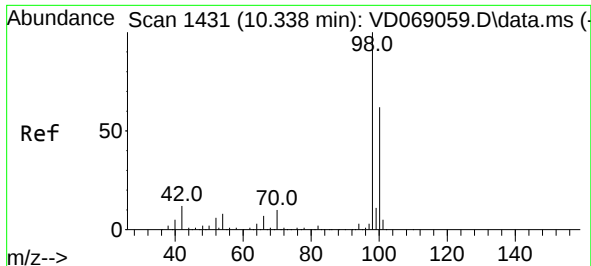
Delta R.T. 0.106 min

Lab File: VD069102.D

Acq: 07 May 2021 14:54

Tgt Ion:	88	Resp:	57
Ion	Ratio	Lower	Upper
88	100		
43	375.4	32.0	48.0#
58	0.0	52.4	78.6#

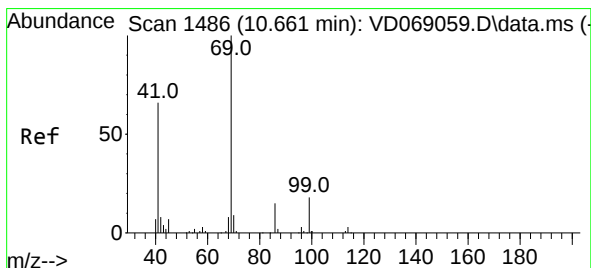
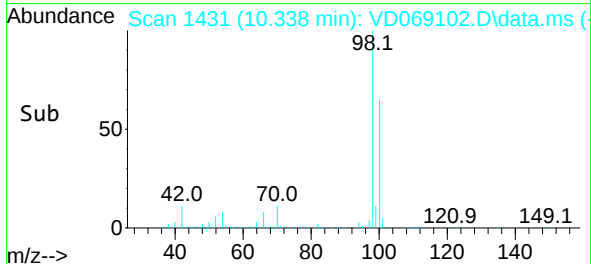
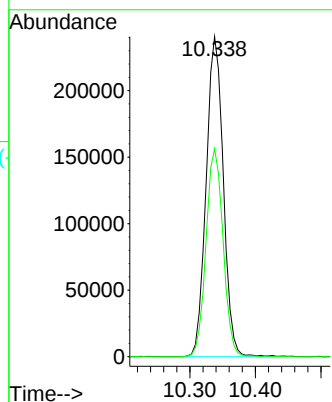
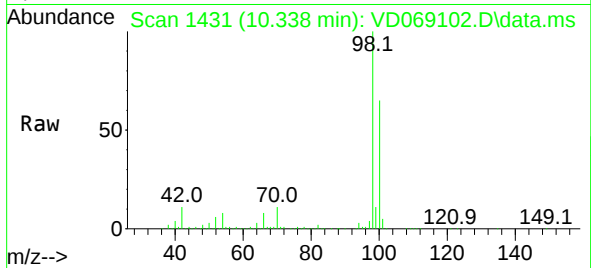




#50
Toluene-d8
Concen: 51.06 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

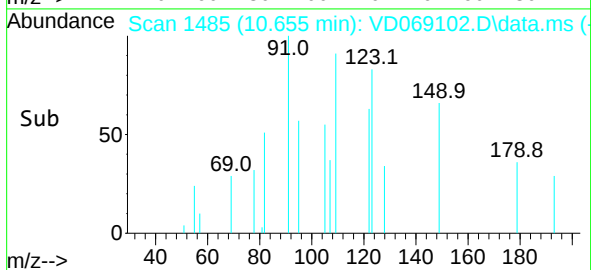
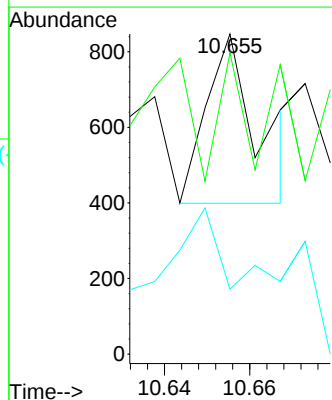
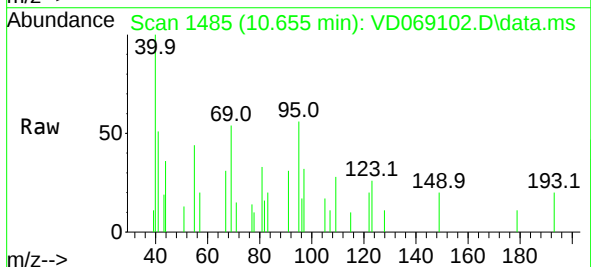
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BP-VPB-RW8-GW-658-660

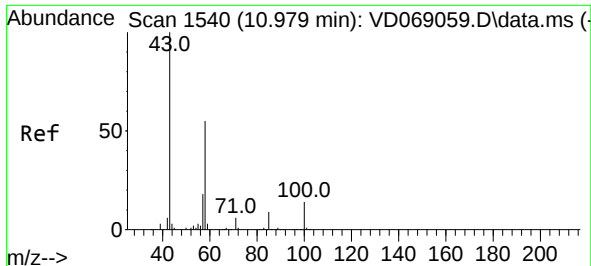
Tgt Ion: 98 Resp: 437527
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#56
Ethyl methacrylate
Concen: 2.53 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 69 Resp: 377
Ion Ratio Lower Upper
69 100
41 71.1 49.2 73.8
39 162.9 29.8 44.6#

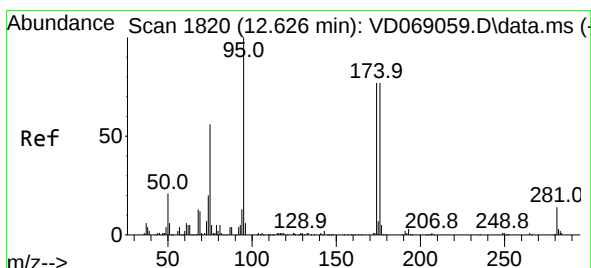
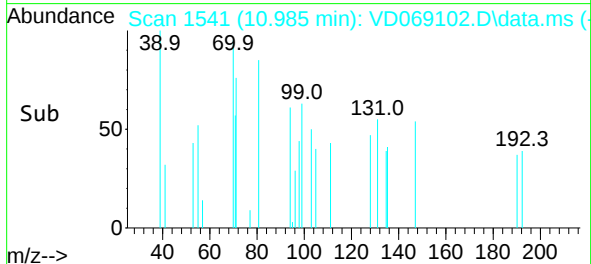
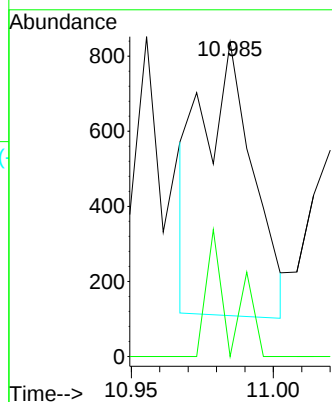
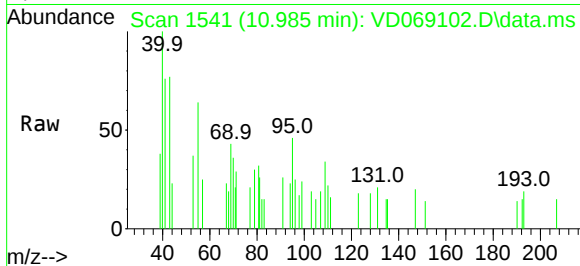




#59
2-Hexanone
Concen: 1.04 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

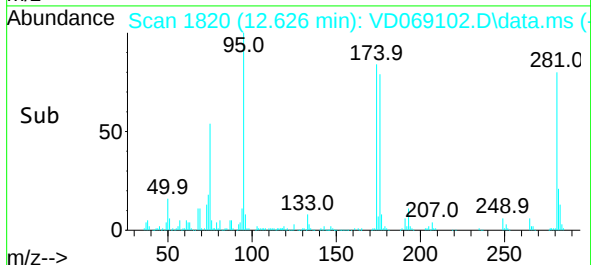
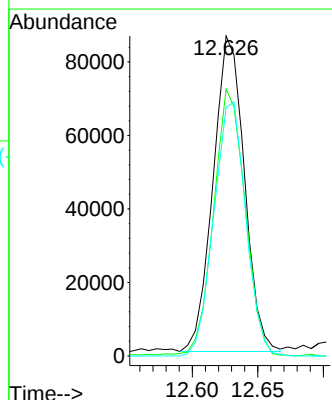
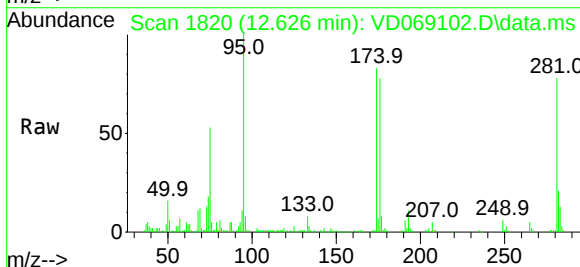
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

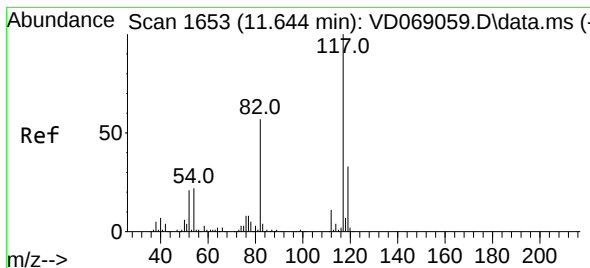
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 21.9 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 50.45 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 95 Resp: 142172
Ion Ratio Lower Upper
95 100
174 85.7 0.0 156.0
176 82.4 0.0 149.4

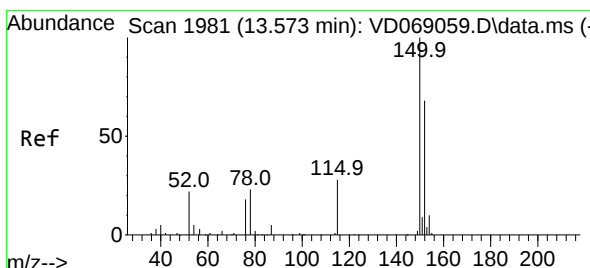
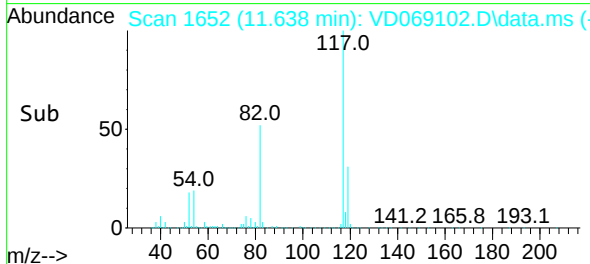
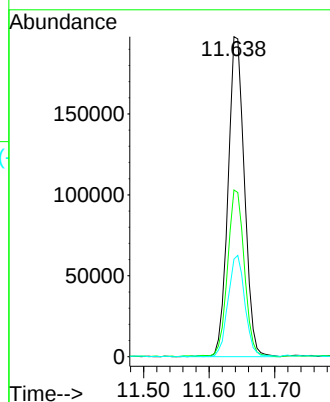
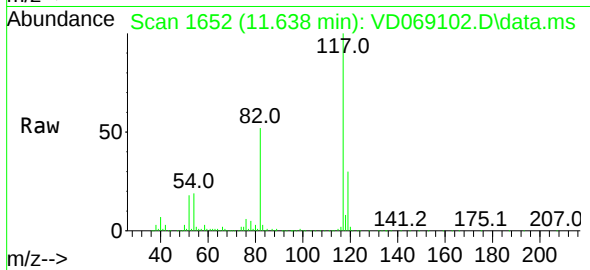




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

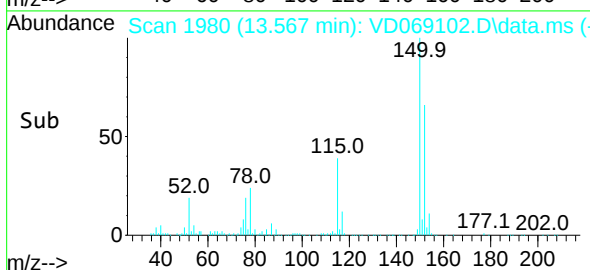
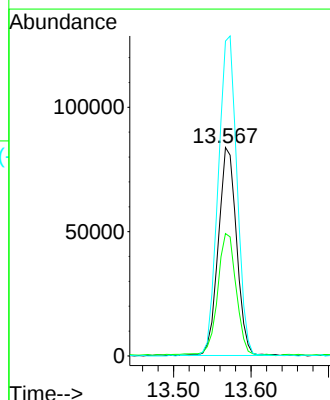
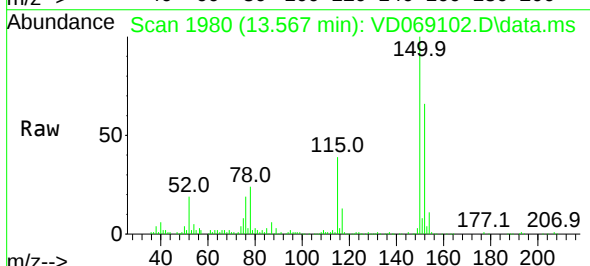
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

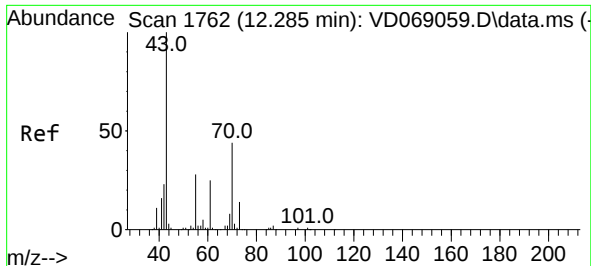
Tgt Ion:117 Resp: 342902
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.2
119 30.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

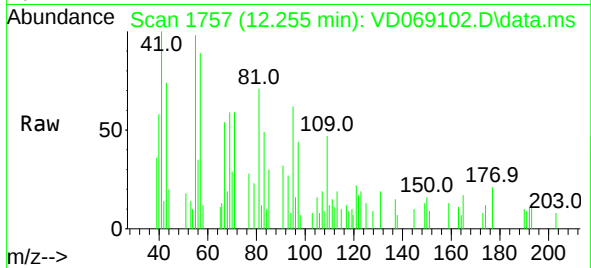
Tgt Ion:152 Resp: 137287
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 157.1 0.0 340.8



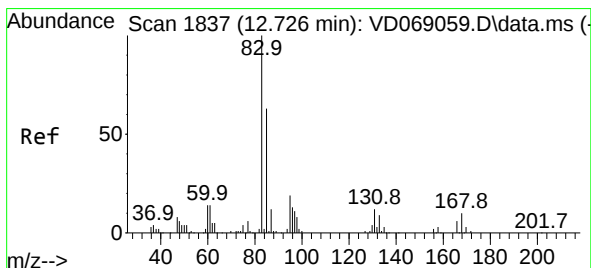
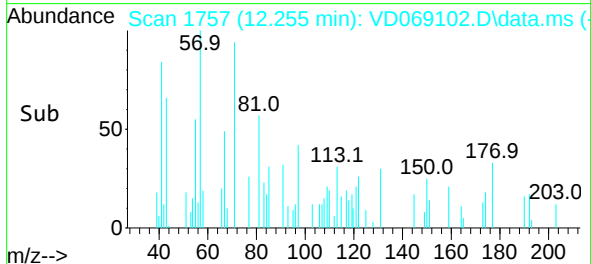
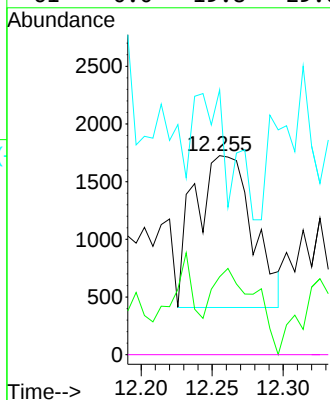


#74
N-amy1 acetate
Concen: 1.87 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.029 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

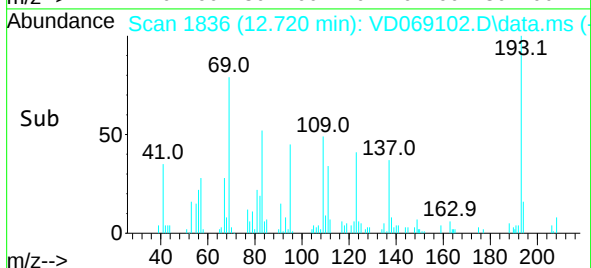
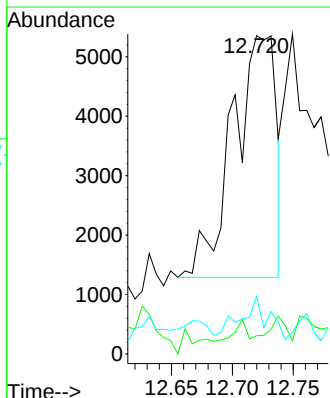
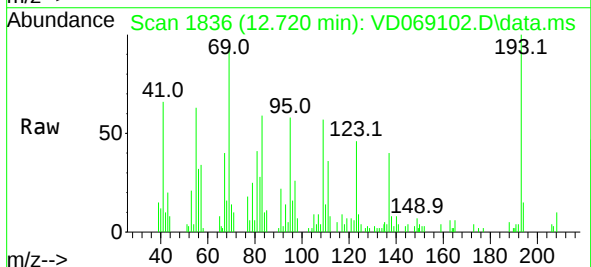


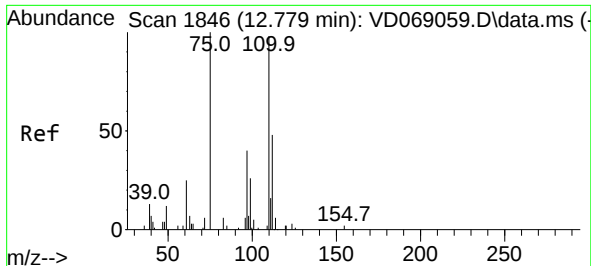
Tgt Ion:	43	Resp:	3735
Ion	Ratio	Lower	Upper
43	100		
70	42.1	36.4	54.6
55	57.8	21.8	32.8#
61	0.0	19.8	29.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.42 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion:	83	Resp:	10102
Ion	Ratio	Lower	Upper
83	100		
131	2.6	5.2	15.6#
85	12.7	30.9	92.8#

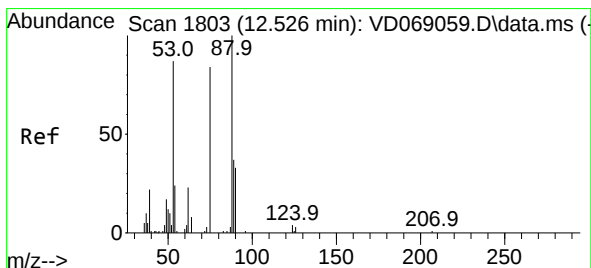
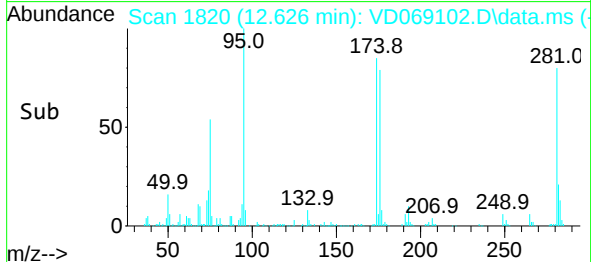
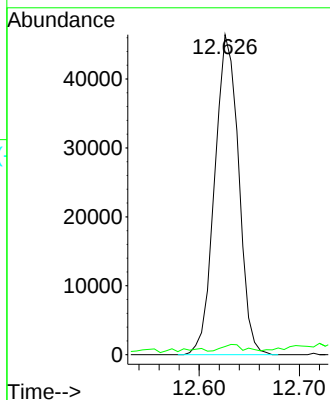
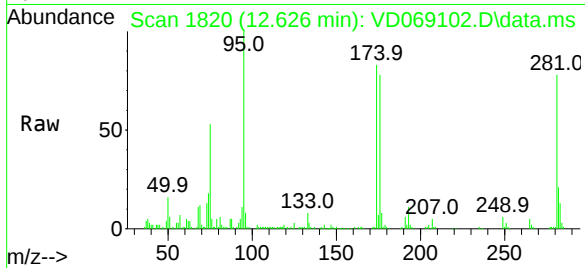




#76
1,2,3-Trichloropropane
Concen: 64.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

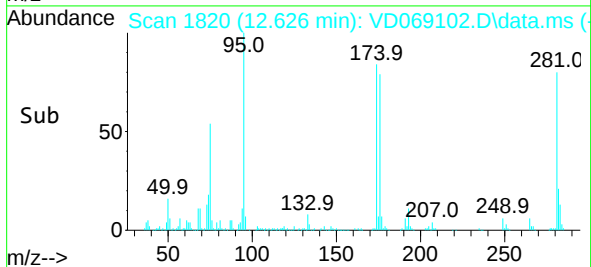
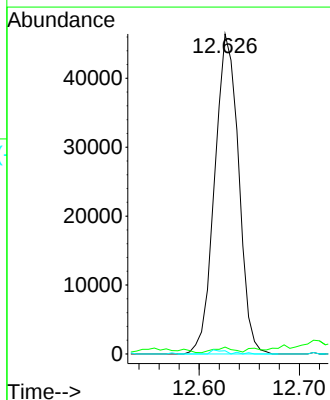
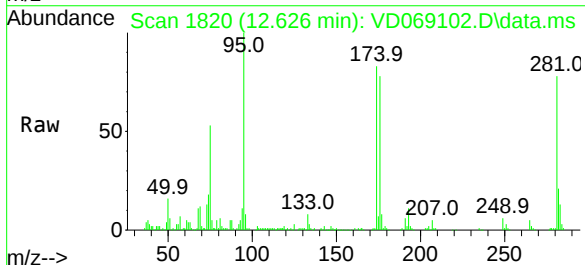
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

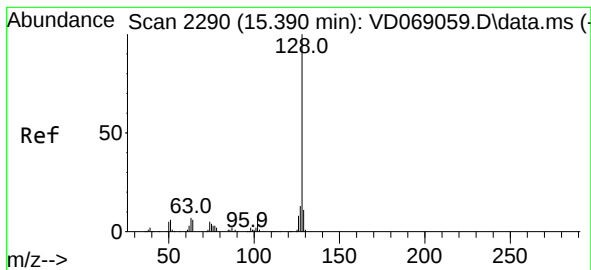
Tgt Ion: 75 Resp: 76951
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.10 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Tgt Ion: 75 Resp: 76951
Ion Ratio Lower Upper
75 100
53 1.3 80.4 120.6#
89 0.9 37.8 56.8#





#95
Naphthalene
Concen: 3.53 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069102.D
Acq: 07 May 2021 14:54

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-658-660

Tgt Ion:128 Resp: 3493
Ion Ratio Lower Upper
128 100
127 8.8 10.7 16.1#
129 0.0 8.5 12.7#

