

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060821\
 Data File : VD069393.D
 Acq On : 08 Jun 2021 17:12
 Operator : VA/SY
 Sample : M2634-04
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:10:16 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)

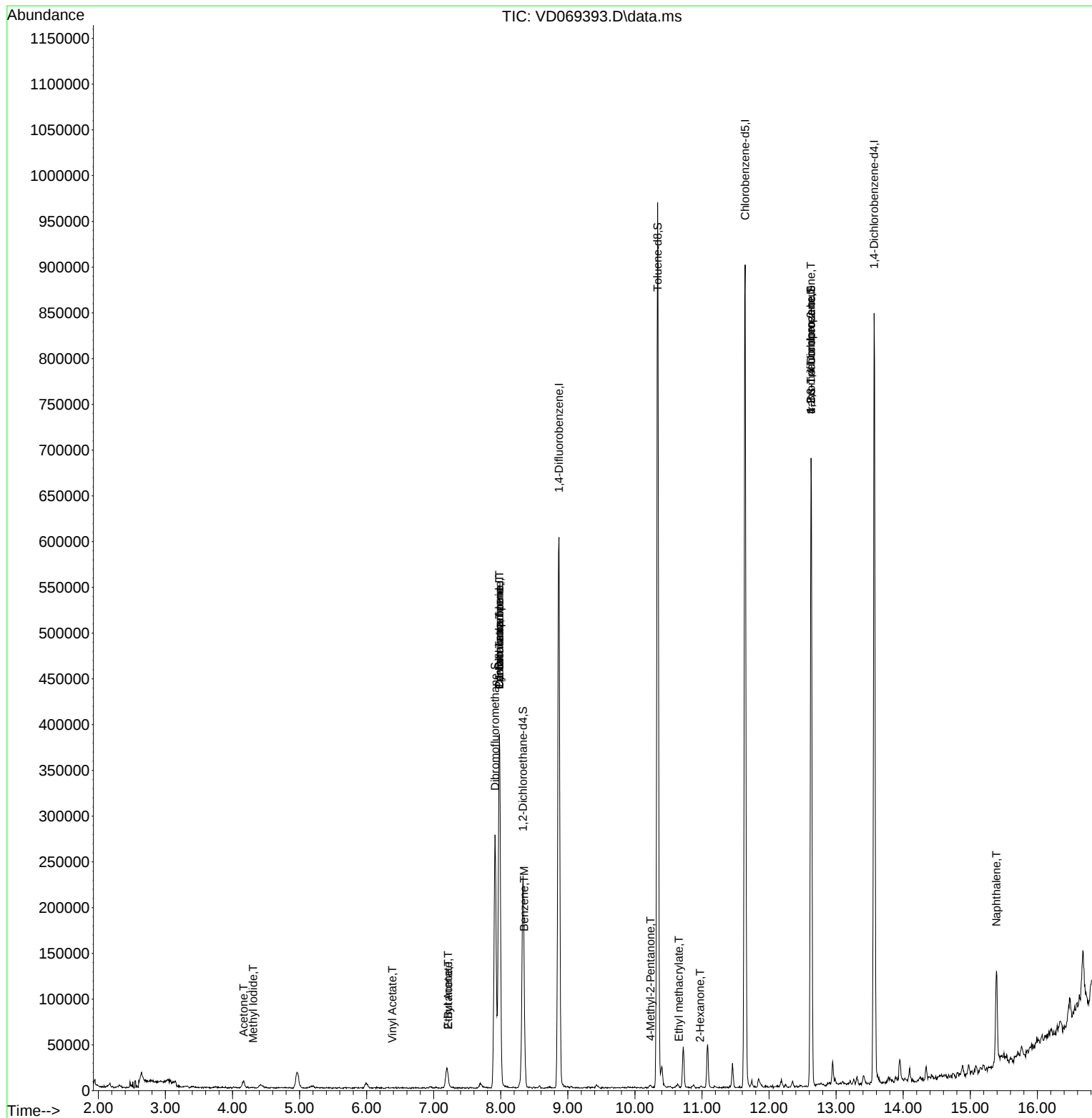
Internal Standards						
1) Pentafluorobenzene	7.979	168	295579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	545164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	545084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	231754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181441	63.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.940%			
35) Dibromofluoromethane	7.914	113	198164	57.883	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.760%			
50) Toluene-d8	10.338	98	675492	54.260	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.520%			
62) 4-Bromofluorobenzene	12.626	95	216517	53.078	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.160%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	73	2.531	ug/l #	56
11) Tert butyl alcohol	5.197	59	1399	Below Cal	#	73
16) Acetone	4.167	43	12692	25.644	ug/l #	73
20) Methylene Chloride	4.967	84	14678	Below Cal		98
23) Vinyl Acetate	6.385	43	59	11.625	ug/l #	67
25) 2-Butanone	7.214	43	4167	6.398	ug/l	92
31) Cyclohexane	7.979	56	6028	1.338	ug/l #	25
36) 1,1-Dichloropropene	7.979	75	22567	4.259	ug/l #	45
37) Ethyl Acetate	7.214	43	4167	2.316	ug/l #	64
38) Carbon Tetrachloride	7.979	117	30006	5.245	ug/l #	17
40) Benzene	8.350	78	22754	1.478	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	2432	1.438	ug/l #	54
56) Ethyl methacrylate	10.655	69	89	2.663	ug/l #	1
59) 2-Hexanone	10.973	43	1502	1.329	ug/l	81
76) 1,2,3-Trichloropropane	12.626	75	104852	52.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	104852	115.394	ug/l #	18
95) Naphthalene	15.390	128	99329	15.032	ug/l	97

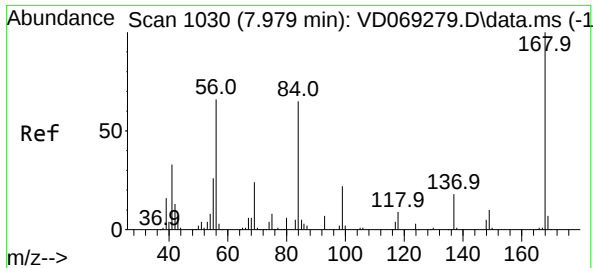
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 09 02:10:16 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

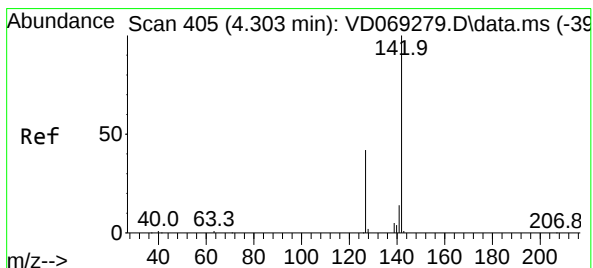
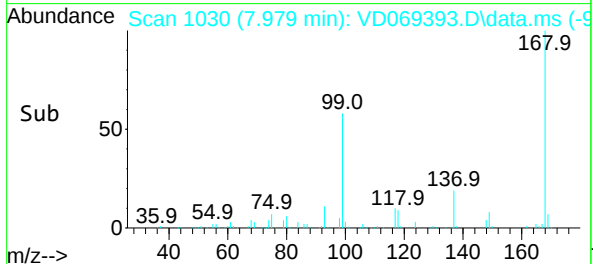
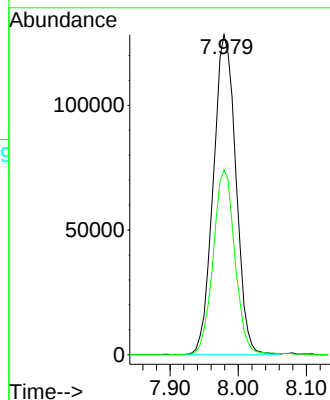
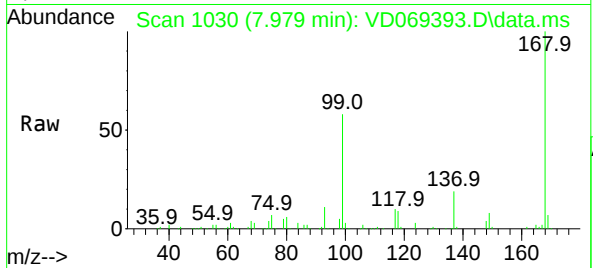




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

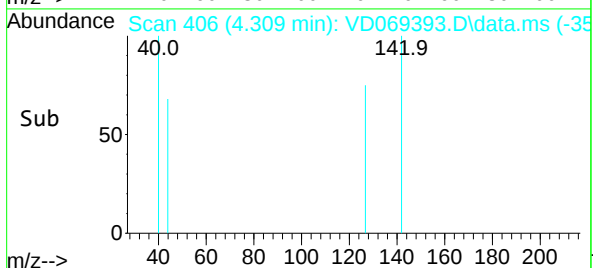
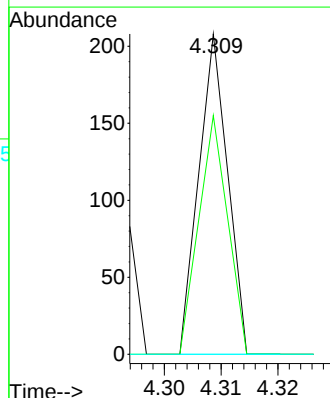
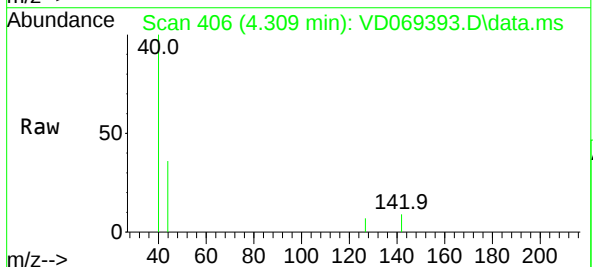
Instrument :
MSVOA_D
ClientSampleId :

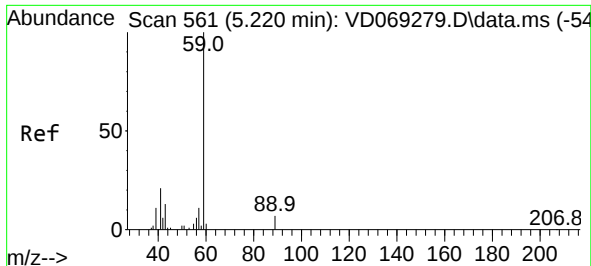
Tgt Ion:168 Resp: 295579
Ion Ratio Lower Upper
168 100
99 57.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.531 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 75.3 36.2 54.2#
141 0.0 12.2 18.2#



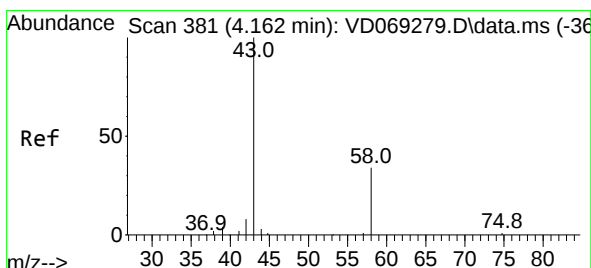
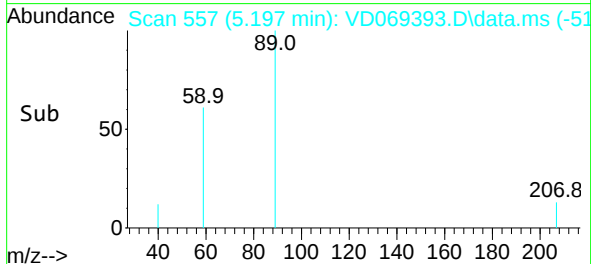
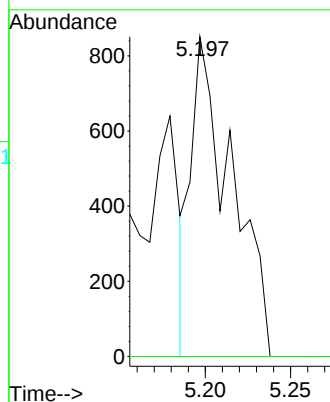
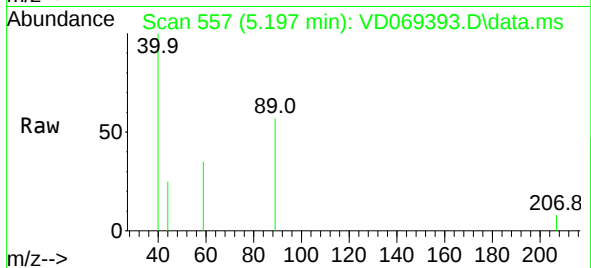


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Instrument :
MSVOA_D
ClientSampled :

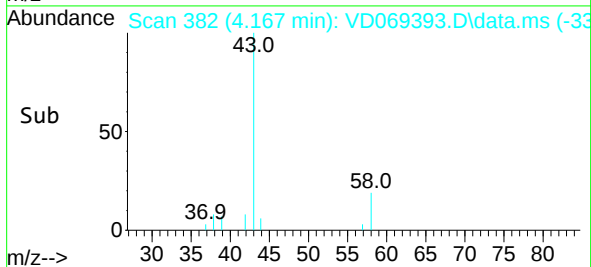
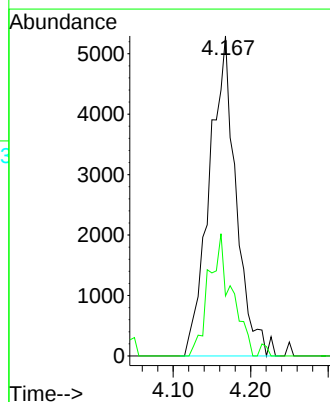
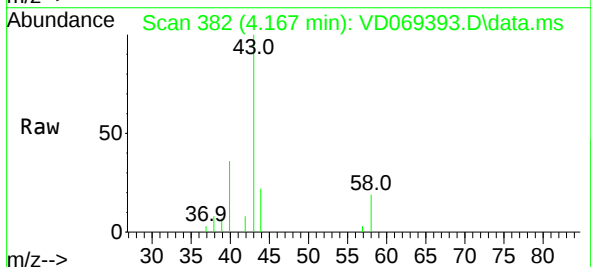
Tgt Ion: 59 Resp: 1399
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

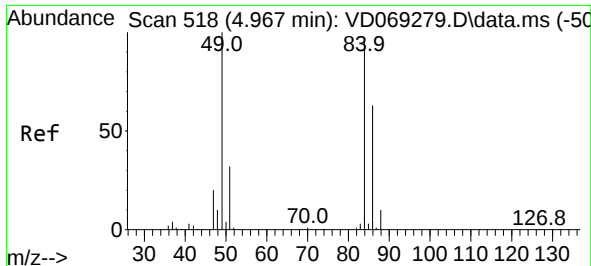


#16

Acetone
Concen: 25.644 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

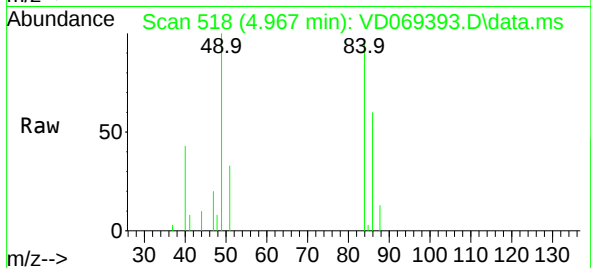
Tgt Ion: 43 Resp: 12692
Ion Ratio Lower Upper
43 100
58 18.8 27.5 41.3#



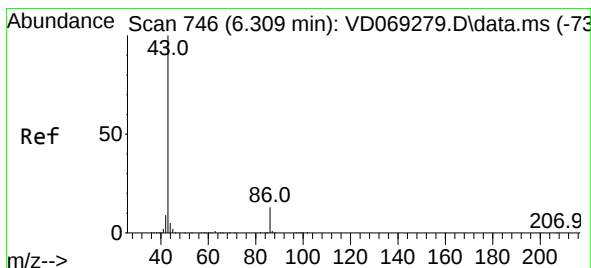
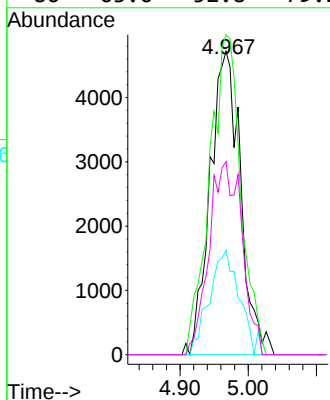
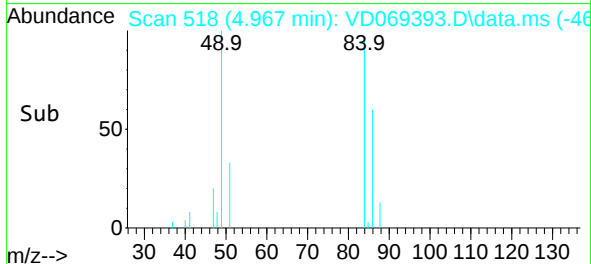


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

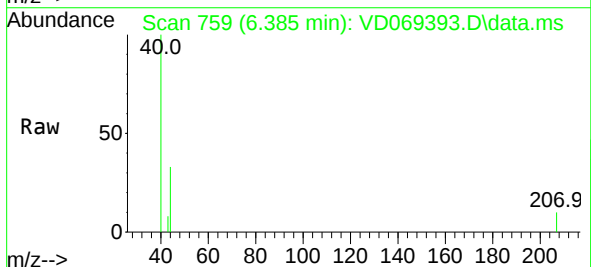
Instrument :
MSVOA_D
ClientSampled :



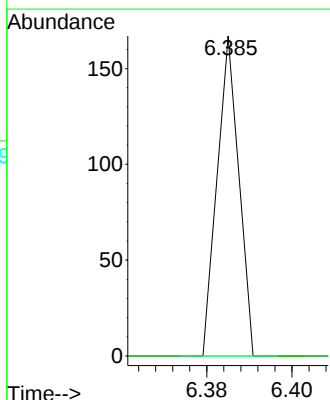
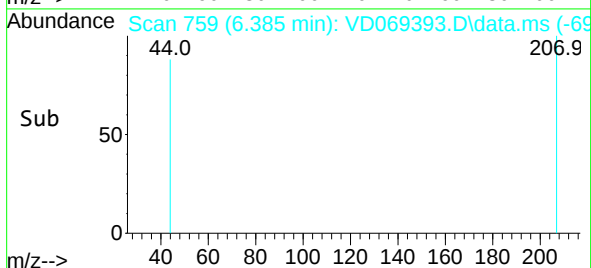
Tgt Ion:	84	Resp:	14678
Ion	Ratio	Lower	Upper
84	100		
49	105.5	83.7	125.5
51	34.3	26.4	39.6
86	63.6	52.8	79.2

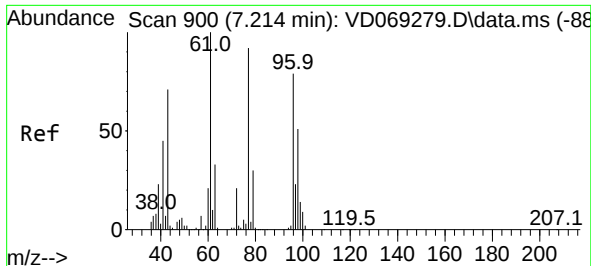


#23
Vinyl Acetate
Concen: 11.625 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.076 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12



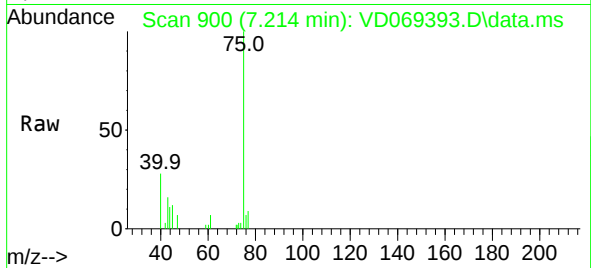
Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



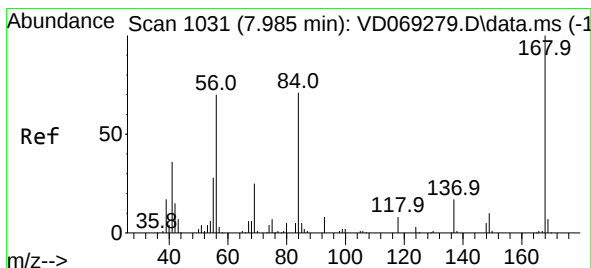
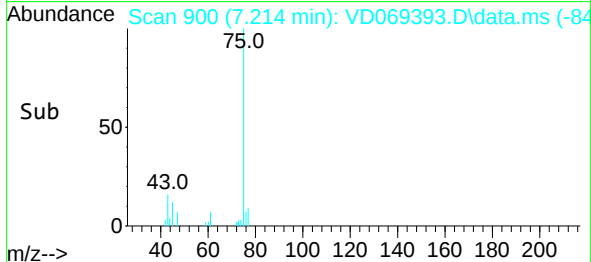
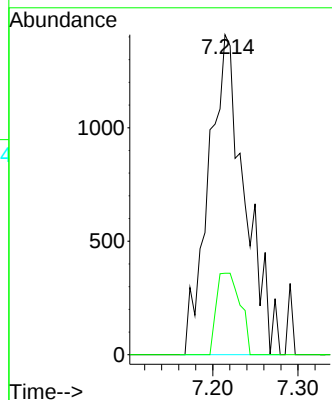


#25
2-Butanone
Concen: 6.398 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Instrument :
MSVOA_D
ClientSampled :

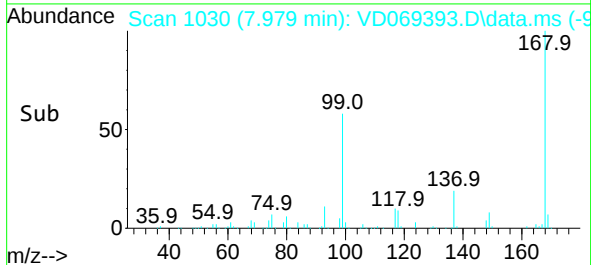
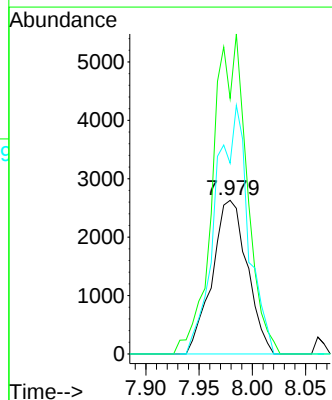
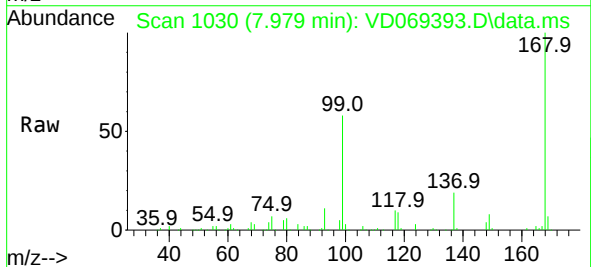


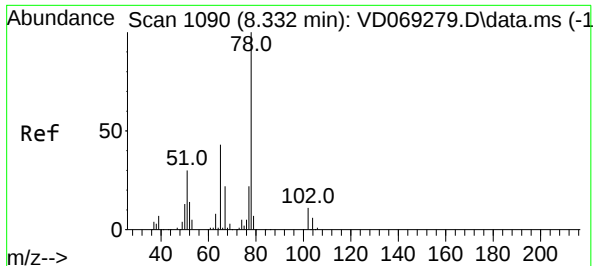
Tgt Ion: 43 Resp: 4167
Ion Ratio Lower Upper
43 100
72 25.5 23.9 35.9



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion: 56 Resp: 6028
Ion Ratio Lower Upper
56 100
69 166.2 29.0 43.4#
84 124.1 81.1 121.7#



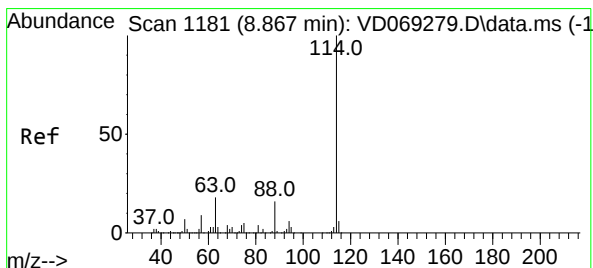
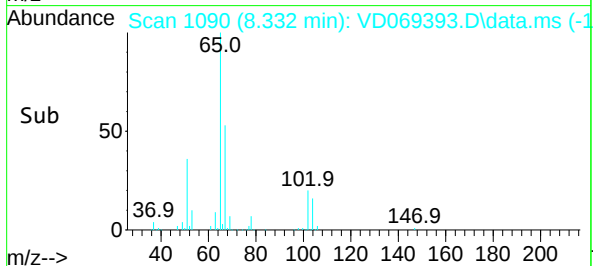
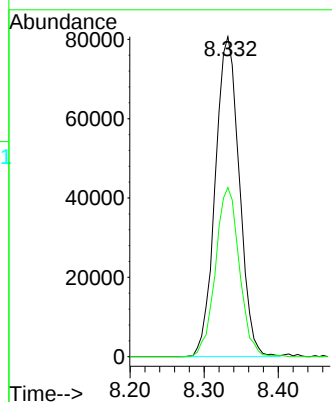
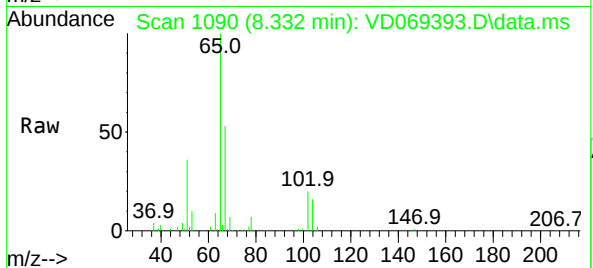


#33

1,2-Dichloroethane-d4
Concen: 63.975 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Instrument :
MSVOA_D
ClientSampleId :

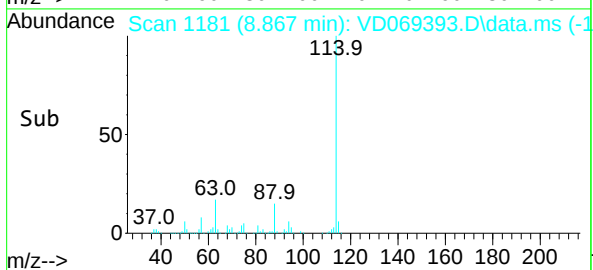
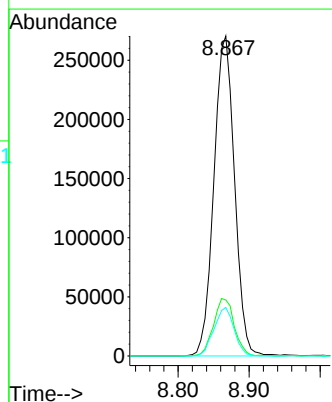
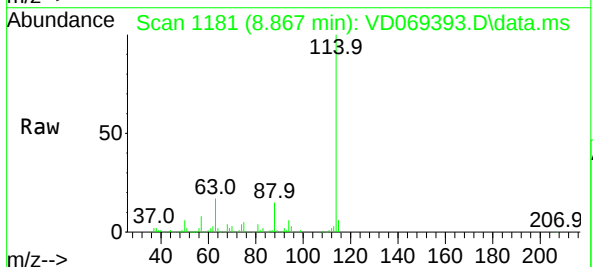
Tgt Ion: 65 Resp: 181441
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

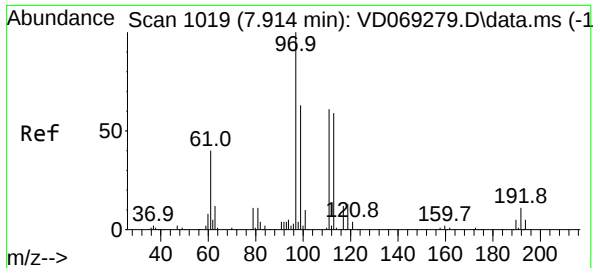


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion:114 Resp: 545164
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.6
88 15.2 0.0 31.2

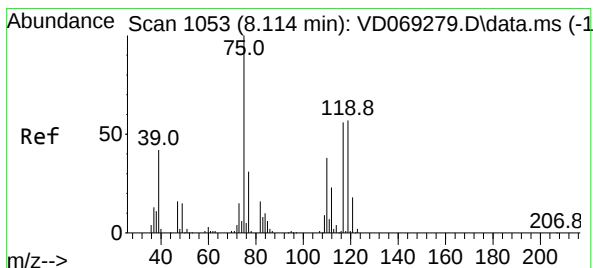
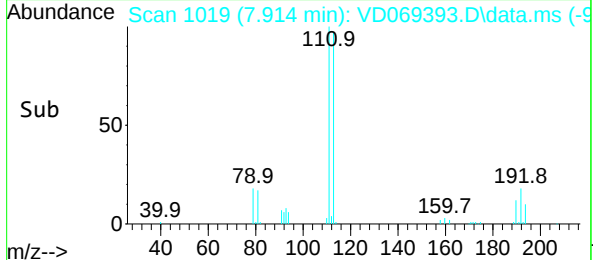
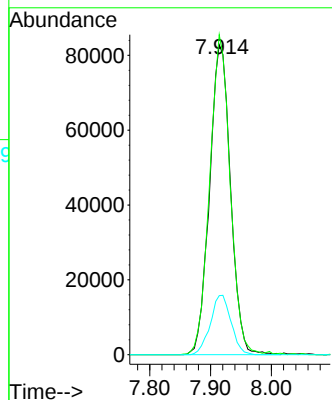
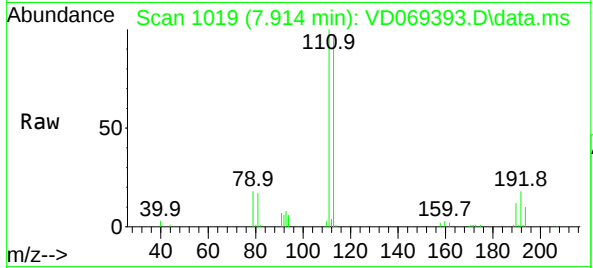




#35
Dibromofluoromethane
Concen: 57.883 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

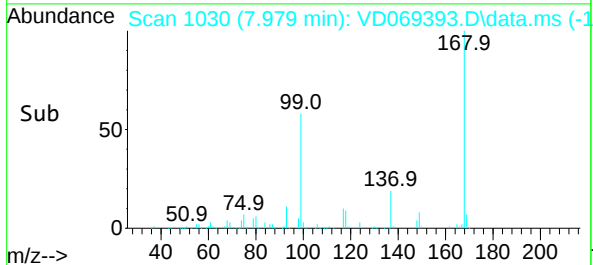
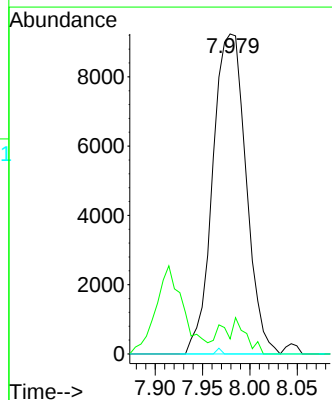
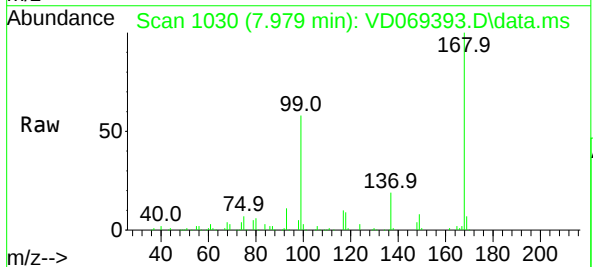
Instrument :
MSVOA_D
ClientSampled :

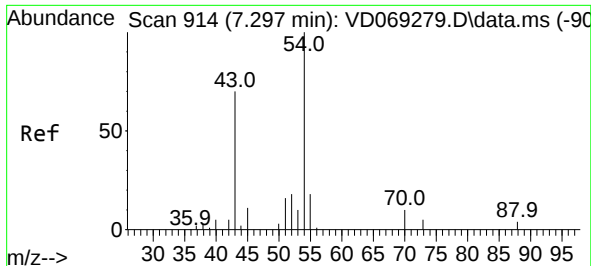
Tgt Ion:	113	Resp:	198164
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.0	124.6
192	18.9	15.1	22.7



#36
1,1-Dichloropropene
Concen: 4.259 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion:	75	Resp:	22567
Ion Ratio	Lower	Upper	
75	100		
110	4.4	18.4	55.2#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 2.316 ug/l

RT: 7.214 min Scan# 900

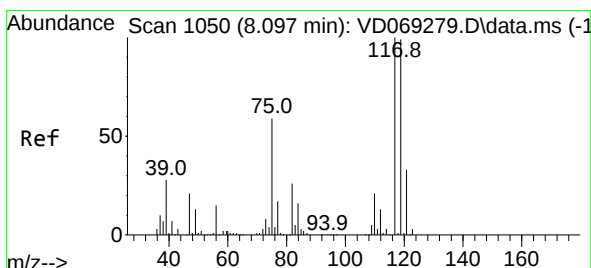
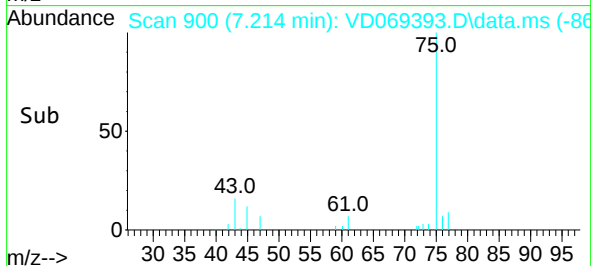
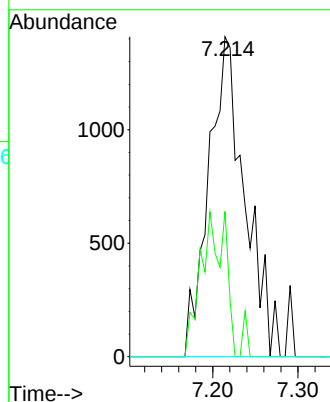
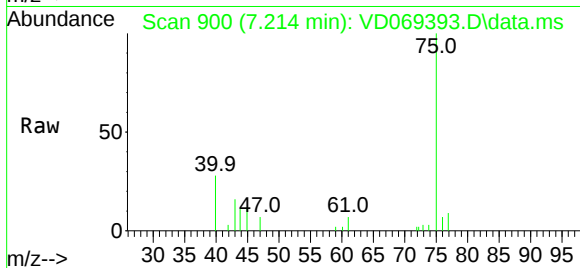
Delta R.T. -0.082 min

Lab File: VD069393.D

Acq: 08 Jun 2021 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43	Resp: 4167
Ion Ratio	Lower Upper
43 100	
61 30.3	11.0 16.6#
70 0.0	9.7 14.5#



#38

Carbon Tetrachloride

Concen: 5.245 ug/l

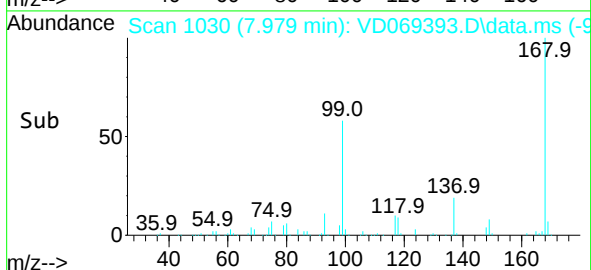
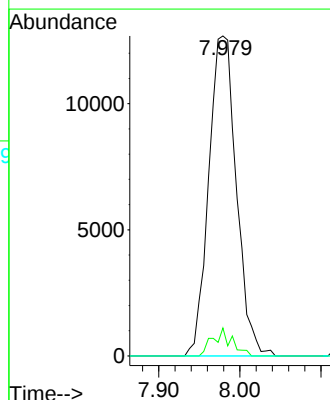
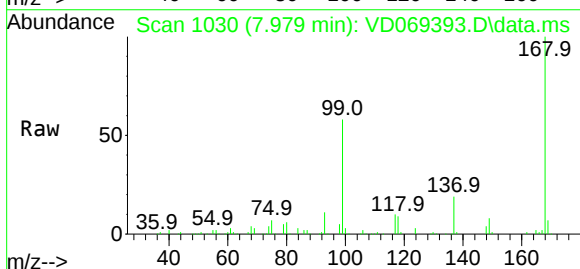
RT: 7.979 min Scan# 1030

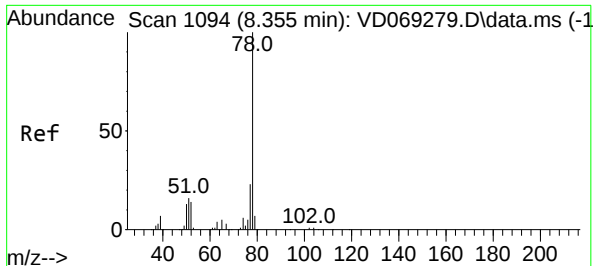
Delta R.T. -0.118 min

Lab File: VD069393.D

Acq: 08 Jun 2021 17:12

Tgt Ion: 117	Resp: 30006
Ion Ratio	Lower Upper
117 100	
119 8.8	79.4 119.2#
121 0.0	26.1 39.1#

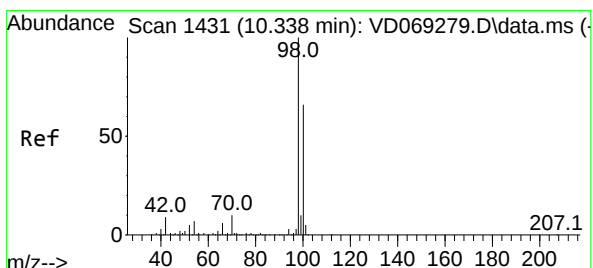
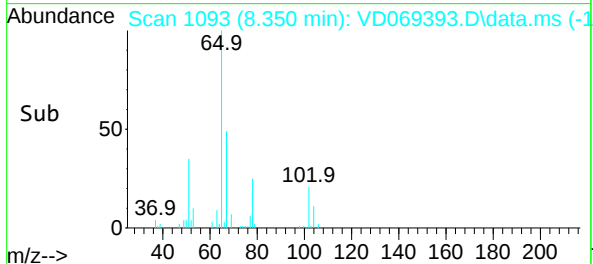
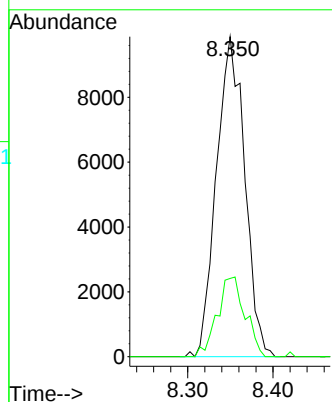
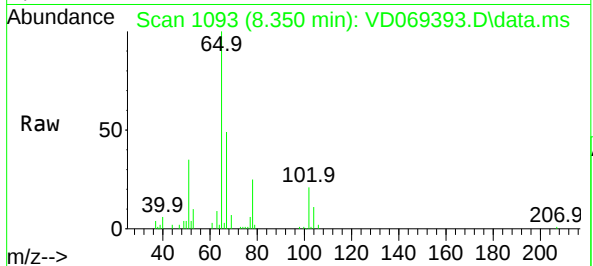




#40
Benzene
Concen: 1.478 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

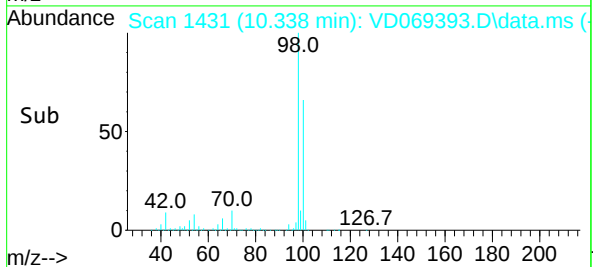
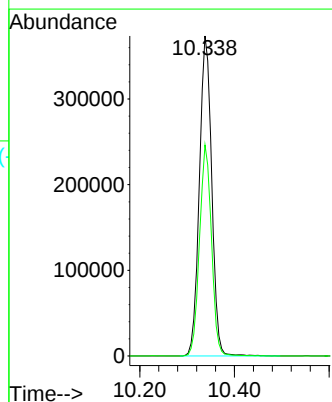
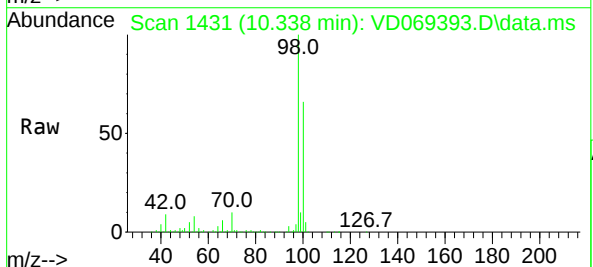
Instrument :
MSVOA_D
ClientSampled :

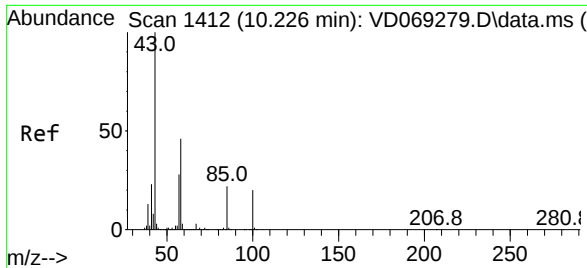
Tgt Ion: 78 Resp: 22754
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1



#50
Toluene-d8
Concen: 54.260 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion: 98 Resp: 675492
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

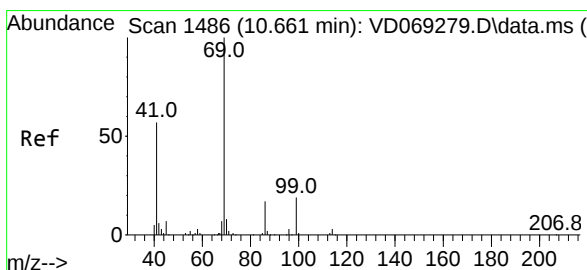
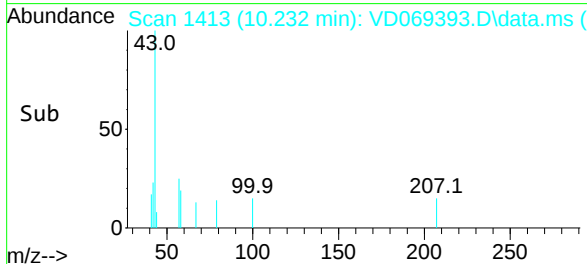
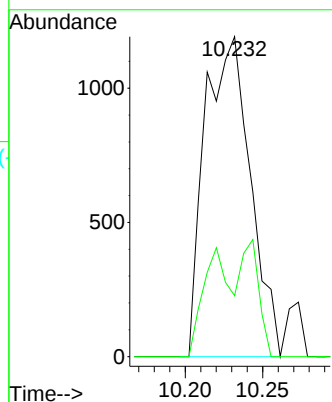
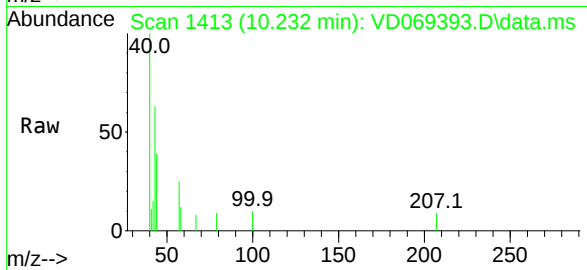




#51
4-Methyl-2-Pentanone
Concen: 1.438 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

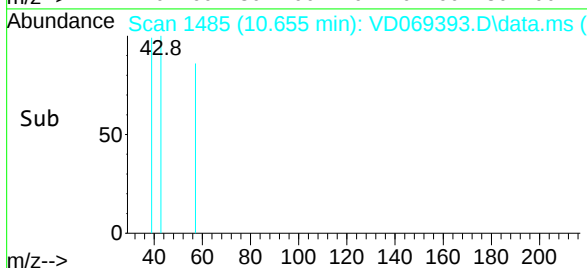
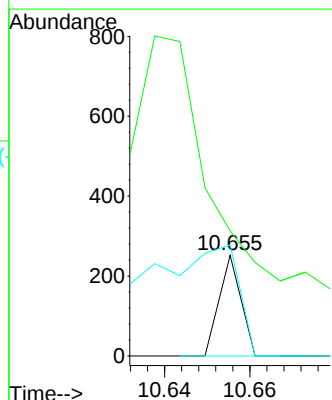
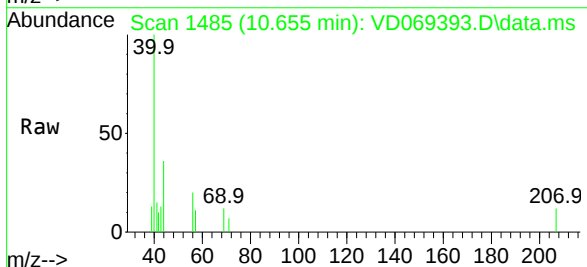
Instrument :
MSVOA_D
ClientSampled :

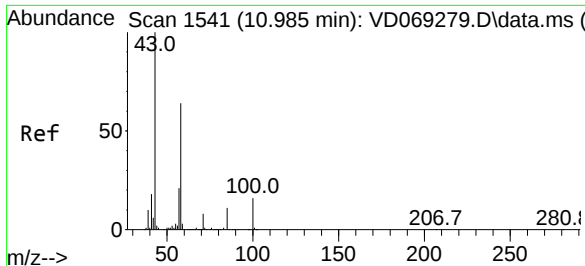
Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 14.2 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.663 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 2166.3 45.4 68.2#
39 609.0 21.7 32.5#

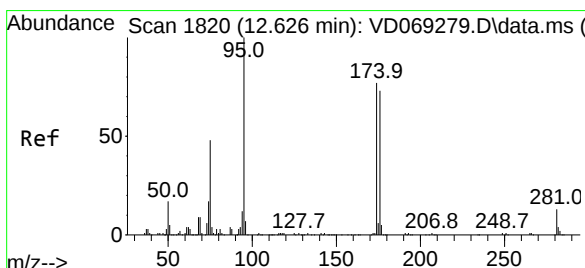
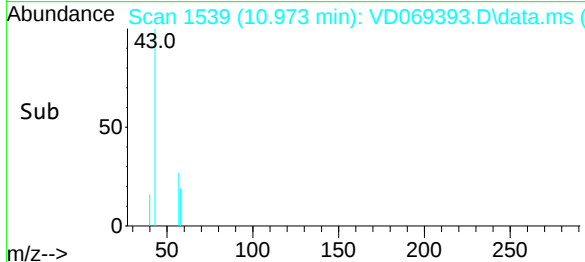
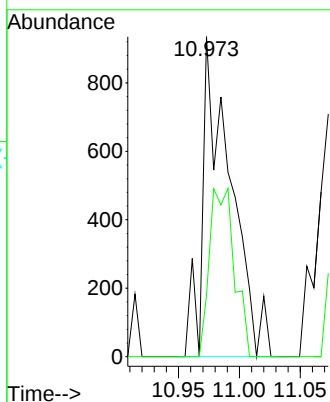
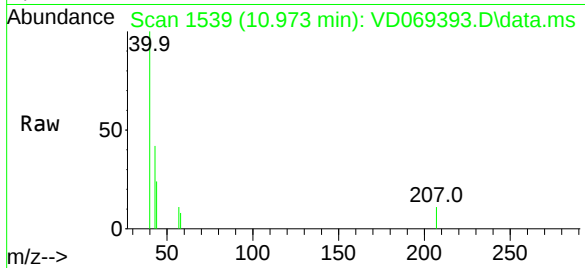




#59
2-Hexanone
Concen: 1.329 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.012 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

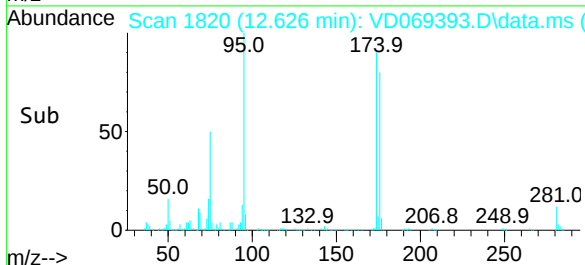
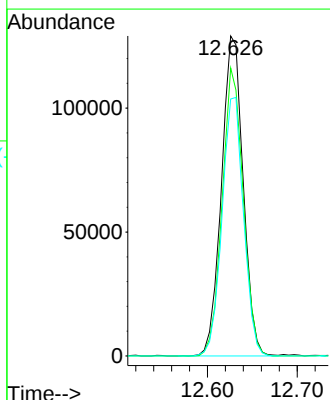
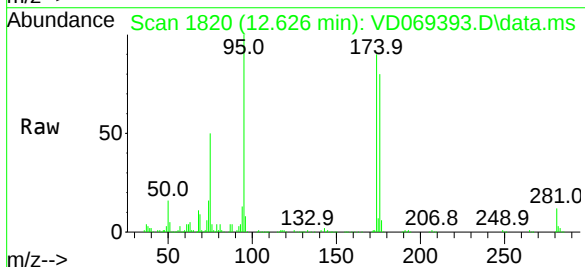
Instrument :
MSVOA_D
ClientSampled :

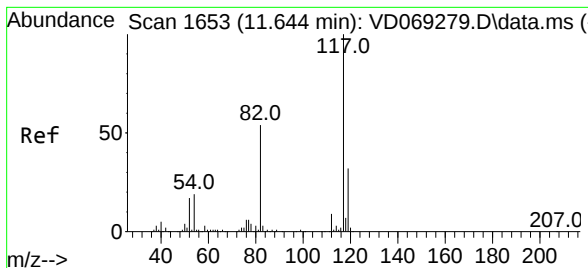
Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 46.6 30.8 92.3



#62
4-Bromofluorobenzene
Concen: 53.078 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion: 95 Resp: 216517
Ion Ratio Lower Upper
95 100
174 87.1 0.0 162.8
176 80.1 0.0 154.4

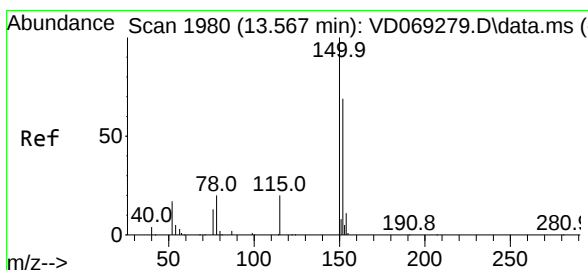
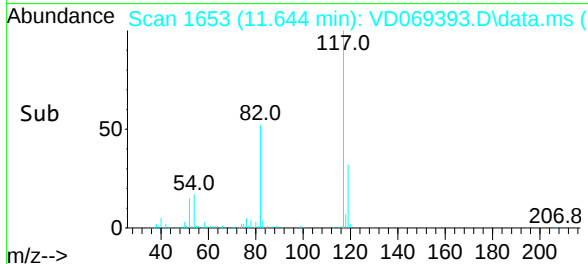
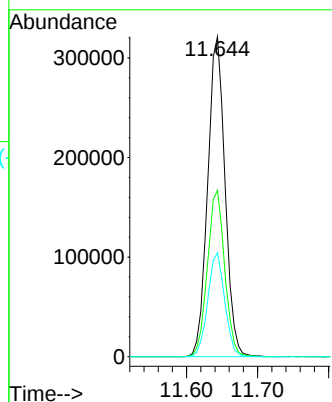
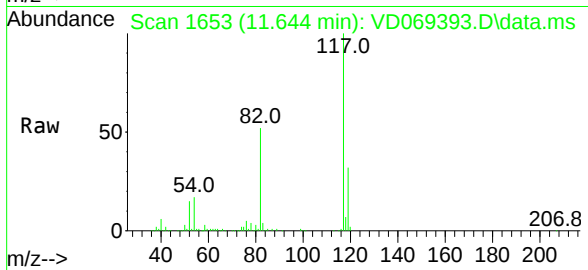




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

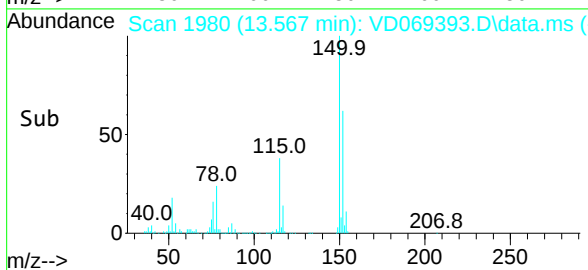
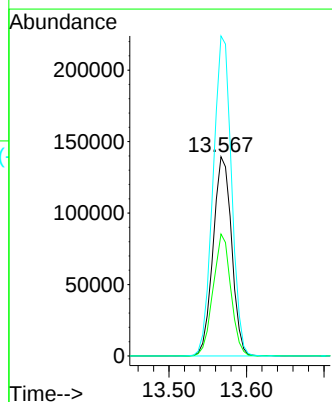
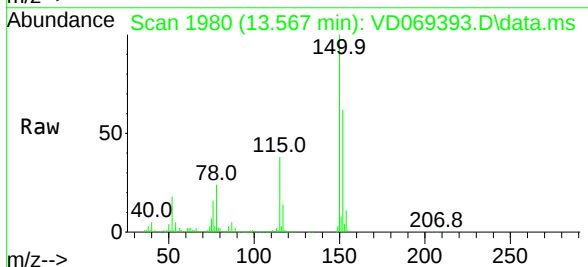
Instrument :
MSVOA_D
ClientSampleId :

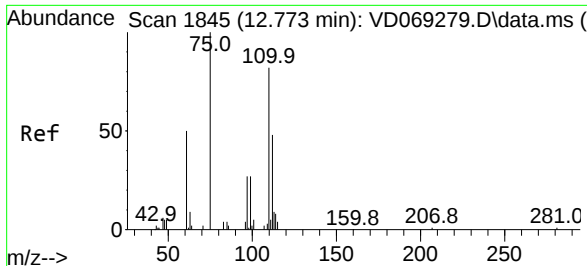
Tgt Ion:117 Resp: 545084
Ion Ratio Lower Upper
117 100
82 52.0 43.3 64.9
119 32.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion:152 Resp: 231754
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.3
150 159.4 0.0 355.0

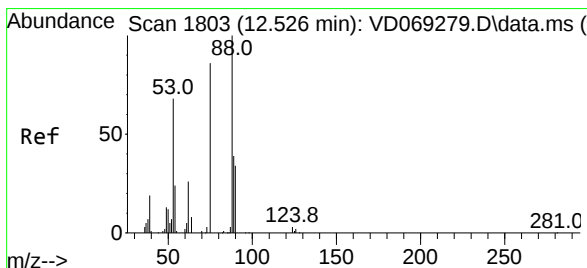
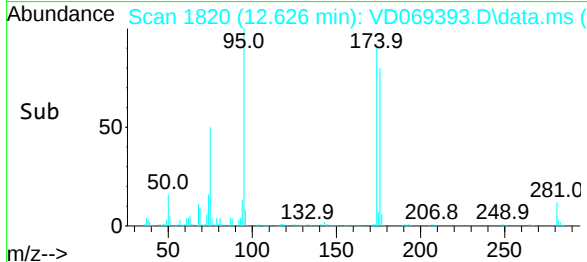
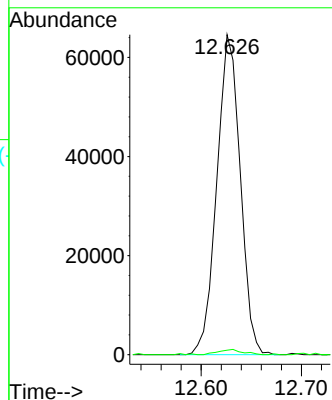
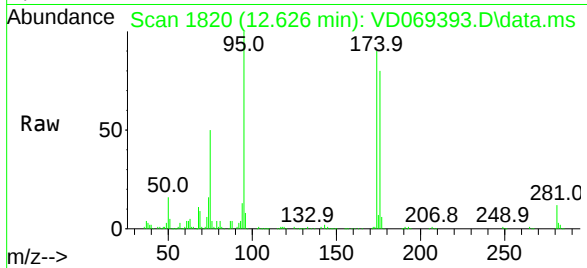




#76
1,2,3-Trichloropropane
Concen: 52.073 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

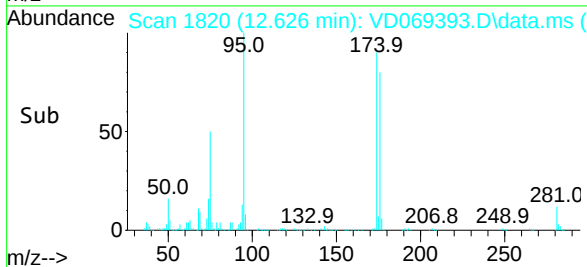
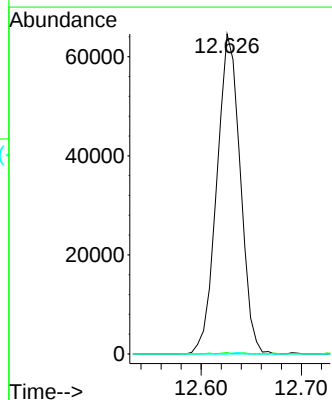
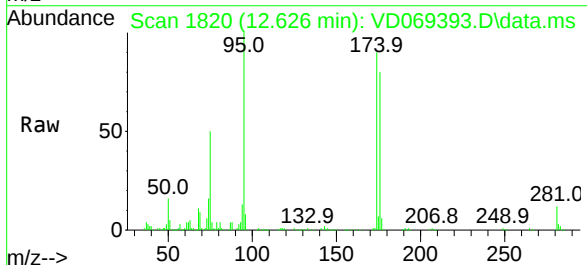
Instrument :
MSVOA_D
ClientSampled :

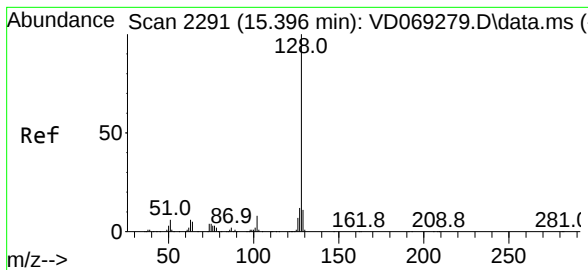
Tgt Ion: 75 Resp: 104852
Ion Ratio Lower Upper
75 100
77 1.7 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.394 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Tgt Ion: 75 Resp: 104852
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 15.032 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069393.D
Acq: 08 Jun 2021 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 99329
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 12.5 8.8 13.2

