

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069792.D
 Acq On : 21 Jul 2021 15:46
 Operator : VA/SY
 Sample : M3089-14
 Misc : 4.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:41:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

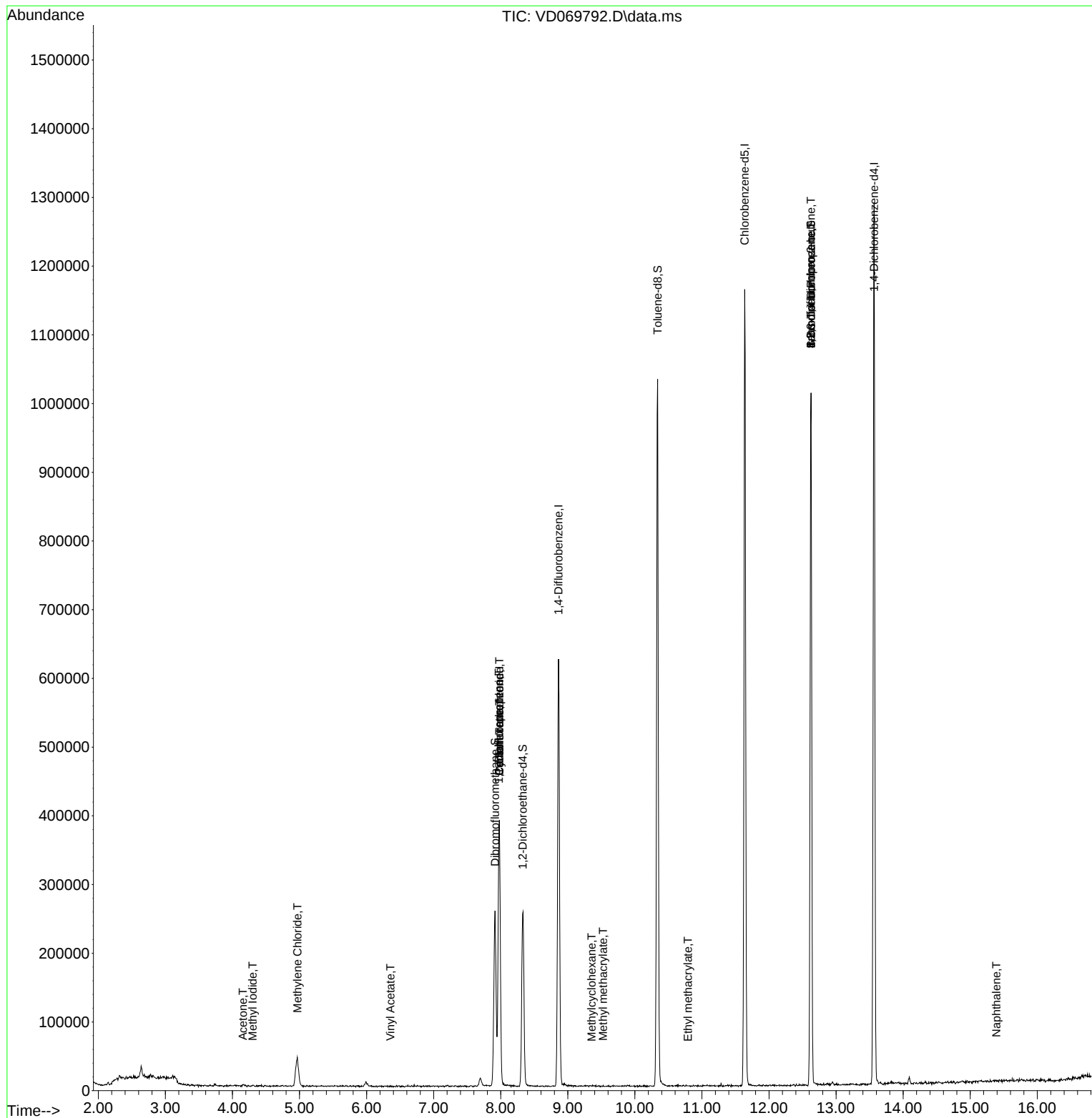
Internal Standards						
1) Pentafluorobenzene	7.979	168	277262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	518535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	681979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	346315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207340	59.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.780%			
35) Dibromofluoromethane	7.914	113	183957	52.880	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.760%			
50) Toluene-d8	10.338	98	703434	52.049	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.626	95	328376	72.853	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 145.700%#			
Target Compounds						
5) Bromomethane	2.785	94	2832	Below Cal		94
10) Methyl Iodide	4.303	142	1303	2.828 ug/l #		46
16) Acetone	4.156	43	1998	15.614 ug/l #		80
18) Methyl Acetate	4.726	43	66	Below Cal #		49
20) Methylene Chloride	4.968	84	32837	2.151 ug/l		95
23) Vinyl Acetate	6.356	43	66	15.436 ug/l #		72
31) Cyclohexane	7.979	56	6766	1.544 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	25912	4.844 ug/l #		49
38) Carbon Tetrachloride	7.979	117	28486	5.815 ug/l #		17
39) Methylcyclohexane	9.356	83	397	2.018 ug/l #		16
48) Methyl methacrylate	9.526	41	187	1.198 ug/l #		28
56) Ethyl methacrylate	10.791	69	69	1.684 ug/l #		1
71) Bromoform	12.626	173	3160	1.339 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	164673	48.946 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	164673	131.541 ug/l #		14
95) Naphthalene	15.391	128	523	2.251 ug/l #		69

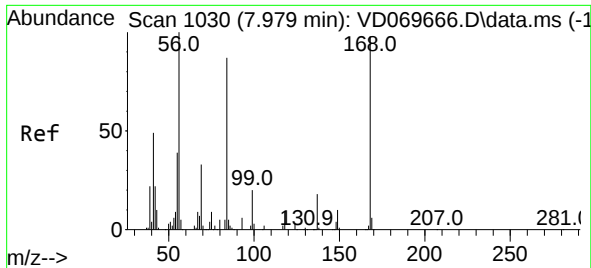
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
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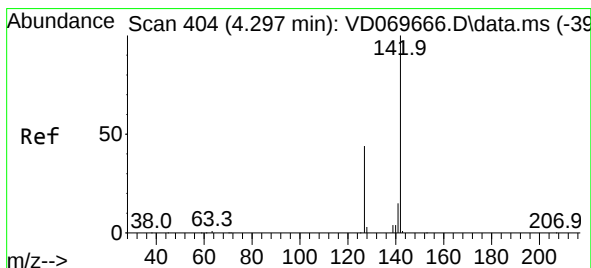
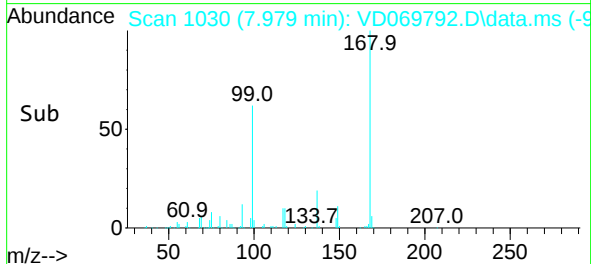
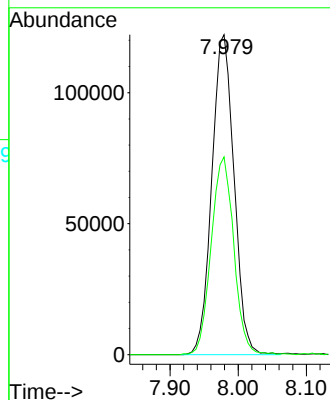
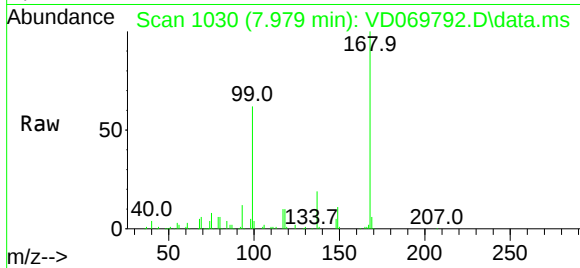




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

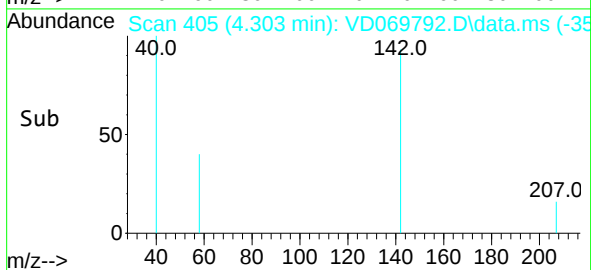
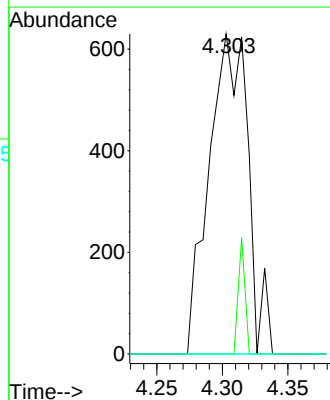
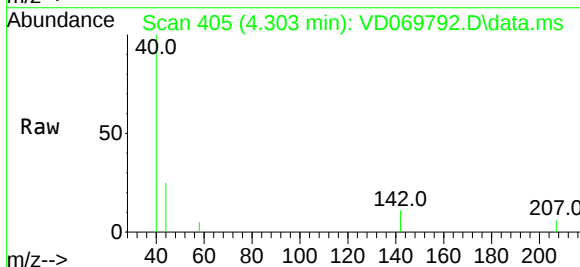
Instrument :
MSVOA_D
ClientSampleId :

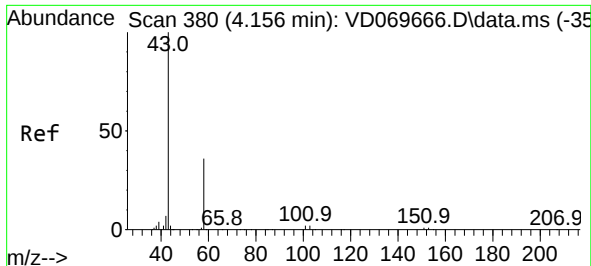
Tgt Ion:168 Resp: 277262
Ion Ratio Lower Upper
168 100
99 61.8 51.8 77.6



#10
Methyl Iodide
Concen: 2.828 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

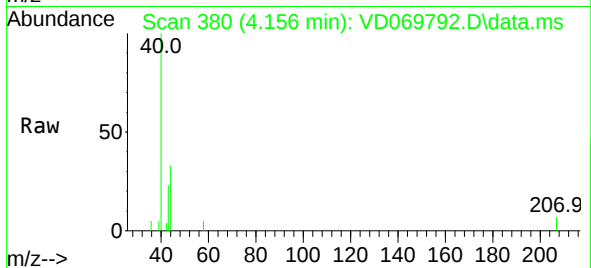
Tgt Ion:142 Resp: 1303
Ion Ratio Lower Upper
142 100
127 6.2 36.1 54.1#
141 0.0 11.6 17.4#



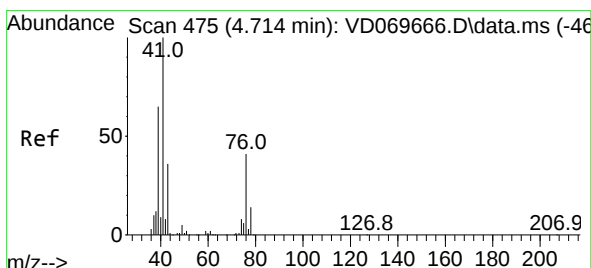
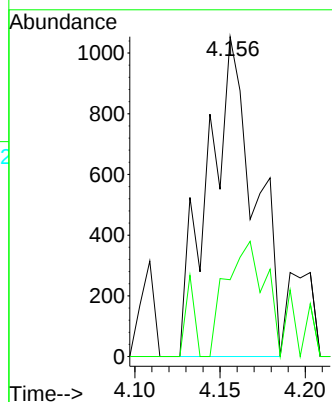
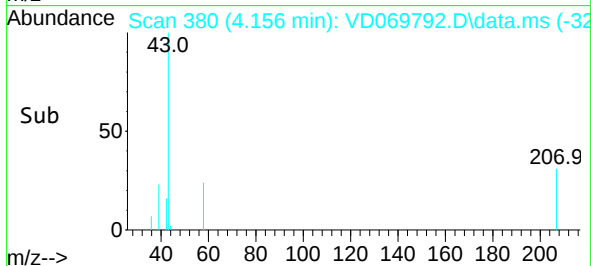


#16
Acetone
Concen: 15.614 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

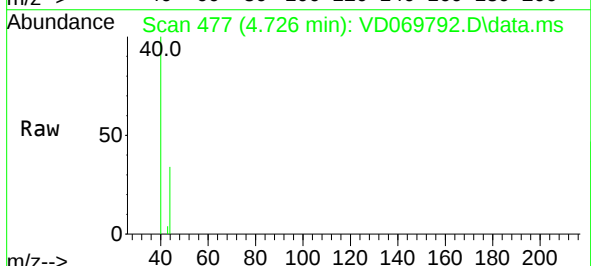
Instrument :
MSVOA_D
ClientSampled :



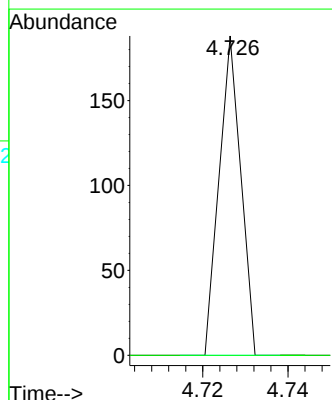
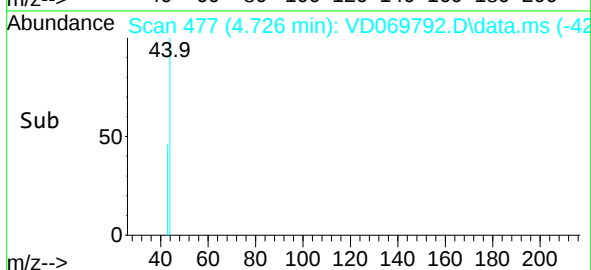
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 24.0 28.6 42.8#

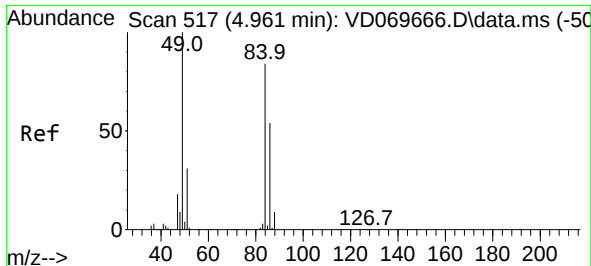


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46



Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

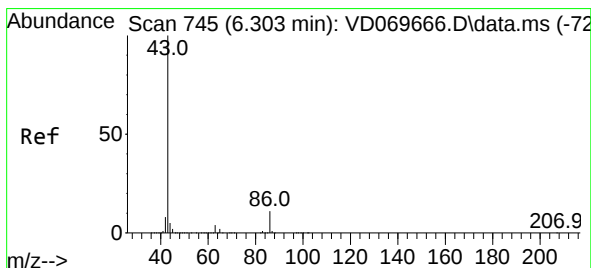
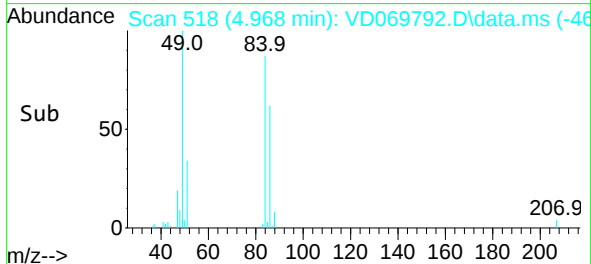
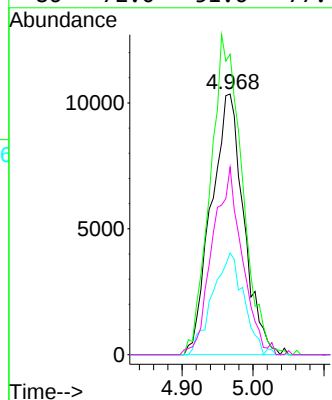
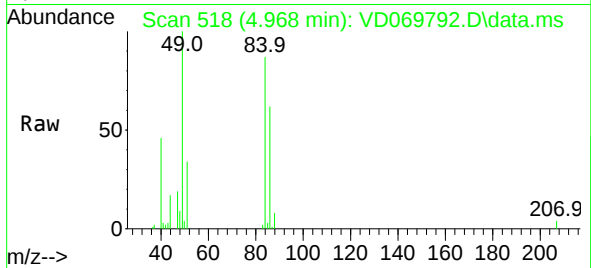




#20
Methylene Chloride
Concen: 2.151 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.007 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

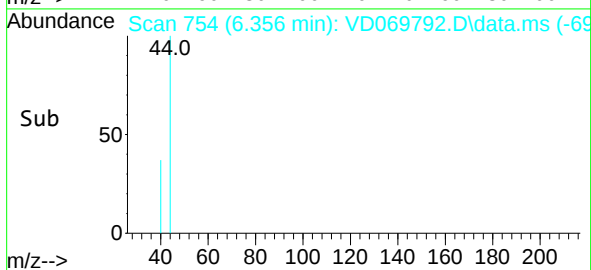
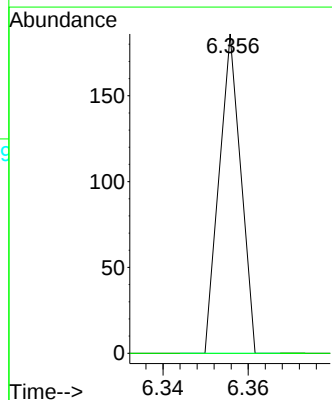
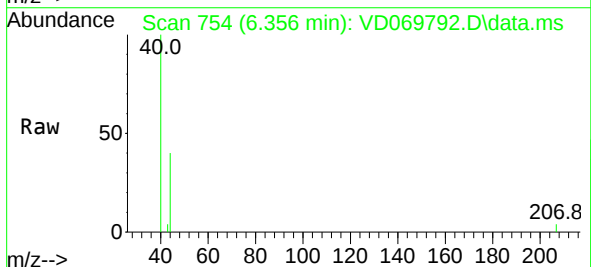
Instrument :
MSVOA_D
ClientSampleId :

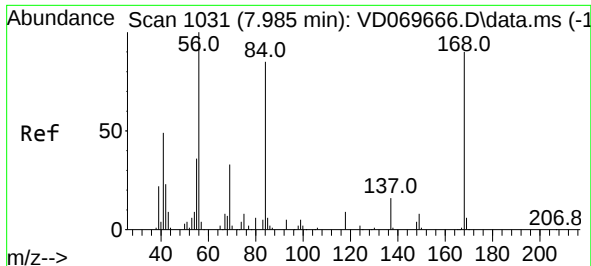
Tgt Ion:	84	Resp:	32837
Ion	Ratio	Lower	Upper
84	100		
49	115.3	95.5	143.3
51	39.1	29.7	44.5
86	72.0	51.6	77.4



#23
Vinyl Acetate
Concen: 15.436 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.053 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion:	43	Resp:	66
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

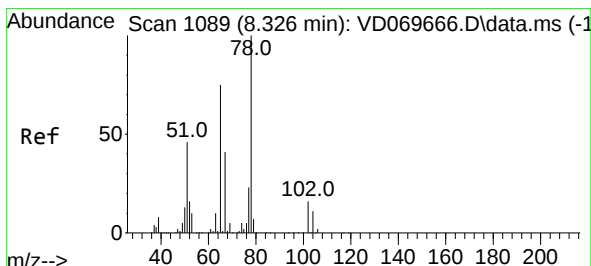
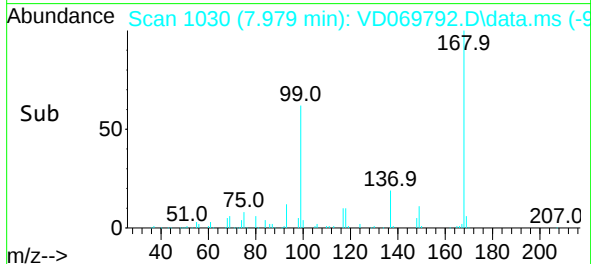
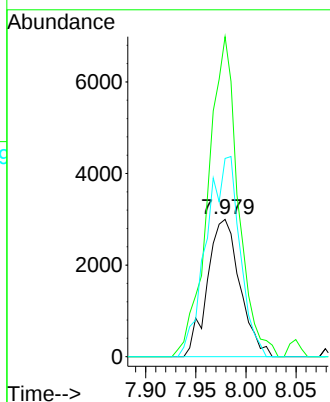
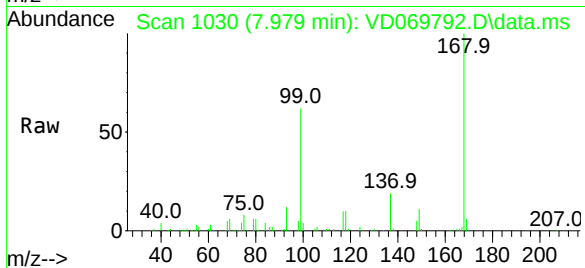




#31
Cyclohexane
Concen: 1.544 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

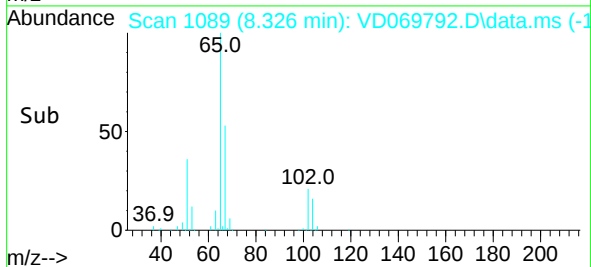
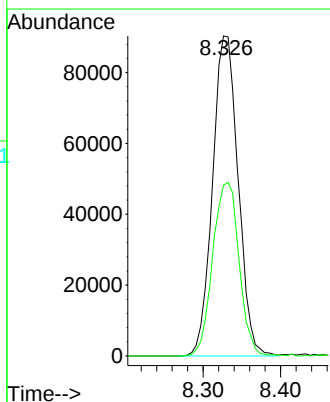
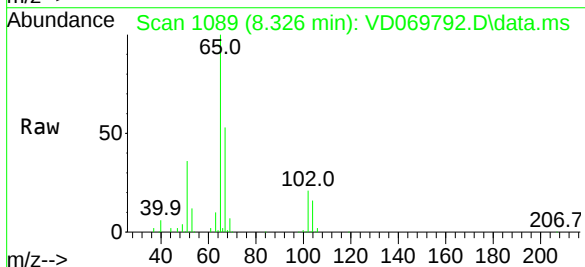
Instrument :
MSVOA_D
ClientSampleId :

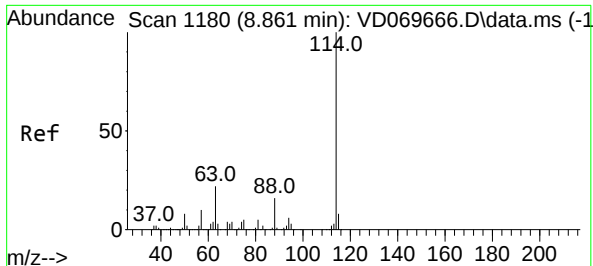
Tgt Ion: 56 Resp: 6766
Ion Ratio Lower Upper
56 100
69 233.1 26.6 39.8#
84 144.4 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 59.891 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion: 65 Resp: 207340
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

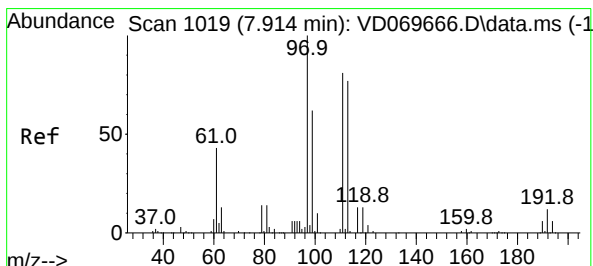
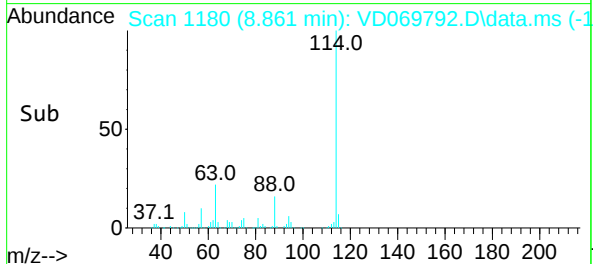
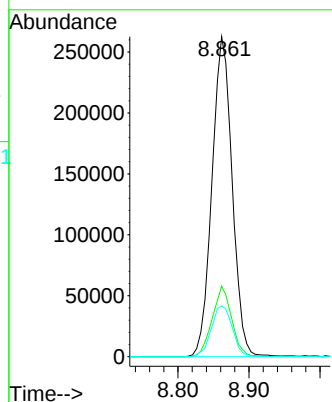
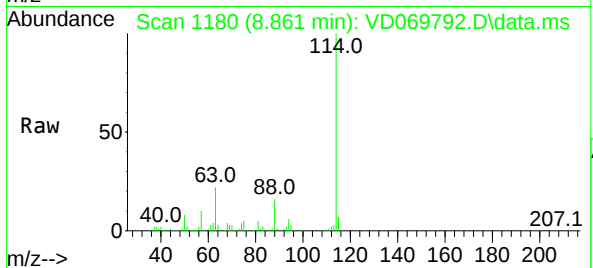
Delta R.T. 0.000 min

Lab File: VD069792.D

Acq: 21 Jul 2021 15:46

Tgt Ion:	114	Resp:	518535
Ion Ratio	Lower	Upper	
114	100		
63	22.0	0.0	43.4
88	15.9	0.0	32.0

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 52.880 ug/l

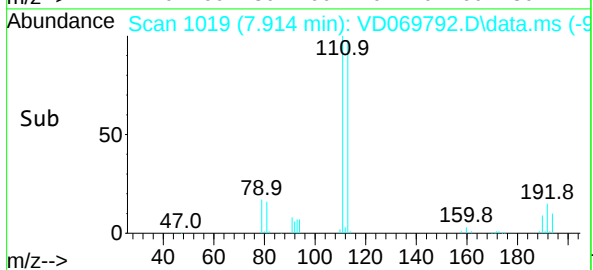
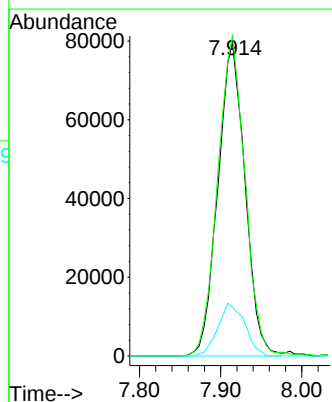
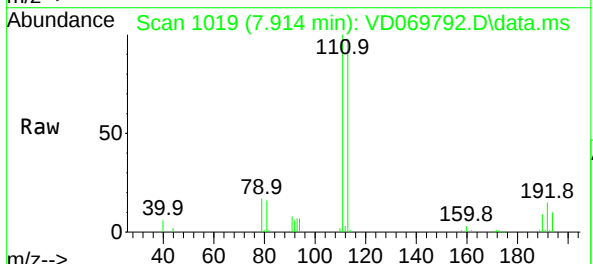
RT: 7.914 min Scan# 1019

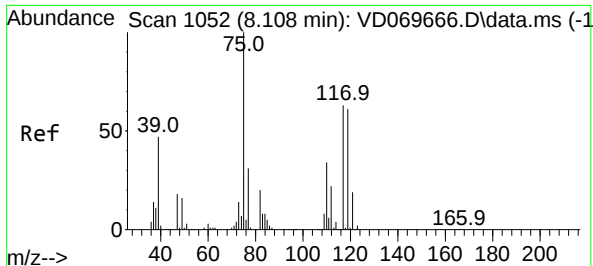
Delta R.T. 0.000 min

Lab File: VD069792.D

Acq: 21 Jul 2021 15:46

Tgt Ion:	113	Resp:	183957
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.6	123.8
192	16.8	12.7	19.1

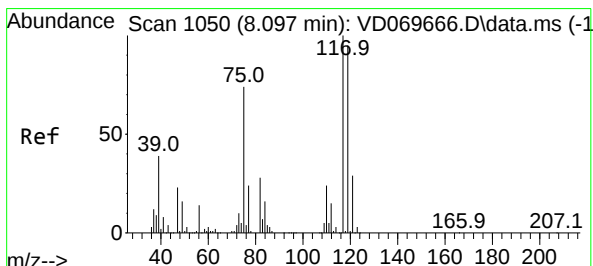
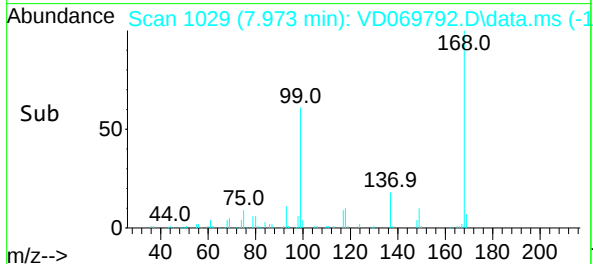
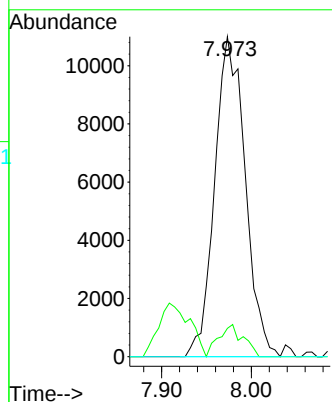
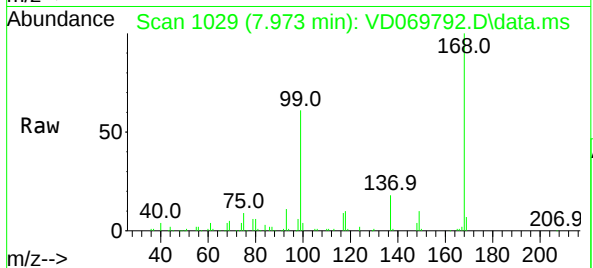




#36
1,1-Dichloropropene
Concen: 4.844 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

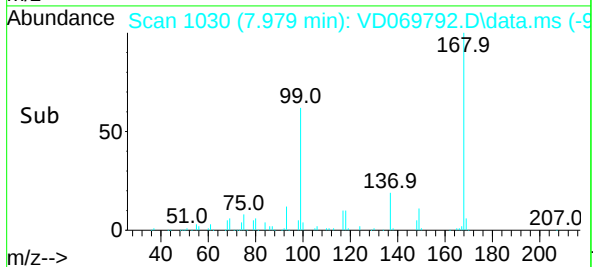
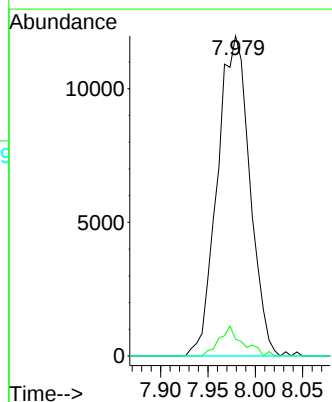
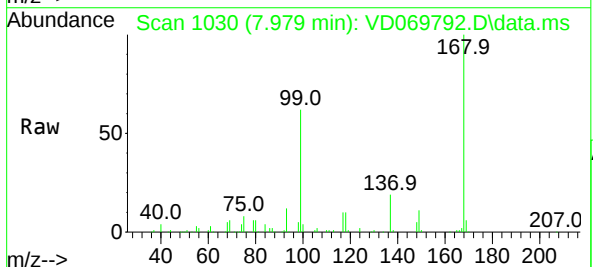
Instrument :
MSVOA_D
ClientSampled :

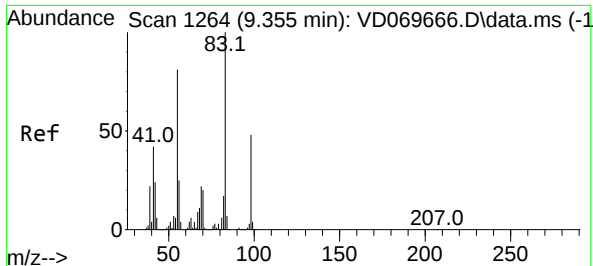
Tgt Ion: 75 Resp: 25912
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.815 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion: 117 Resp: 28486
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.018 ug/l

RT: 9.356 min Scan# 1264

Delta R.T. 0.001 min

Lab File: VD069792.D

Acq: 21 Jul 2021 15:46

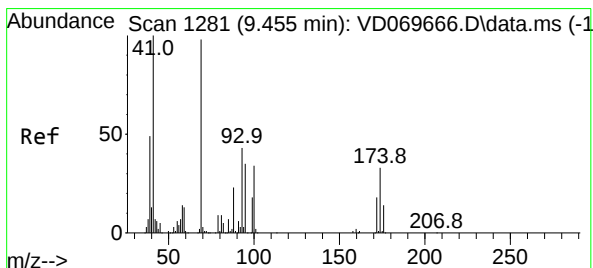
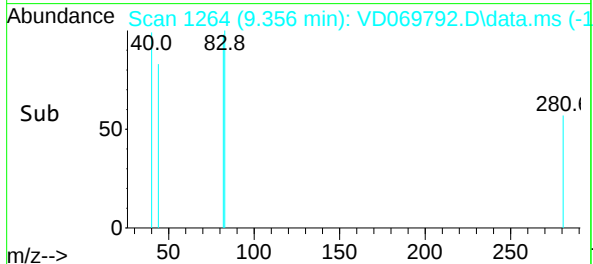
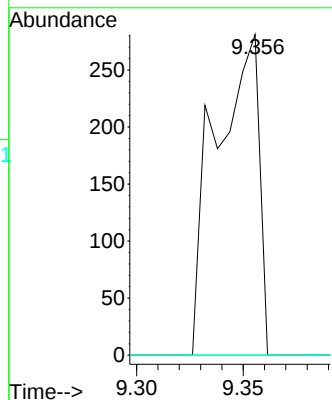
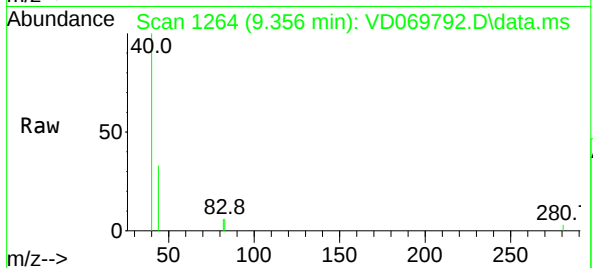
Tgt Ion: 83 Resp: 397

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 0.0 38.4 57.6#



#48

Methyl methacrylate

Concen: 1.198 ug/l

RT: 9.526 min Scan# 1293

Delta R.T. 0.071 min

Lab File: VD069792.D

Acq: 21 Jul 2021 15:46

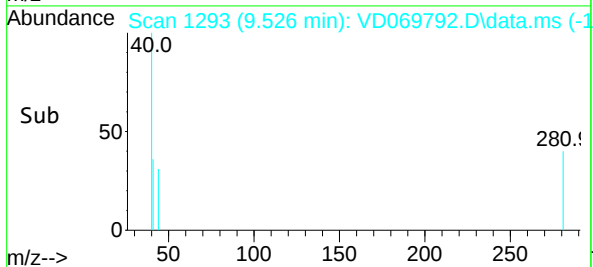
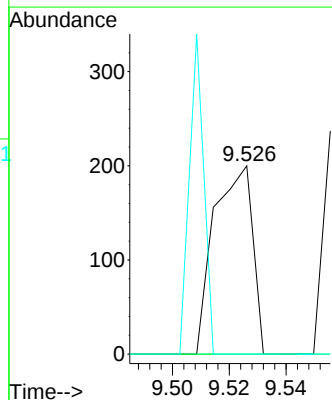
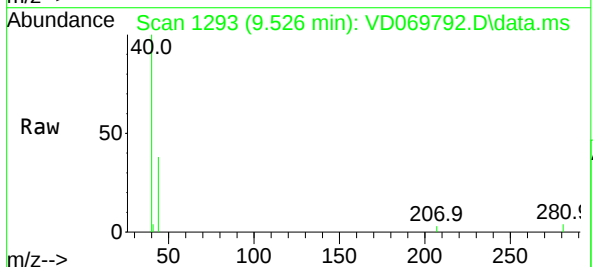
Tgt Ion: 41 Resp: 187

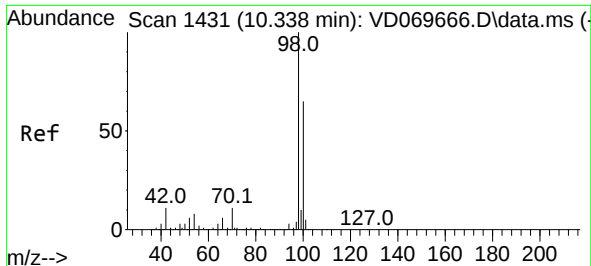
Ion Ratio Lower Upper

41 100

69 0.0 71.6 107.4#

39 64.2 36.7 55.1#

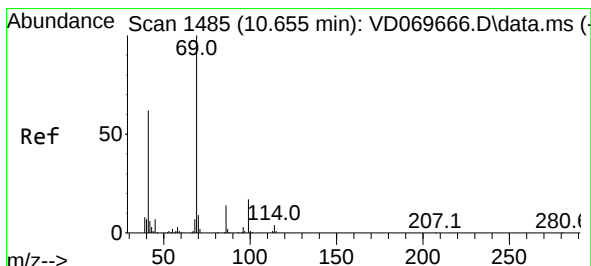
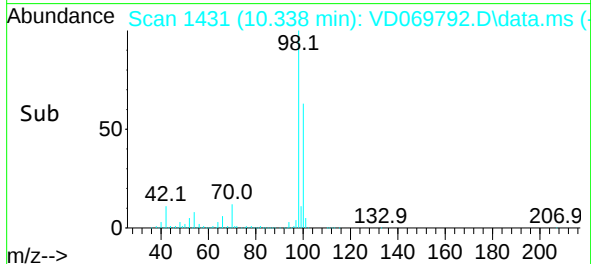
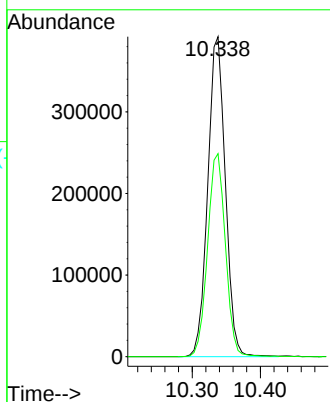
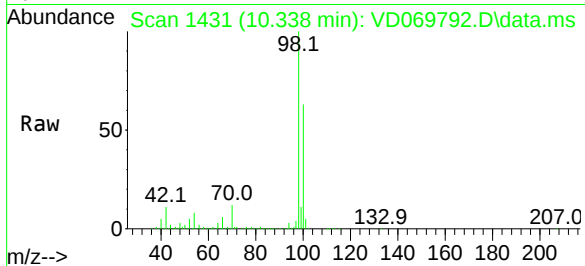




#50
Toluene-d8
Concen: 52.049 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

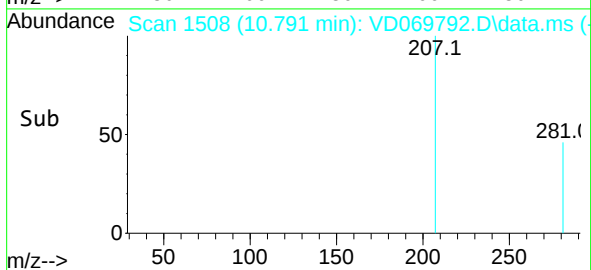
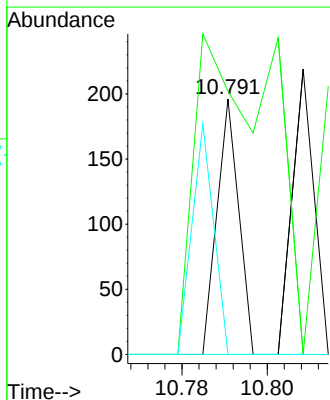
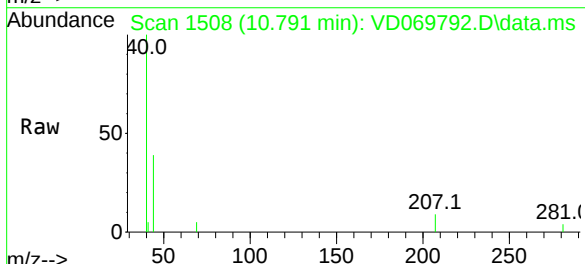
Instrument :
MSVOA_D
ClientSampleId :

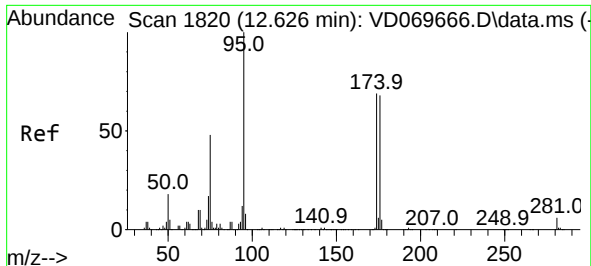
Tgt Ion: 98 Resp: 703434
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.684 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. 0.136 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion: 69 Resp: 69
Ion Ratio Lower Upper
69 100
41 440.6 49.5 74.3#
39 89.9 22.5 33.7#

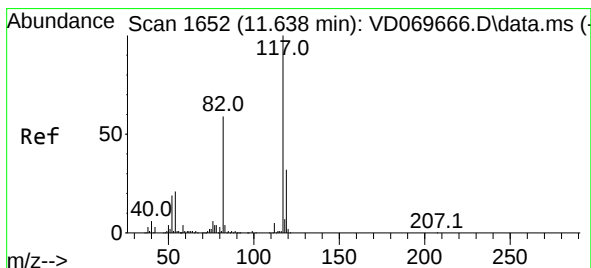
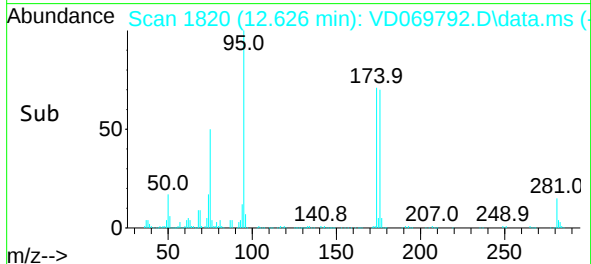
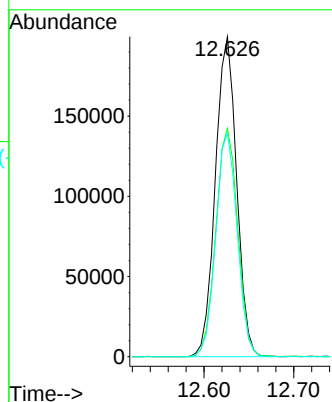
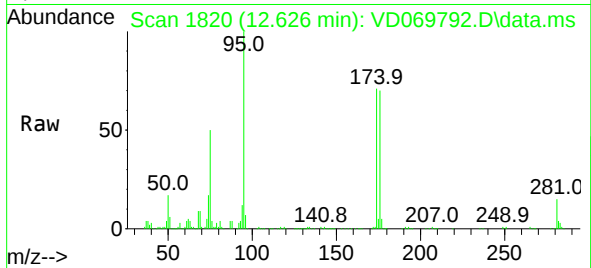




#62
4-Bromofluorobenzene
Concen: 72.853 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

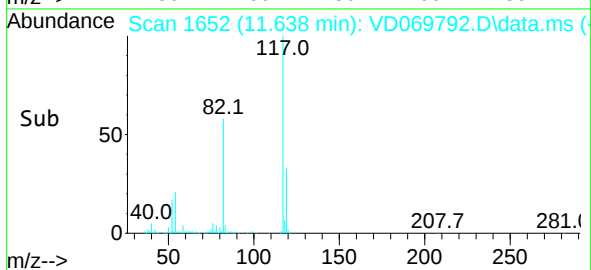
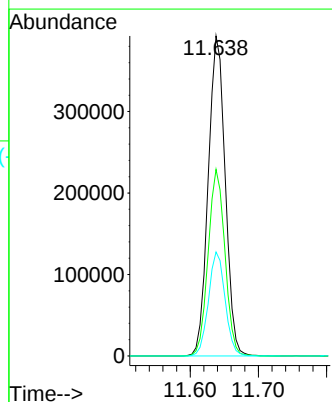
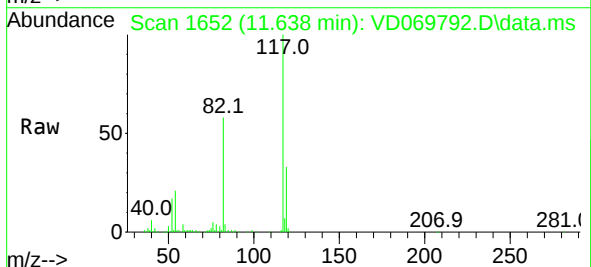
Instrument :
MSVOA_D
ClientSampleId :

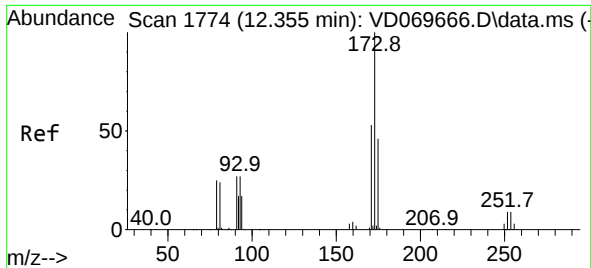
Tgt Ion: 95 Resp: 328376
Ion Ratio Lower Upper
95 100
174 73.5 0.0 140.0
176 70.1 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion: 117 Resp: 681979
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.5 25.5 38.3

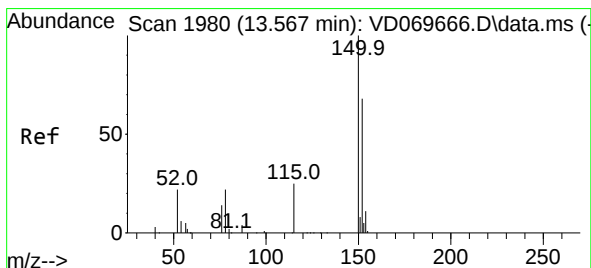
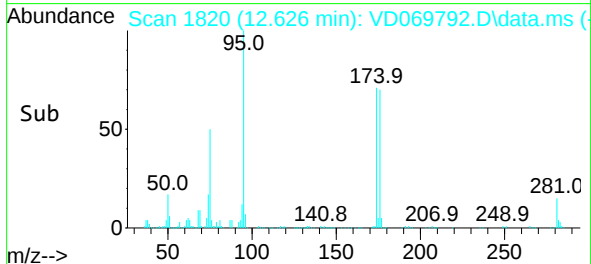
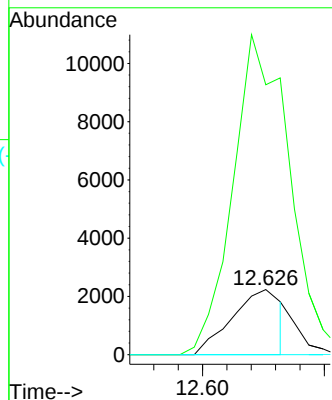
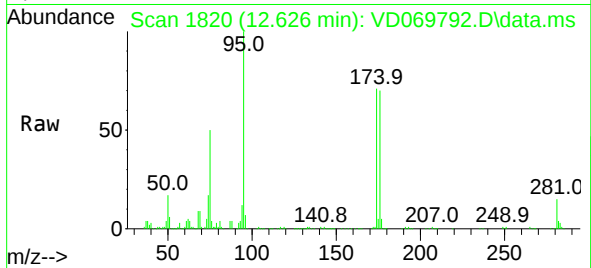




#71
Bromoform
Concen: 1.339 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

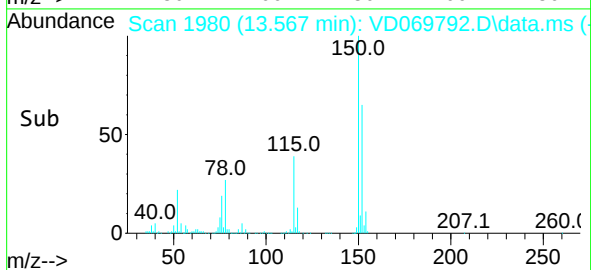
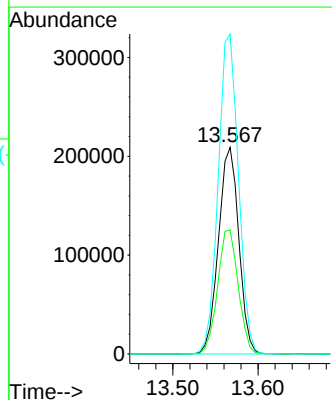
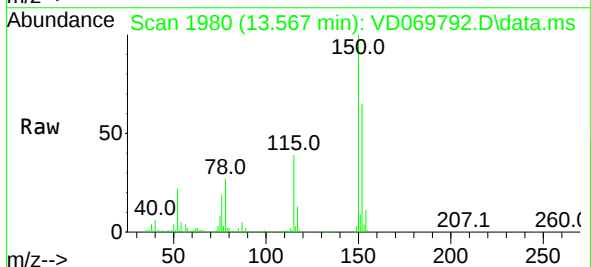
Instrument :
MSVOA_D
ClientSampled :

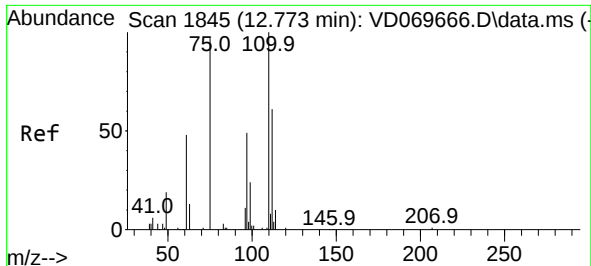
Tgt Ion:173 Resp: 3160
Ion Ratio Lower Upper
173 100
175 357.8 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion:152 Resp: 346315
Ion Ratio Lower Upper
152 100
115 61.0 31.7 95.1
150 154.1 0.0 350.4

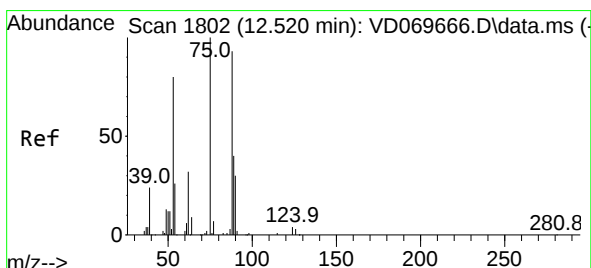
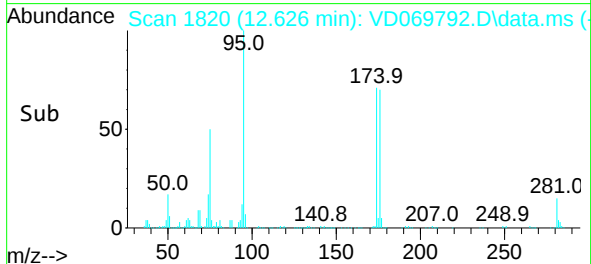
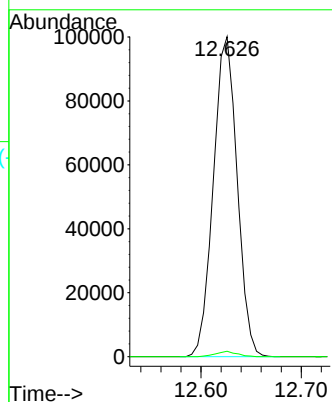
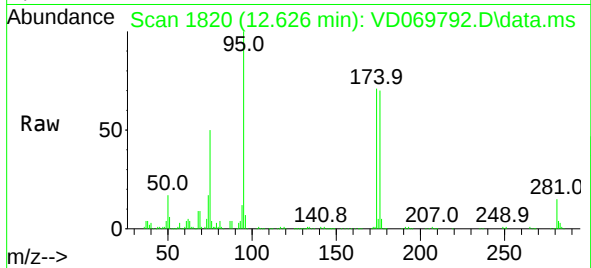




#76
1,2,3-Trichloropropane
Concen: 48.946 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

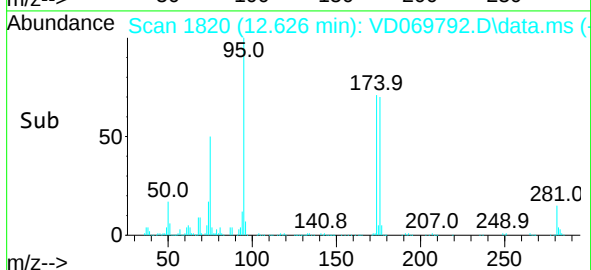
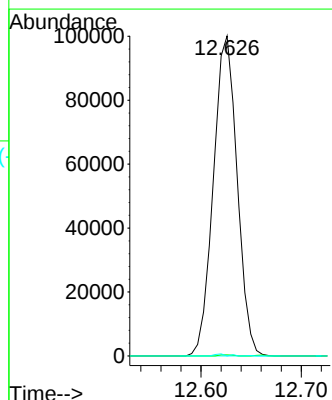
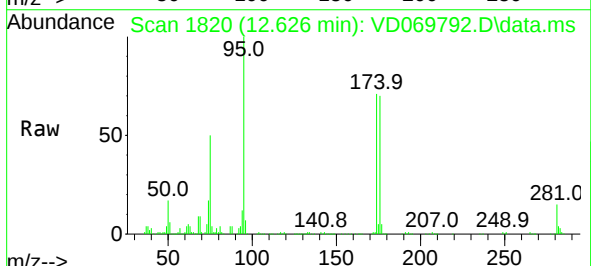
Instrument :
MSVOA_D
ClientSampleId :

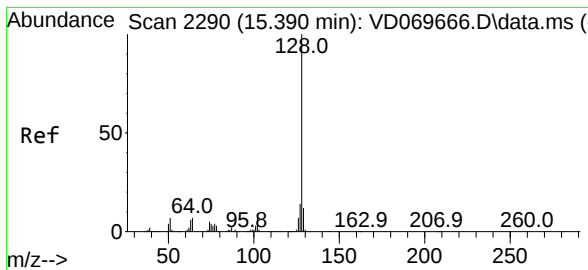
Tgt Ion: 75 Resp: 164673
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.541 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Tgt Ion: 75 Resp: 164673
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.3 35.1 52.7#





#95
Naphthalene
Concen: 2.251 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069792.D
Acq: 21 Jul 2021 15:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 523
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

