

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069546.D
 Acq On : 23 Jun 2021 15:45
 Operator : VA/SY
 Sample : M2773-02RE
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

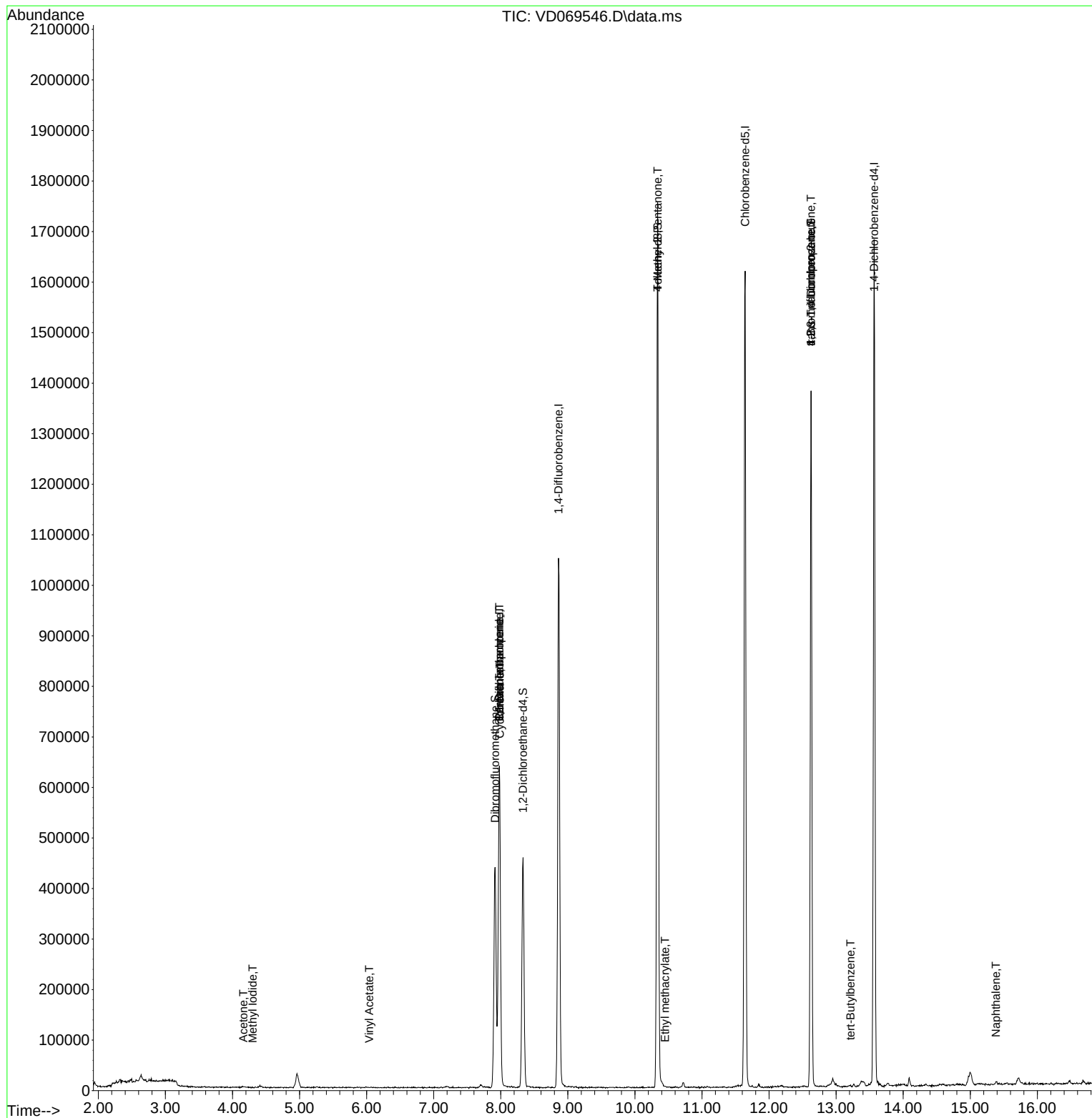
Internal Standards						
1) Pentafluorobenzene	7.979	168	445844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	885220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	936499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	425813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	367396	66.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.220%			
35) Dibromofluoromethane	7.914	113	319779	53.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.337	98	1169402	52.100	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.625	95	428278	58.040	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.080%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	389	Below Cal		93
10) Methyl Iodide	4.302	142	144	3.969 ug/l #		39
11) Tert butyl alcohol	5.226	59	521	Below Cal #		83
16) Acetone	4.161	43	2044	2.185 ug/l		90
18) Methyl Acetate	4.726	43	147	Below Cal #		49
20) Methylene Chloride	4.961	84	20201	Below Cal		88
23) Vinyl Acetate	6.038	43	69	19.019 ug/l #		70
31) Cyclohexane	7.985	56	11511	1.538 ug/l #		35
36) 1,1-Dichloropropene	7.979	75	41329	4.757 ug/l #		52
38) Carbon Tetrachloride	7.979	117	47877	5.568 ug/l #		18
51) 4-Methyl-2-Pentanone	10.337	43	5305	1.722 ug/l #		1
56) Ethyl methacrylate	10.449	69	83	2.595 ug/l #		1
76) 1,2,3-Trichloropropane	12.625	75	217991	52.152 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.625	75	217991	130.217 ug/l #		12
83) tert-Butylbenzene	13.214	119	190	2.000 ug/l #		1
95) Naphthalene	15.384	128	4313	3.658 ug/l #		88

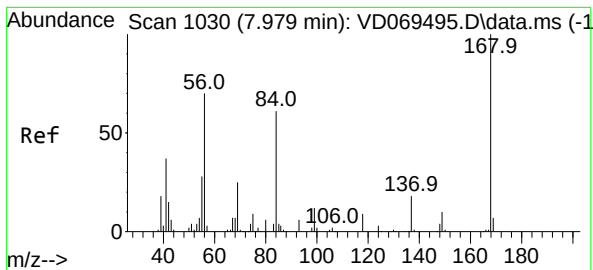
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

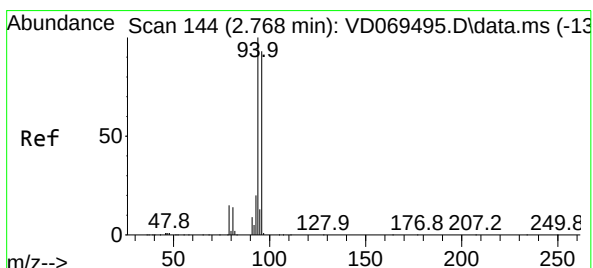
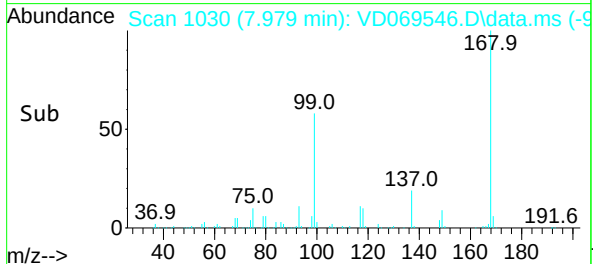
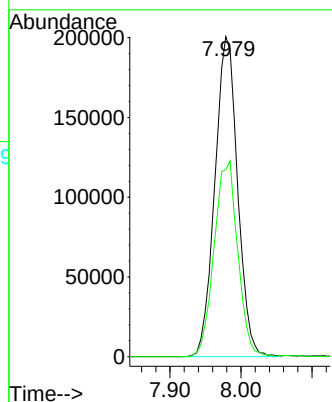
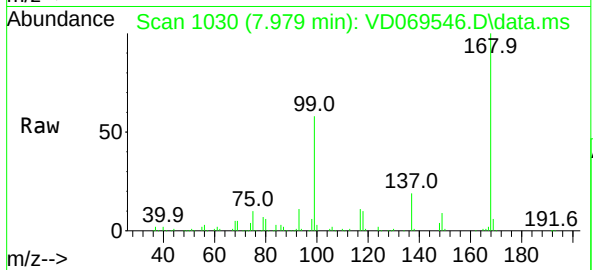




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

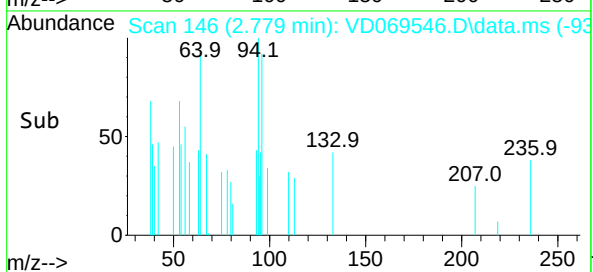
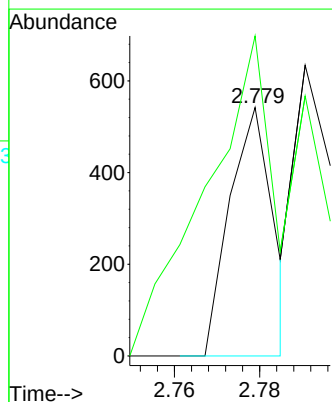
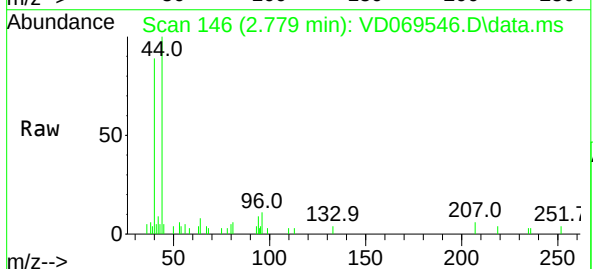
Instrument :
MSVOA_D
ClientSampled :

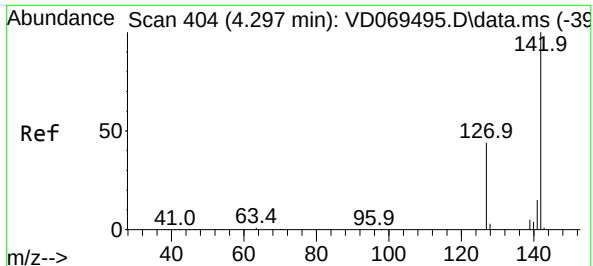
Tgt Ion:168 Resp: 445844
Ion Ratio Lower Upper
168 100
99 58.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 94 Resp: 389
Ion Ratio Lower Upper
94 100
96 86.7 74.6 111.8

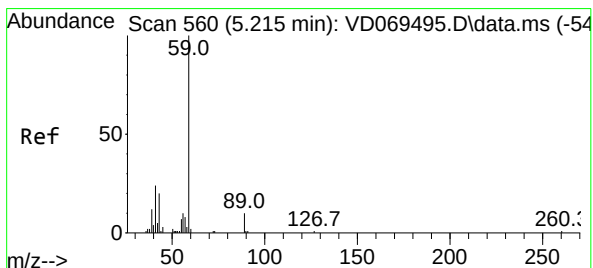
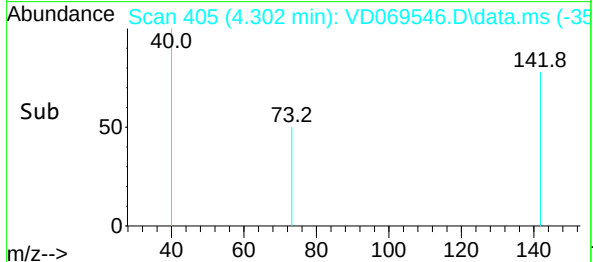
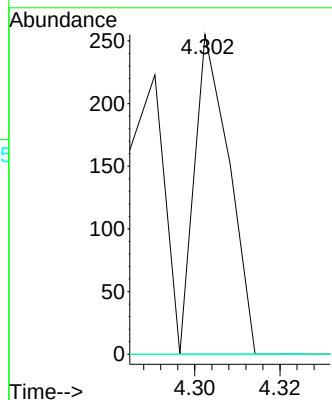
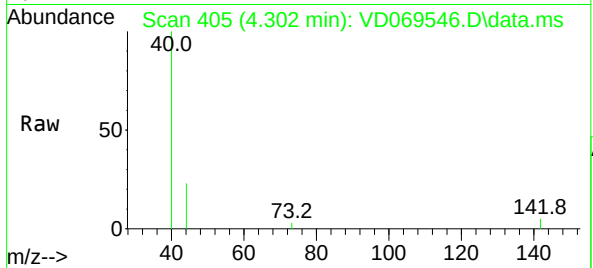




#10
Methyl Iodide
Concen: 3.969 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

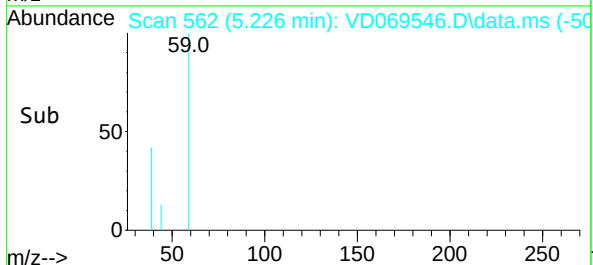
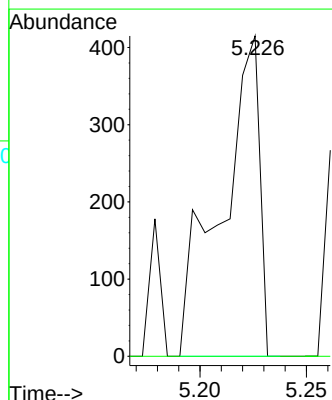
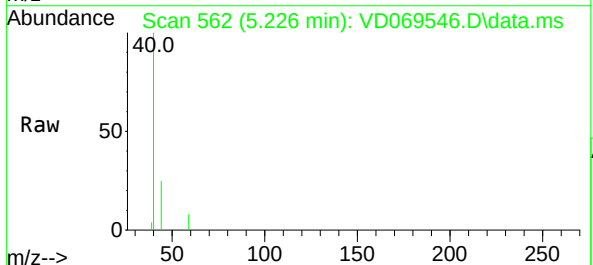
Instrument :
MSVOA_D
ClientSampled :

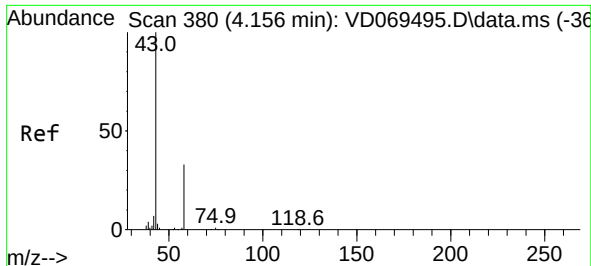
Tgt Ion:142 Resp: 144
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 59 Resp: 521
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

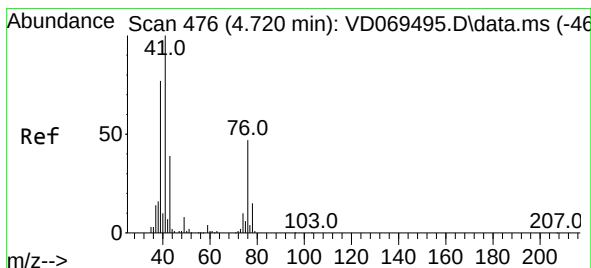
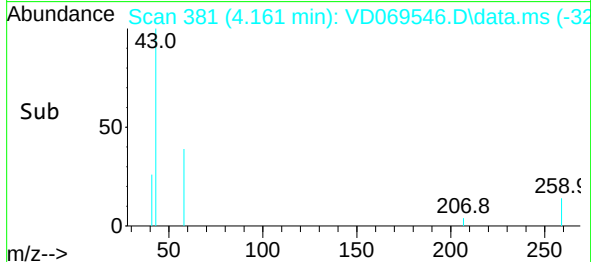
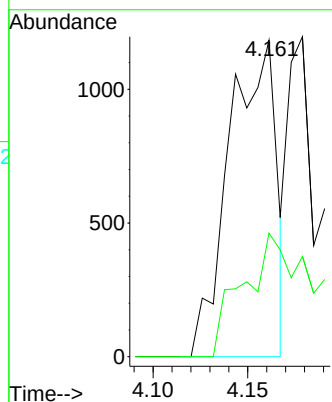
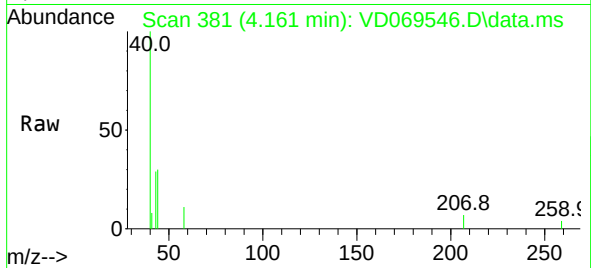




#16
Acetone
Concen: 2.185 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

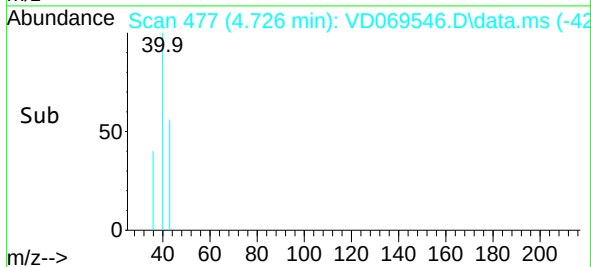
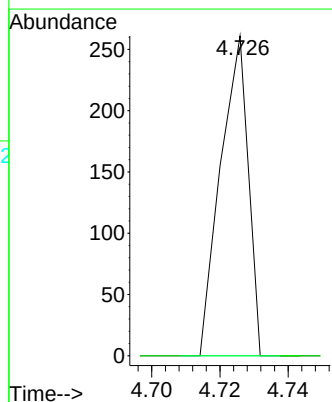
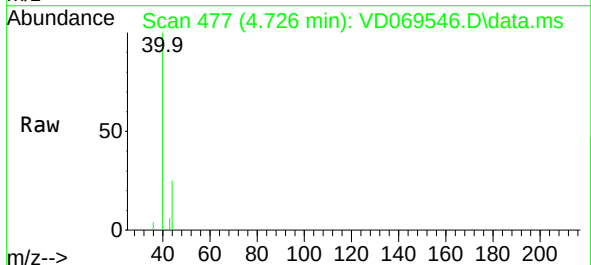
Instrument :
MSVOA_D
ClientSampled :

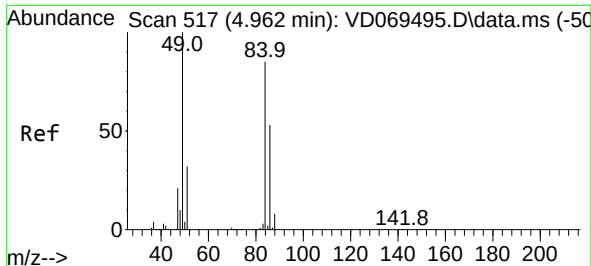
Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
58 39.0 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

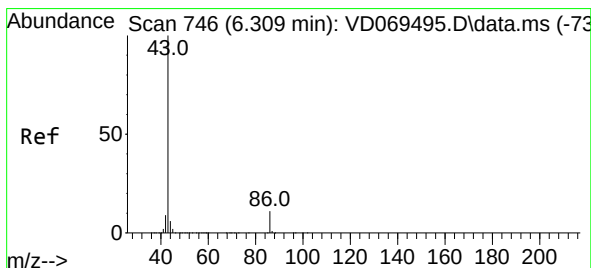
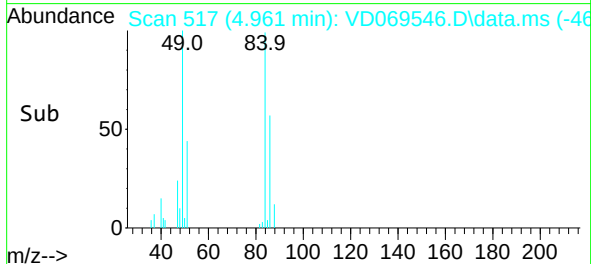
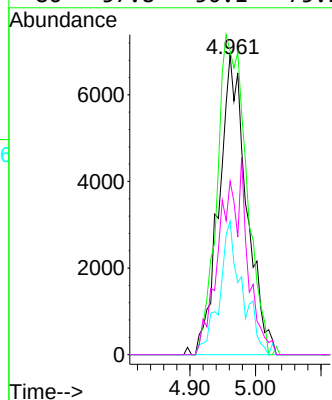
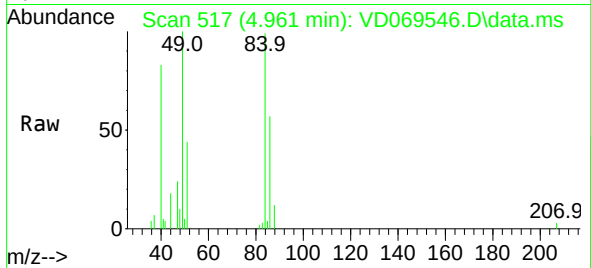




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

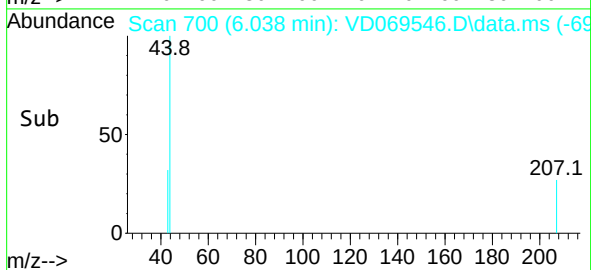
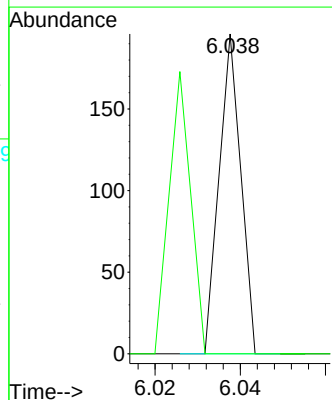
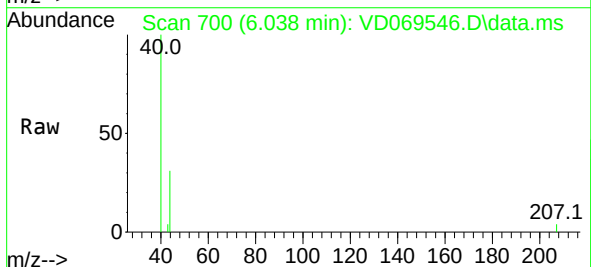
Instrument :
MSVOA_D
ClientSampleId :

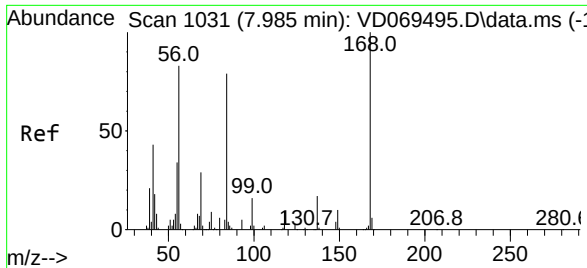
Tgt Ion:	84	Resp:	20201
Ion	Ratio	Lower	Upper
84	100		
49	101.2	94.0	141.0
51	44.5	29.7	44.5
86	57.8	50.1	75.1



#23
Vinyl Acetate
Concen: 19.019 ug/l
RT: 6.038 min Scan# 700
Delta R.T. -0.271 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

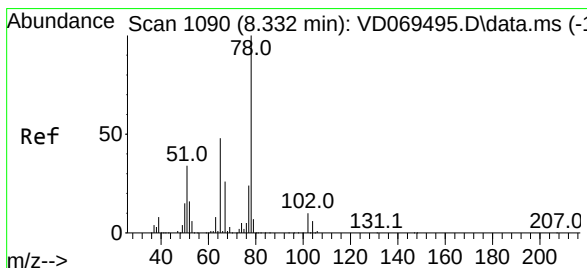
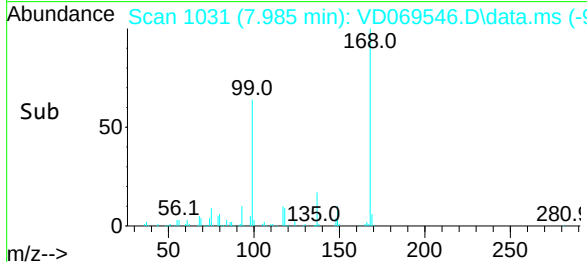
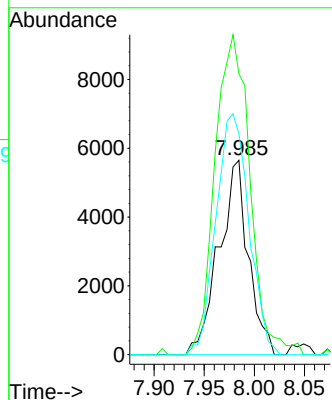
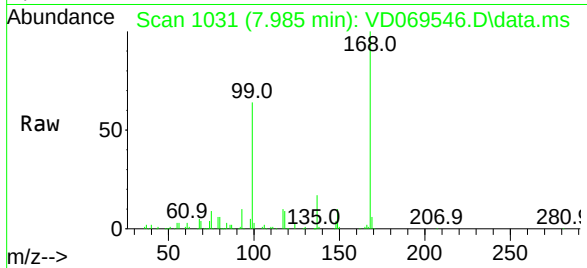




#31
Cyclohexane
Concen: 1.538 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

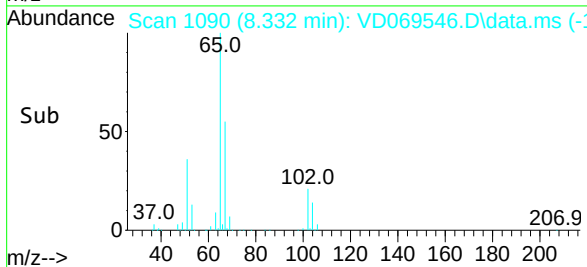
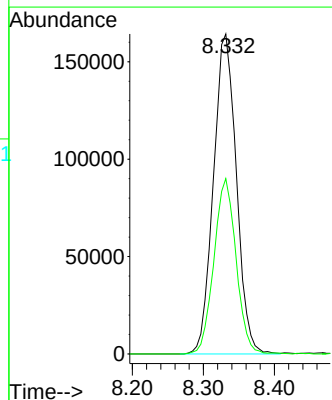
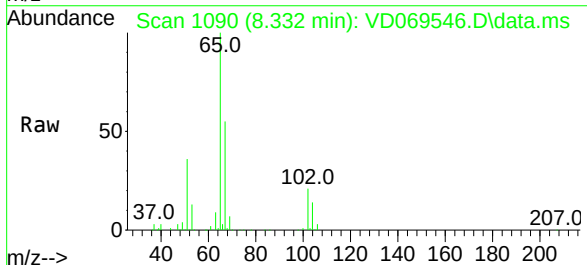
Instrument :
MSVOA_D
ClientSampleId :

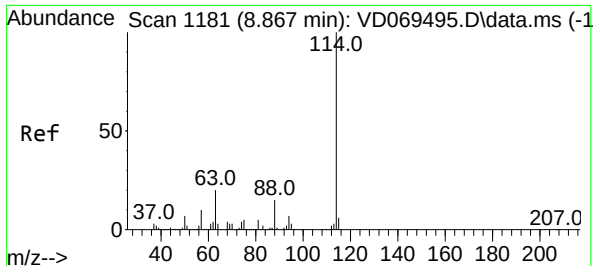
Tgt Ion: 56 Resp: 11511
Ion Ratio Lower Upper
56 100
69 144.6 28.0 42.0#
84 113.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 66.110 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 65 Resp: 367396
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



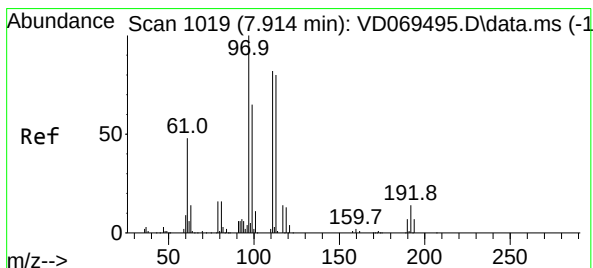
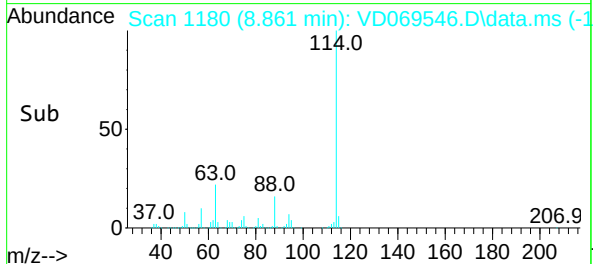
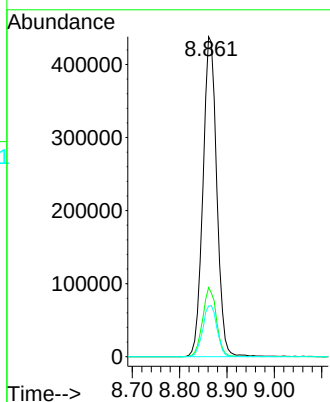
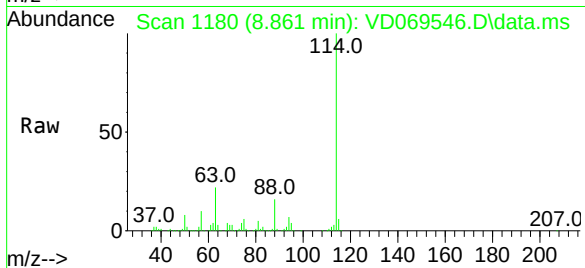


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Instrument :
MSVOA_D
ClientSampleId :

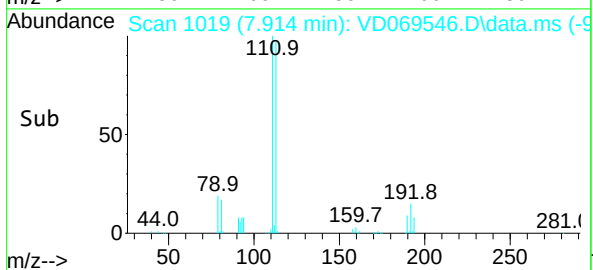
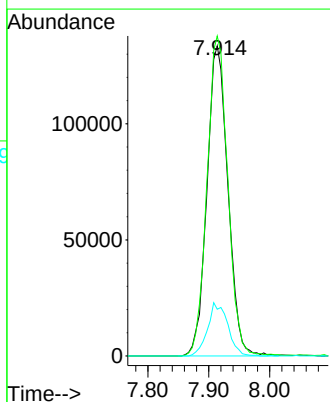
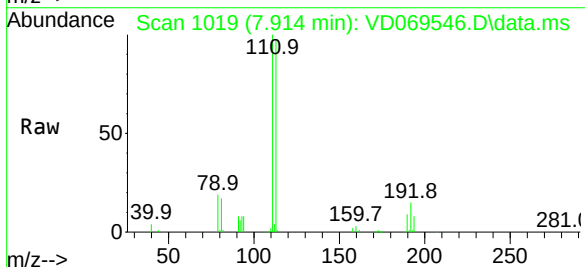
Tgt Ion:114 Resp: 885220
Ion Ratio Lower Upper
114 100
63 21.6 0.0 39.6
88 15.8 0.0 29.8

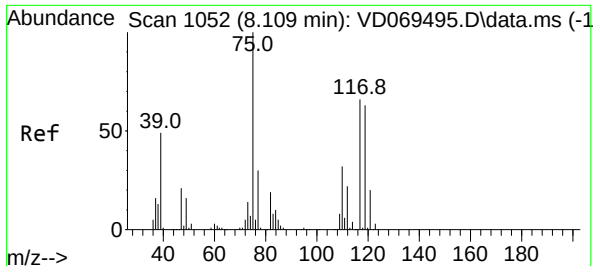


#35

Dibromofluoromethane
Concen: 53.440 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion:113 Resp: 319779
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 7.979 min Scan# 1030

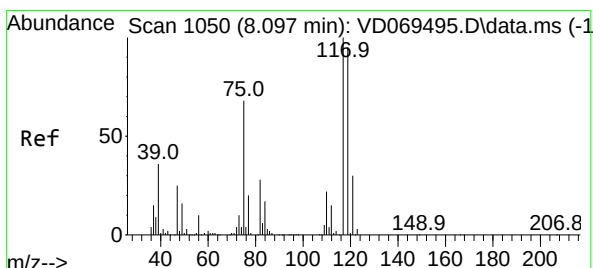
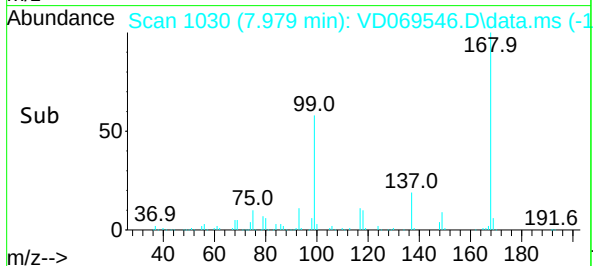
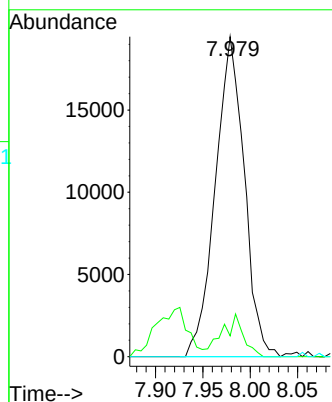
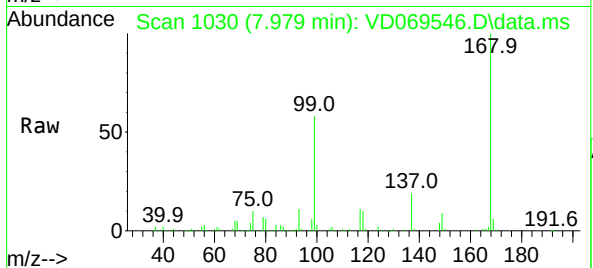
Delta R.T. -0.130 min

Lab File: VD069546.D

Acq: 23 Jun 2021 15:45

Tgt Ion:	75	Resp:	41329
Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.8	50.4#
77	0.0	24.3	36.5#

Instrument :
MSVOA_D
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.568 ug/l

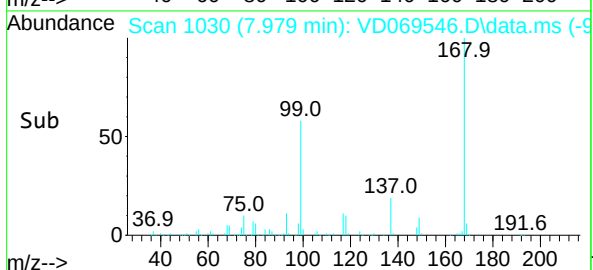
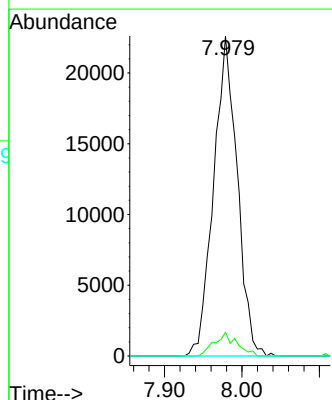
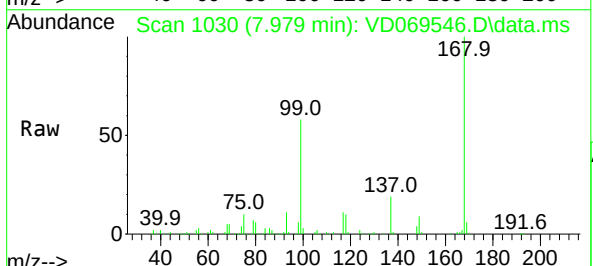
RT: 7.979 min Scan# 1030

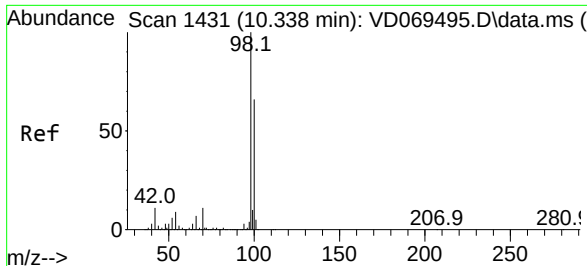
Delta R.T. -0.118 min

Lab File: VD069546.D

Acq: 23 Jun 2021 15:45

Tgt Ion:	117	Resp:	47877
Ion	Ratio	Lower	Upper
117	100		
119	7.4	75.6	113.4#
121	0.0	23.8	35.8#

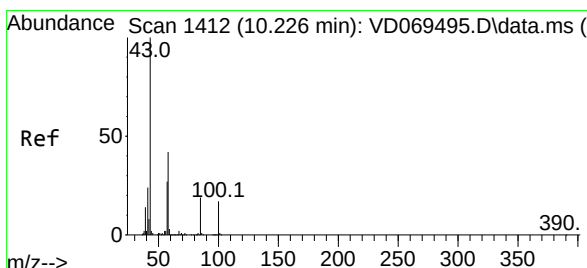
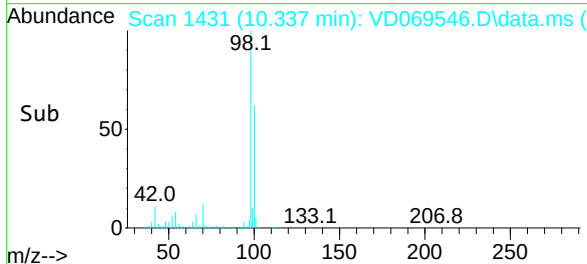
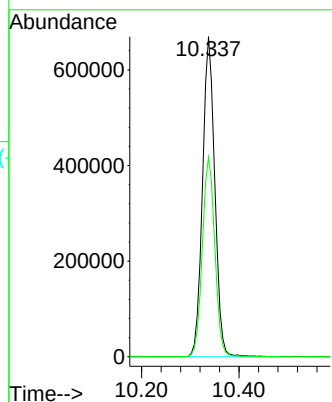
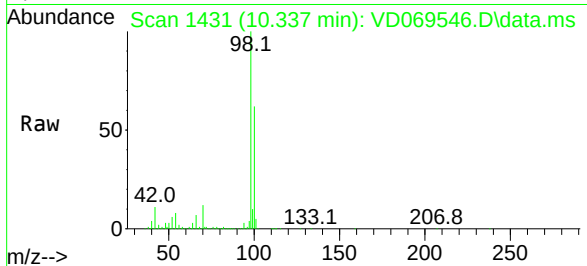




#50
Toluene-d8
Concen: 52.100 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

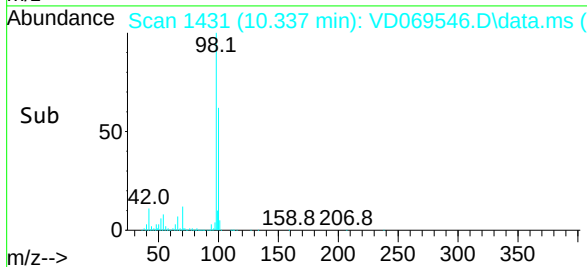
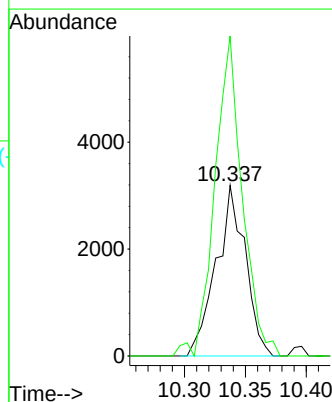
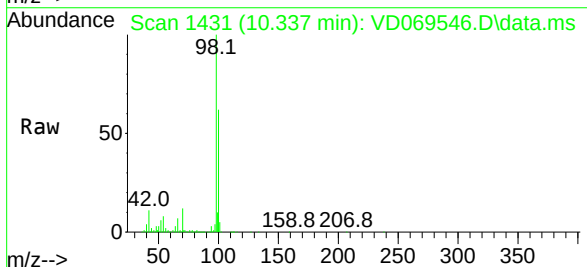
Instrument :
MSVOA_D
ClientSampled :

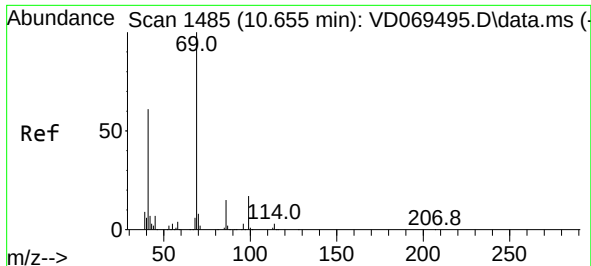
Tgt Ion: 98 Resp: 1169402
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.722 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 177.6 33.6 50.4#

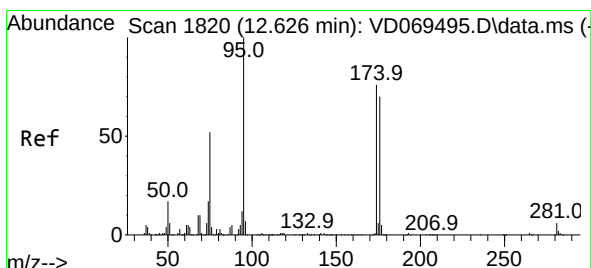
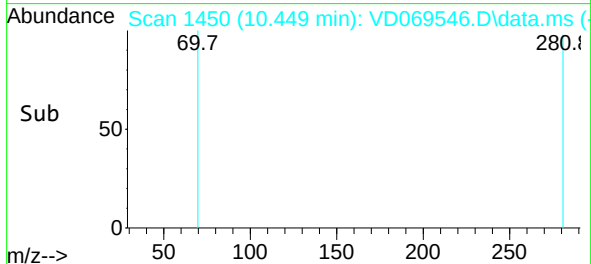
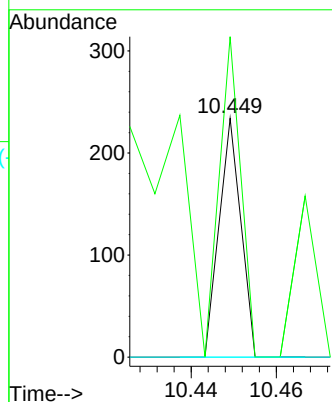
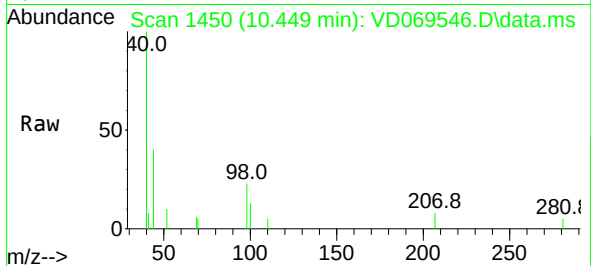




#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.449 min Scan# 1450
Delta R.T. -0.206 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

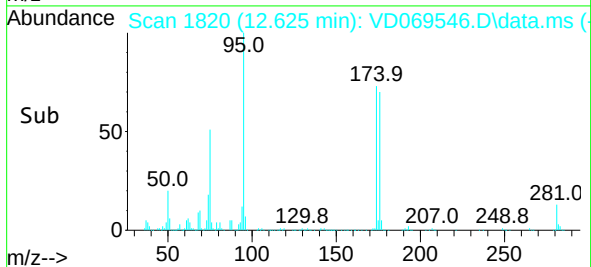
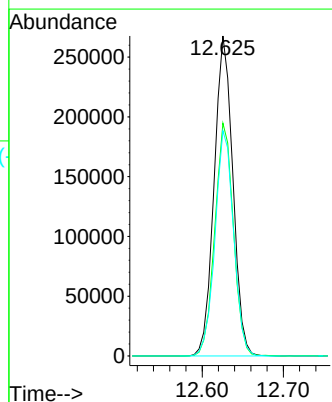
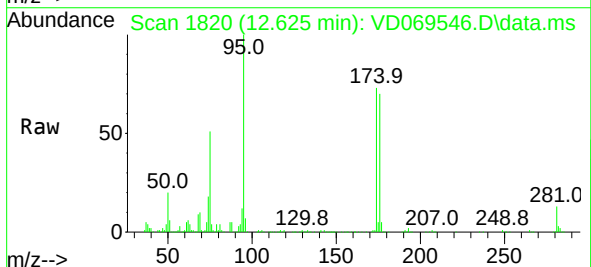
Instrument :
MSVOA_D
ClientSampleId :

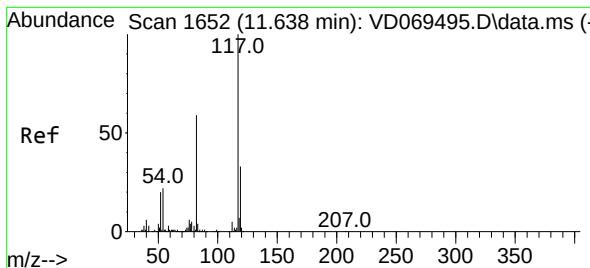
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 415.7 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 58.040 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 95 Resp: 428278
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.0
176 69.9 0.0 139.8

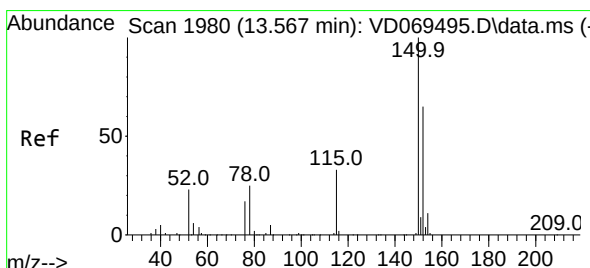
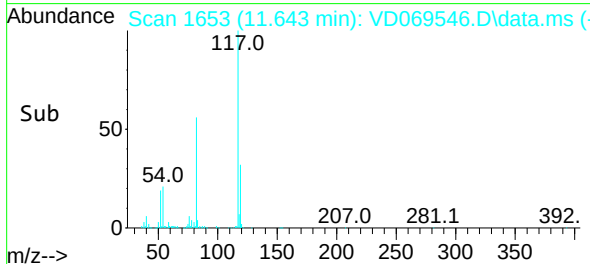
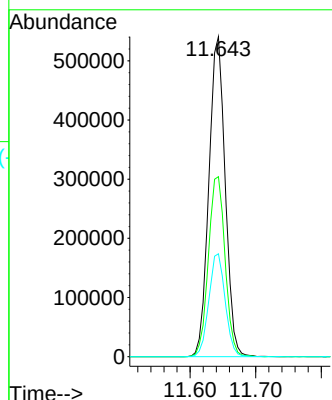
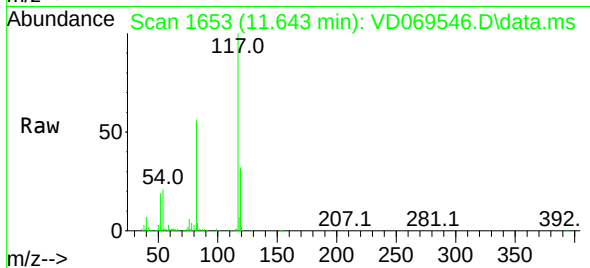




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

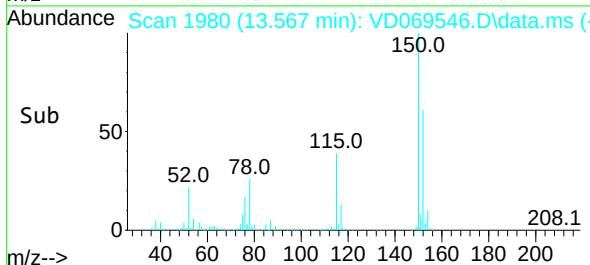
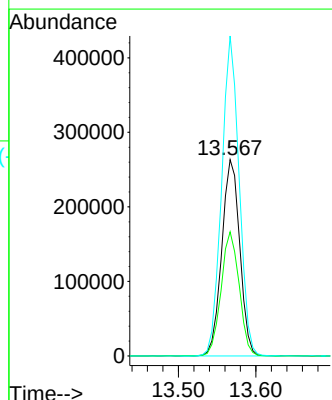
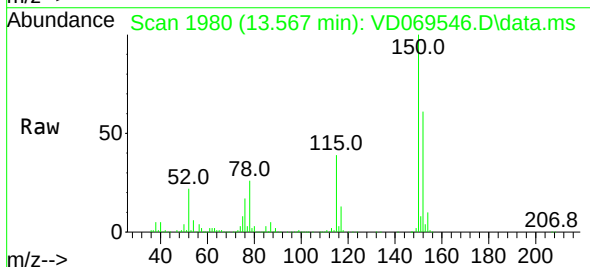
Instrument :
MSVOA_D
ClientSampleId :

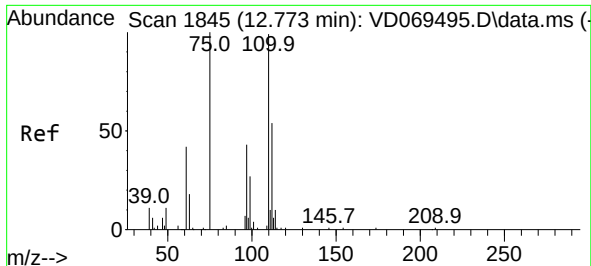
Tgt Ion:117 Resp: 936499
Ion Ratio Lower Upper
117 100
82 56.3 46.8 70.2
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion:152 Resp: 425813
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 158.1 0.0 350.8

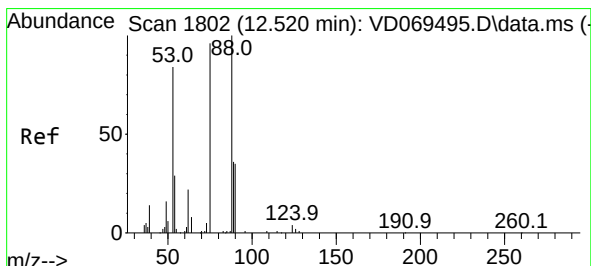
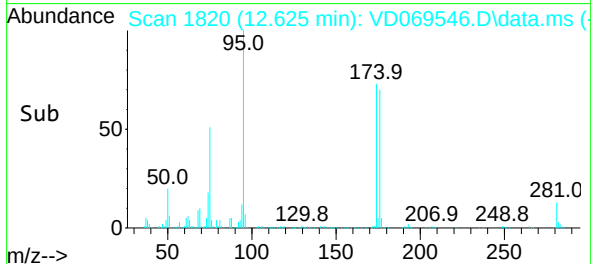
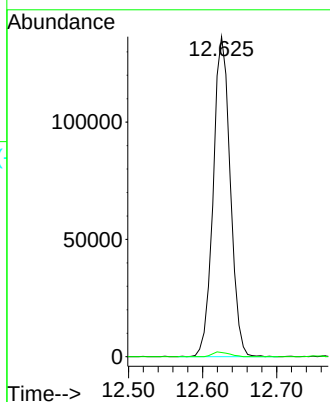
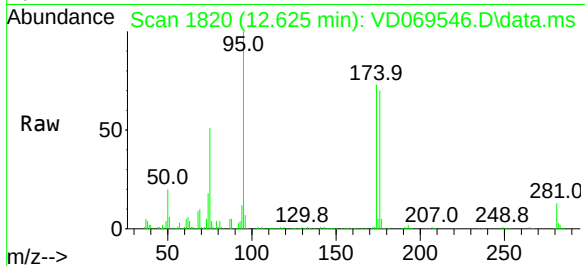




#76
1,2,3-Trichloropropane
Concen: 52.152 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

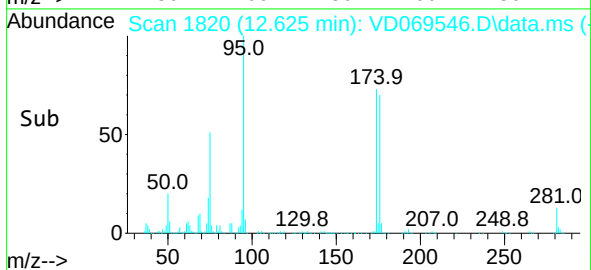
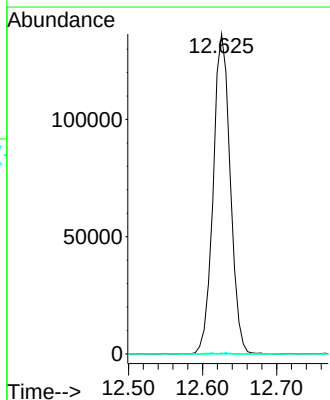
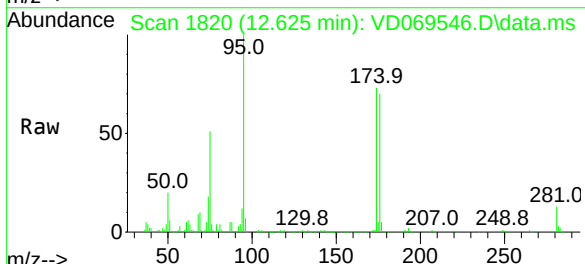
Instrument :
MSVOA_D
ClientSampleId :

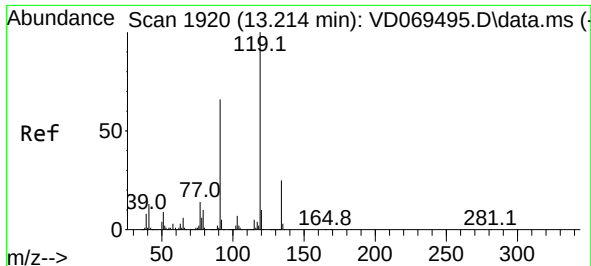
Tgt Ion: 75 Resp: 217991
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.217 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion: 75 Resp: 217991
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.1 35.3 52.9#

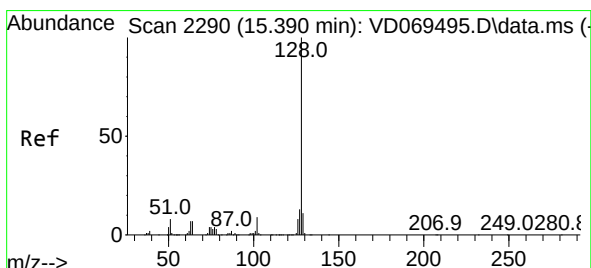
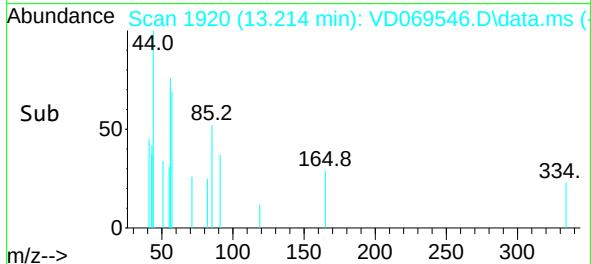
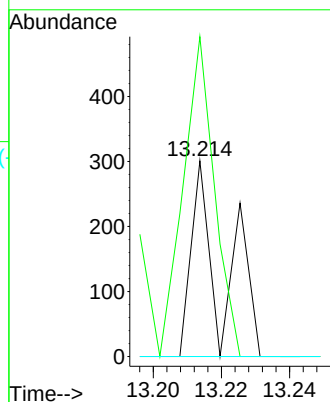
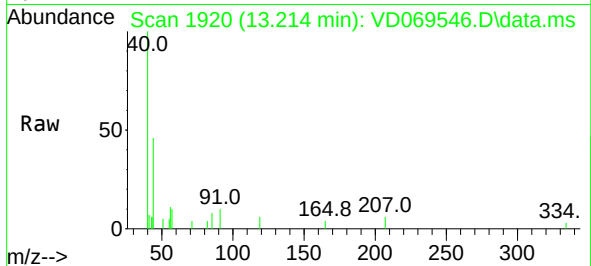




#83
tert-Butylbenzene
Concen: 2.000 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	190
Ion	Ratio	Lower	Upper
119	100		
91	199.5	32.5	97.4#
134	0.0	12.9	38.7#



#95
Naphthalene
Concen: 3.658 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069546.D
Acq: 23 Jun 2021 15:45

Tgt Ion:	128	Resp:	4313
Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.6	16.0#
129	6.8	8.7	13.1#

