

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
 Data File : VD069340.D
 Acq On : 04 Jun 2021 12:04
 Operator : VA/SY
 Sample : VD0604SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBL01

Quant Time: Jun 05 00:33:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

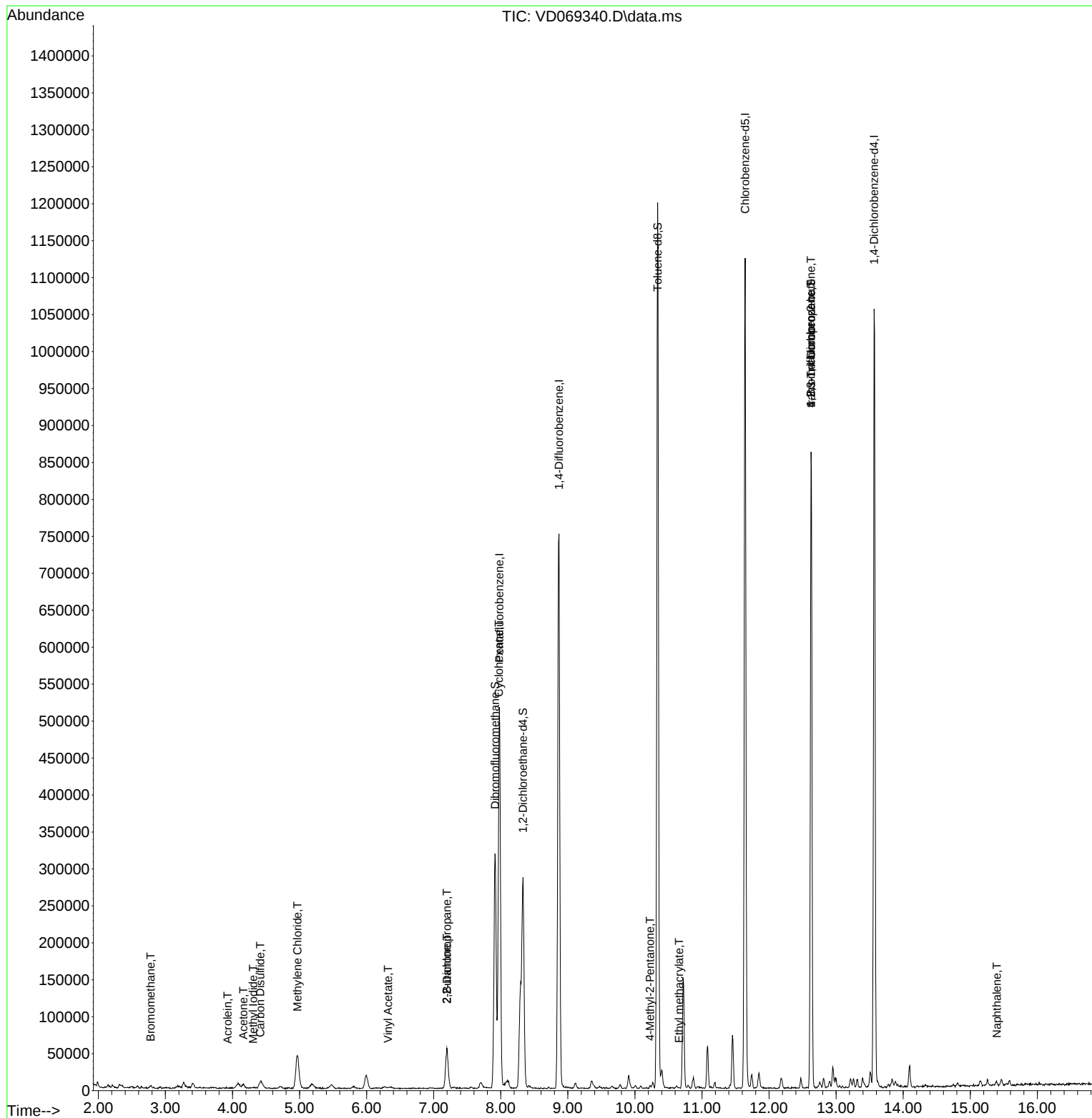
Internal Standards						
1) Pentafluorobenzene	7.979	168	384542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	689739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	670026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	215904	58.514	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.020%			
35) Dibromofluoromethane	7.914	113	227950	52.627	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.260%			
50) Toluene-d8	10.338	98	853203	54.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.340%			
62) 4-Bromofluorobenzene	12.626	95	270006	52.316	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.640%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	2304	1.014	ug/l #	63
10) Methyl Iodide	4.308	142	2664	3.092	ug/l #	65
11) Tert butyl alcohol	5.202	59	3659	Below Cal	#	78
13) Acrolein	3.926	56	67	17.398	ug/l #	16
16) Acetone	4.161	43	8934	13.875	ug/l	90
17) Carbon Disulfide	4.414	76	14502	1.137	ug/l #	95
20) Methylene Chloride	4.967	84	37866	1.477	ug/l	93
23) Vinyl Acetate	6.320	43	2583	12.043	ug/l #	67
25) 2-Butanone	7.197	43	1779	2.100	ug/l #	79
26) 2,2-Dichloropropane	7.197	77	7011	1.017	ug/l #	51
31) Cyclohexane	7.973	56	11079	1.890	ug/l #	38
51) 4-Methyl-2-Pentanone	10.226	43	2166	1.012	ug/l #	83
56) Ethyl methacrylate	10.661	69	714	2.799	ug/l #	83
76) 1,2,3-Trichloropropane	12.626	75	133045	51.497	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	133045	114.118	ug/l #	18
95) Naphthalene	15.396	128	5415	3.800	ug/l #	89

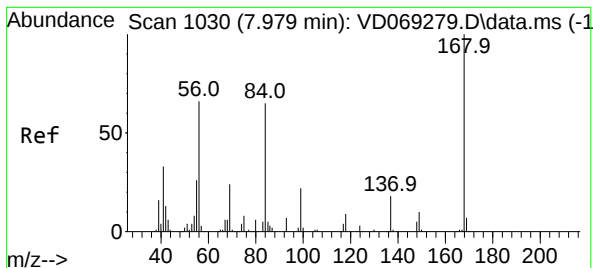
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

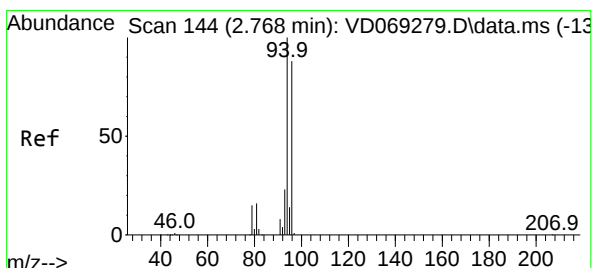
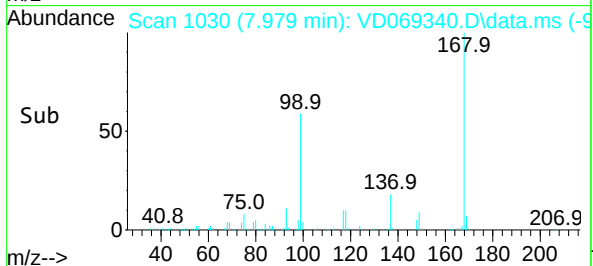
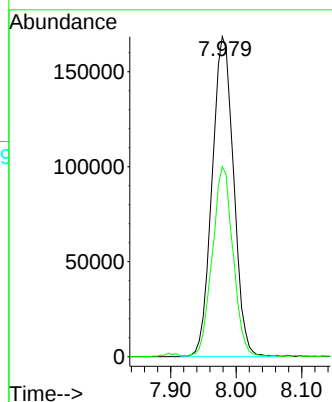
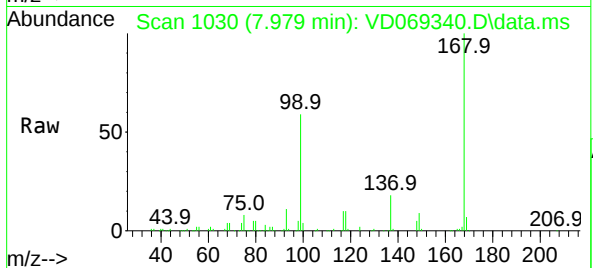




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

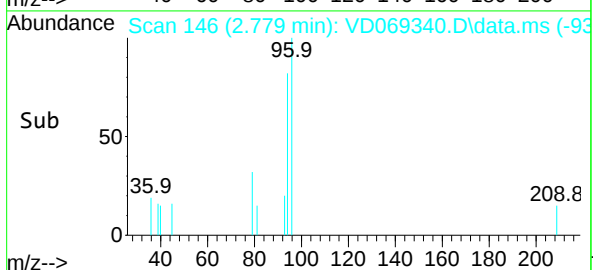
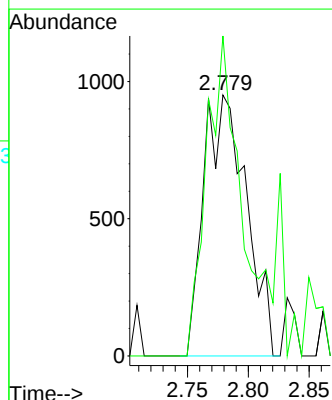
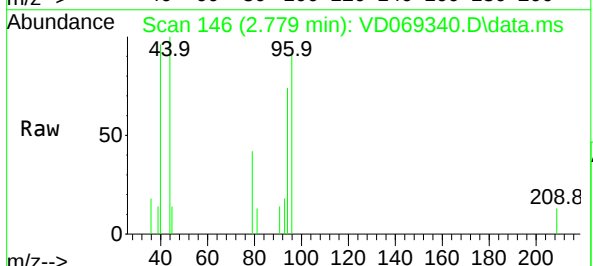
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

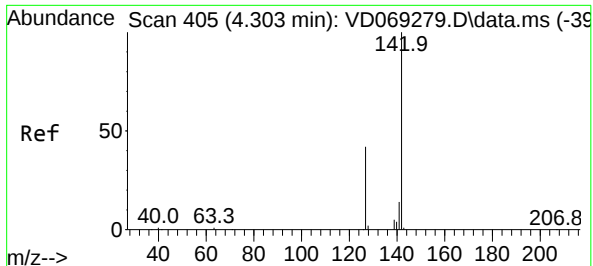
Tgt Ion:168 Resp: 384542
Ion Ratio Lower Upper
168 100
99 59.3 46.2 69.2



#5
Bromomethane
Concen: 1.014 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

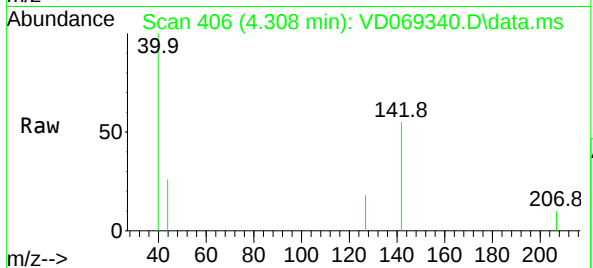
Tgt Ion: 94 Resp: 2304
Ion Ratio Lower Upper
94 100
96 122.6 70.3 105.5#



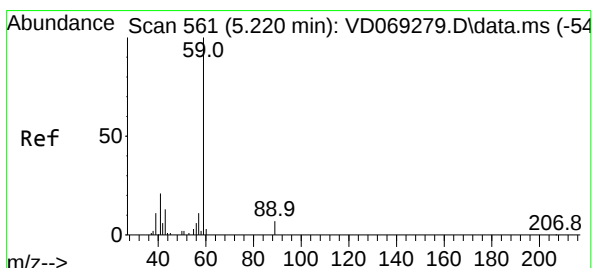
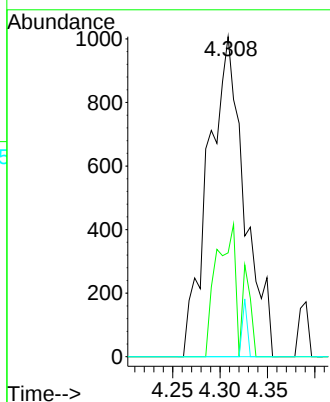
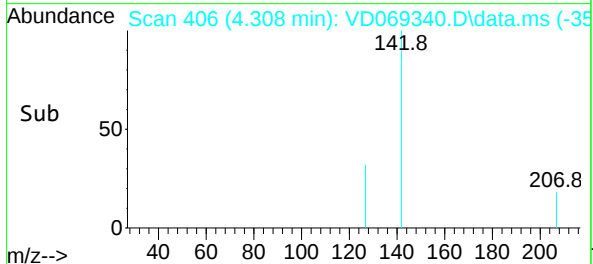


#10
Methyl Iodide
Concen: 3.092 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

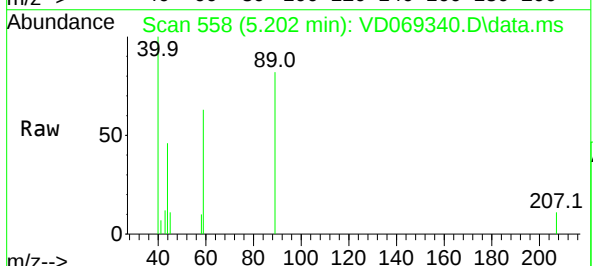
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01



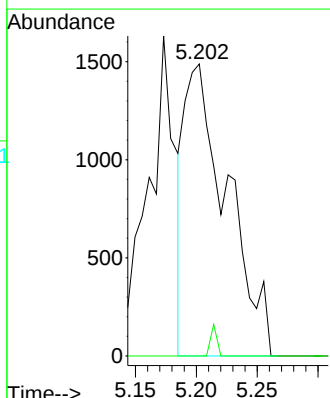
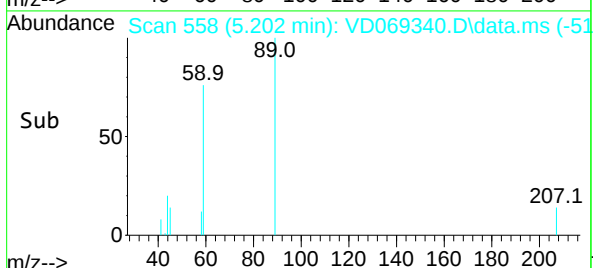
Tgt Ion:142 Resp: 2664
Ion Ratio Lower Upper
142 100
127 21.5 36.2 54.2#
141 2.4 12.2 18.2#

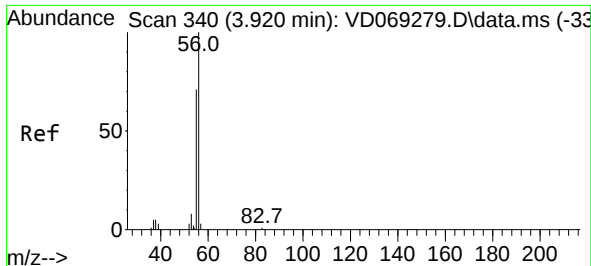


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.202 min Scan# 558
Delta R.T. -0.018 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04



Tgt Ion: 59 Resp: 3659
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.8#

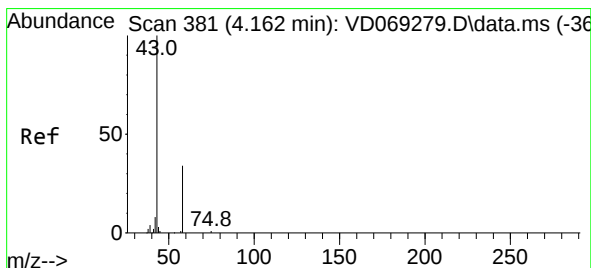
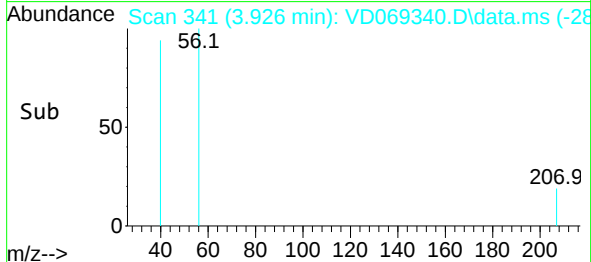
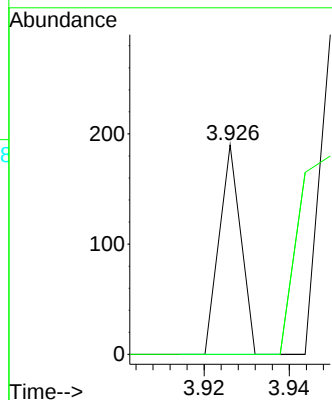
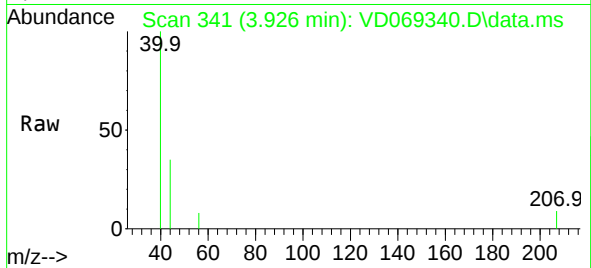




#13
Acrolein
Concen: 17.398 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

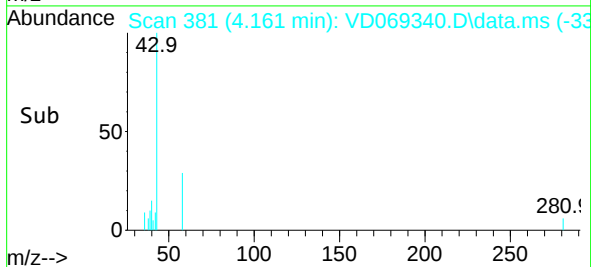
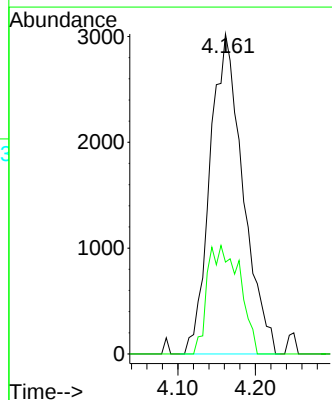
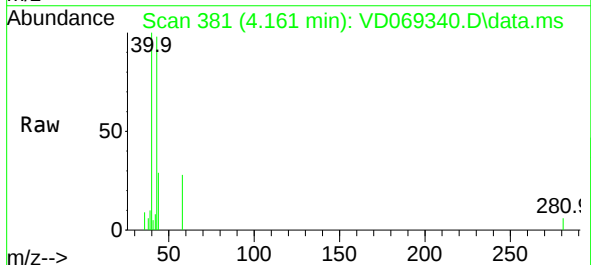
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

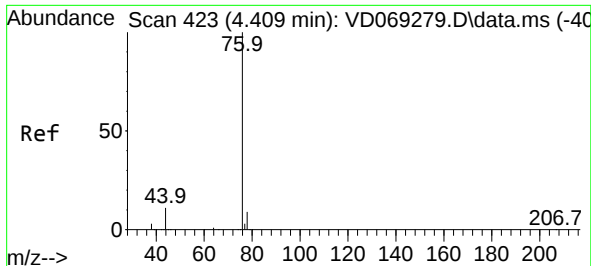
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#



#16
Acetone
Concen: 13.875 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

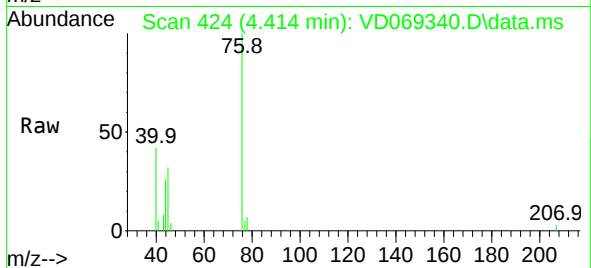
Tgt Ion: 43 Resp: 8934
Ion Ratio Lower Upper
43 100
58 28.7 27.5 41.3



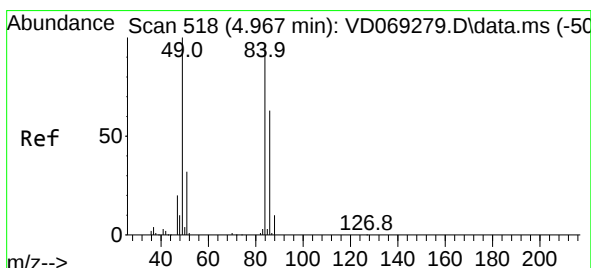
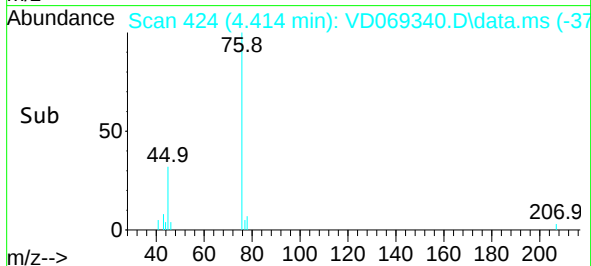
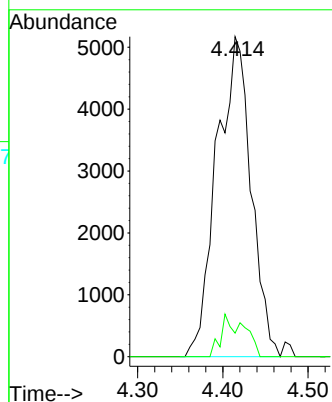


#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

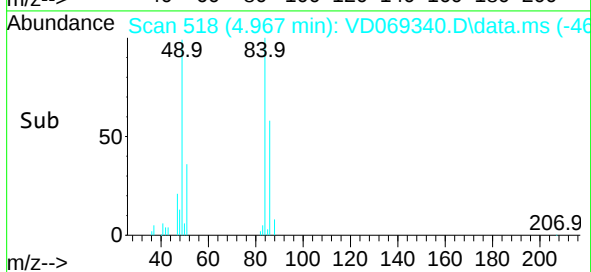
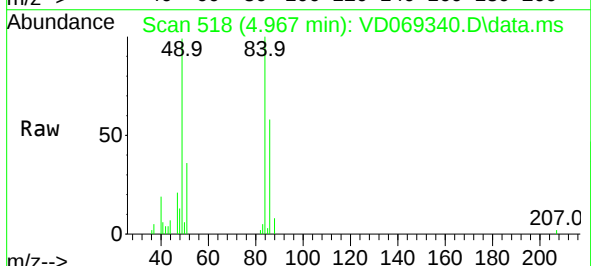
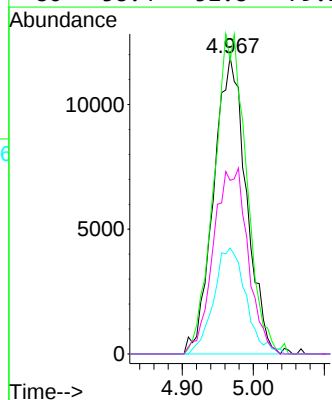


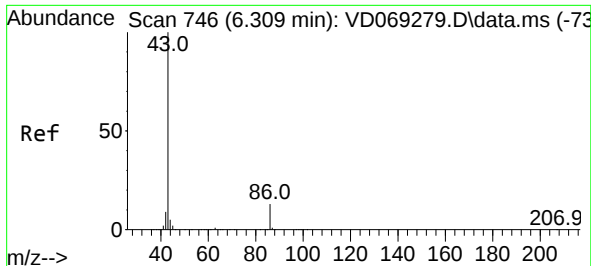
Tgt Ion: 76 Resp: 14502
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#



#20
Methylene Chloride
Concen: 1.477 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion: 84 Resp: 37866
Ion Ratio Lower Upper
84 100
49 98.7 83.7 125.5
51 35.7 26.4 39.6
86 58.4 52.8 79.2

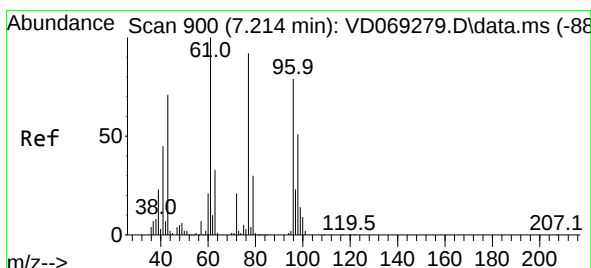
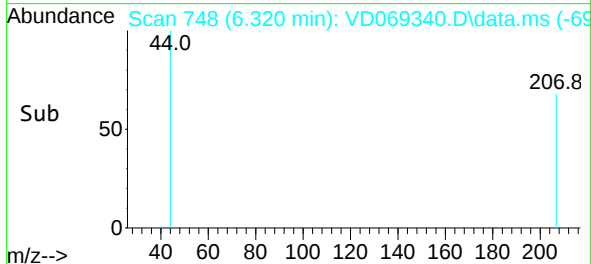
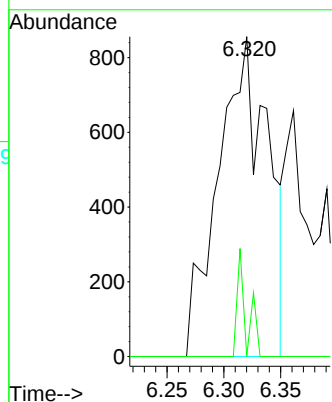
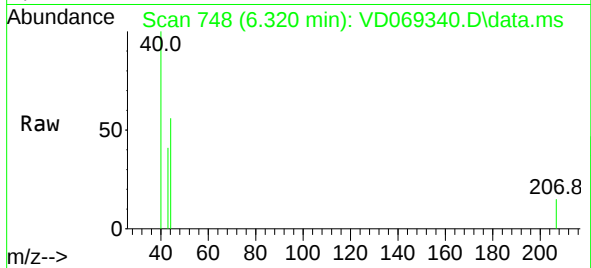




#23
 Vinyl Acetate
 Concen: 12.043 ug/l
 RT: 6.320 min Scan# 748
 Delta R.T. 0.011 min
 Lab File: VD069340.D
 Acq: 04 Jun 2021 12:04

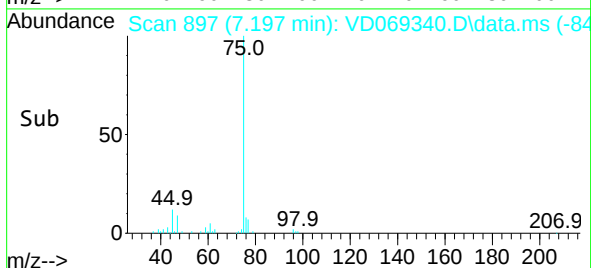
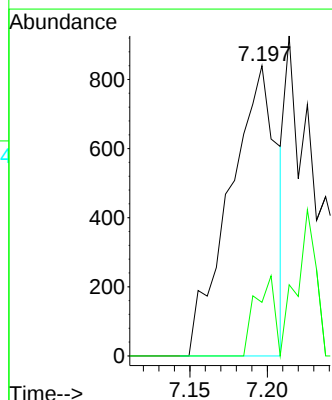
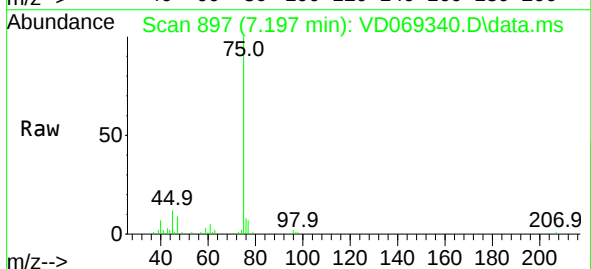
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBL01

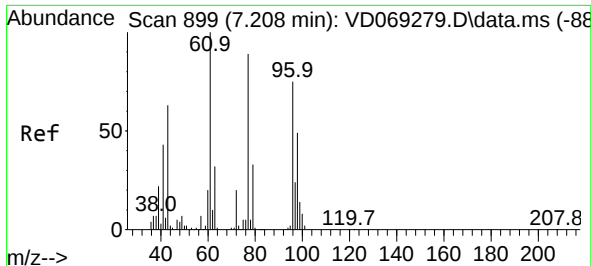
Tgt Ion: 43 Resp: 2583
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 2.100 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD069340.D
 Acq: 04 Jun 2021 12:04

Tgt Ion: 43 Resp: 1779
 Ion Ratio Lower Upper
 43 100
 72 18.5 23.9 35.9#

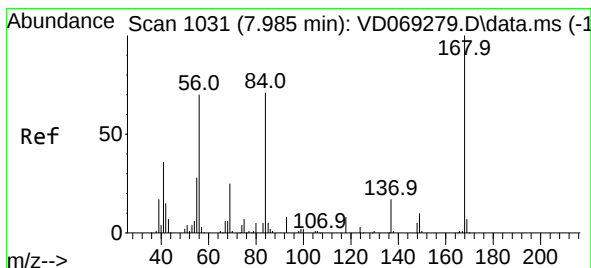
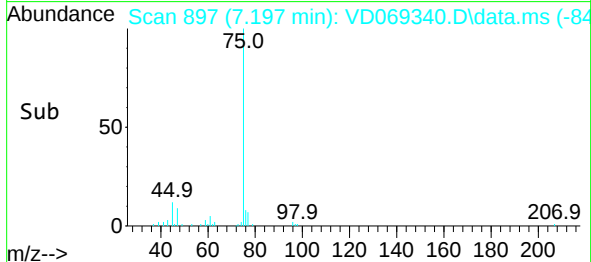
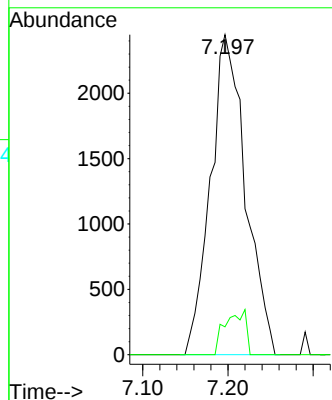
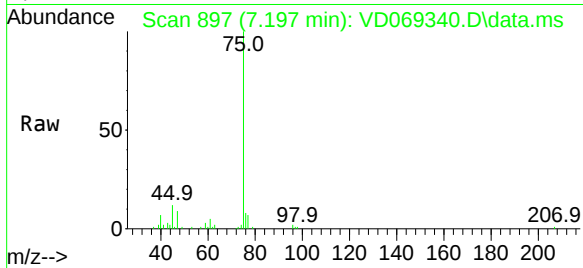




#26
2,2-Dichloropropane
Concen: 1.017 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

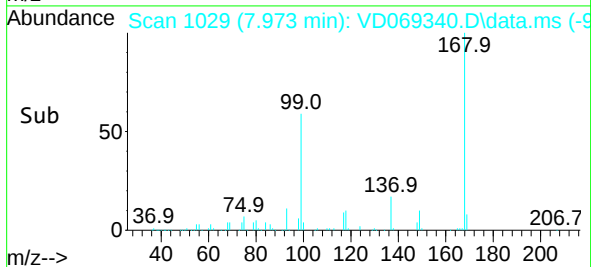
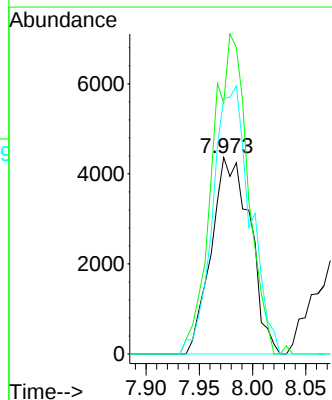
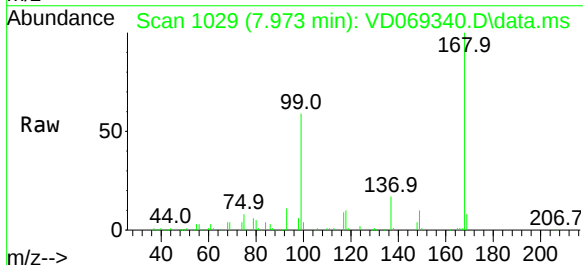
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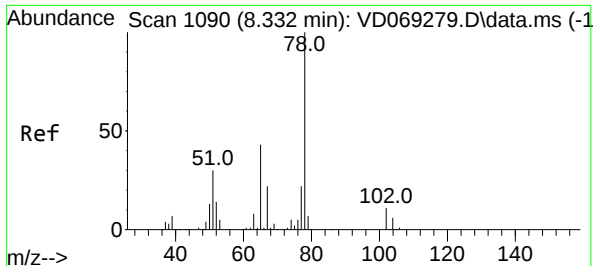
Tgt Ion: 77 Resp: 7011
Ion Ratio Lower Upper
77 100
97 0.0 12.1 36.3#



#31
Cyclohexane
Concen: 1.890 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion: 56 Resp: 11079
Ion Ratio Lower Upper
56 100
69 127.7 29.0 43.4#
84 130.1 81.1 121.7#

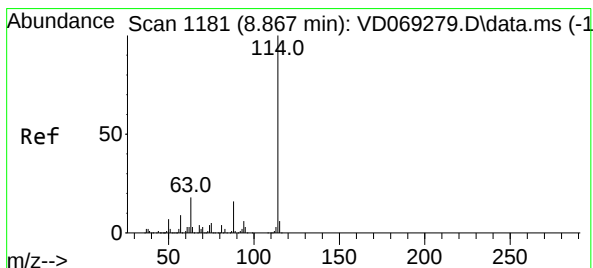
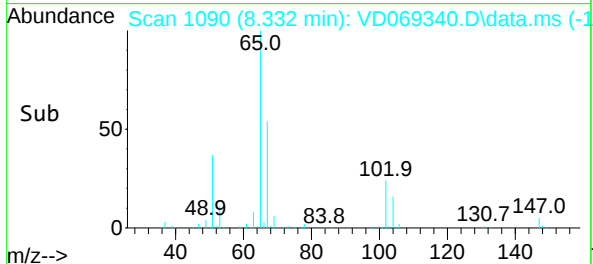
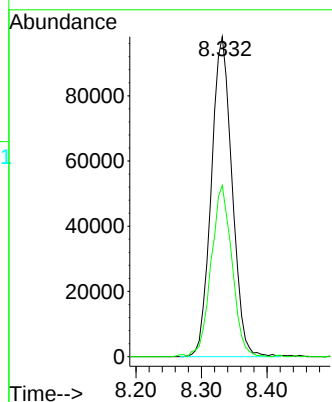
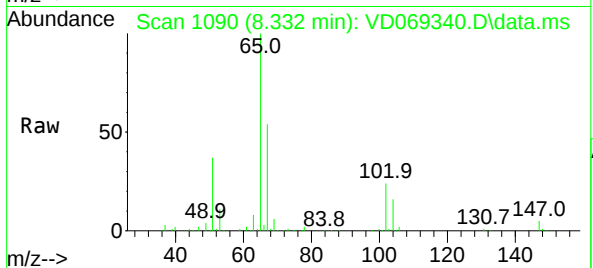




#33
1,2-Dichloroethane-d4
Concen: 58.514 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

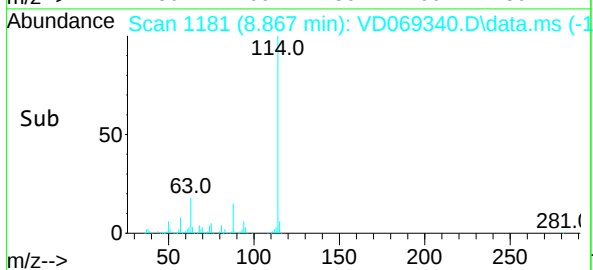
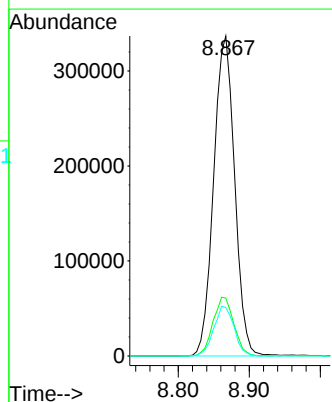
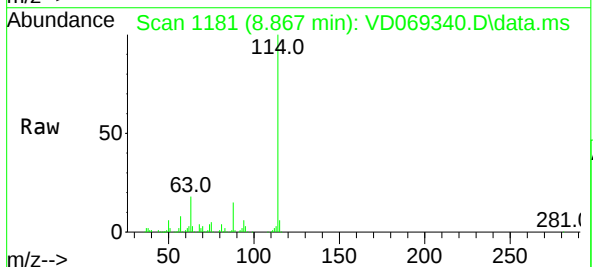
Instrument :
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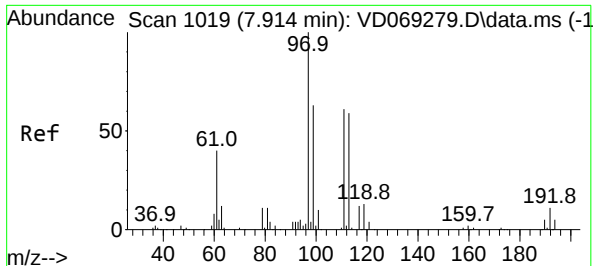
Tgt Ion: 65 Resp: 215904
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion:114 Resp: 689739
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.6
88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.627 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069340.D

Acq: 04 Jun 2021 12:04

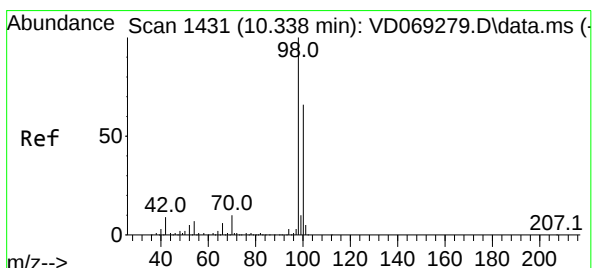
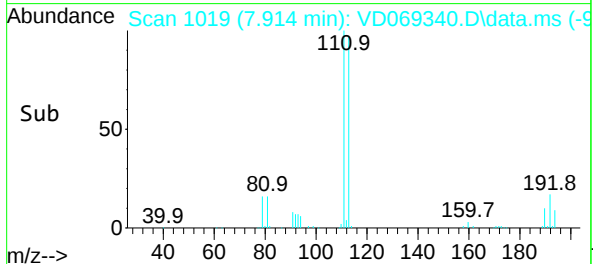
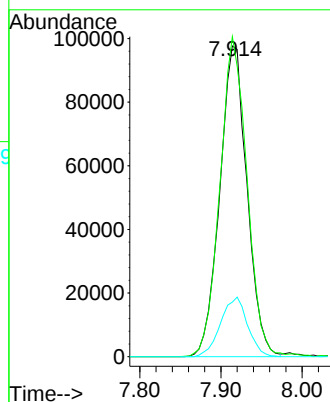
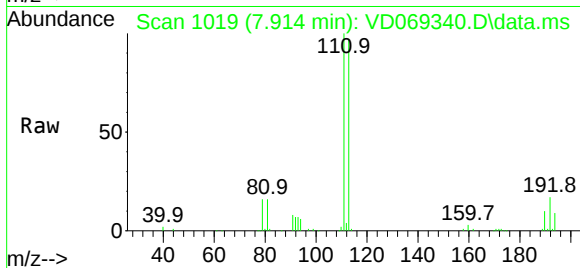
Tgt Ion:113 Resp: 227950

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

192 19.0 15.1 22.7



#50

Toluene-d8

Concen: 54.170 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069340.D

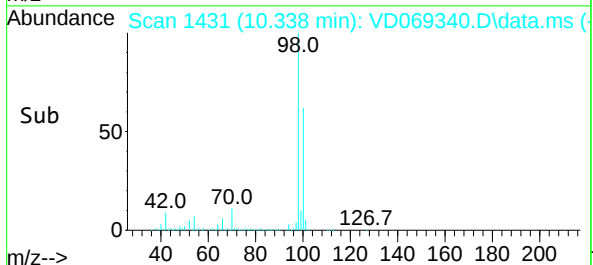
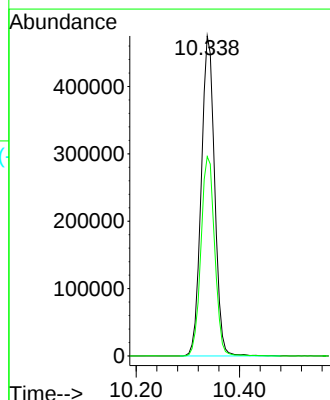
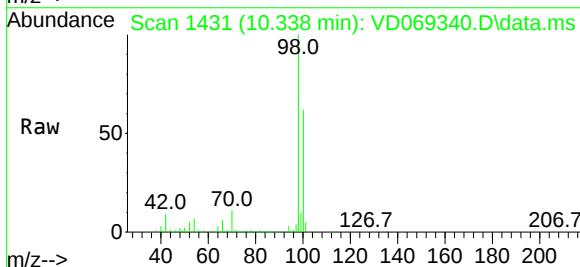
Acq: 04 Jun 2021 12:04

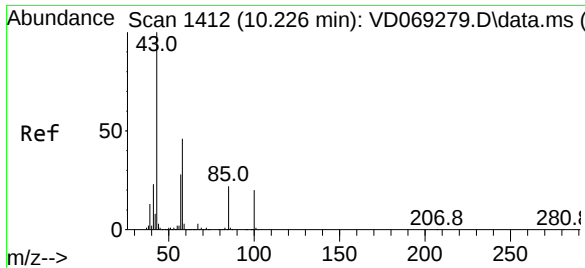
Tgt Ion: 98 Resp: 853203

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1

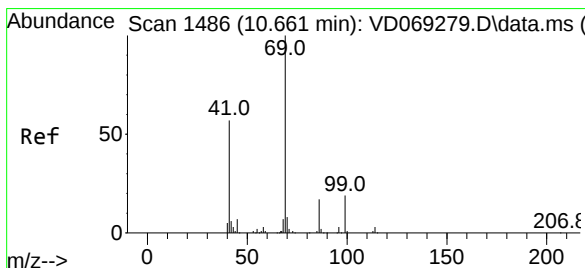
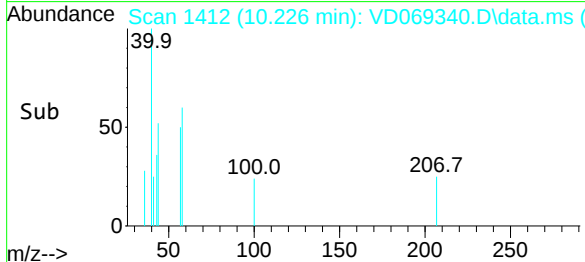
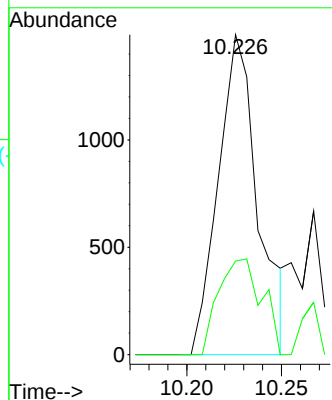
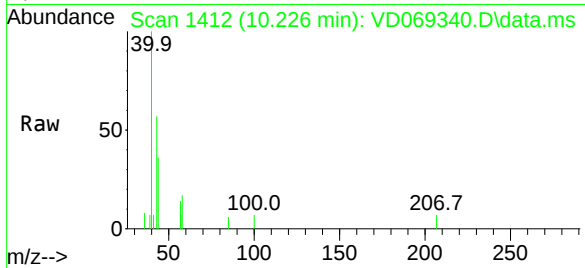




#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

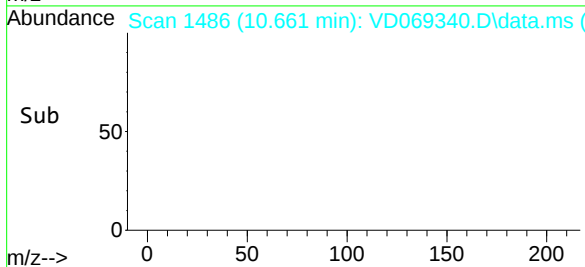
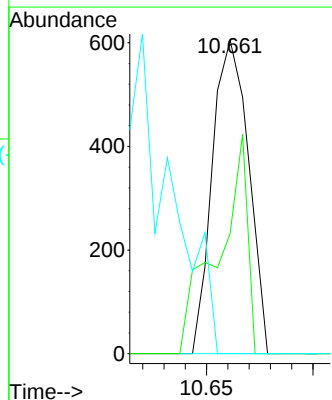
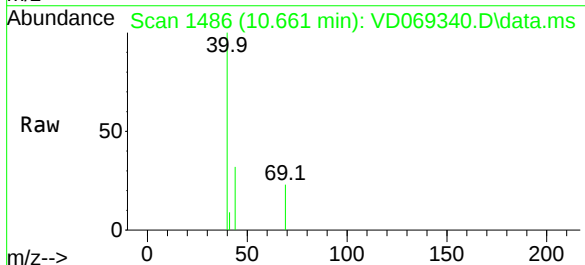
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

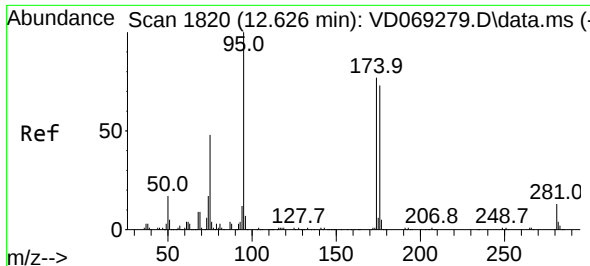
Tgt Ion: 43 Resp: 2166
Ion Ratio Lower Upper
43 100
58 32.7 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.799 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion: 69 Resp: 714
Ion Ratio Lower Upper
69 100
41 57.3 45.4 68.2
39 0.0 21.7 32.5#

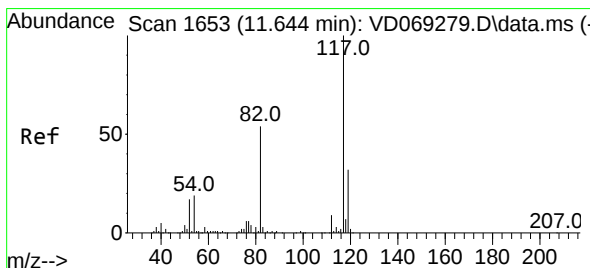
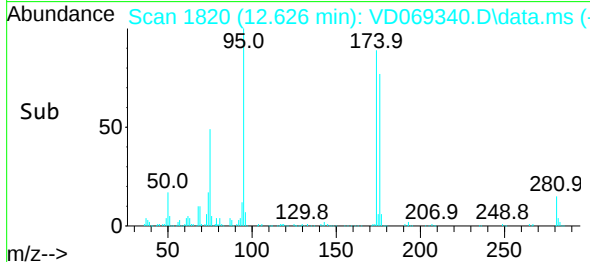
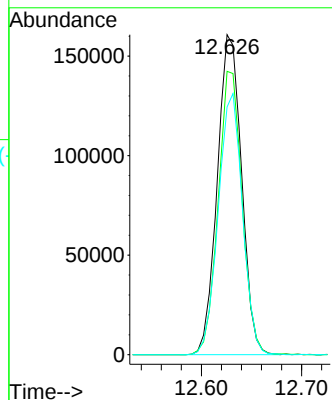
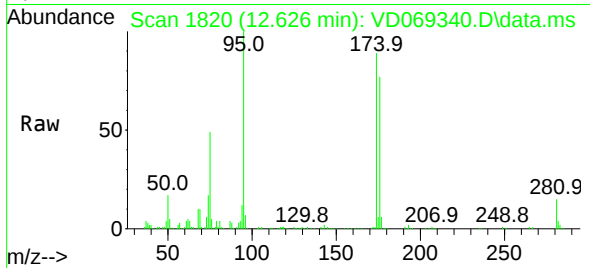




#62
4-Bromofluorobenzene
Concen: 52.316 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

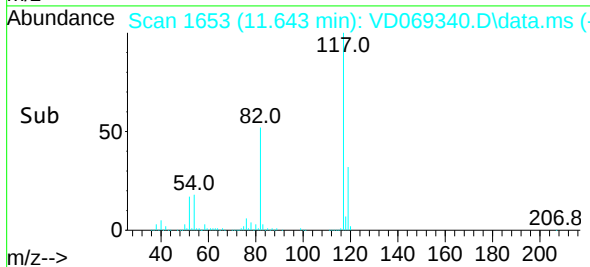
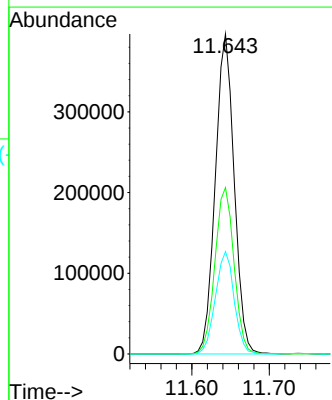
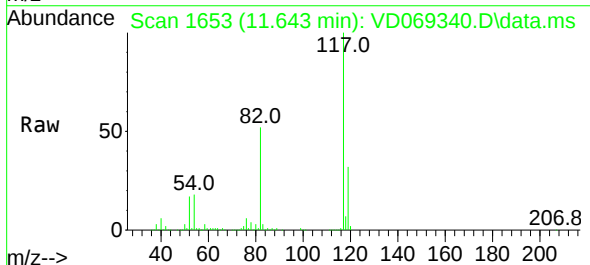
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

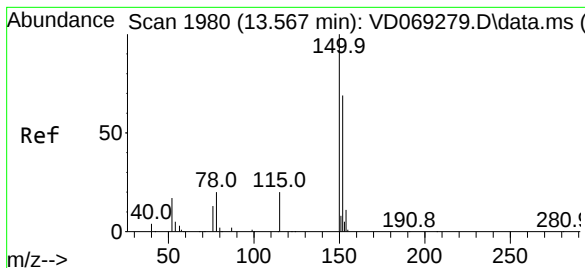
Tgt Ion: 95 Resp: 270006
Ion Ratio Lower Upper
95 100
174 87.1 0.0 162.8
176 81.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion: 117 Resp: 670026
Ion Ratio Lower Upper
117 100
82 52.0 43.3 64.9
119 32.0 25.3 37.9

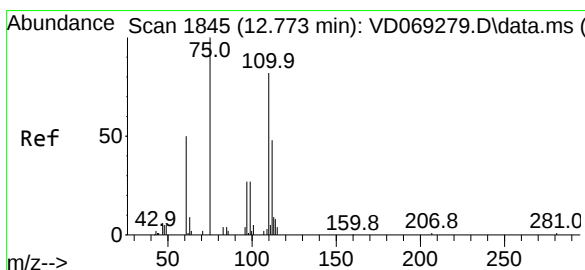
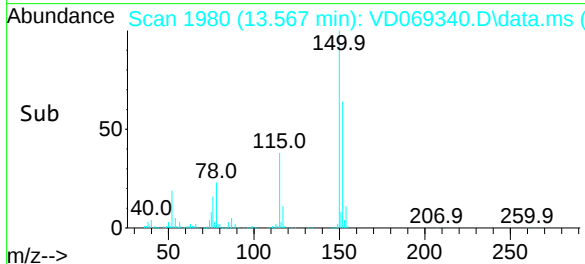
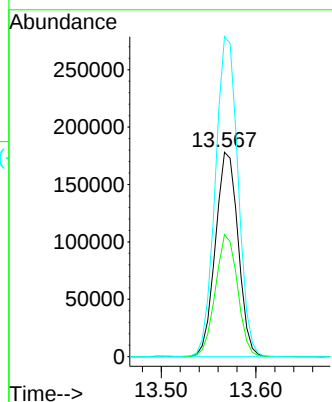
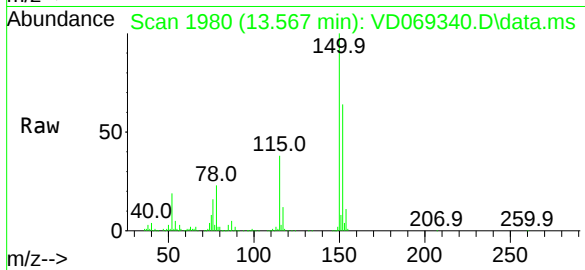




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069340.D
 Acq: 04 Jun 2021 12:04

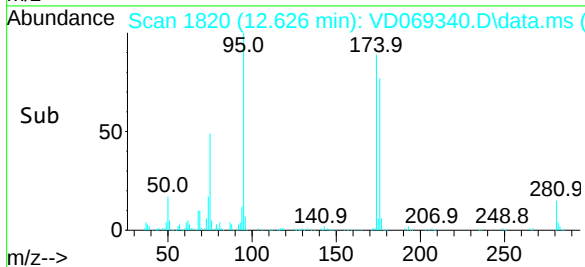
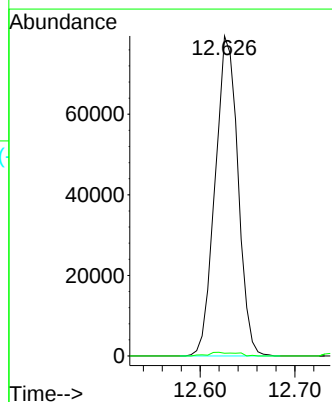
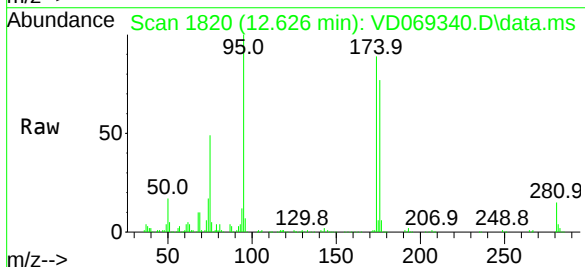
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBL01

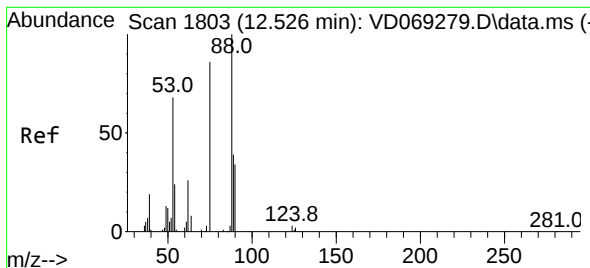
Tgt Ion:152 Resp: 297359
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.4 88.3
 150 156.7 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 51.497 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069340.D
 Acq: 04 Jun 2021 12:04

Tgt Ion: 75 Resp: 133045
 Ion Ratio Lower Upper
 75 100
 77 1.5 183.8 551.2#

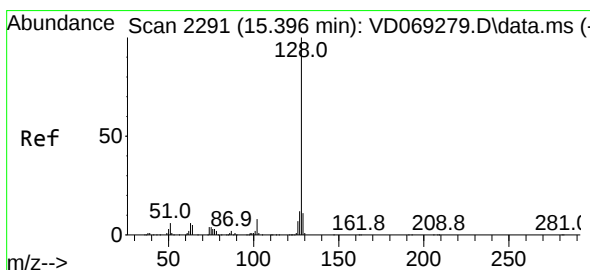
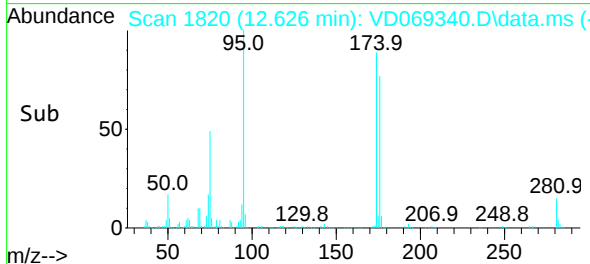
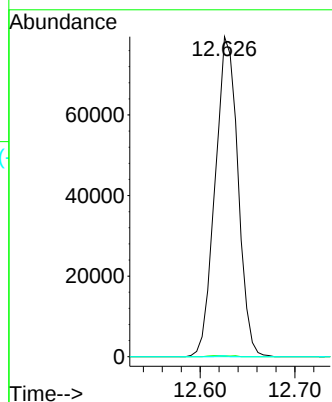
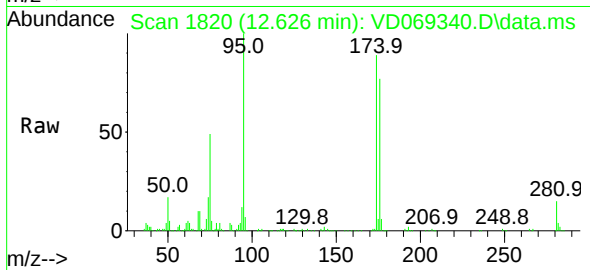




#81
trans-1,4-Dichloro-2-butene
Concen: 114.118 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBL01

Tgt Ion: 75 Resp: 133045
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.1 35.6 53.4#



#95
Naphthalene
Concen: 3.800 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069340.D
Acq: 04 Jun 2021 12:04

Tgt Ion:128 Resp: 5415
Ion Ratio Lower Upper
128 100
127 8.4 10.4 15.6#
129 14.9 8.8 13.2#

