

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069105.D
 Acq On : 07 May 2021 16:23
 Operator : VA/SY
 Sample : M2329-01
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

Quant Time: May 08 00:08:52 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	197472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	388895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	403615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	199092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139381	54.77	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.54%
35) Dibromofluoromethane	7.914	113	142305	53.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.72%
50) Toluene-d8	10.338	98	506096	51.40	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.80%
62) 4-Bromofluorobenzene	12.626	95	180773	55.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.64%

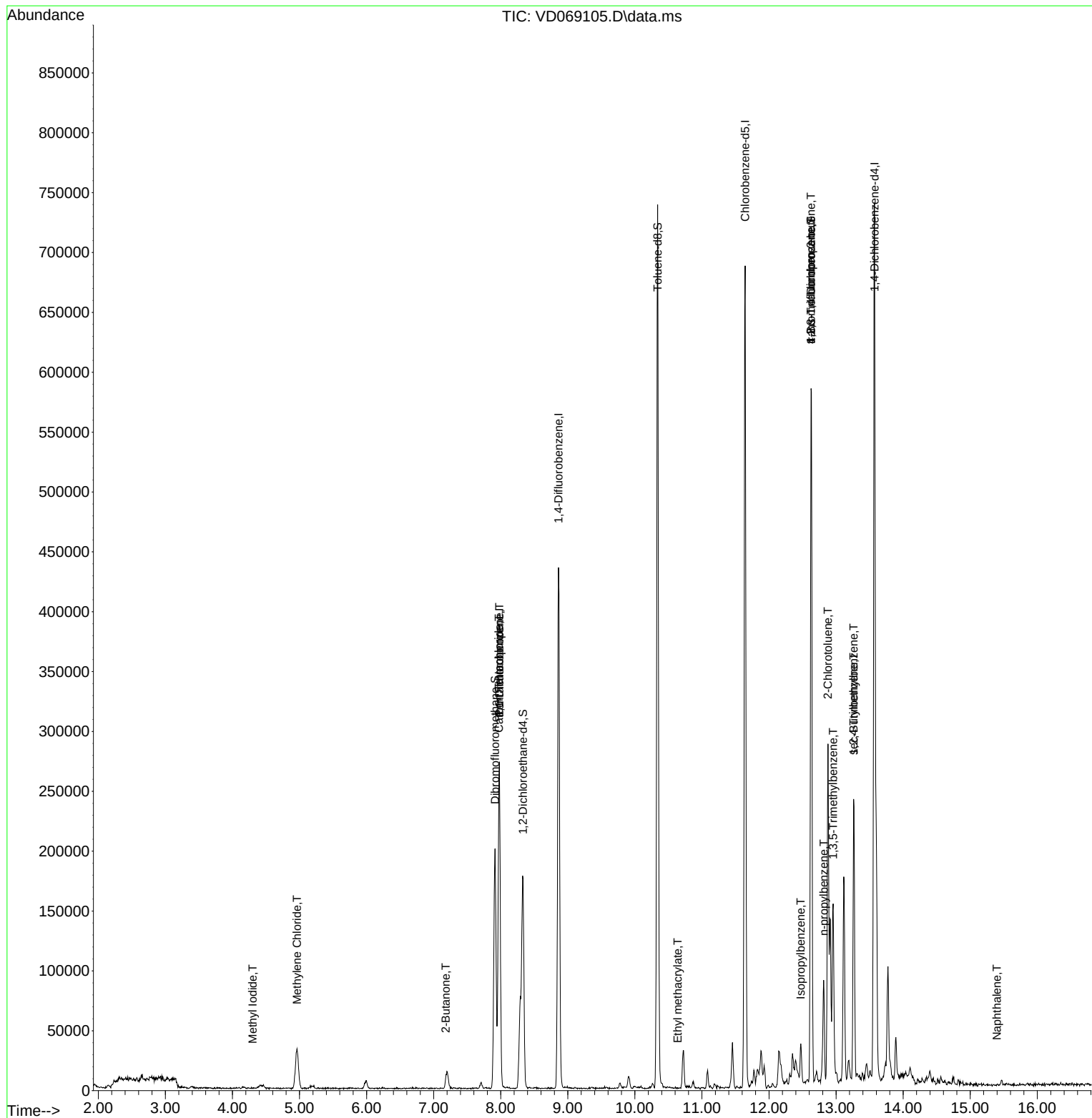
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	54	3.19	ug/l #	29
11) Tert butyl alcohol	5.232	59	232	Below Cal	#	81
16) Acetone	4.156	43	2446	Below Cal	#	44
20) Methylene Chloride	4.962	84	28127	5.21	ug/l #	79
25) 2-Butanone	7.179	43	672	1.24	ug/l #	46
36) 1,1-Dichloropropene	7.979	75	16336	3.99	ug/l #	49
38) Carbon Tetrachloride	7.973	117	21032	4.74	ug/l #	20
56) Ethyl methacrylate	10.638	69	141	2.43	ug/l #	93
73) Isopropylbenzene	12.473	105	18985	1.38	ug/l	94
76) 1,2,3-Trichloropropane	12.626	75	91194	52.62	ug/l #	100
78) n-propylbenzene	12.814	91	62978	3.72	ug/l	99
79) 2-Chlorotoluene	12.879	91	23033	2.44	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.955	105	66156	5.64	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	91194	114.49	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.261	105	133440	11.38	ug/l	99
85) sec-Butylbenzene	13.261	105	133440	9.64	ug/l #	57
95) Naphthalene	15.396	128	231	2.86	ug/l #	69

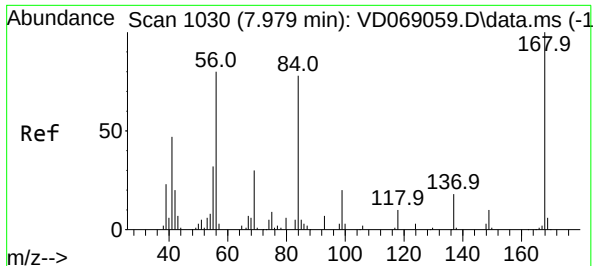
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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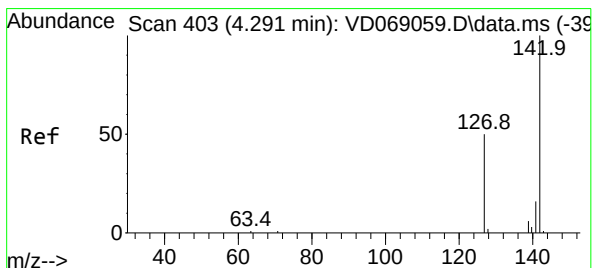
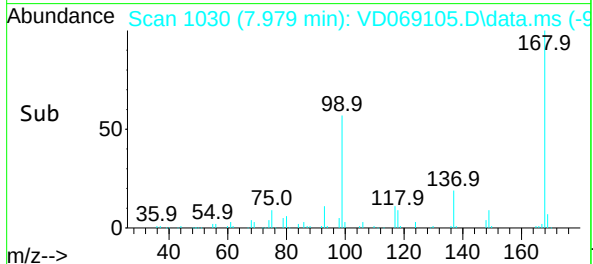
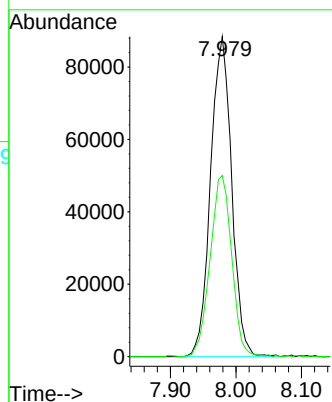
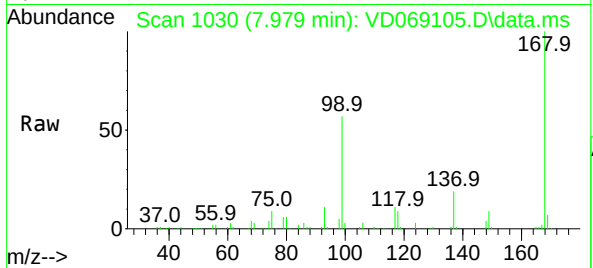




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

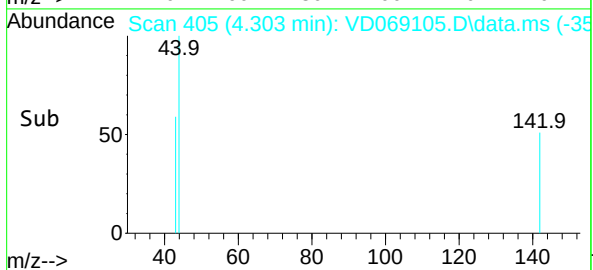
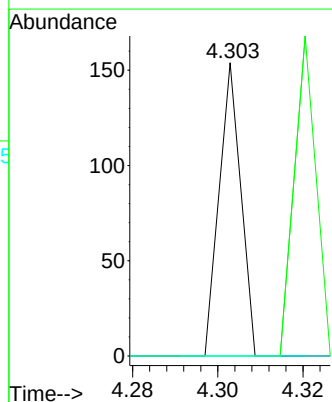
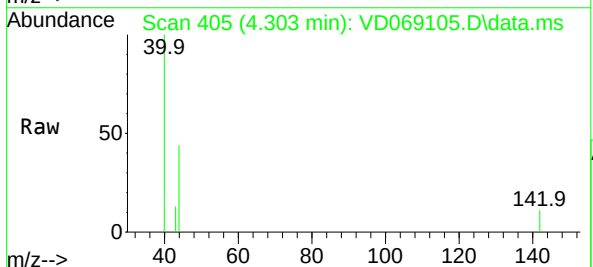
Instrument :
MSVOA_D
ClientSampleId :
SB-1

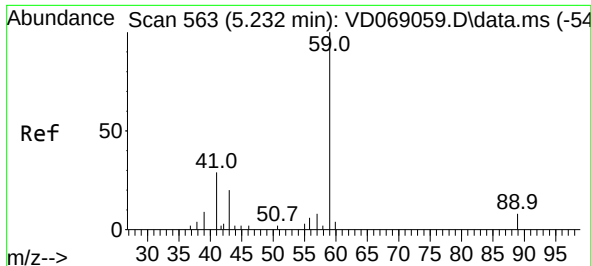
Tgt Ion:168 Resp: 197472
Ion Ratio Lower Upper
168 100
99 56.6 52.6 78.8



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.012 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 109.3 41.6 62.4#
141 0.0 12.2 18.4#

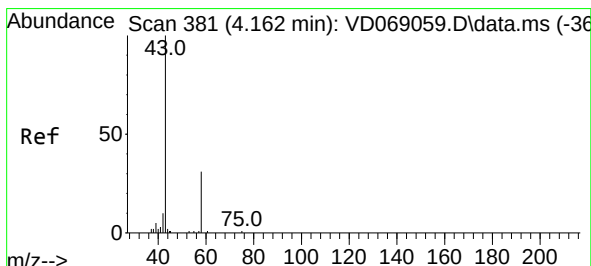
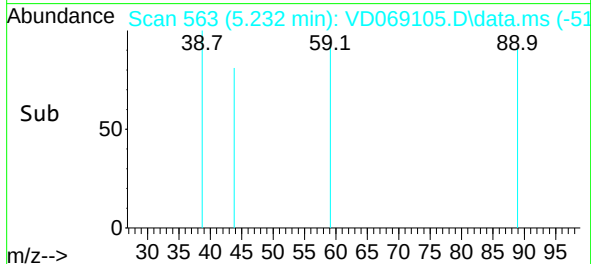
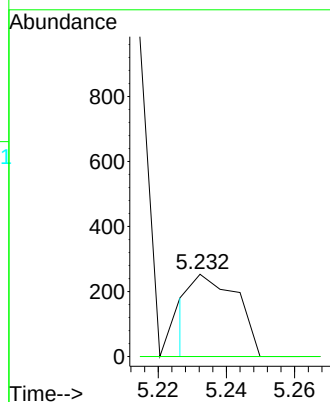
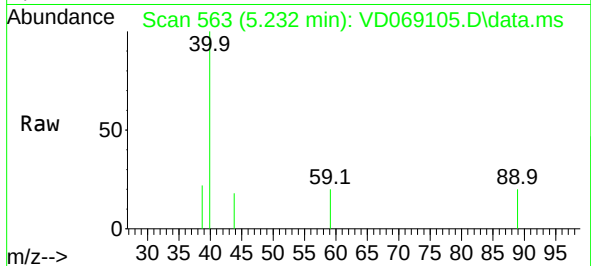




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

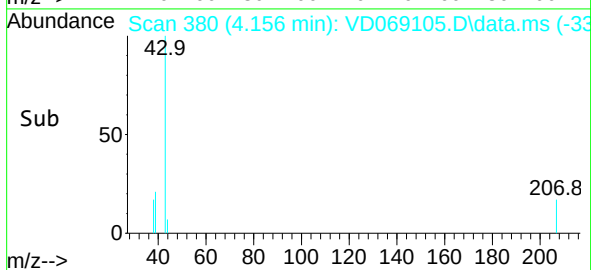
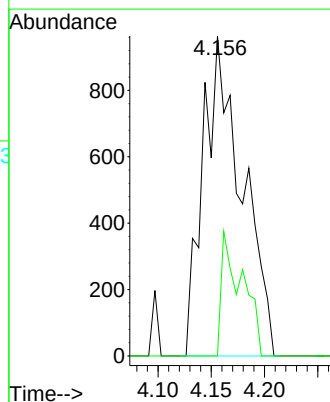
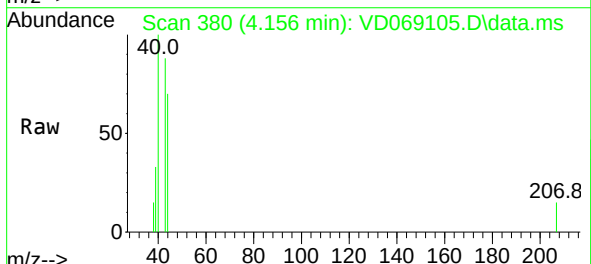
Instrument :
MSVOA_D
ClientSampleId :
SB-1

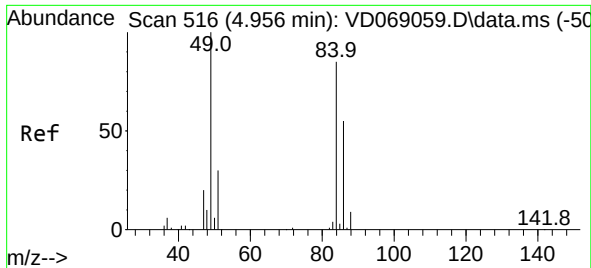
Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

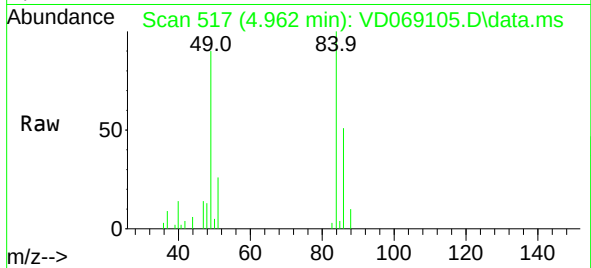
Tgt Ion: 43 Resp: 2446
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



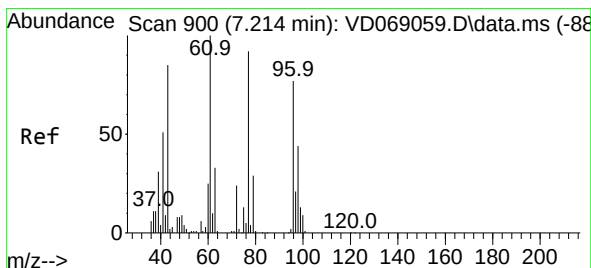
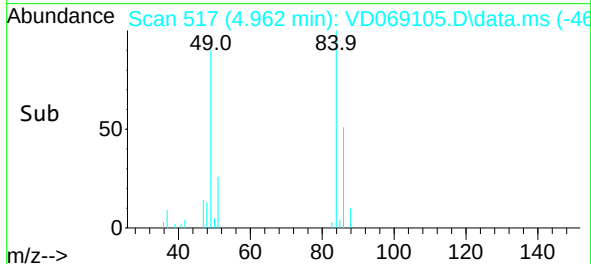
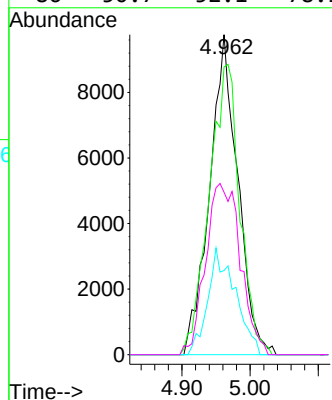


#20
Methylene Chloride
Concen: 5.21 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Instrument :
MSVOA_D
ClientSampleId :
SB-1

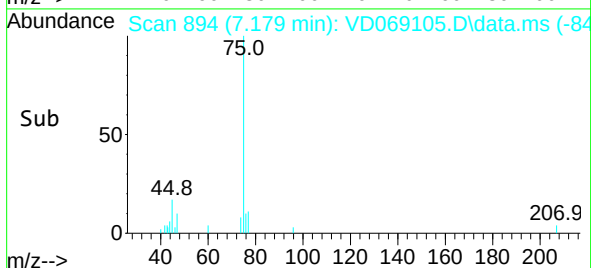
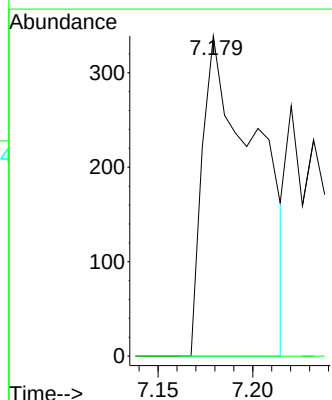
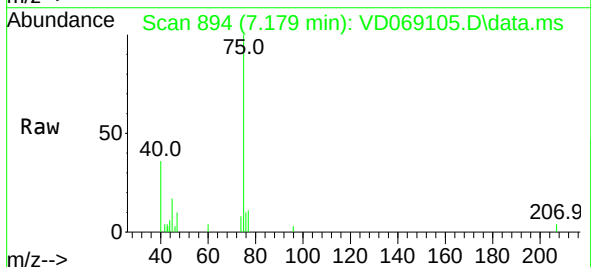


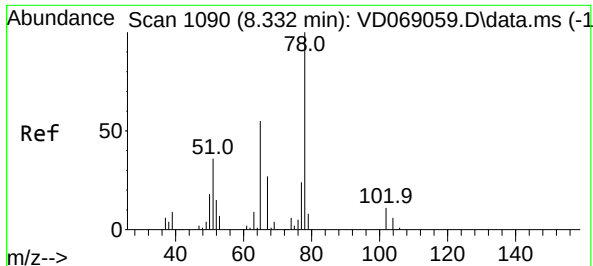
Tgt Ion	Ratio	Lower	Upper
84	100		
49	89.9	93.9	140.9#
51	26.3	27.9	41.9#
86	50.7	52.1	78.1#



#25
2-Butanone
Concen: 1.24 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.035 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

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

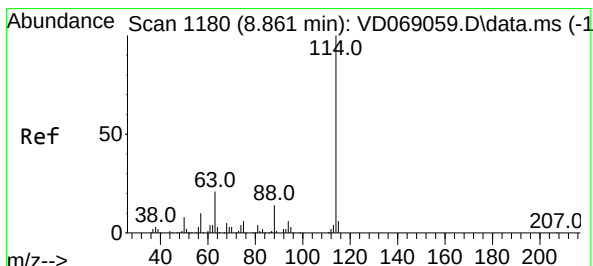
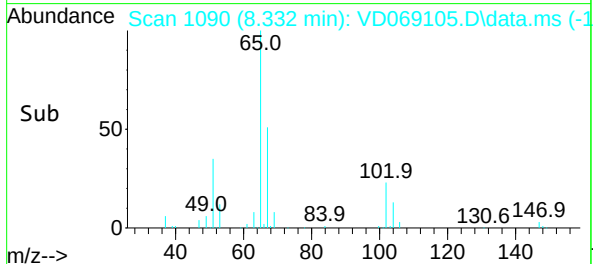
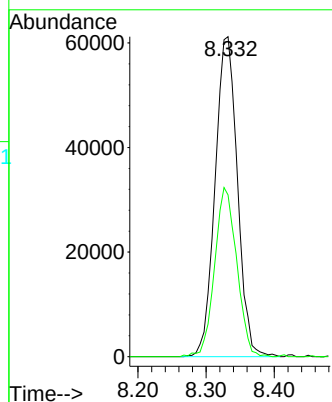
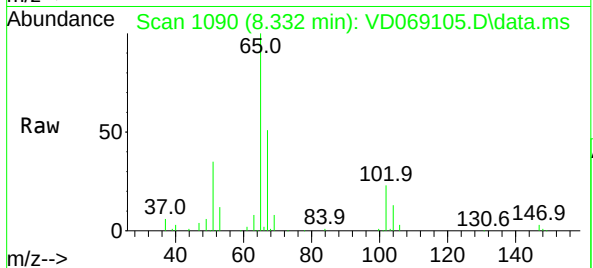




#33
1,2-Dichloroethane-d4
Concen: 54.77 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

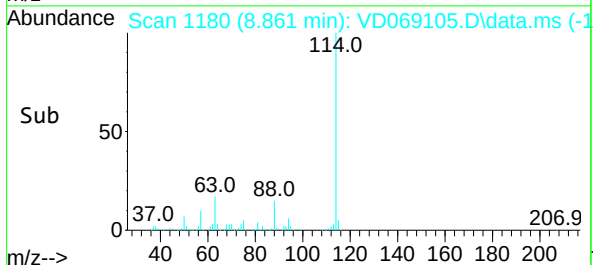
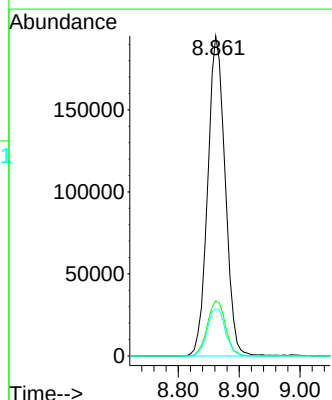
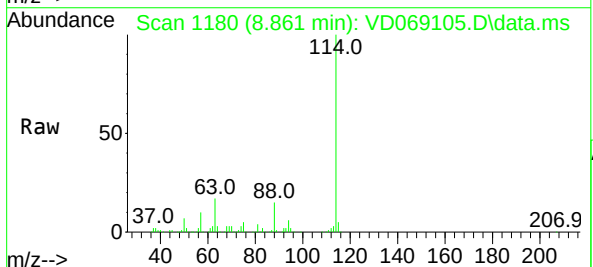
Instrument :
MSVOA_D
ClientSampled :
SB-1

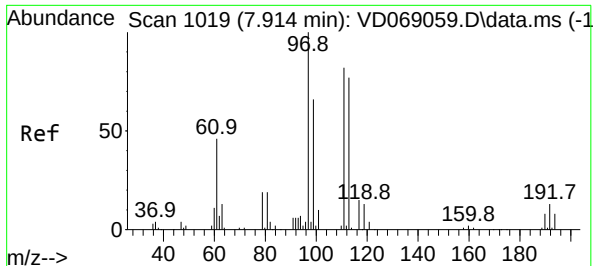
Tgt Ion: 65 Resp: 139381
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion: 114 Resp: 388895
Ion Ratio Lower Upper
114 100
63 17.2 0.0 41.4
88 14.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 53.36 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069105.D

Acq: 07 May 2021 16:23

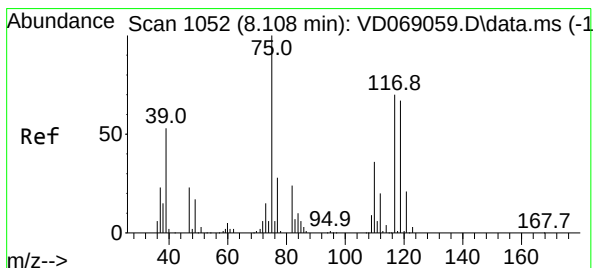
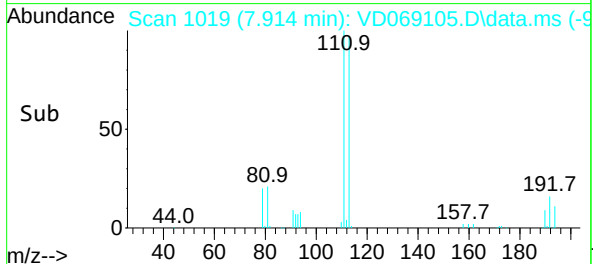
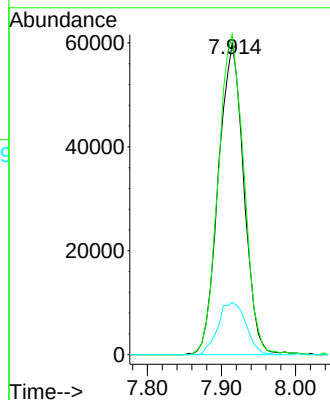
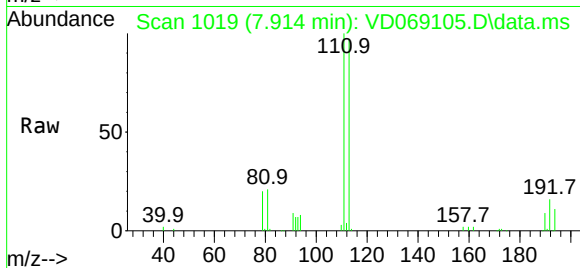
Tgt Ion:113 Resp: 142305

Ion Ratio Lower Upper

113 100

111 104.3 84.6 126.8

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 3.99 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069105.D

Acq: 07 May 2021 16:23

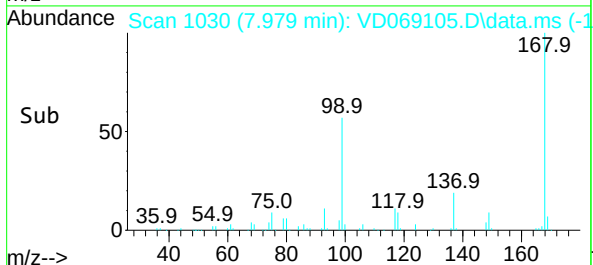
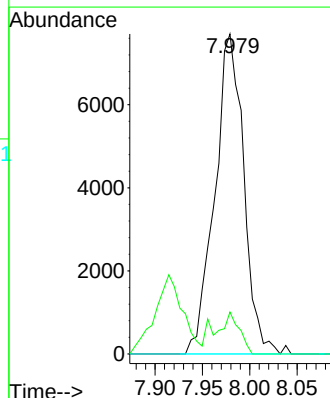
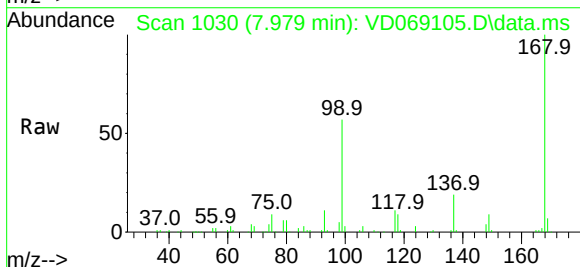
Tgt Ion: 75 Resp: 16336

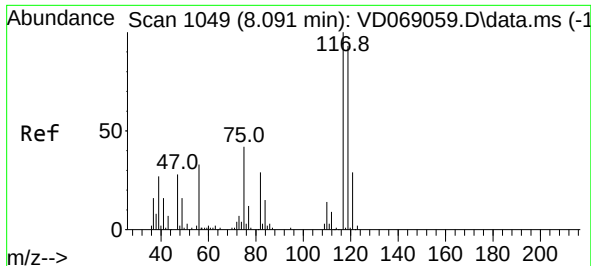
Ion Ratio Lower Upper

75 100

110 6.7 17.3 51.7#

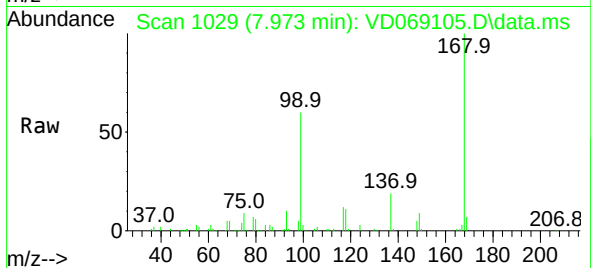
77 0.0 23.9 35.9#



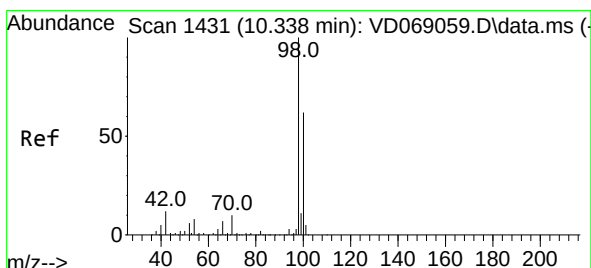
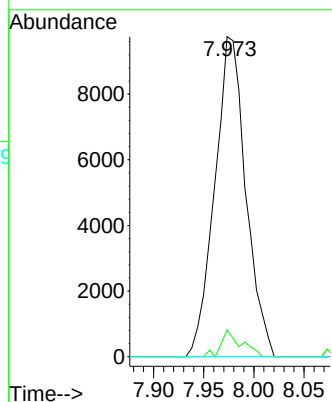
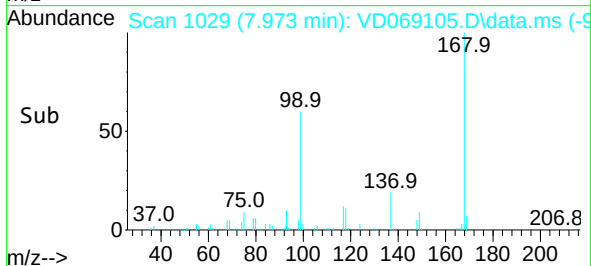


#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

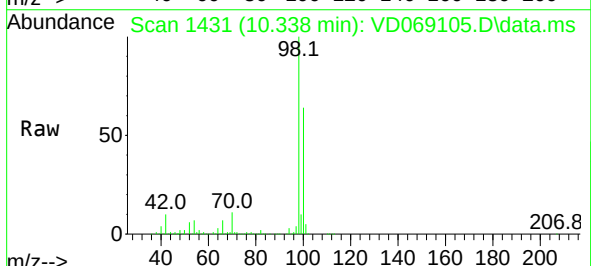
Instrument :
MSVOA_D
ClientSampled :
SB-1



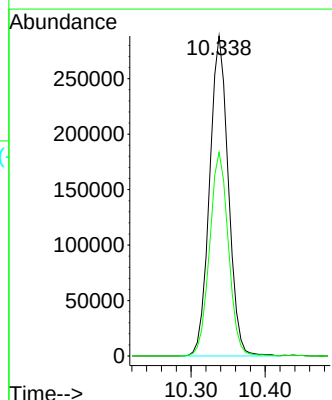
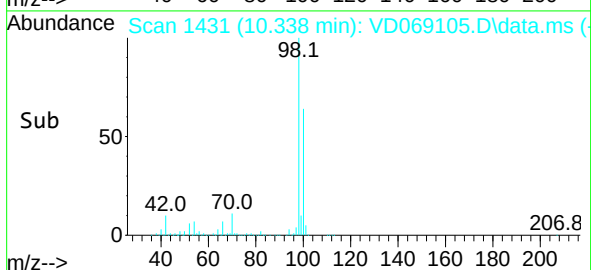
Tgt Ion:117 Resp: 21032
Ion Ratio Lower Upper
117 100
119 8.4 74.7 112.1#
121 0.0 23.1 34.7#

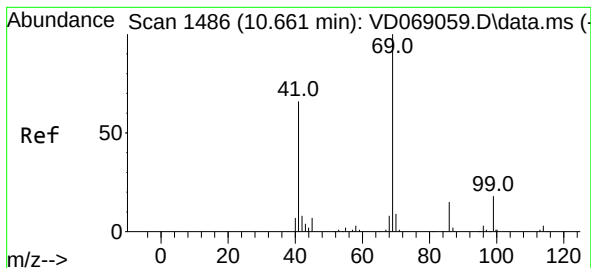


#50
Toluene-d8
Concen: 51.40 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23



Tgt Ion: 98 Resp: 506096
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

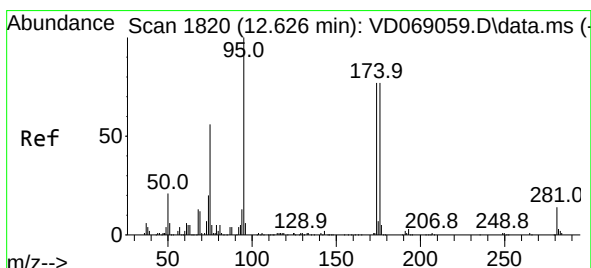
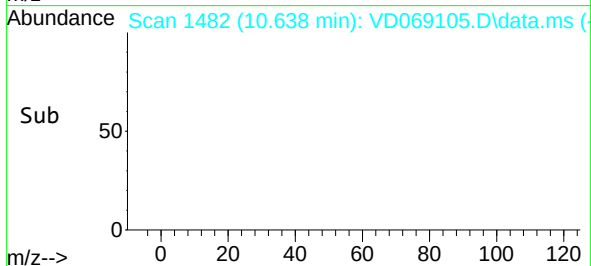
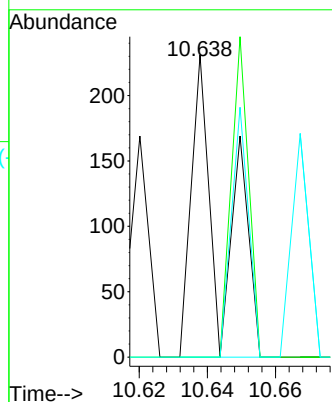
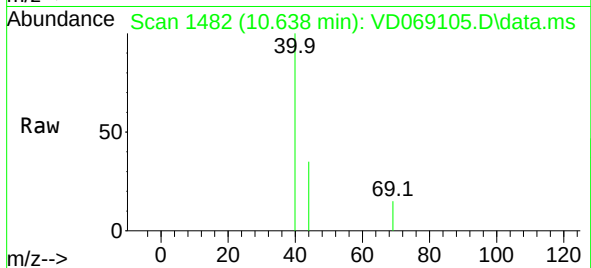




#56
Ethyl methacrylate
Concen: 2.43 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

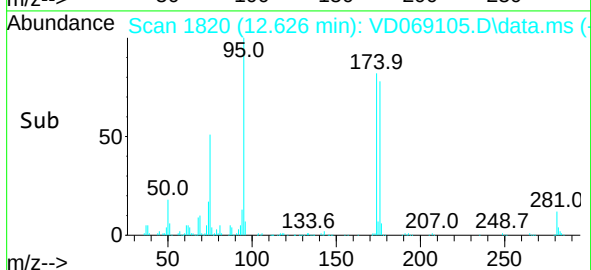
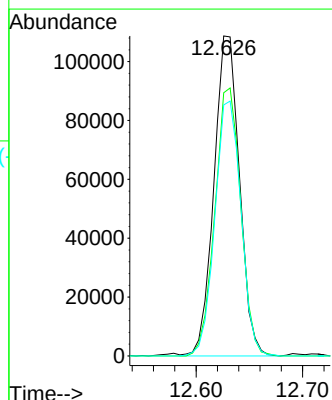
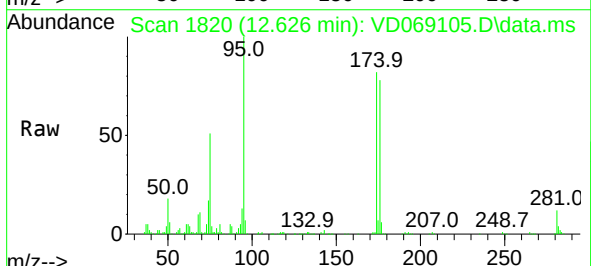
Instrument :
MSVOA_D
ClientSampleId :
SB-1

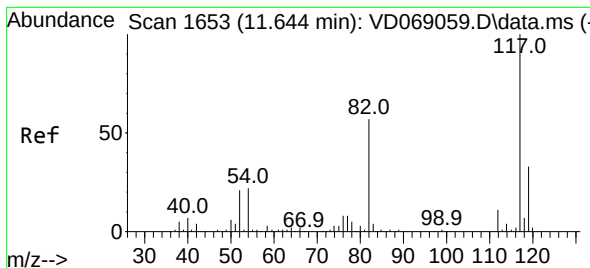
Tgt Ion:	69	Resp:	141
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.2	73.8
39	47.5	29.8	44.6#



#62
4-Bromofluorobenzene
Concen: 55.82 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion:	95	Resp:	180773
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	156.0
176	81.3	0.0	149.4

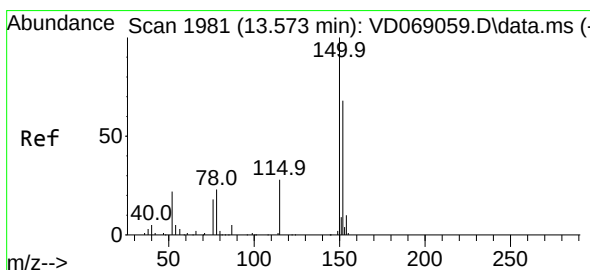
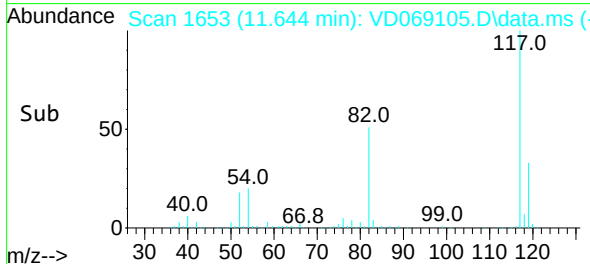
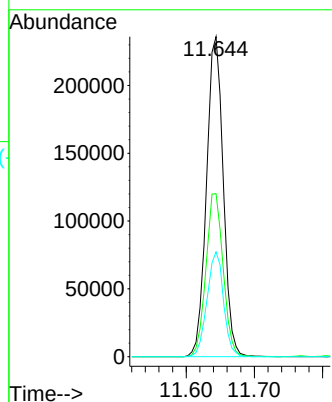
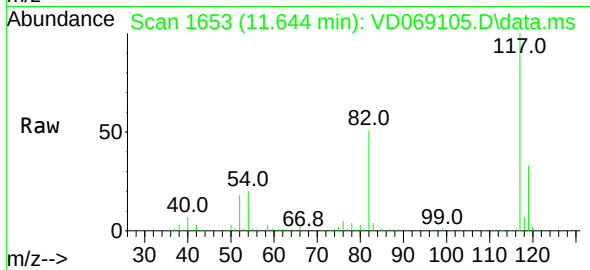




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

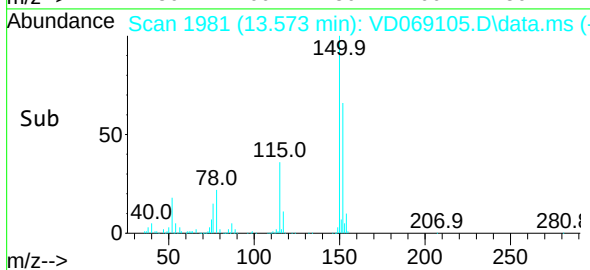
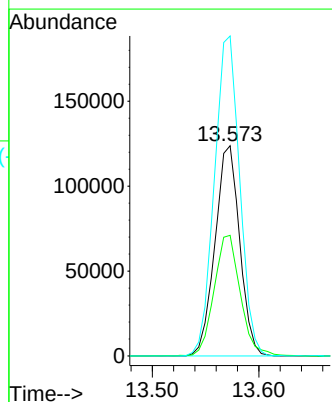
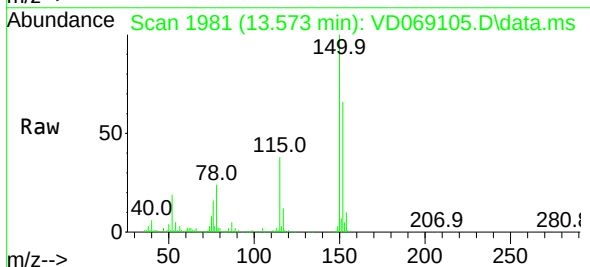
Instrument :
MSVOA_D
ClientSampleId :
SB-1

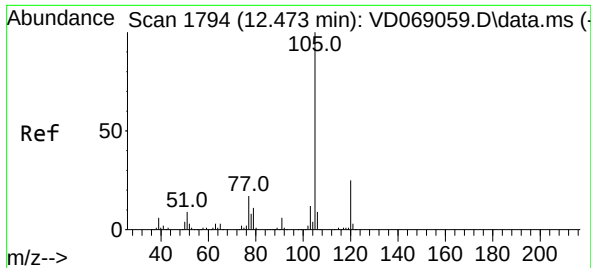
Tgt Ion:117 Resp: 403615
Ion Ratio Lower Upper
117 100
82 51.0 45.4 68.2
119 32.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion:152 Resp: 199092
Ion Ratio Lower Upper
152 100
115 61.2 30.5 91.5
150 156.0 0.0 340.8

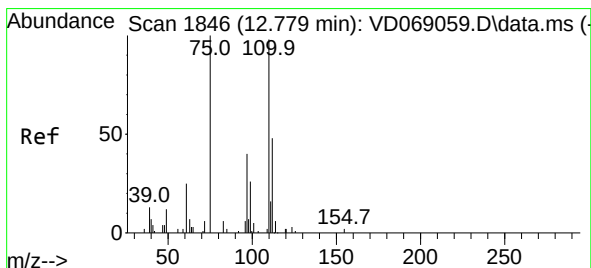
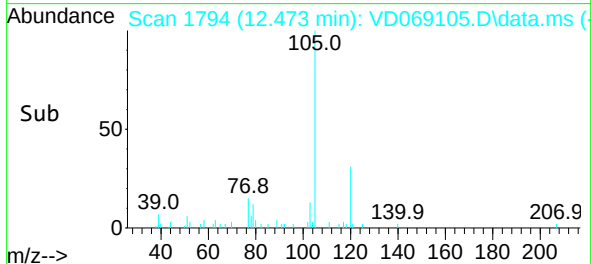
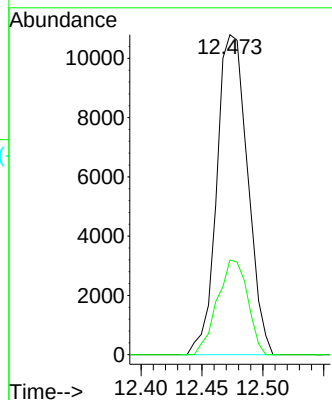
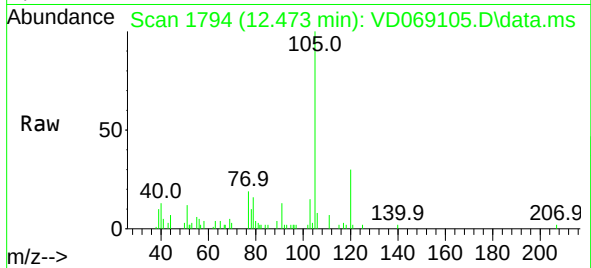




#73
Isopropylbenzene
Concen: 1.38 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

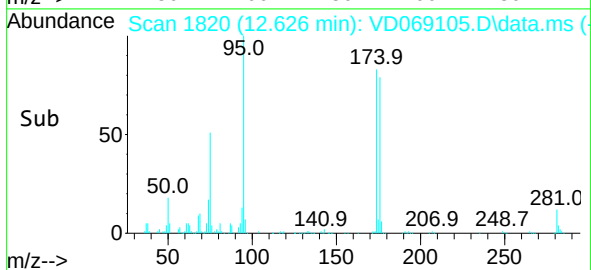
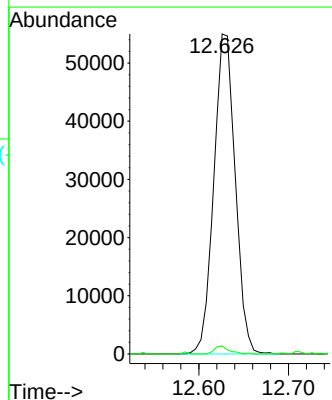
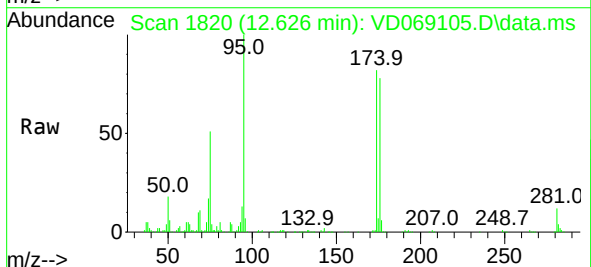
Instrument :
MSVOA_D
ClientSampleId :
SB-1

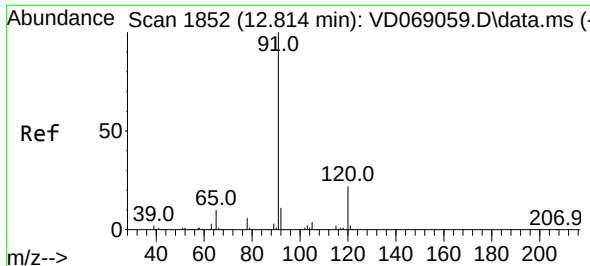
Tgt Ion:105 Resp: 18985
Ion Ratio Lower Upper
105 100
120 29.1 13.1 39.1



#76
1,2,3-Trichloropropane
Concen: 52.62 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion: 75 Resp: 91194
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

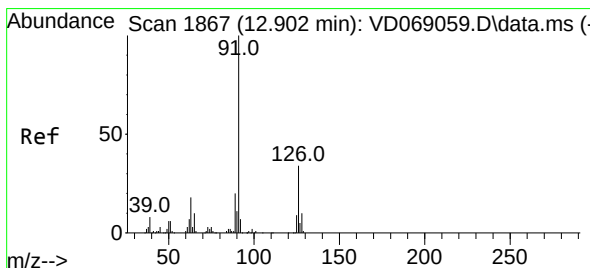
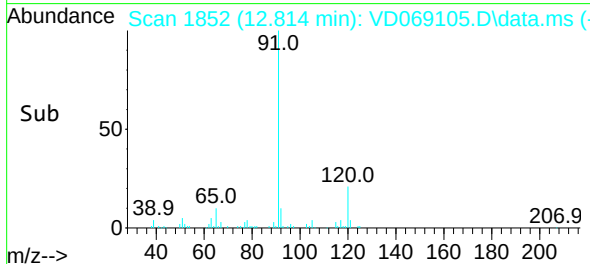
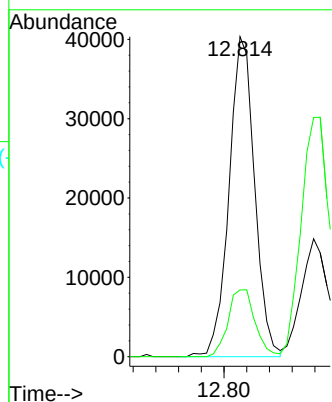
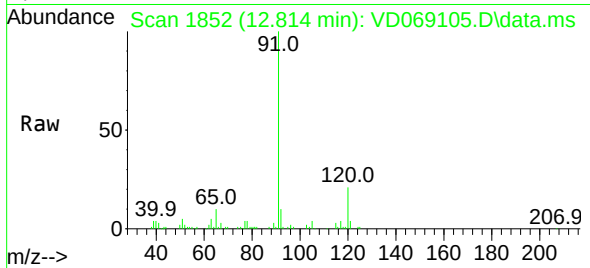




#78
n-propylbenzene
Concen: 3.72 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

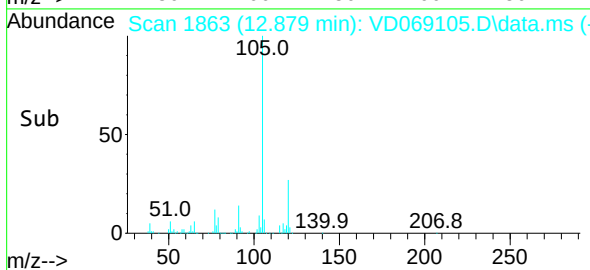
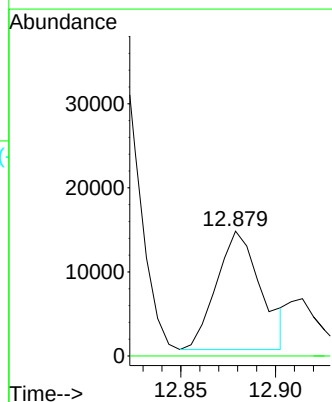
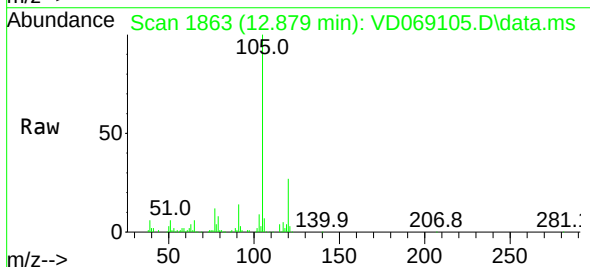
Instrument :
MSVOA_D
ClientSampleId :
SB-1

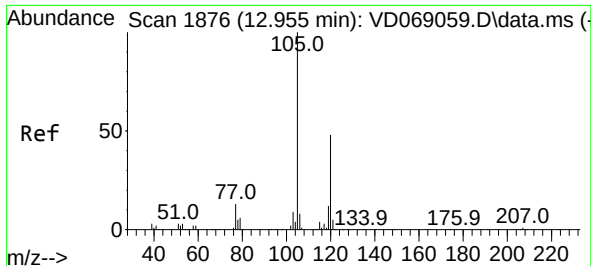
Tgt Ion: 91 Resp: 62978
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.8



#79
2-Chlorotoluene
Concen: 2.44 ug/l
RT: 12.879 min Scan# 1863
Delta R.T. -0.023 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion: 91 Resp: 23033
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

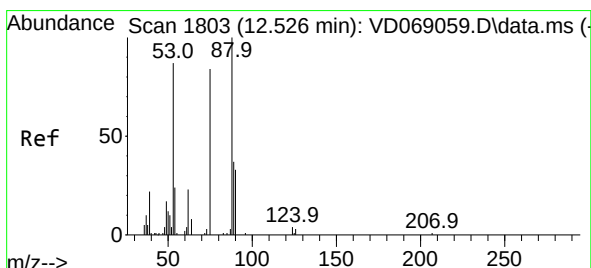
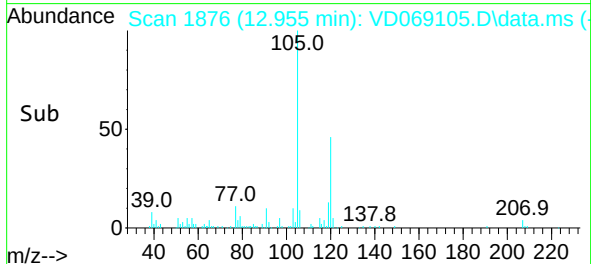
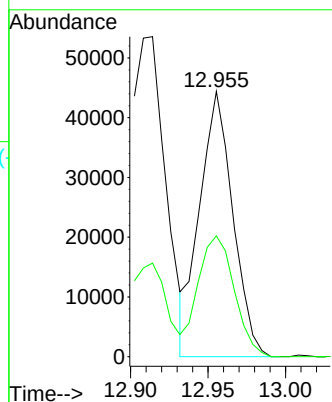
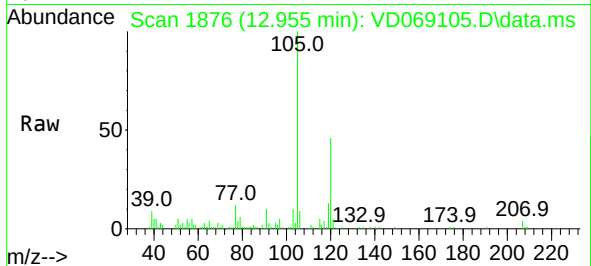




#80
1,3,5-Trimethylbenzene
Concen: 5.64 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

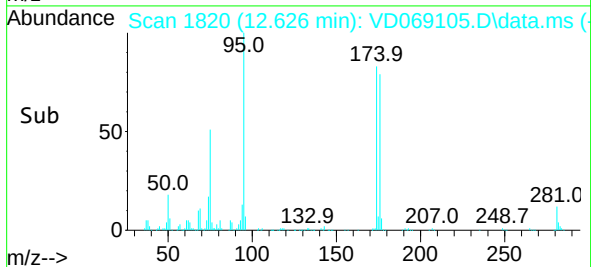
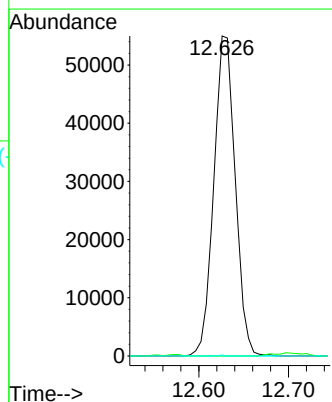
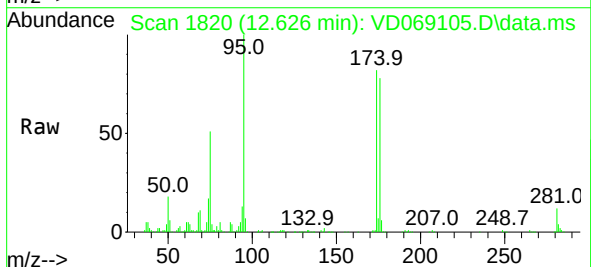
Instrument :
MSVOA_D
ClientSampleId :
SB-1

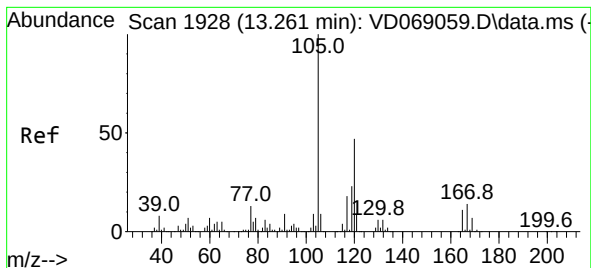
Tgt Ion:105 Resp: 66156
Ion Ratio Lower Upper
105 100
120 49.8 24.2 72.6



#81
trans-1,4-Dichloro-2-butene
Concen: 114.49 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Tgt Ion: 75 Resp: 91194
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.1 37.8 56.8#

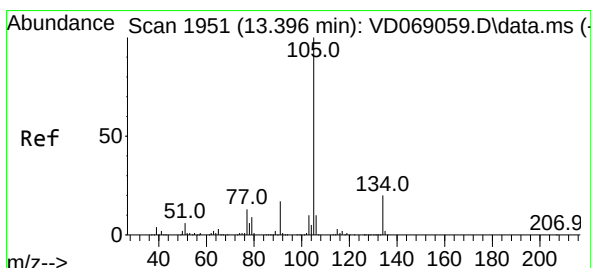
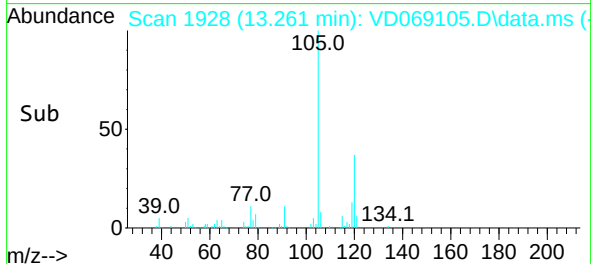
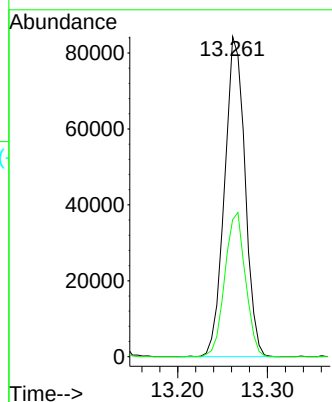
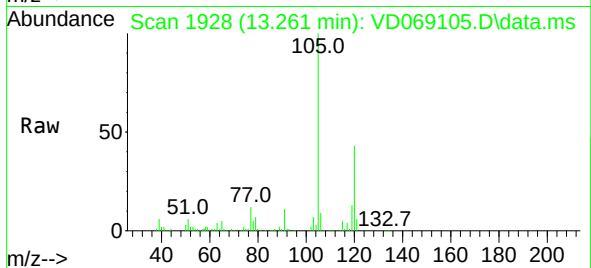




#84
1,2,4-Trimethylbenzene
Concen: 11.38 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

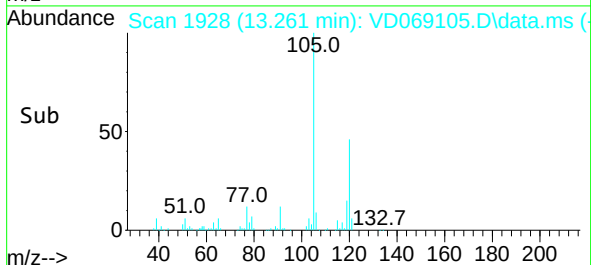
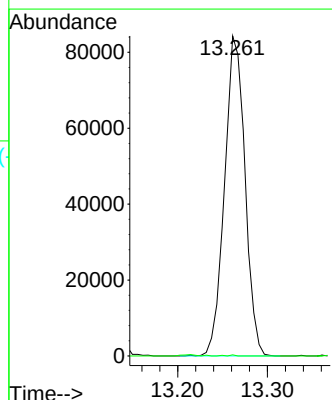
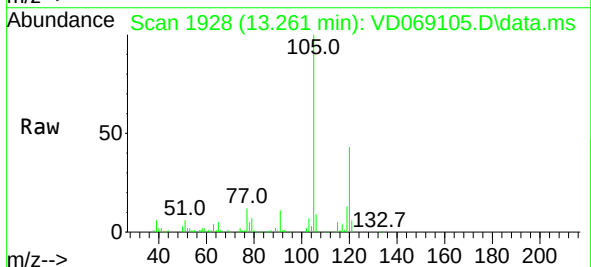
Instrument :
MSVOA_D
ClientSampleId :
SB-1

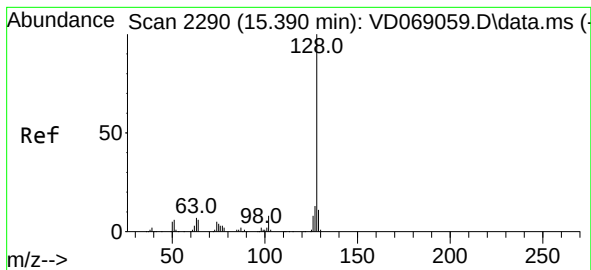
Tgt Ion:105 Resp: 133440
Ion Ratio Lower Upper
105 100
120 45.4 22.5 67.5



#85
sec-Butylbenzene
Concen: 9.64 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.135 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

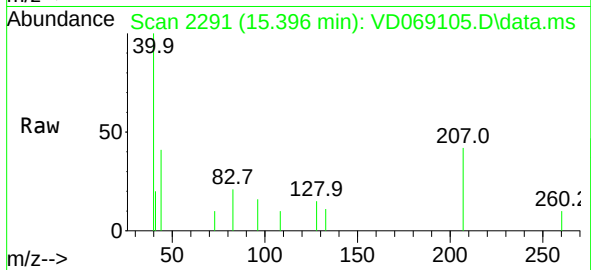
Tgt Ion:105 Resp: 133440
Ion Ratio Lower Upper
105 100
134 0.1 9.8 29.4#





#95
Naphthalene
Concen: 2.86 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069105.D
Acq: 07 May 2021 16:23

Instrument :
MSVOA_D
ClientSampleId :
SB-1



Tgt Ion:128 Resp: 231
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

