

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069891.D
 Acq On : 28 Jul 2021 16:22
 Operator : VA/SY
 Sample : M3215-02
 Misc : 5.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 04:00:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

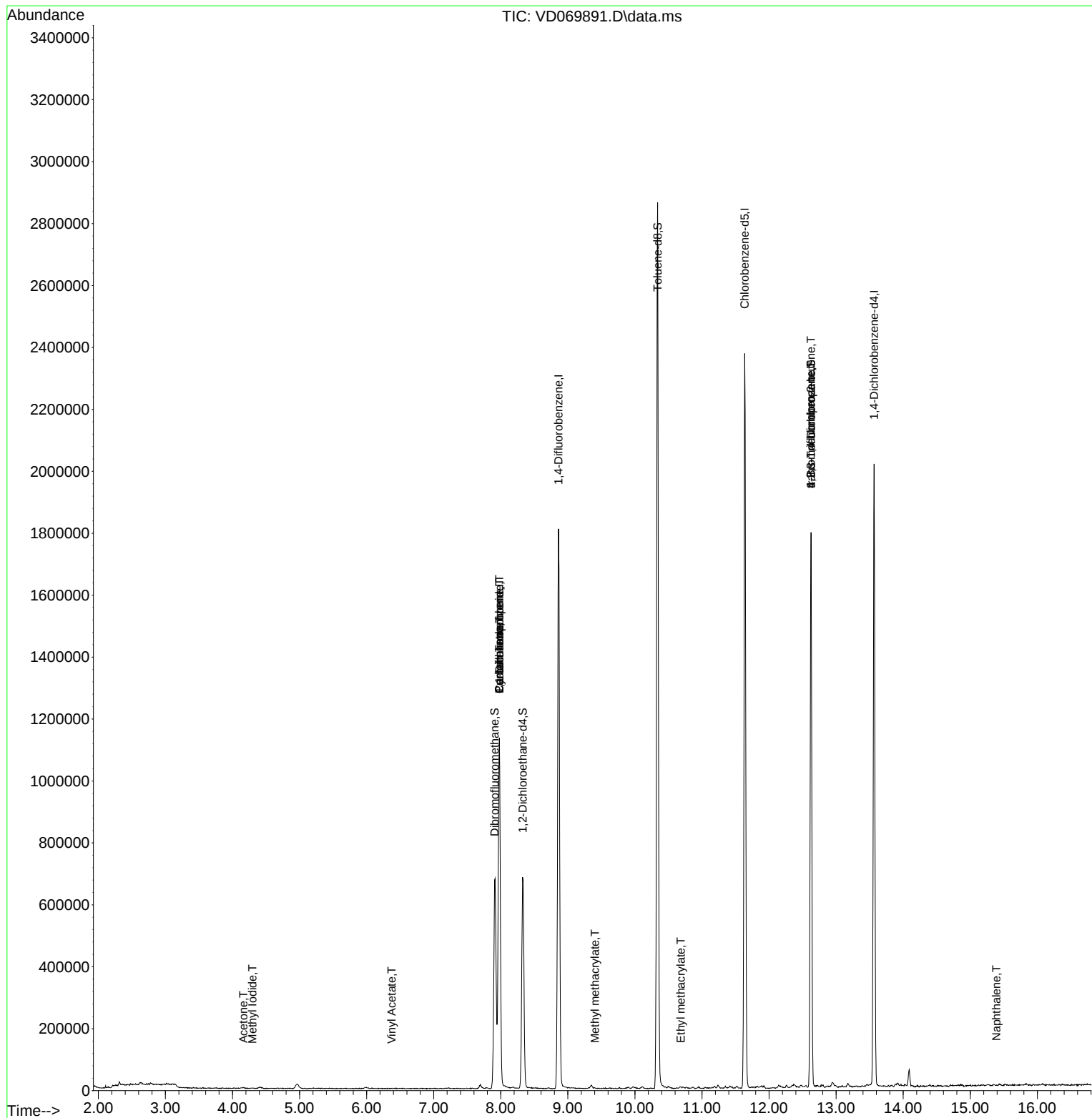
Internal Standards						
1) Pentafluorobenzene	7.979	168	804461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1550356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1390322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	524545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	552840	59.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.500%			
35) Dibromofluoromethane	7.908	113	512539	52.442	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.880%			
50) Toluene-d8	10.338	98	1962775	52.083	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.626	95	591508	46.965	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.920%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	3554	Below Cal		91
10) Methyl Iodide	4.297	142	1221	3.576 ug/l #		40
16) Acetone	4.161	43	3563	2.132 ug/l		91
20) Methylene Chloride	4.961	84	11519	Below Cal #		94
23) Vinyl Acetate	6.373	43	191	20.360 ug/l #		71
31) Cyclohexane	7.979	56	20483	1.133 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	70089	4.189 ug/l #		50
38) Carbon Tetrachloride	7.979	117	86946	5.689 ug/l #		17
48) Methyl methacrylate	9.402	41	309	2.797 ug/l #		34
56) Ethyl methacrylate	10.685	69	616	3.948 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	286692	51.420 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	286692	155.994 ug/l #		16
95) Naphthalene	15.390	128	372	5.018 ug/l #		75

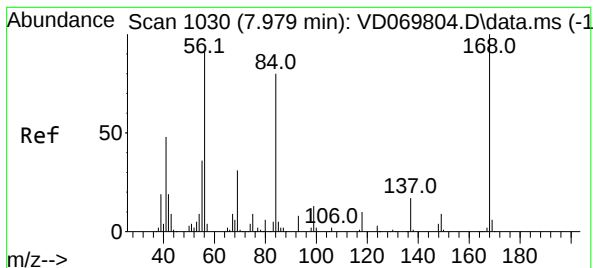
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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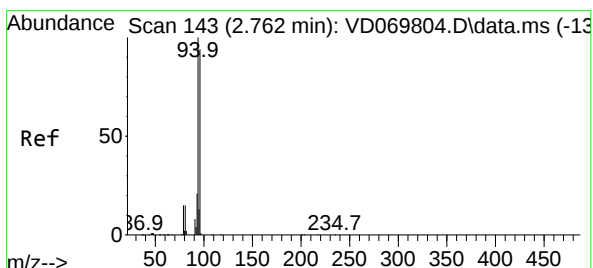
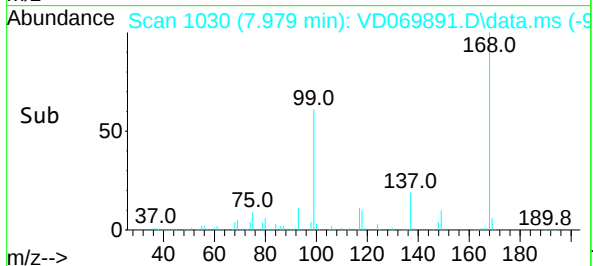
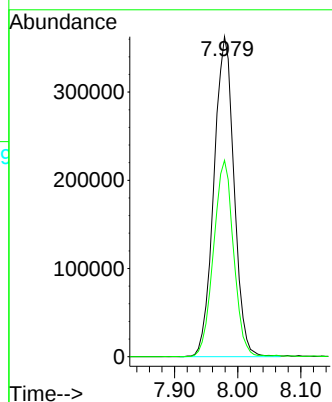
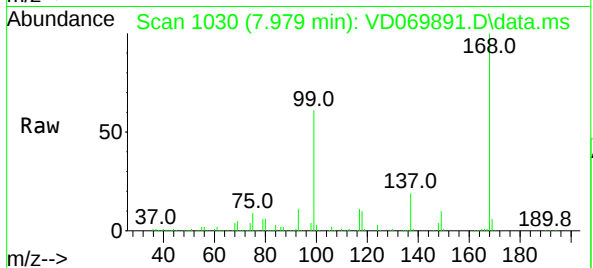




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

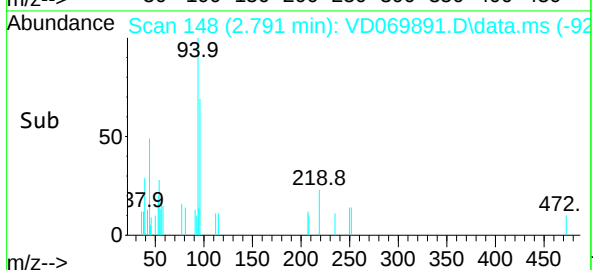
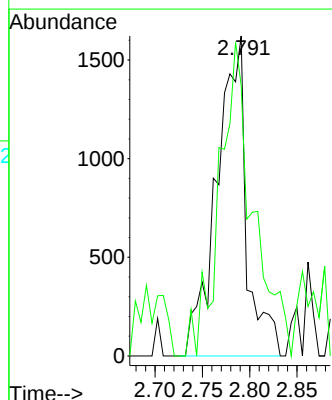
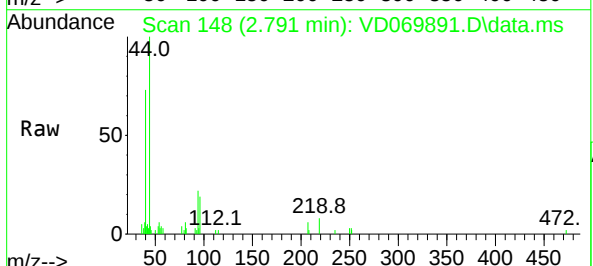
Instrument :
MSVOA_D
ClientSampled :

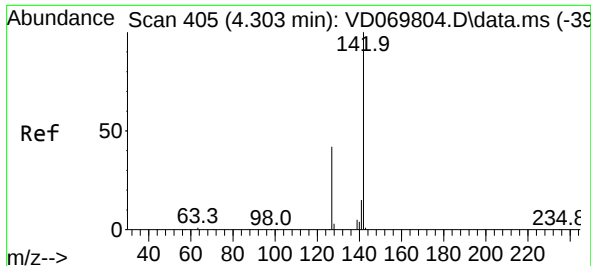
Tgt Ion:168 Resp: 804461
Ion Ratio Lower Upper
168 100
99 61.4 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

Tgt Ion: 94 Resp: 3554
Ion Ratio Lower Upper
94 100
96 84.6 74.8 112.2

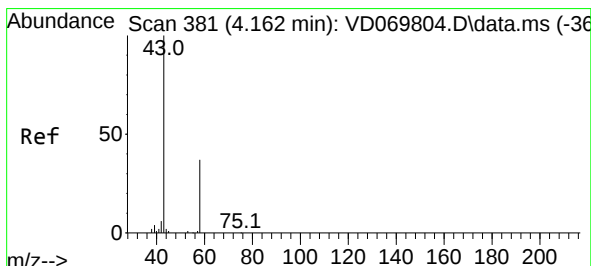
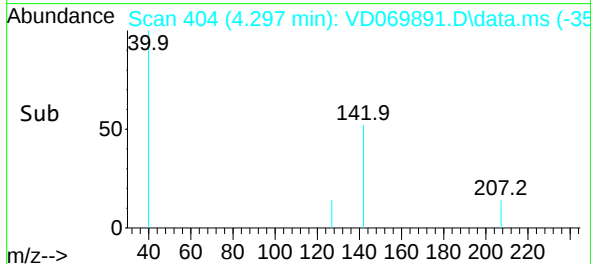
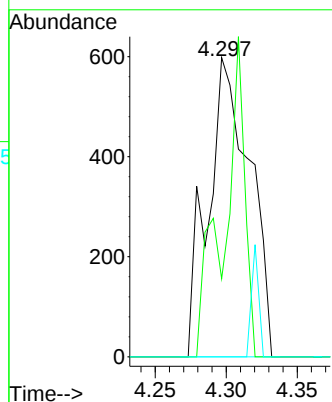
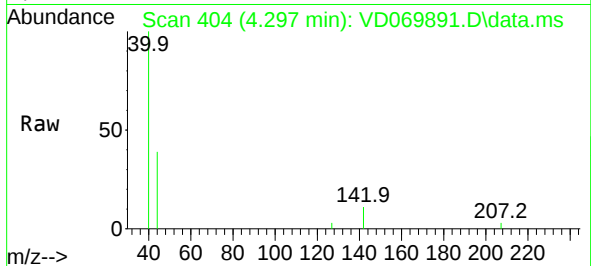




#10
Methyl Iodide
Concen: 3.576 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

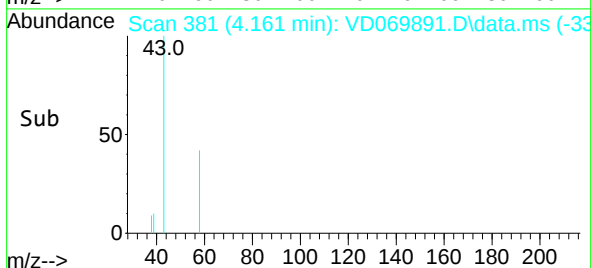
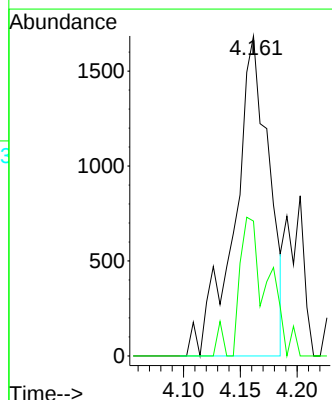
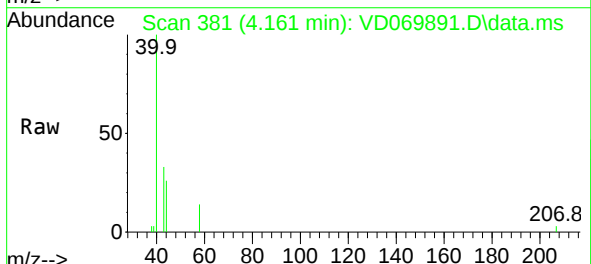
Instrument :
MSVOA_D
ClientSampleId :

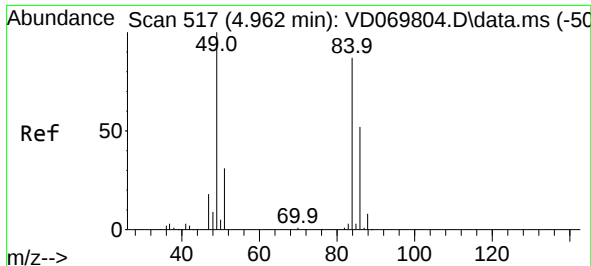
Tgt Ion:142 Resp: 1221
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 2.132 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
58 42.1 29.4 44.0

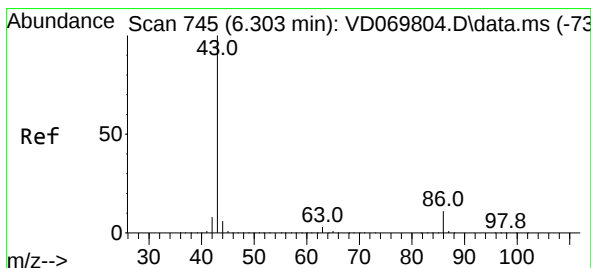
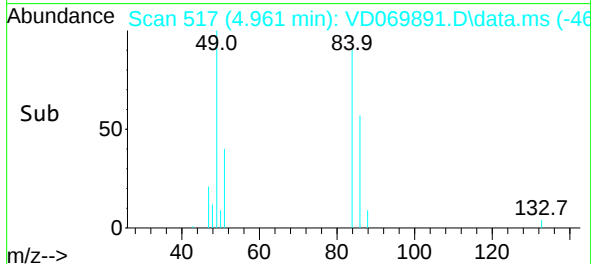
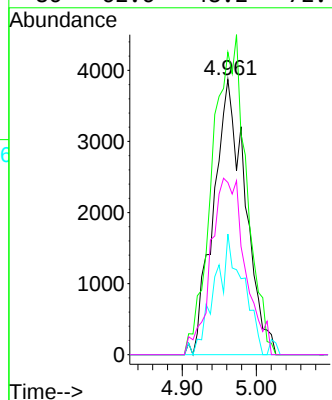
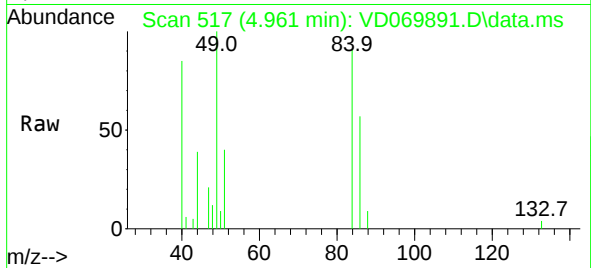




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

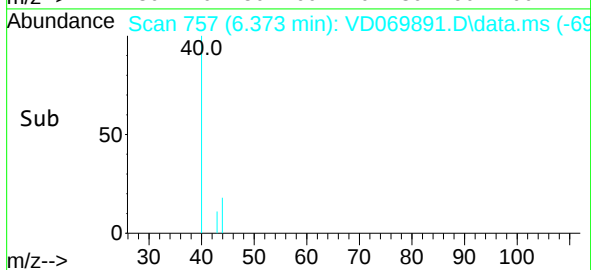
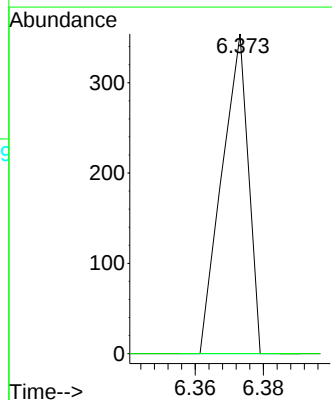
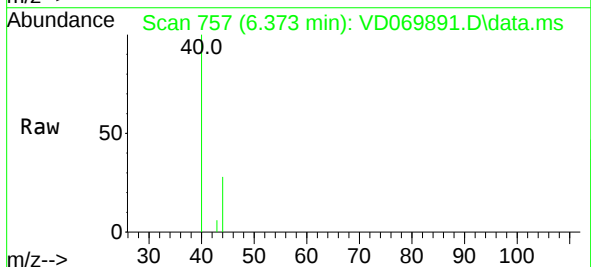
Instrument :
MSVOA_D
ClientSampleId :

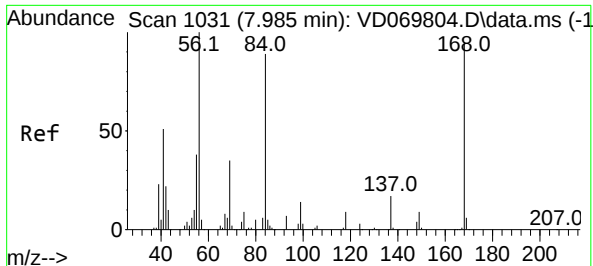
Tgt Ion:	84	Resp:	11519
Ion	Ratio	Lower	Upper
84	100		
49	109.9	92.4	138.6
51	43.8	28.5	42.7#
86	62.6	48.2	72.4



#23
Vinyl Acetate
Concen: 20.360 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.070 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

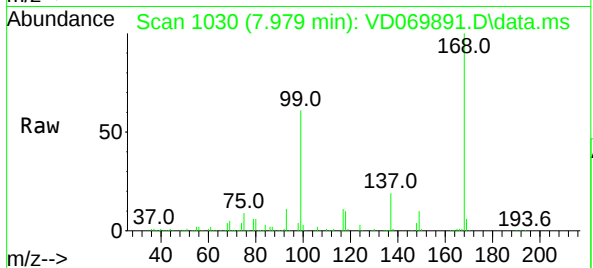
Tgt Ion:	43	Resp:	191
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



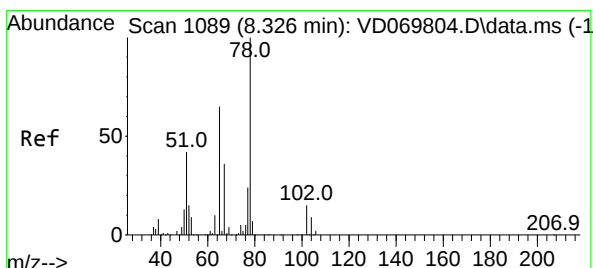
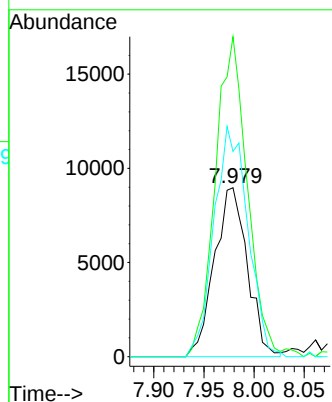
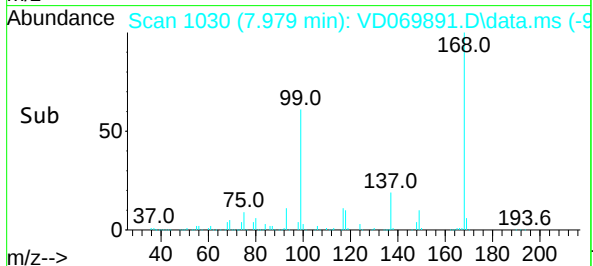


#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

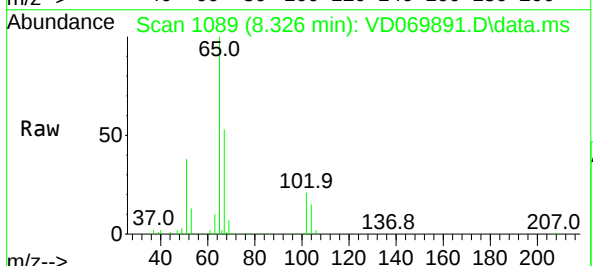
Instrument :
MSVOA_D
ClientSampled :



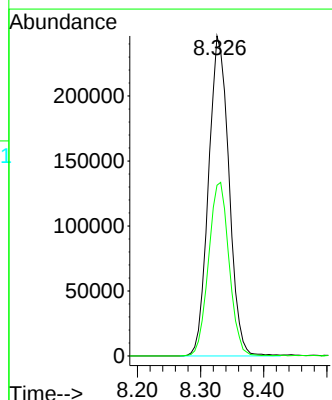
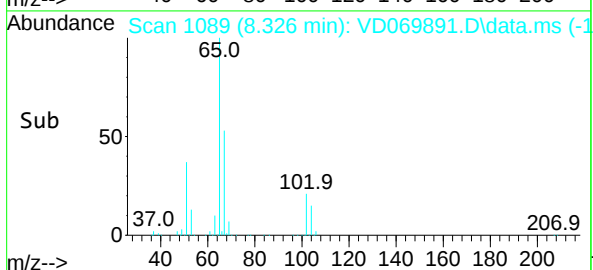
Tgt Ion: 56 Resp: 20483
Ion Ratio Lower Upper
56 100
69 189.4 27.9 41.9#
84 121.5 71.4 107.2#

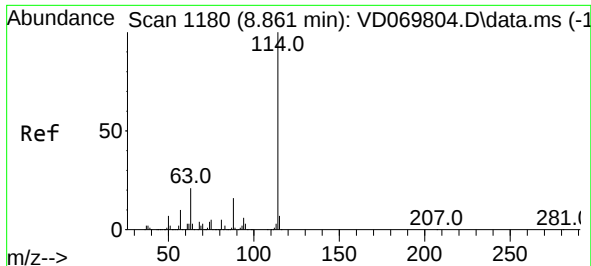


#33
1,2-Dichloroethane-d4
Concen: 59.753 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22



Tgt Ion: 65 Resp: 552840
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2

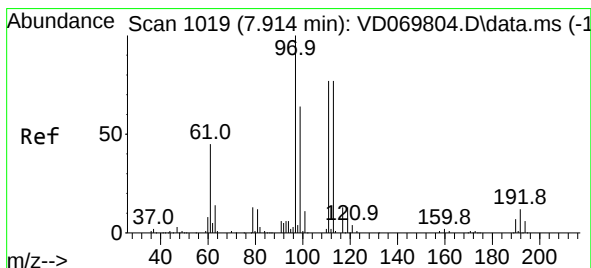
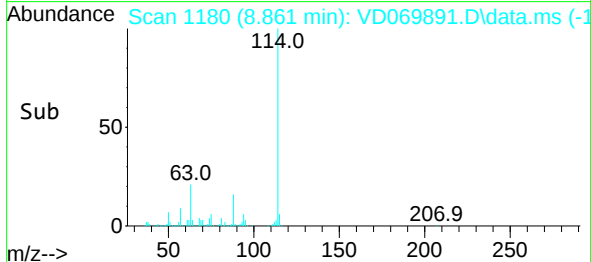
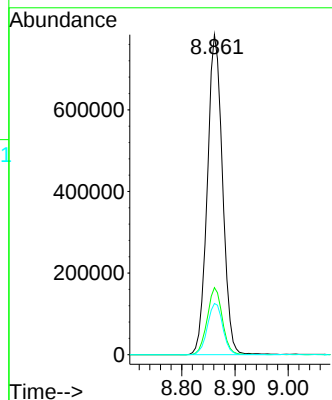
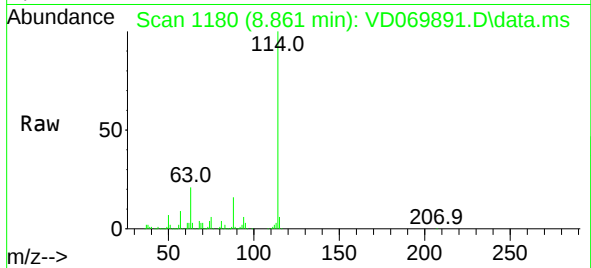




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

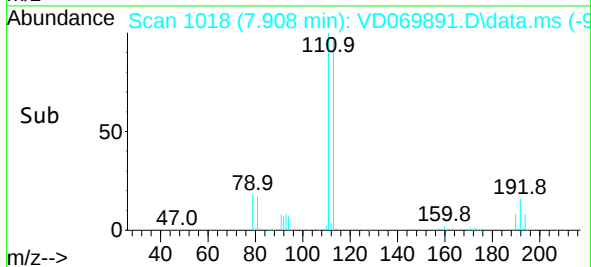
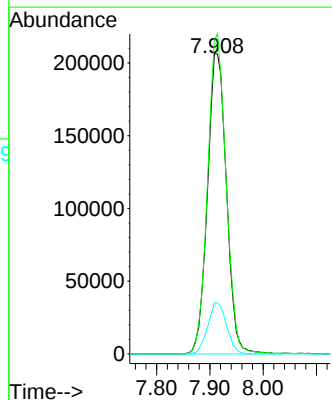
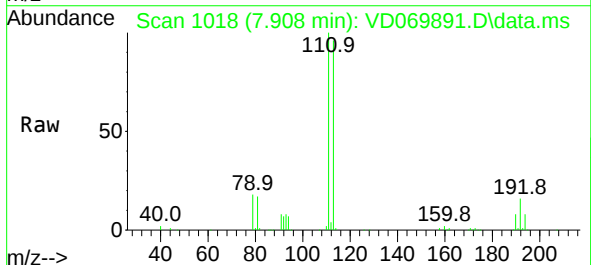
Instrument :
MSVOA_D
ClientSampleId :

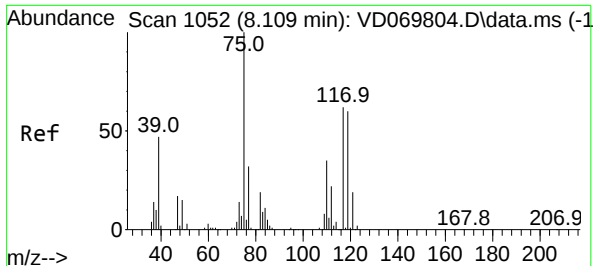
Tgt Ion:114 Resp: 1550356
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

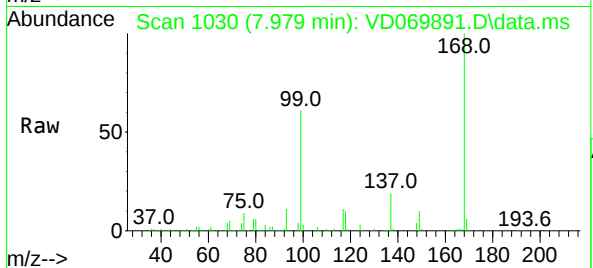
Tgt Ion:113 Resp: 512539
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 16.9 12.6 19.0



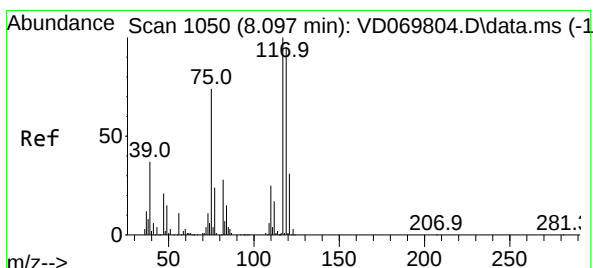
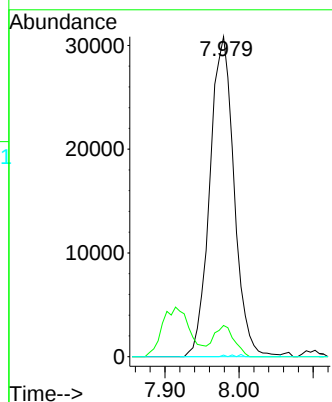
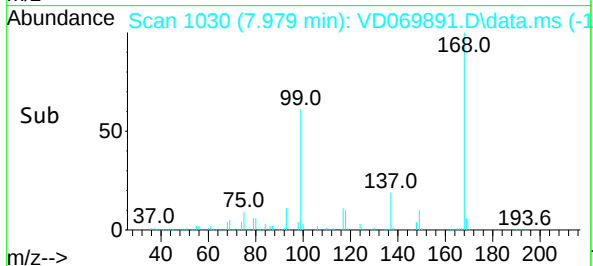


#36
1,1-Dichloropropene
Concen: 4.189 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

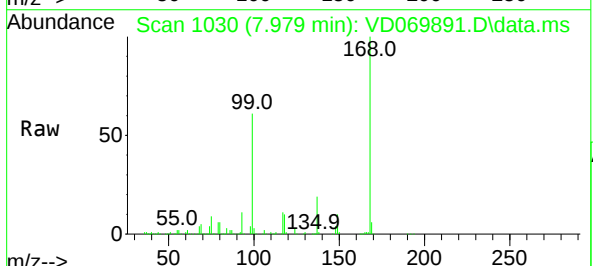
Instrument :
MSVOA_D
ClientSampled :



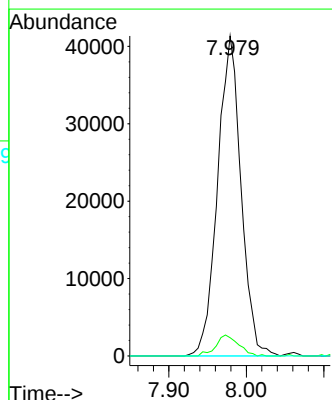
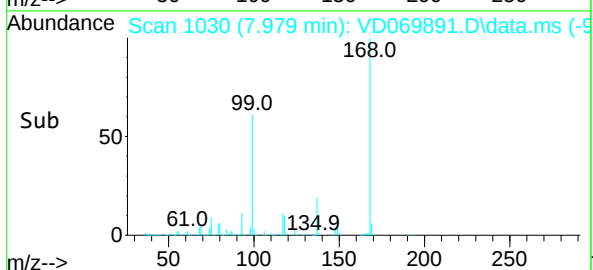
Tgt Ion: 75 Resp: 70089
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22



Tgt Ion: 117 Resp: 86946
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.797 ug/l

RT: 9.402 min Scan# 1272

Delta R.T. -0.048 min

Lab File: VD069891.D

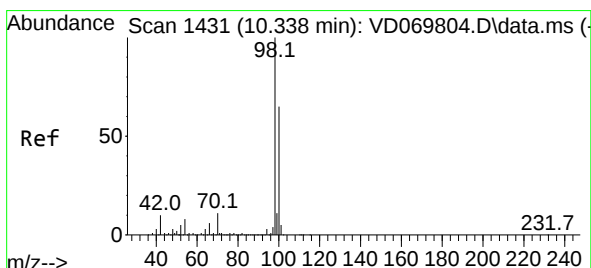
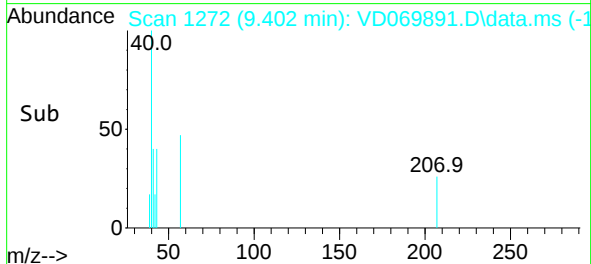
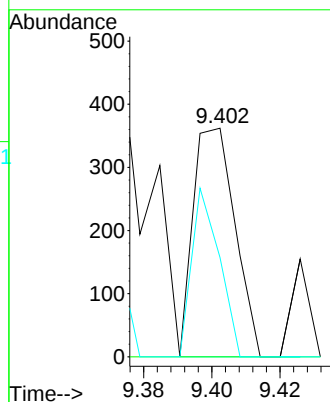
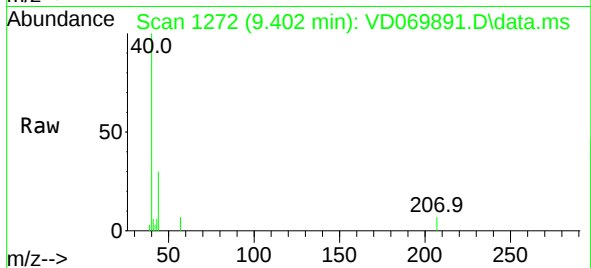
Acq: 28 Jul 2021 16:22

Instrument :

MSVOA_D

ClientSampled :

Tgt Ion:	41	Resp:	309
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	48.5	36.6	55.0



#50

Toluene-d8

Concen: 52.083 ug/l

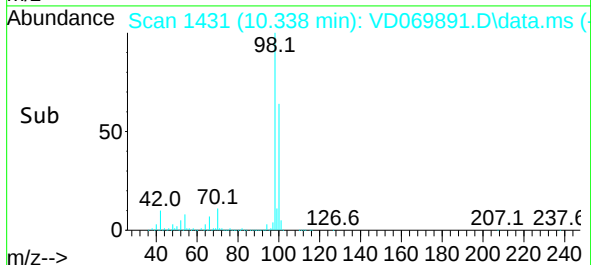
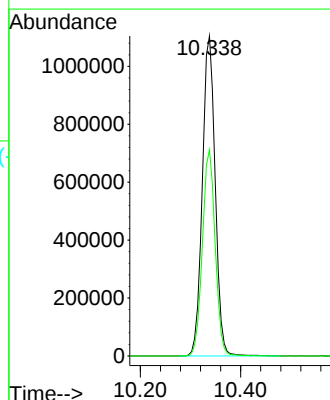
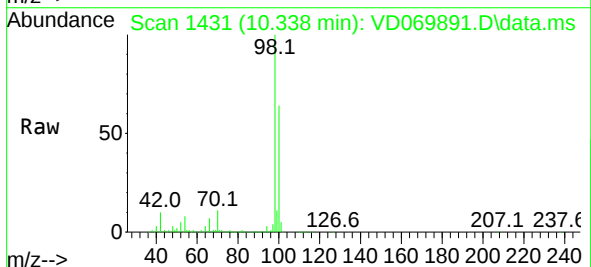
RT: 10.338 min Scan# 1431

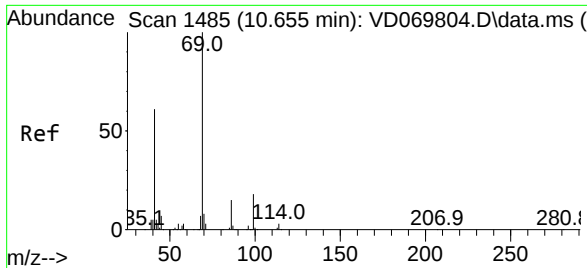
Delta R.T. -0.000 min

Lab File: VD069891.D

Acq: 28 Jul 2021 16:22

Tgt Ion:	98	Resp:	1962775
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9

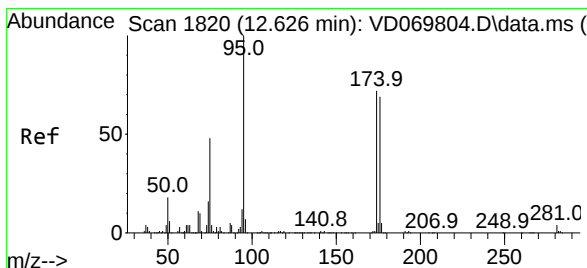
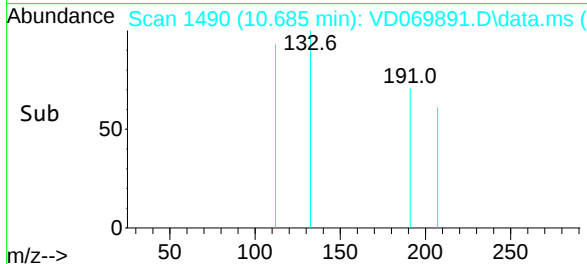
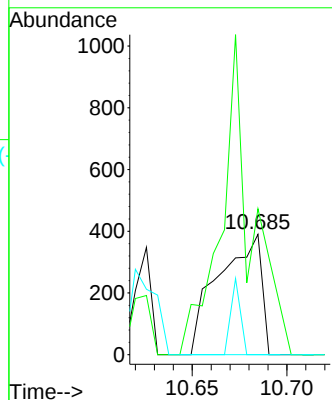
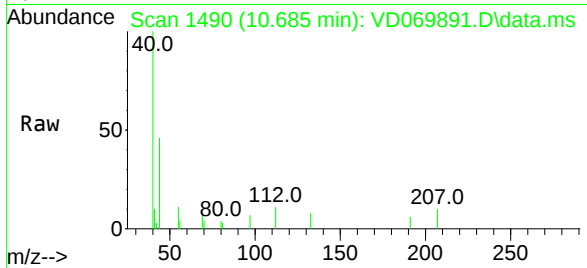




#56
Ethyl methacrylate
Concen: 3.948 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.030 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

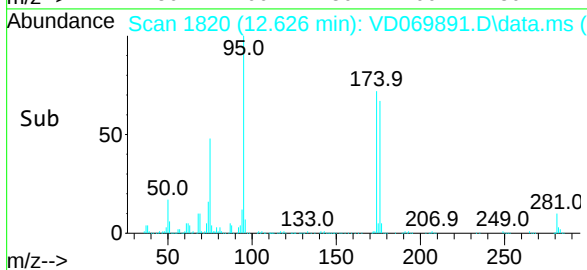
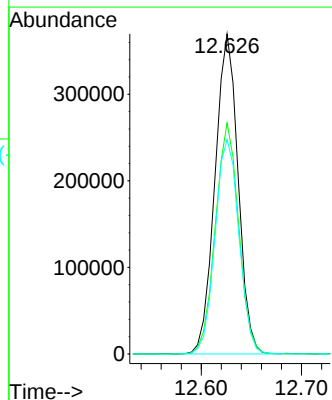
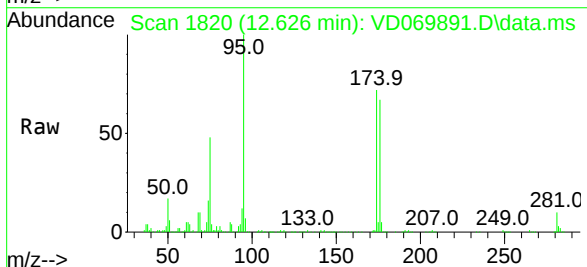
Instrument :
MSVOA_D
ClientSampleId :

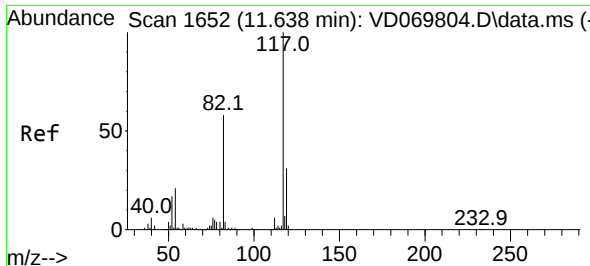
Tgt Ion: 69 Resp: 616
Ion Ratio Lower Upper
69 100
41 187.2 50.2 75.2#
39 14.1 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 46.965 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

Tgt Ion: 95 Resp: 591508
Ion Ratio Lower Upper
95 100
174 73.1 0.0 142.6
176 69.3 0.0 134.2

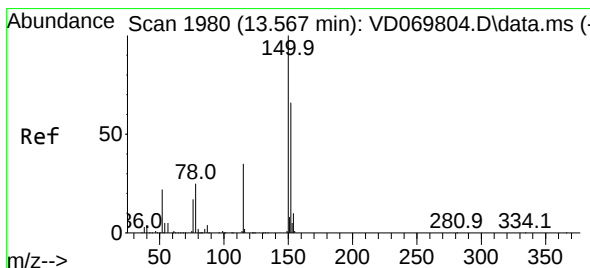
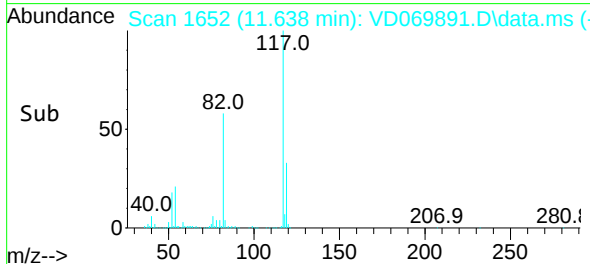
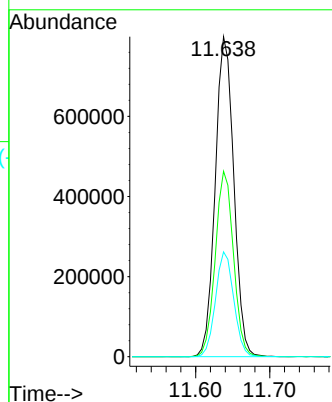
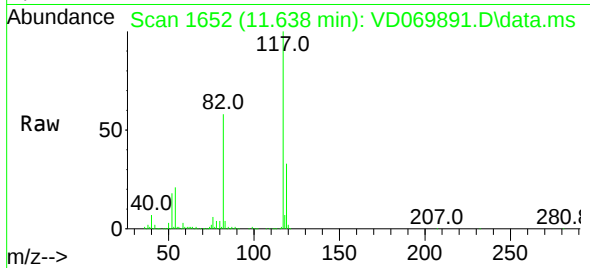




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

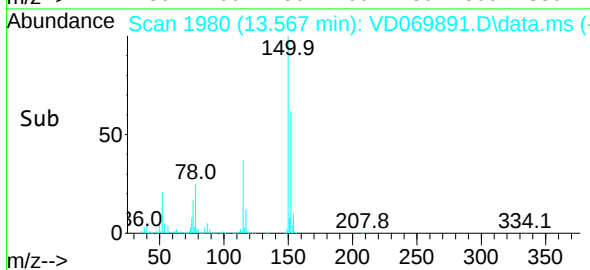
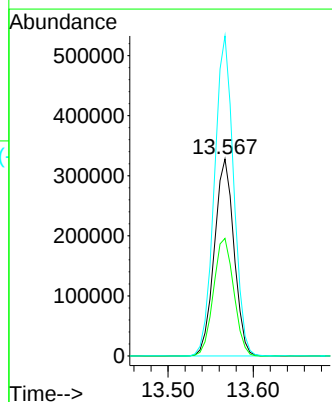
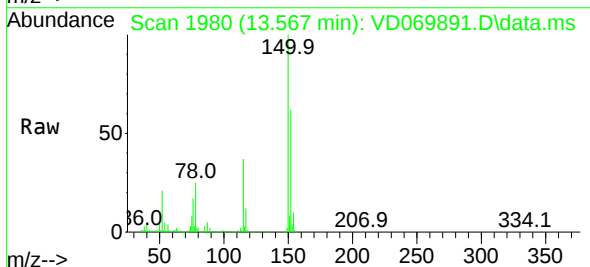
Instrument :
MSVOA_D
ClientSampleId :

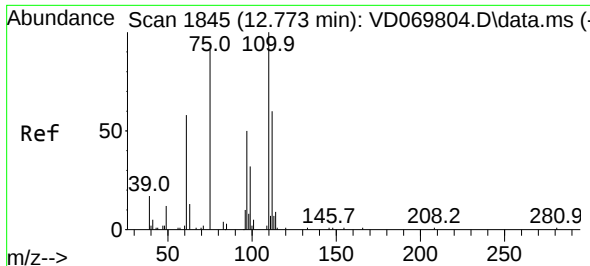
Tgt Ion:117 Resp: 1390322
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 32.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

Tgt Ion:152 Resp: 524545
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 159.4 0.0 343.0

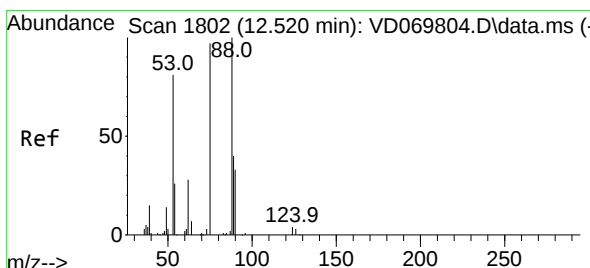
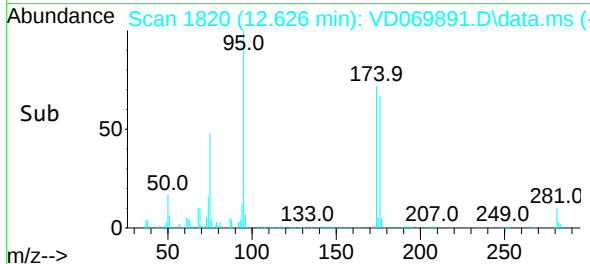
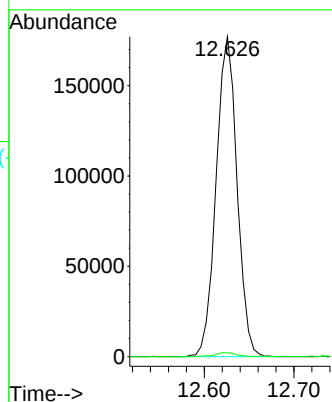
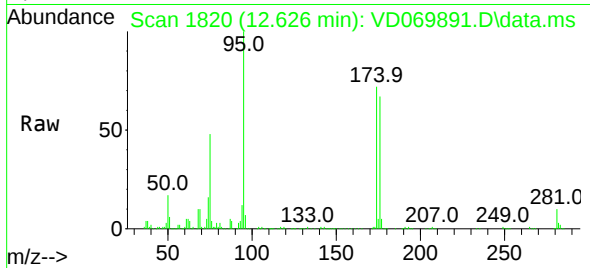




#76
1,2,3-Trichloropropane
Concen: 51.420 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

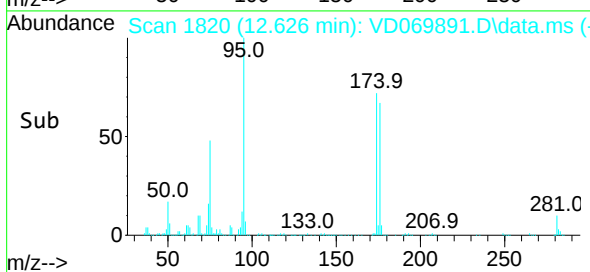
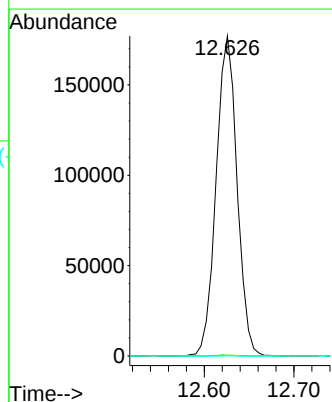
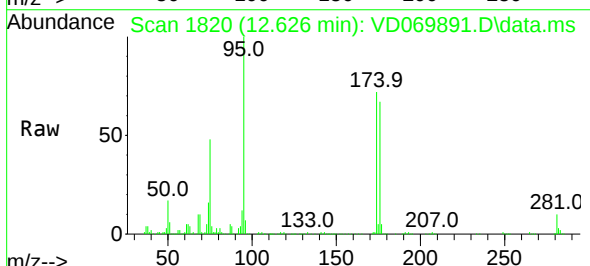
Instrument :
MSVOA_D
ClientSampleId :

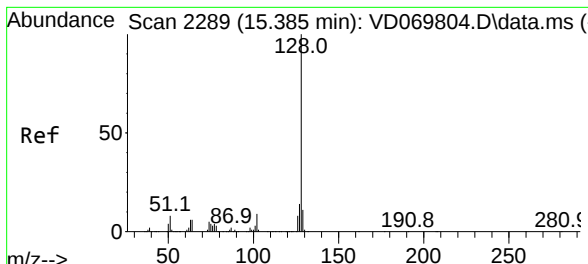
Tgt Ion: 75 Resp: 286692
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

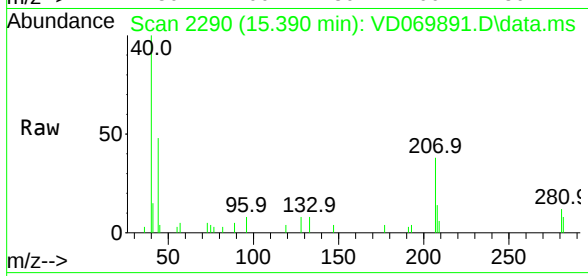
Tgt Ion: 75 Resp: 286692
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069891.D
Acq: 28 Jul 2021 16:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	372
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	16.0#
129	16.7	8.6	12.8#

