

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060821\
 Data File : VD069392.D
 Acq On : 08 Jun 2021 16:15
 Operator : VA/SY
 Sample : M2634-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:10:01 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)

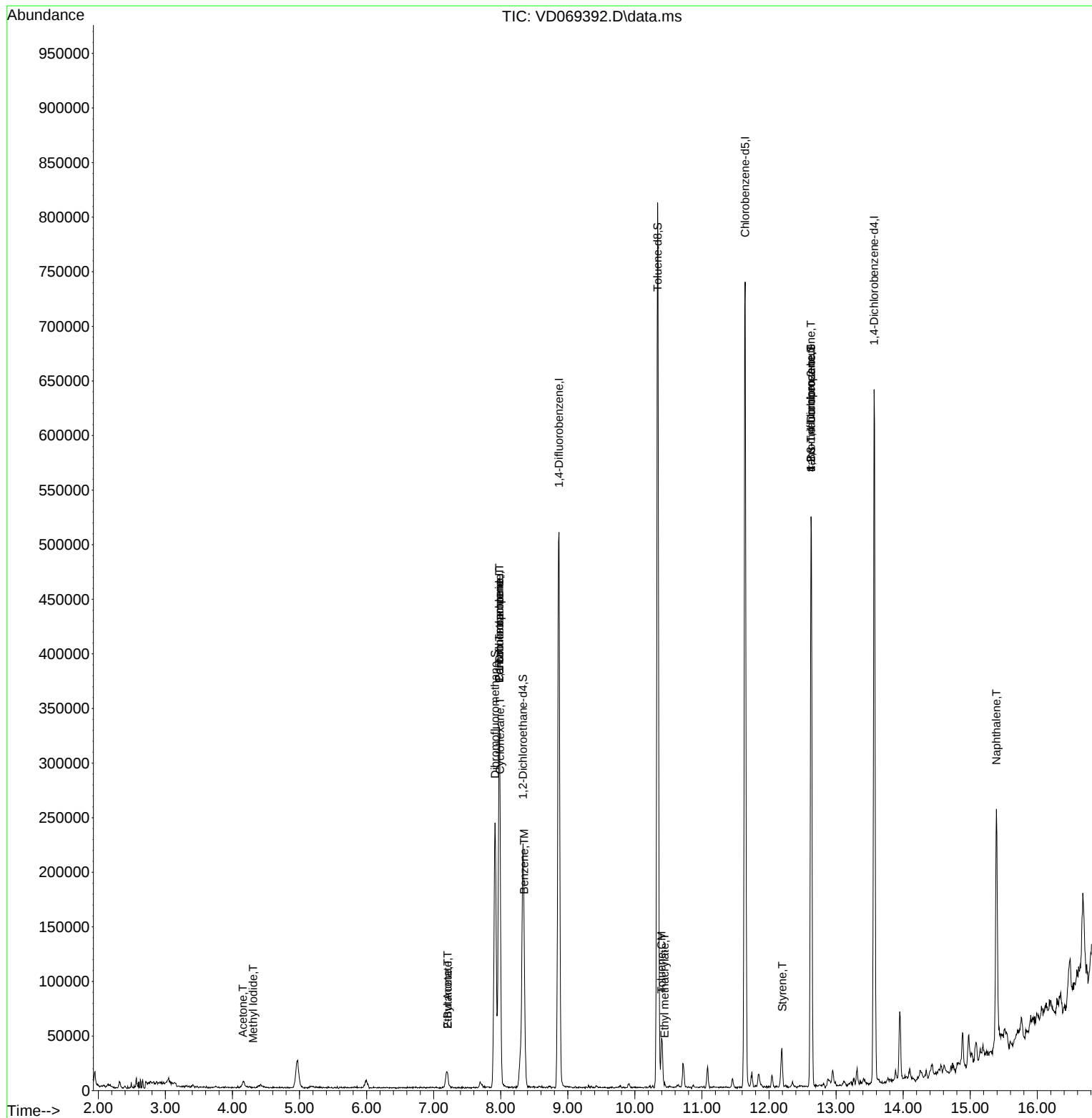
Internal Standards						
1) Pentafluorobenzene	7.979	168	248316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	463695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	453781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	177954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159561	66.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.940%			
35) Dibromofluoromethane	7.914	113	174695	59.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.980%			
50) Toluene-d8	10.338	98	577874	54.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.140%			
62) 4-Bromofluorobenzene	12.626	95	167912	48.395	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.780%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	66	2.533	ug/l #	39
11) Tert butyl alcohol	5.156	59	353	Below Cal	#	73
16) Acetone	4.156	43	10347	24.885	ug/l #	79
25) 2-Butanone	7.209	43	2508	4.584	ug/l #	45
31) Cyclohexane	7.991	56	5212	1.377	ug/l #	31
36) 1,1-Dichloropropene	7.979	75	19927	4.421	ug/l #	46
37) Ethyl Acetate	7.209	43	2508	1.639	ug/l #	48
38) Carbon Tetrachloride	7.979	117	25266	5.192	ug/l #	14
40) Benzene	8.350	78	50458	3.855	ug/l	100
52) Toluene	10.397	92	19054	2.306	ug/l	98
56) Ethyl methacrylate	10.444	69	67	2.660	ug/l #	1
70) Styrene	12.197	104	16856	1.759	ug/l	93
76) 1,2,3-Trichloropropane	12.626	75	82706	53.493	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	82706	118.540	ug/l #	18
95) Naphthalene	15.391	128	203169	34.549	ug/l	98

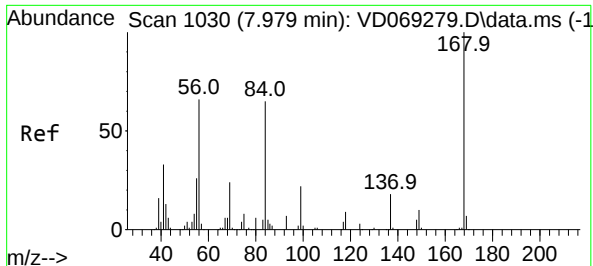
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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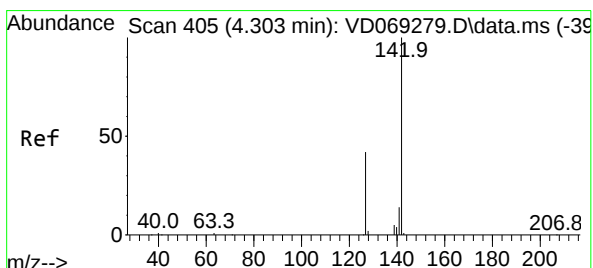
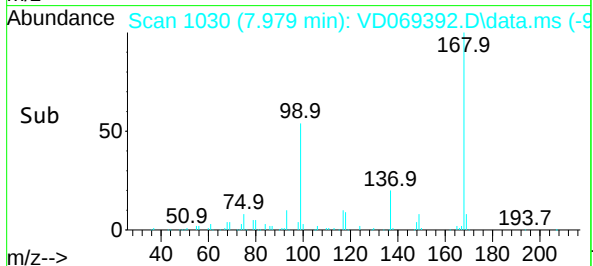
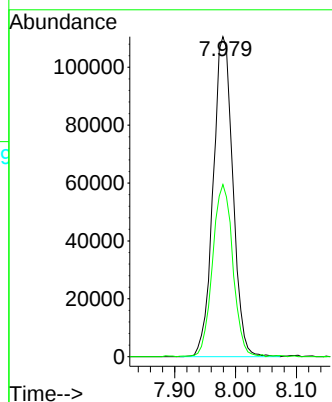
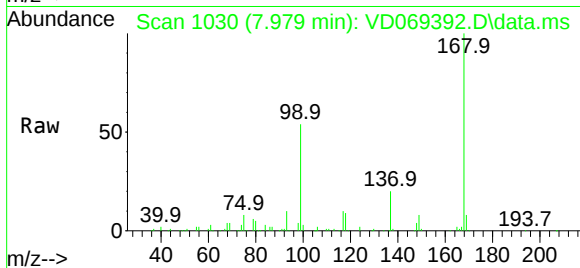




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

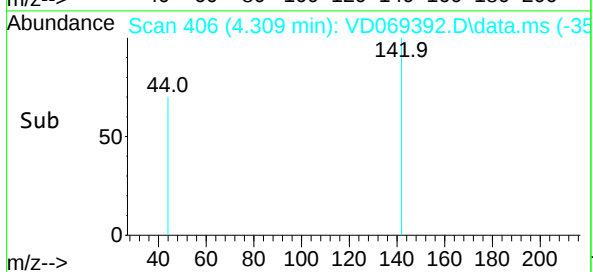
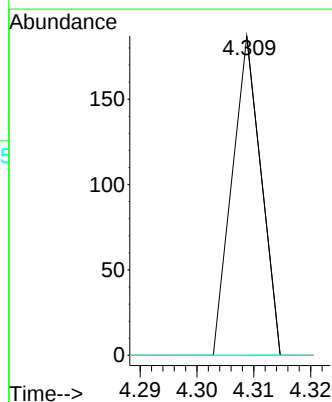
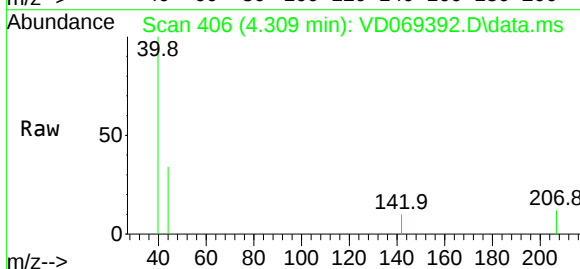
Instrument :
MSVOA_D
ClientSampled :

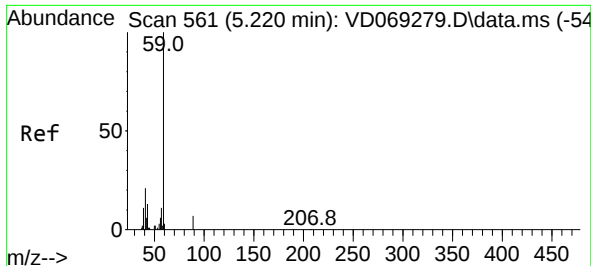
Tgt Ion:168 Resp: 248316
Ion Ratio Lower Upper
168 100
99 53.6 46.2 69.2



#10
Methyl Iodide
Concen: 2.533 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



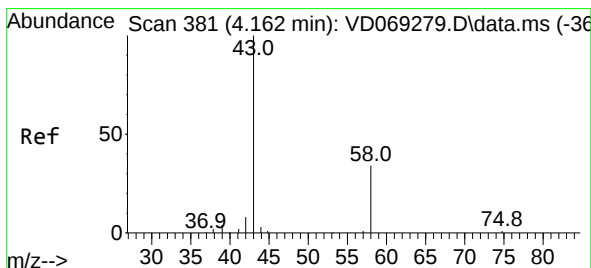
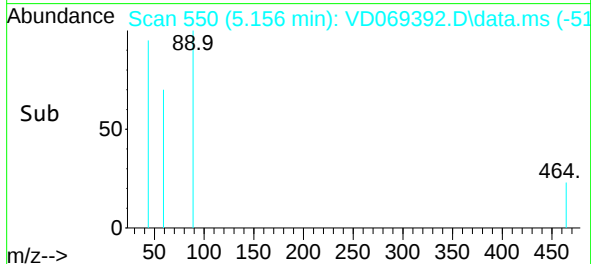
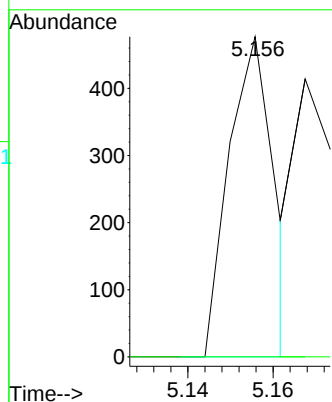
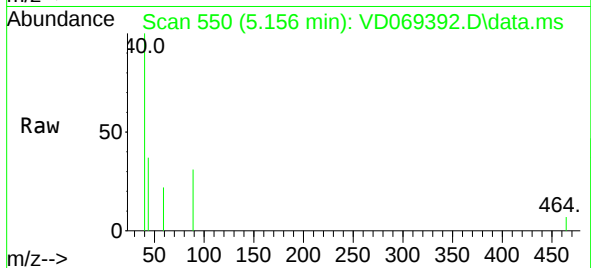


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.156 min Scan# 550
Delta R.T. -0.064 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Instrument :
MSVOA_D
ClientSampled :

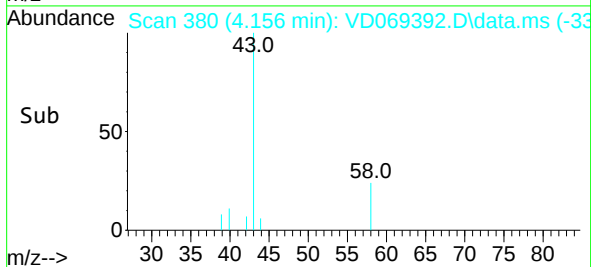
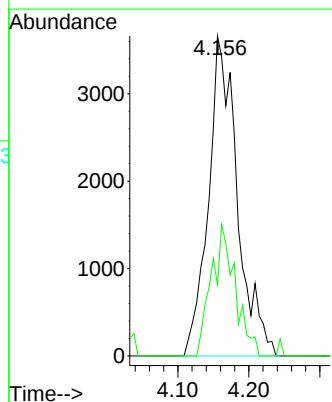
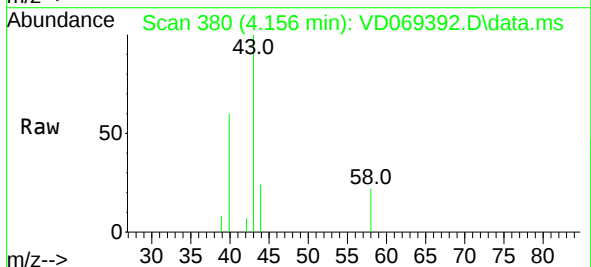
Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

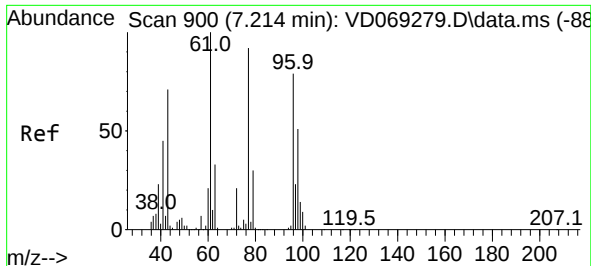


#16

Acetone
Concen: 24.885 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 43 Resp: 10347
Ion Ratio Lower Upper
43 100
58 22.4 27.5 41.3#

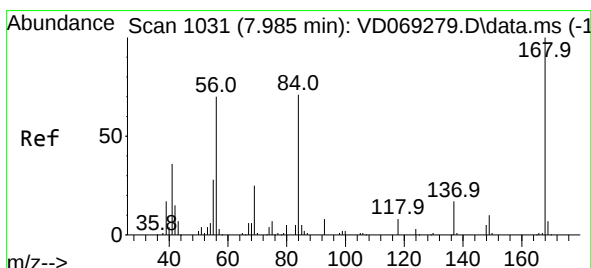
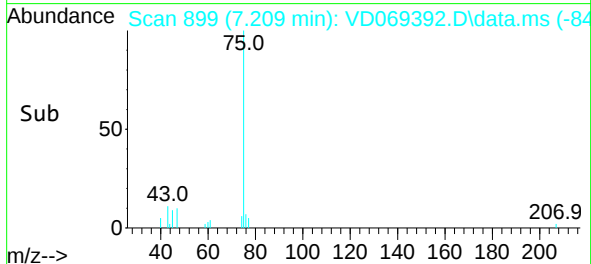
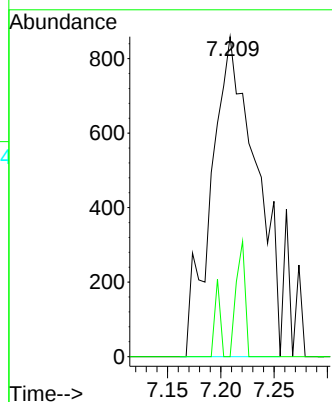
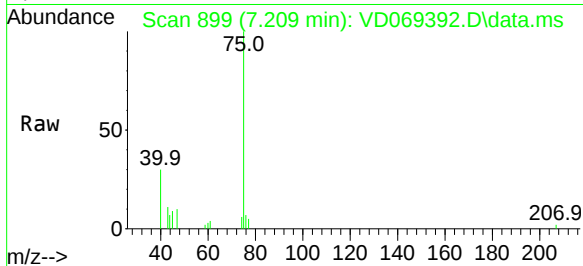




#25
2-Butanone
Concen: 4.584 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

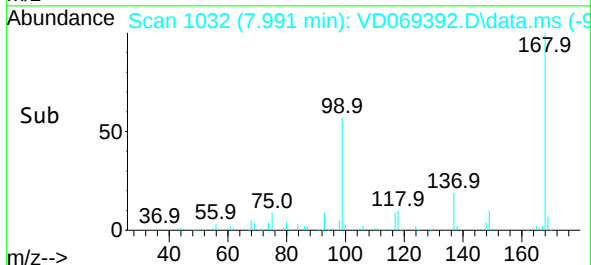
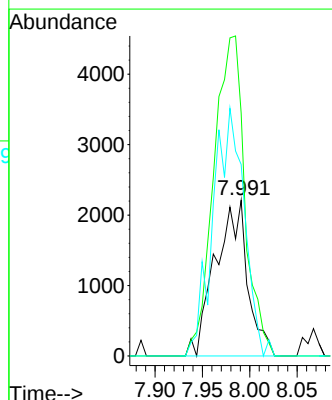
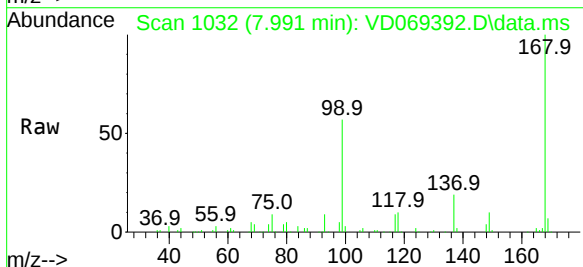
Instrument :
MSVOA_D
ClientSampled :

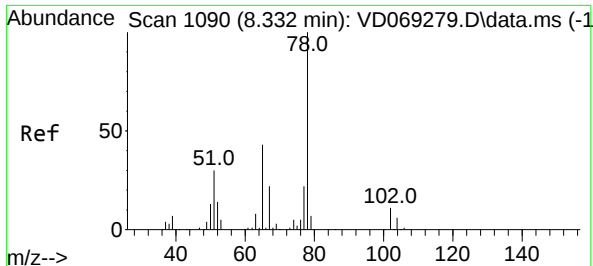
Tgt Ion: 43 Resp: 2508
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 56 Resp: 5212
Ion Ratio Lower Upper
56 100
69 156.0 29.0 43.4#
84 123.0 81.1 121.7#

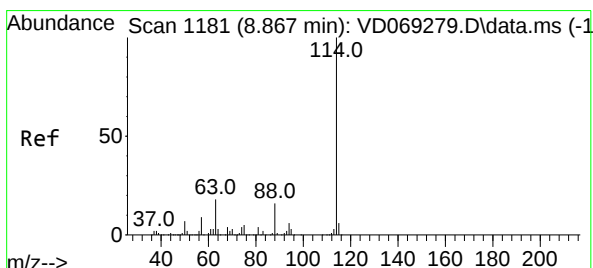
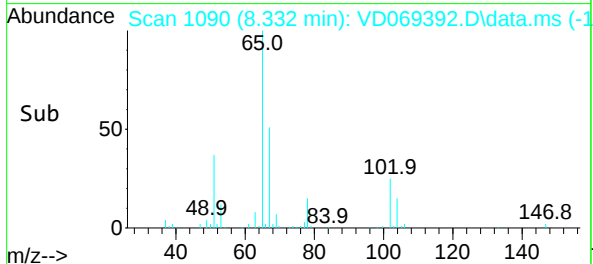
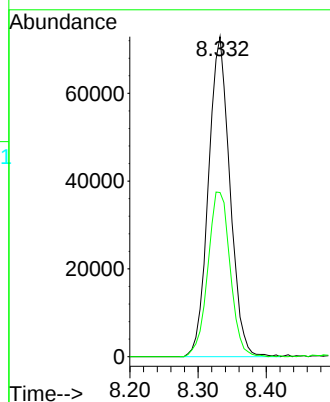
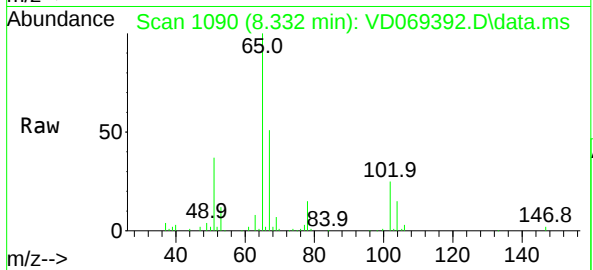




#33
1,2-Dichloroethane-d4
Concen: 66.968 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

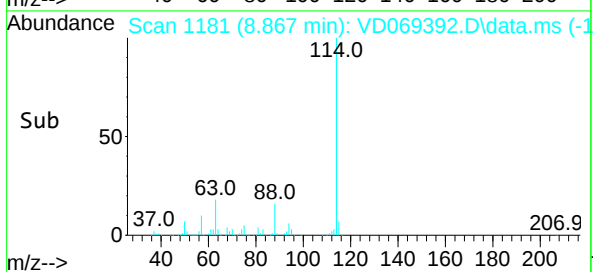
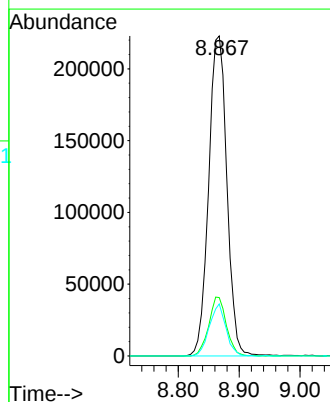
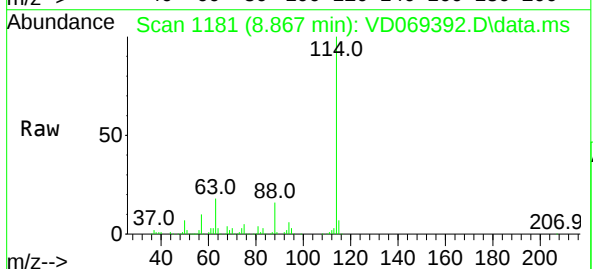
Instrument :
MSVOA_D
ClientSampleId :

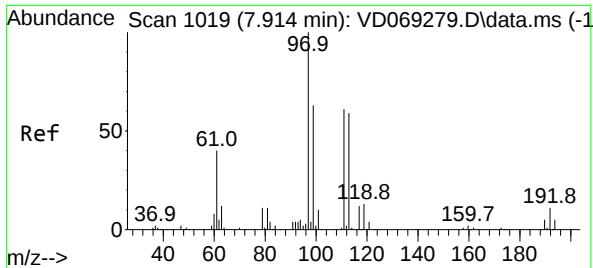
Tgt Ion: 65 Resp: 159561
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 114 Resp: 463695
Ion Ratio Lower Upper
114 100
63 18.3 0.0 35.6
88 16.3 0.0 31.2

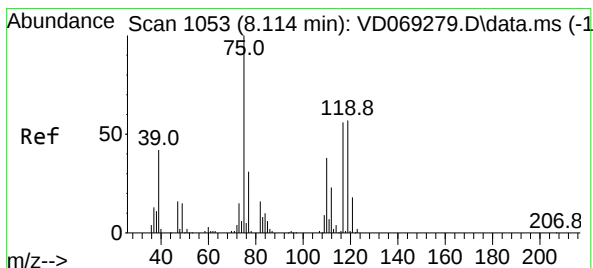
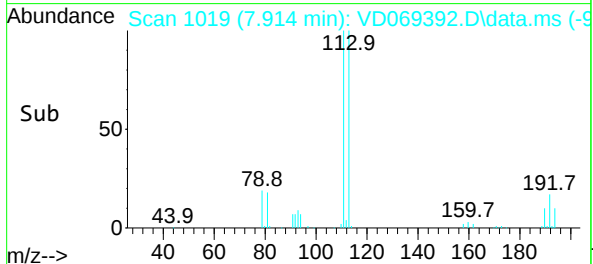
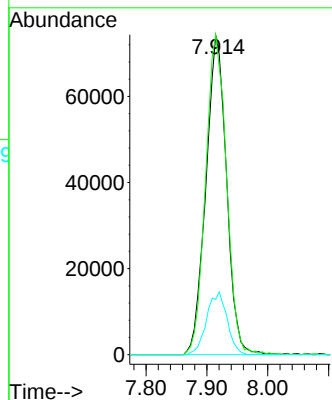
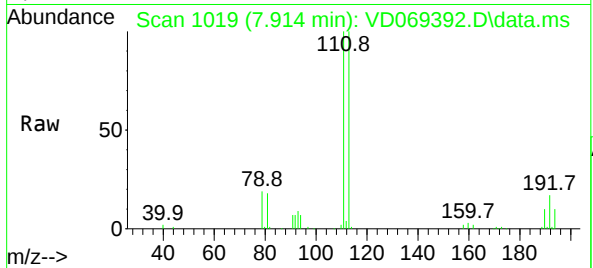




#35
Dibromofluoromethane
Concen: 59.994 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

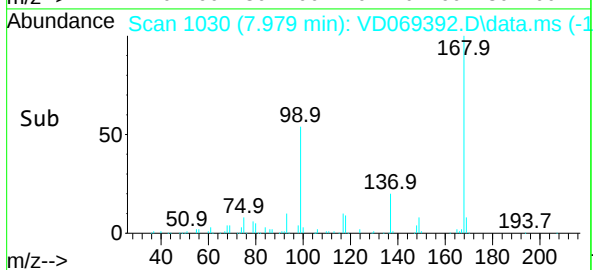
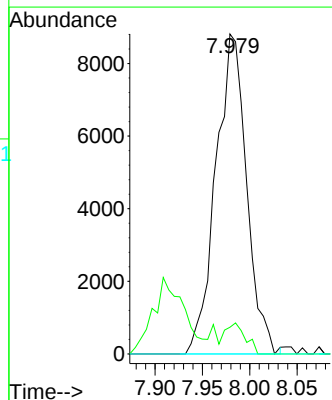
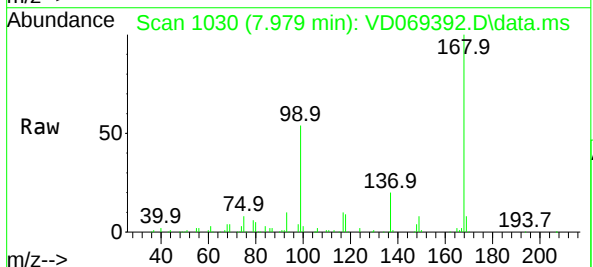
Instrument :
MSVOA_D
ClientSampled :

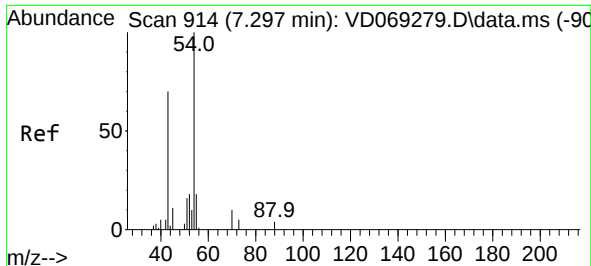
Tgt Ion:113 Resp: 174695
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.6
192 19.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.421 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 75 Resp: 19927
Ion Ratio Lower Upper
75 100
110 6.4 18.4 55.2#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.639 ug/l

RT: 7.209 min Scan# 899

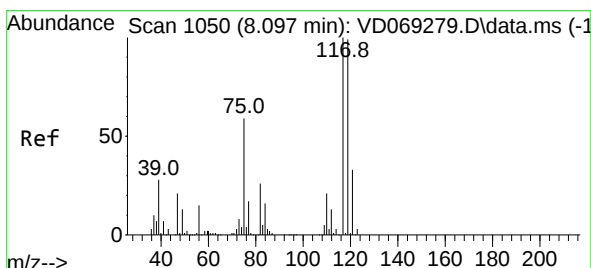
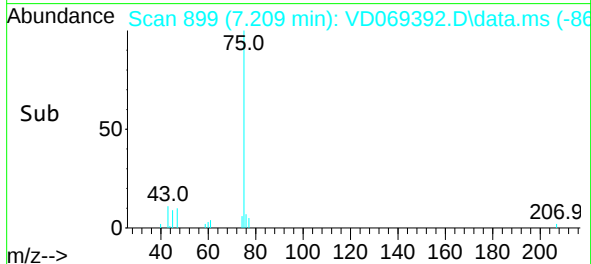
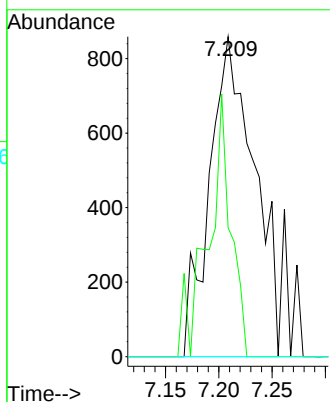
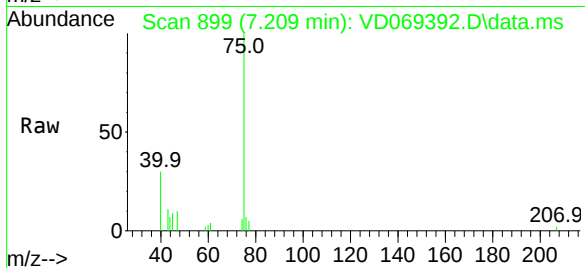
Delta R.T. -0.088 min

Lab File: VD069392.D

Acq: 08 Jun 2021 16:15

Tgt Ion:	43	Resp:	2508
Ion	Ratio	Lower	Upper
43	100		
61	42.0	11.0	16.6#
70	0.0	9.7	14.5#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.192 ug/l

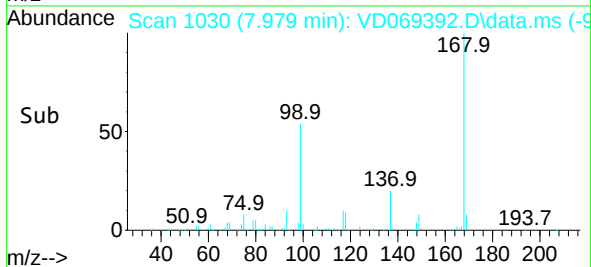
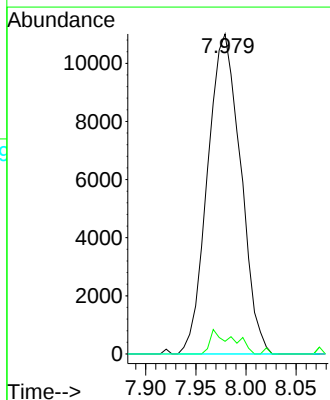
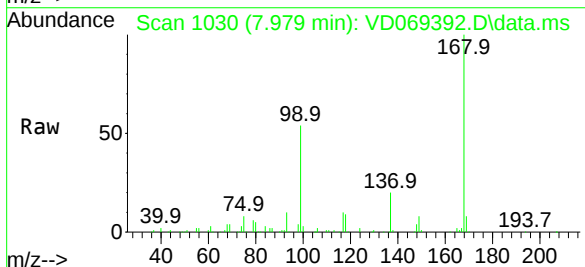
RT: 7.979 min Scan# 1030

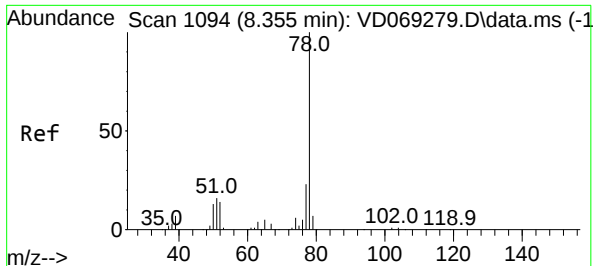
Delta R.T. -0.118 min

Lab File: VD069392.D

Acq: 08 Jun 2021 16:15

Tgt Ion:	117	Resp:	25266
Ion	Ratio	Lower	Upper
117	100		
119	3.9	79.4	119.2#
121	0.0	26.1	39.1#

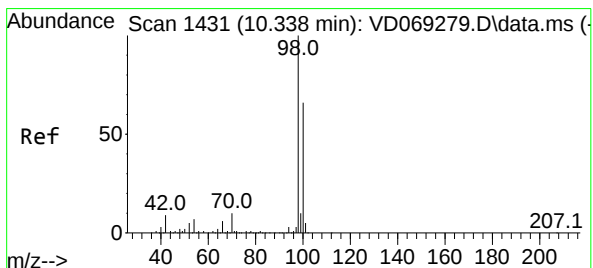
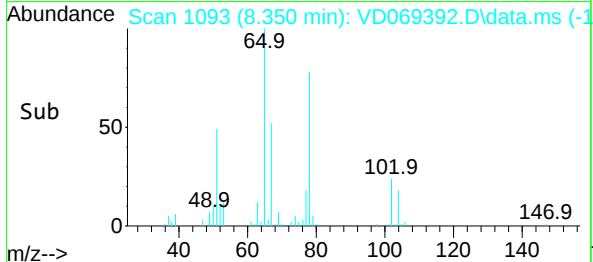
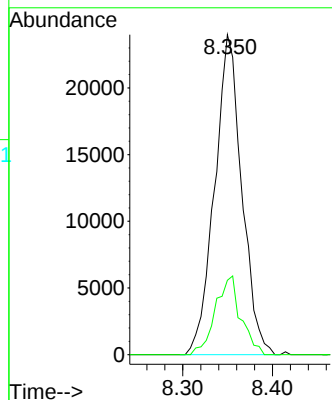
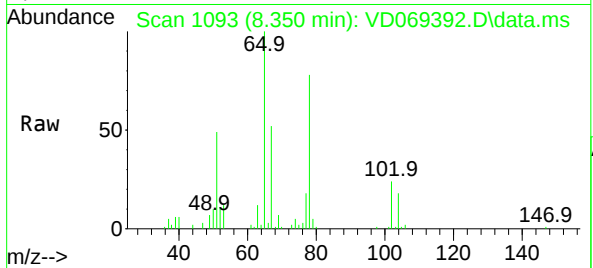




#40
Benzene
Concen: 3.855 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

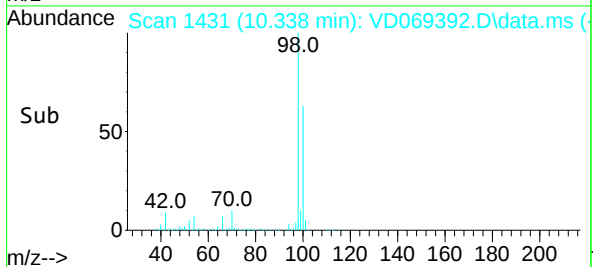
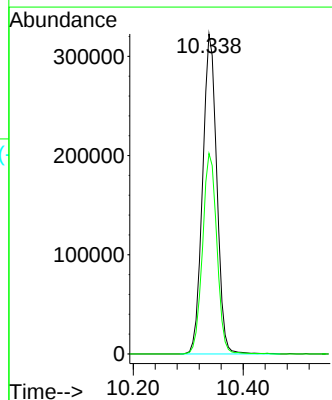
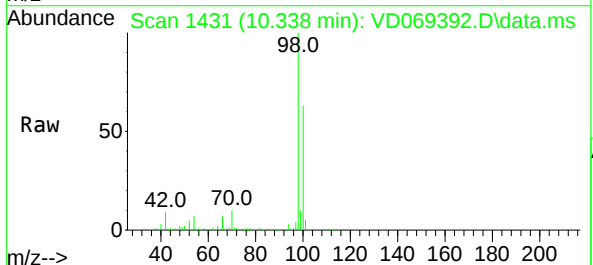
Instrument :
MSVOA_D
ClientSampled :

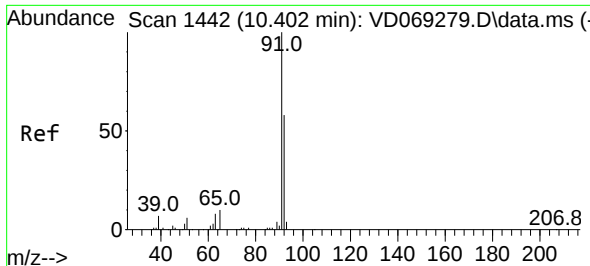
Tgt Ion: 78 Resp: 50458
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1



#50
Toluene-d8
Concen: 54.574 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 98 Resp: 577874
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1

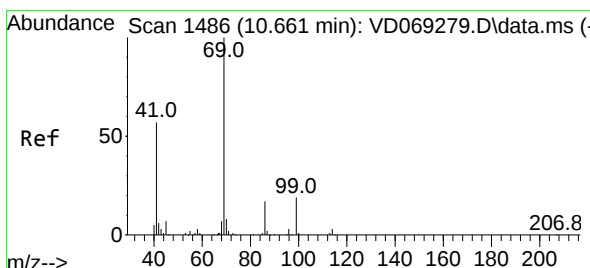
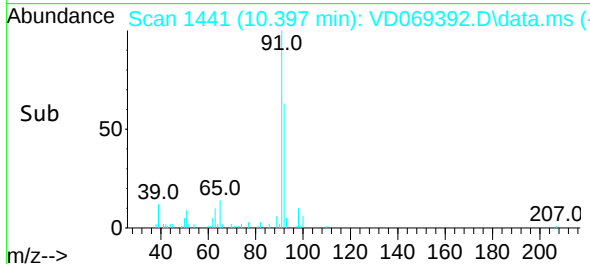
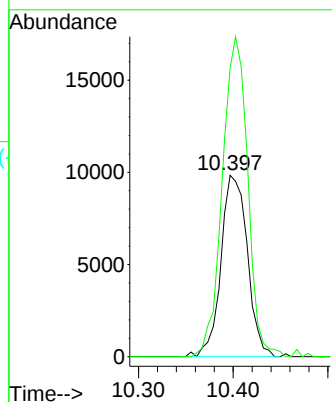
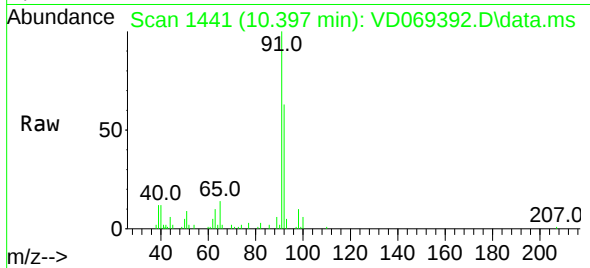




#52
Toluene
Concen: 2.306 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

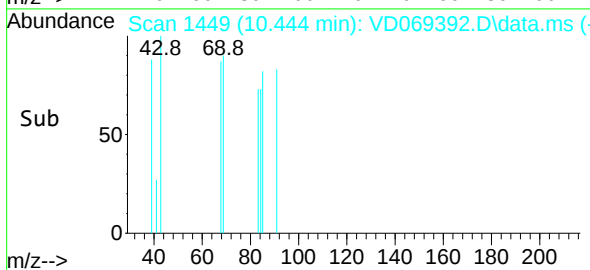
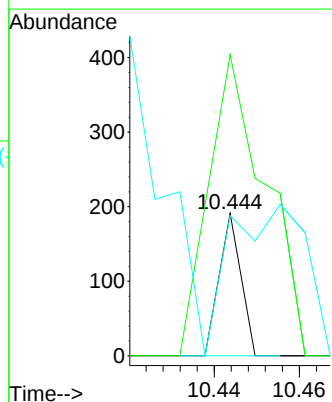
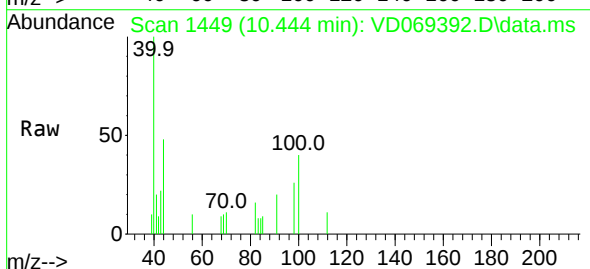
Instrument :
MSVOA_D
ClientSampled :

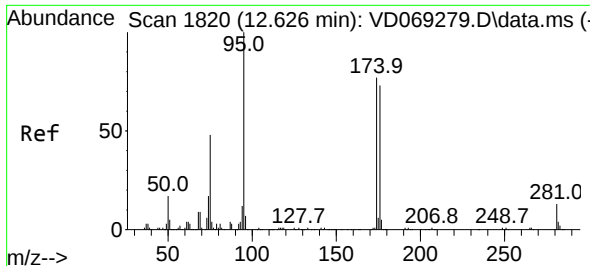
Tgt Ion: 92 Resp: 19054
Ion Ratio Lower Upper
92 100
91 169.8 138.4 207.6



#56
Ethyl methacrylate
Concen: 2.660 ug/l
RT: 10.444 min Scan# 1449
Delta R.T. -0.217 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 559.7 45.4 68.2#
39 374.6 21.7 32.5#

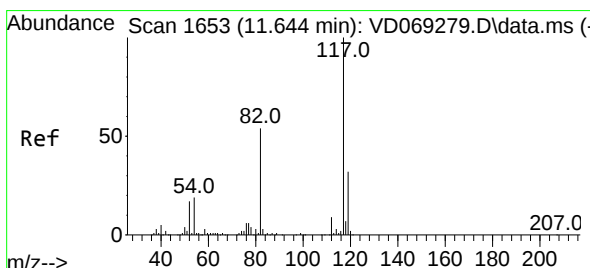
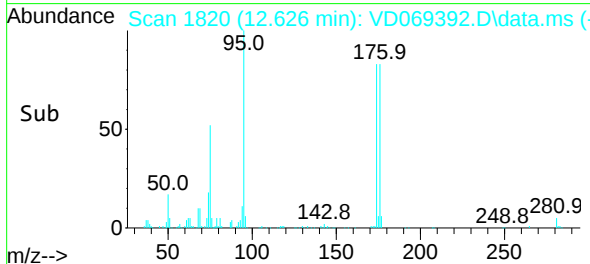
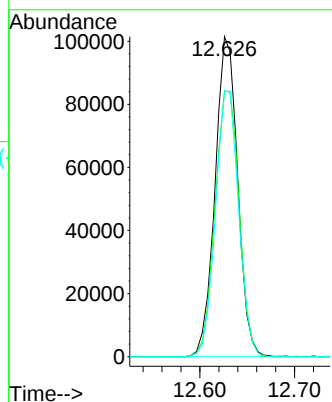
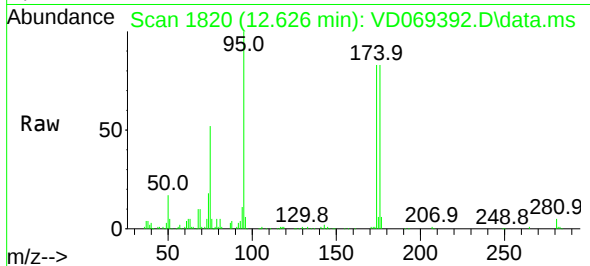




#62
4-Bromofluorobenzene
Concen: 48.395 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

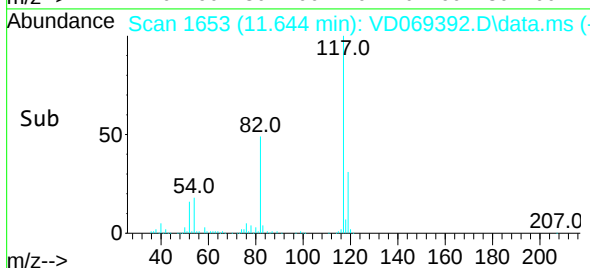
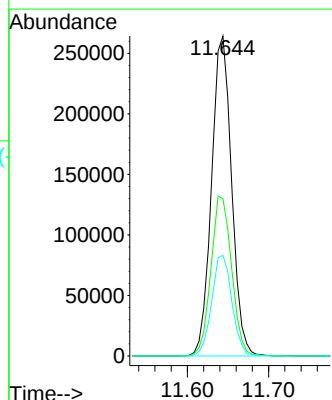
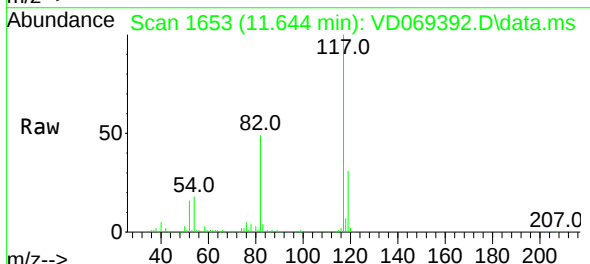
Instrument :
MSVOA_D
ClientSampleId :

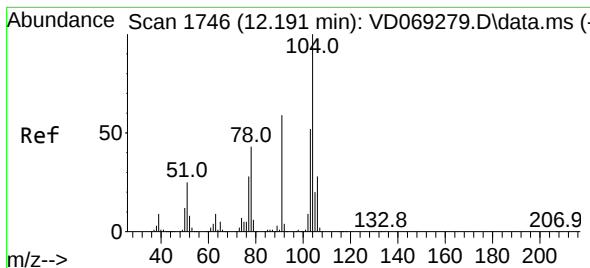
Tgt Ion: 95 Resp: 167912
Ion Ratio Lower Upper
95 100
174 88.6 0.0 162.8
176 85.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 117 Resp: 453781
Ion Ratio Lower Upper
117 100
82 49.2 43.3 64.9
119 31.4 25.3 37.9





#70

Styrene

Concen: 1.759 ug/l

RT: 12.197 min Scan# 1747

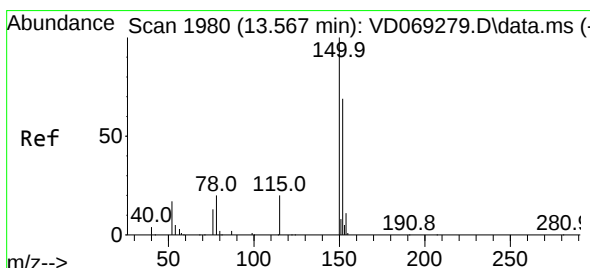
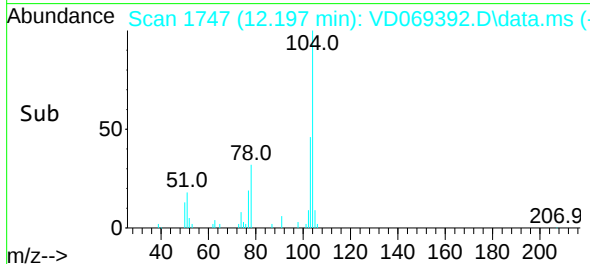
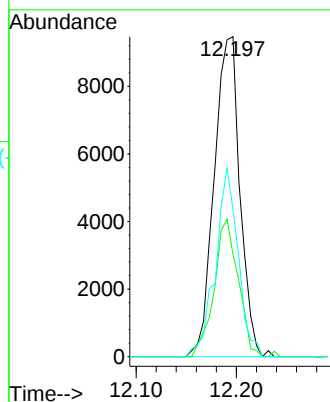
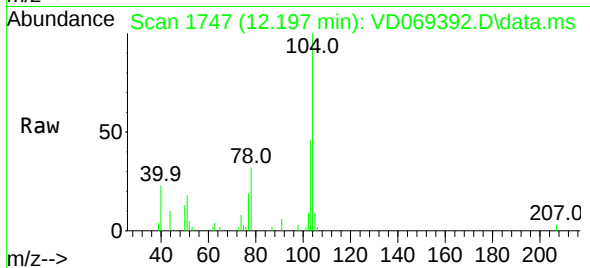
Delta R.T. 0.006 min

Lab File: VD069392.D

Acq: 08 Jun 2021 16:15

Tgt Ion:104	Resp:	16856
Ion Ratio	Lower	Upper
104	100	
78	40.1	37.5 56.3
103	51.8	44.3 66.5

Instrument :
MSVOA_D
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

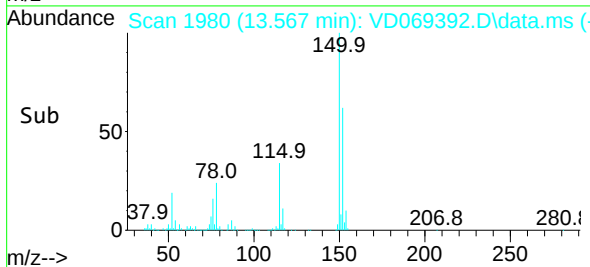
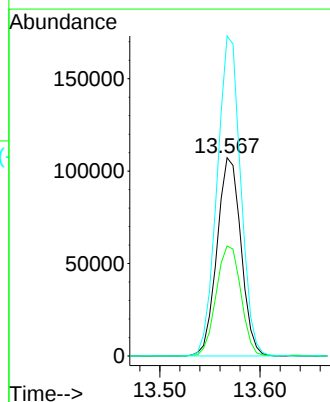
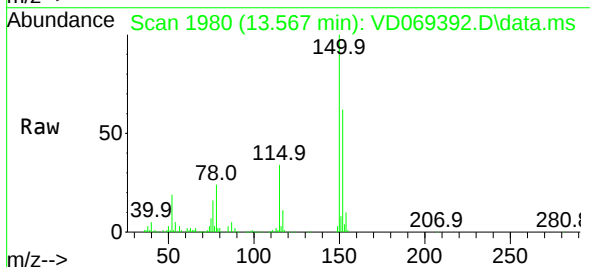
RT: 13.567 min Scan# 1980

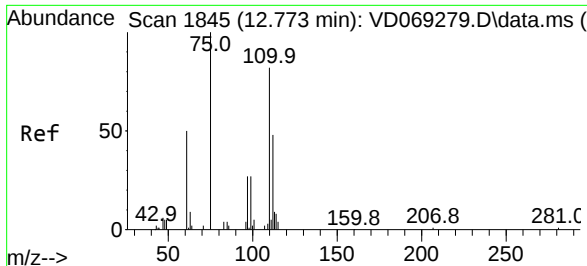
Delta R.T. 0.000 min

Lab File: VD069392.D

Acq: 08 Jun 2021 16:15

Tgt Ion:152	Resp:	177954
Ion Ratio	Lower	Upper
152	100	
115	57.2	29.4 88.3
150	158.9	0.0 355.0

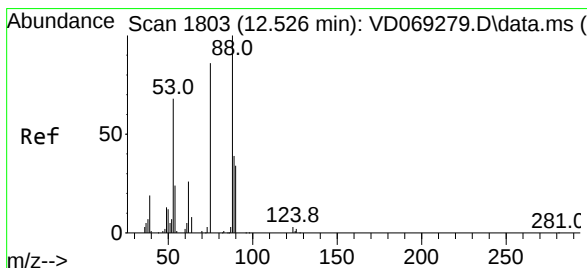
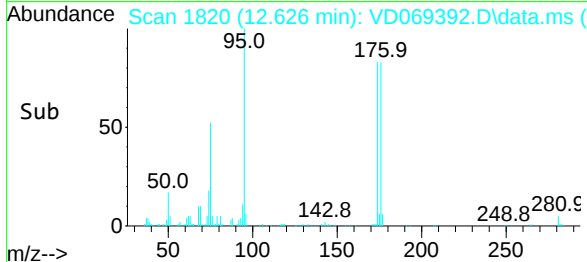
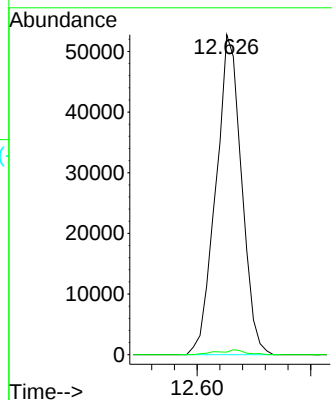
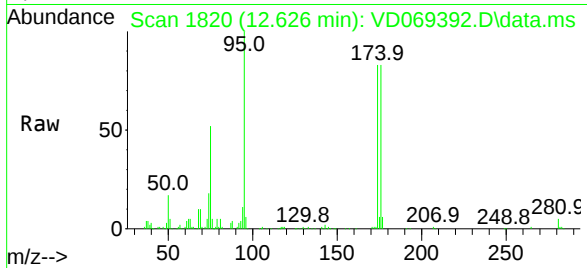




#76
1,2,3-Trichloropropane
Concen: 53.493 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

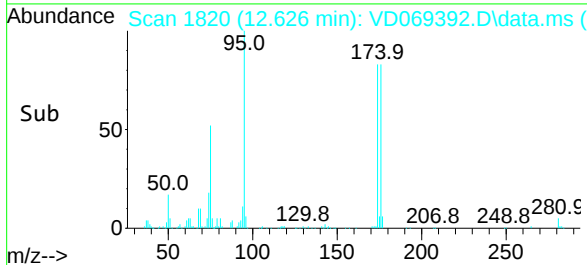
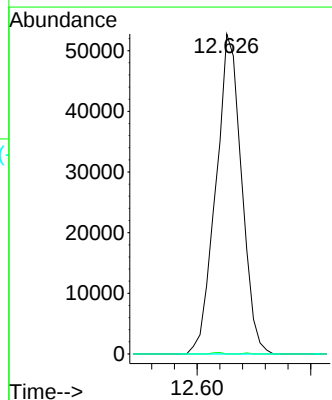
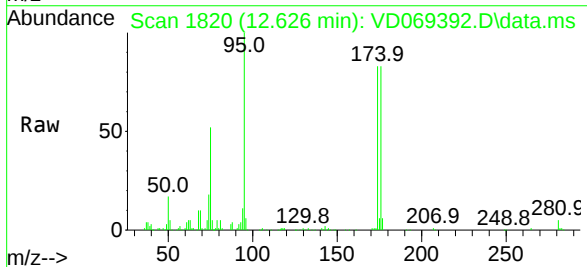
Instrument :
MSVOA_D
ClientSampled :

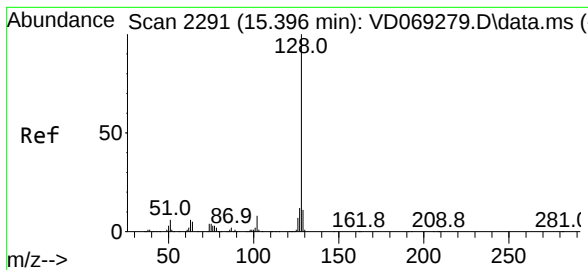
Tgt Ion: 75 Resp: 82706
Ion Ratio Lower Upper
75 100
77 1.7 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.540 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Tgt Ion: 75 Resp: 82706
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 34.549 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.005 min
Lab File: VD069392.D
Acq: 08 Jun 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 203169
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 11.6 8.8 13.2

