

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069773.D
 Acq On : 20 Jul 2021 16:48
 Operator : VA/SY
 Sample : M3038-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:26:48 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)

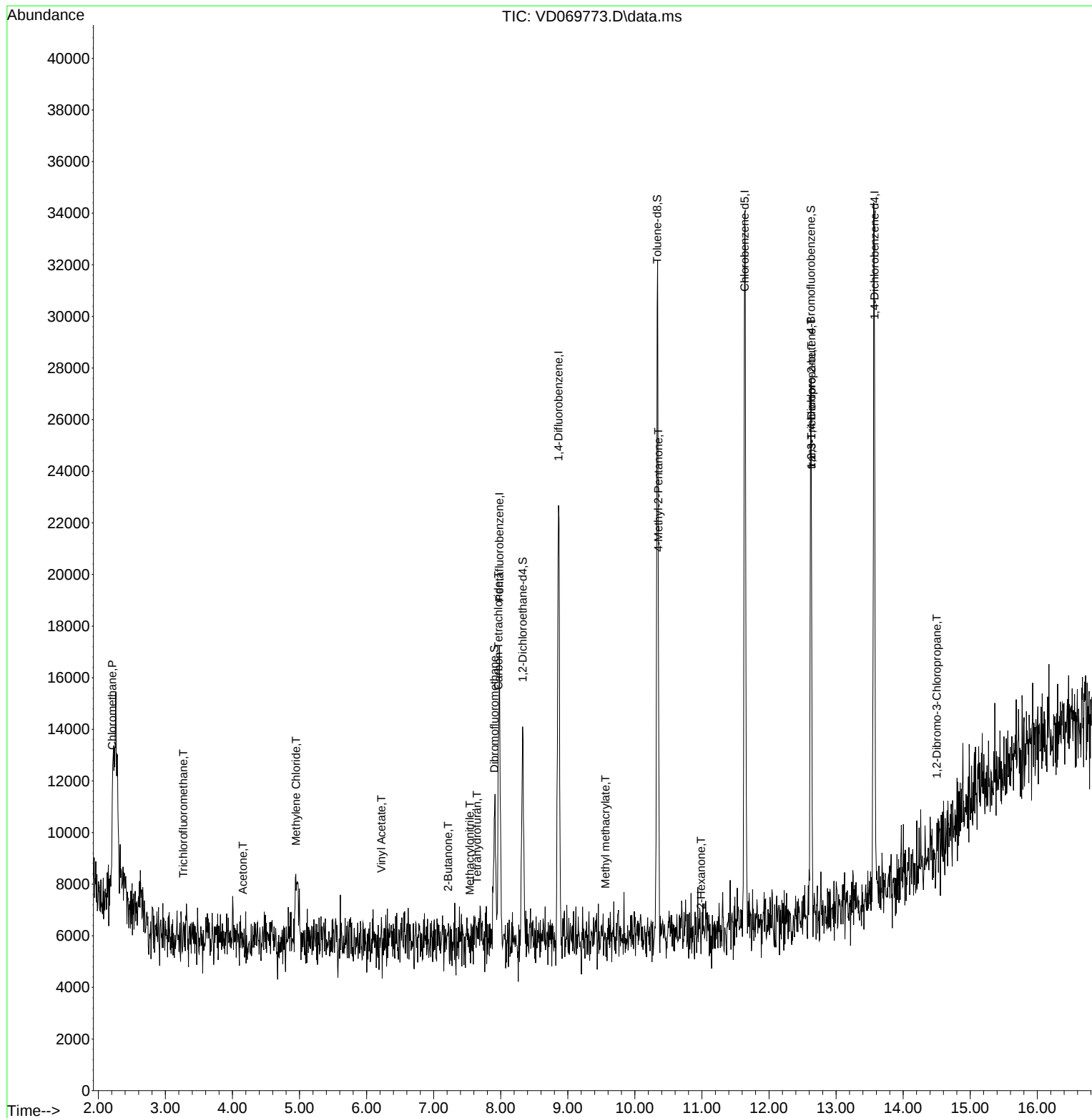
Internal Standards						
1) Pentafluorobenzene	7.979	168	8501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	16916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	7274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	6416	60.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.900%	
35) Dibromofluoromethane	7.903	113	4168	39.491	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.980%	
50) Toluene-d8	10.332	98	17325	42.253	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.500%	
62) 4-Bromofluorobenzene	12.626	95	6690	48.921	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.840%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	219	1.542	ug/l	99
7) Trichlorofluoromethane	3.268	101	309	1.895	ug/l #	18
16) Acetone	4.156	43	183	20.529	ug/l #	39
18) Methyl Acetate	4.668	43	54	Below Cal	#	49
20) Methylene Chloride	4.950	84	1153	3.165	ug/l #	69
23) Vinyl Acetate	6.220	43	66	15.796	ug/l #	72
25) 2-Butanone	7.214	43	61	2.432	ug/l #	47
29) Tetrahydrofuran	7.644	42	68	4.375	ug/l #	32
38) Carbon Tetrachloride	7.967	117	920	6.190	ug/l #	13
41) Methacrylonitrile	7.538	41	61	1.917	ug/l #	18
48) Methyl methacrylate	9.561	41	61	2.125	ug/l #	13
51) 4-Methyl-2-Pentanone	10.350	43	129	2.216	ug/l #	34
59) 2-Hexanone	10.985	43	55	1.417	ug/l #	22
76) 1,2,3-Trichloropropane	12.632	75	3179	44.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	3179	120.901	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.502	75	59	3.840	ug/l #	8

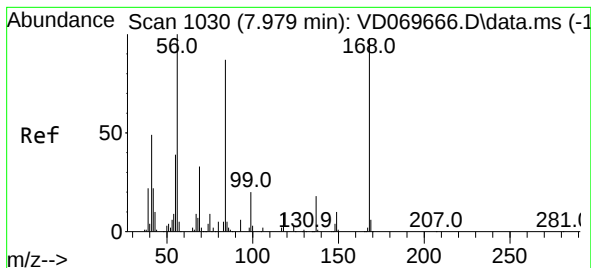
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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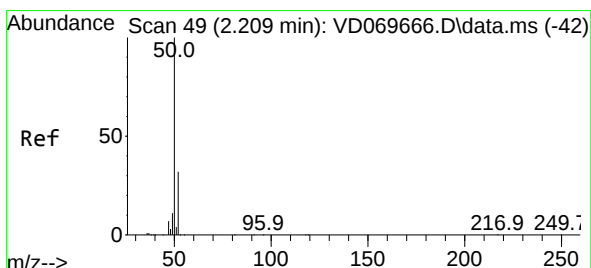
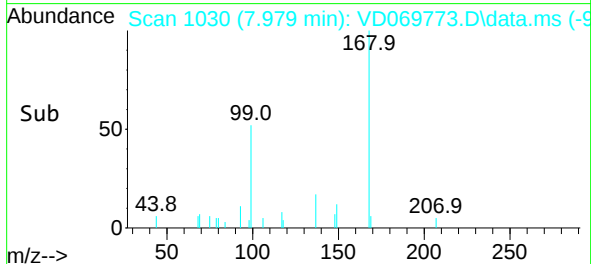
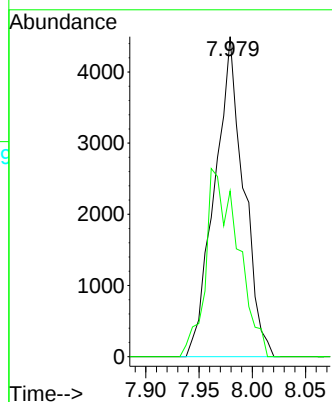
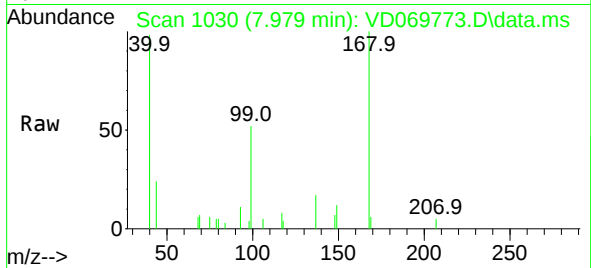




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

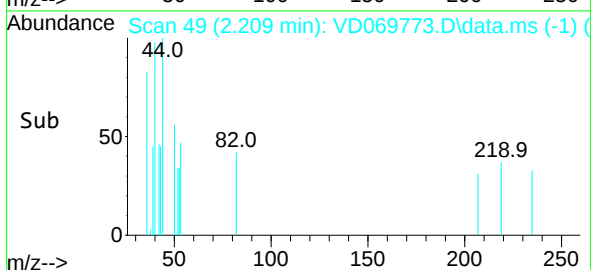
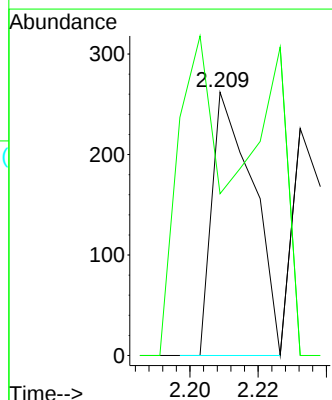
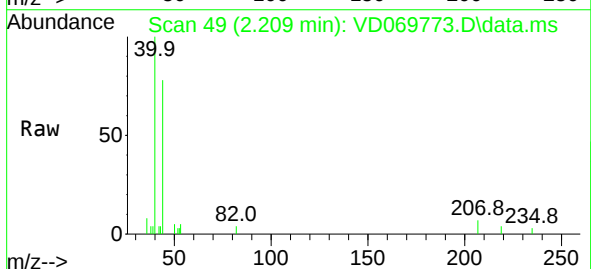
Instrument :
MSVOA_D
ClientSampled :

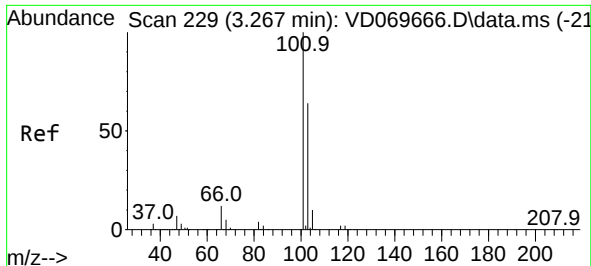
Tgt Ion:168 Resp: 8501
Ion Ratio Lower Upper
168 100
99 51.8 51.8 77.6



#3
Chloromethane
Concen: 1.542 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9

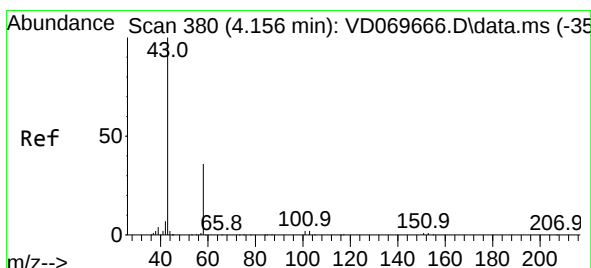
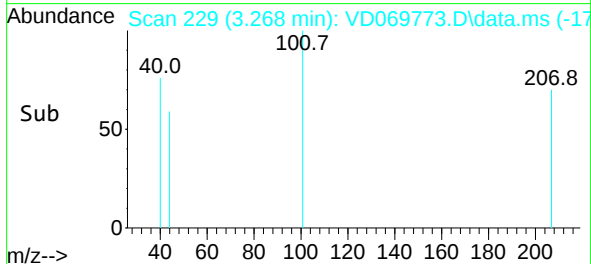
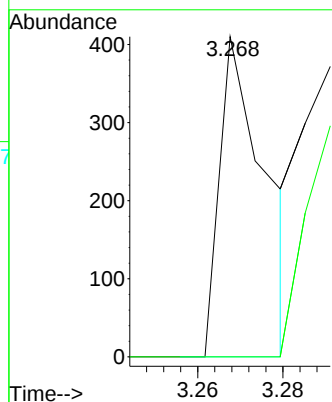
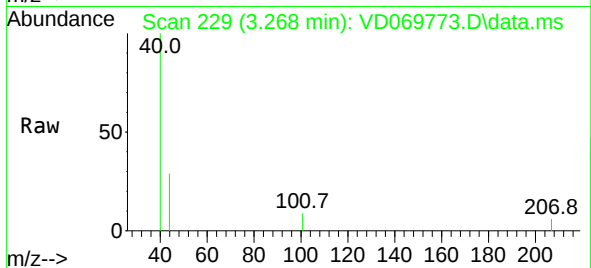




#7
Trichlorofluoromethane
Concen: 1.895 ug/l
RT: 3.268 min Scan# 229
Delta R.T. 0.001 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

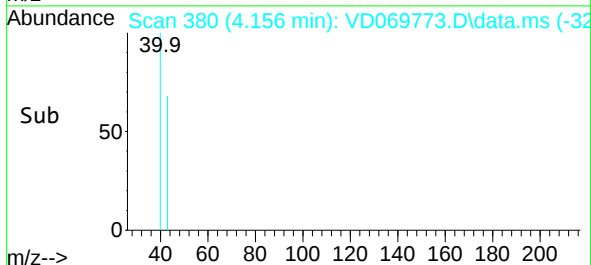
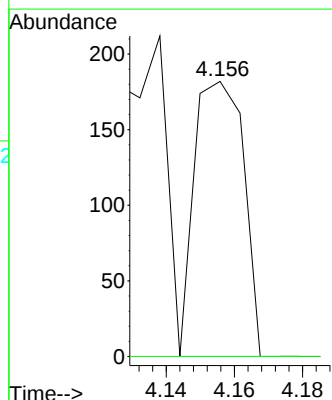
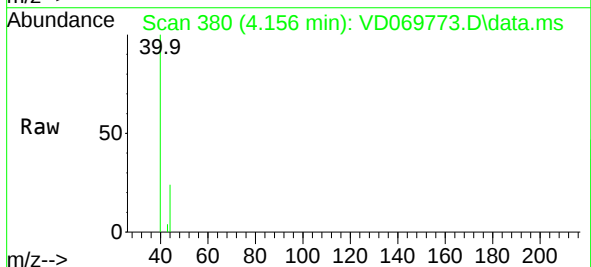
Instrument :
MSVOA_D
ClientSampled :

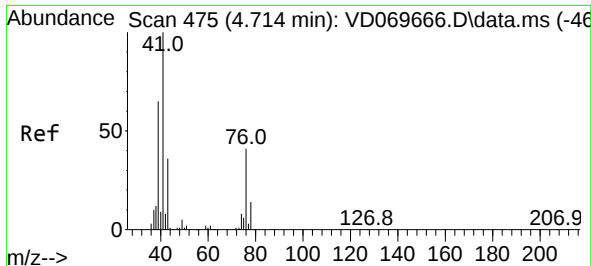
Tgt Ion:101 Resp: 309
Ion Ratio Lower Upper
101 100
103 0.0 51.4 77.0#



#16
Acetone
Concen: 20.529 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

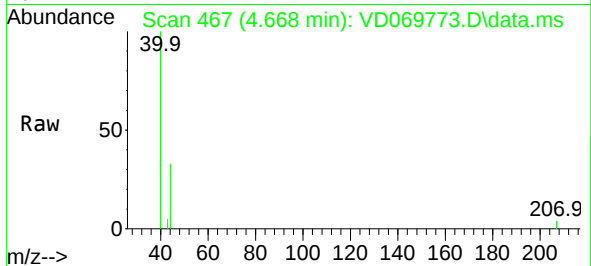
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



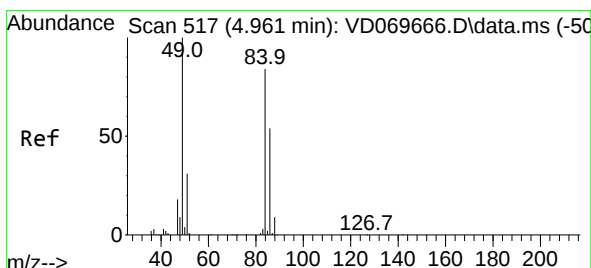
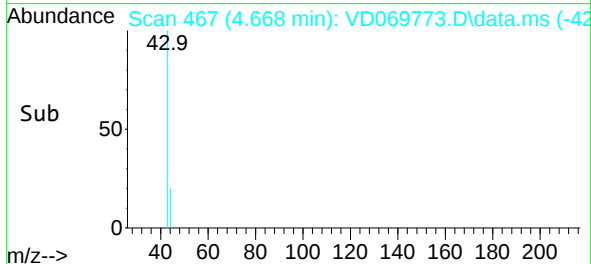
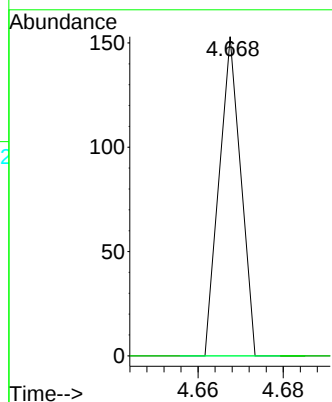


#18
Methyl Acetate
Concen: Below Cal
RT: 4.668 min Scan# 467
Delta R.T. -0.046 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Instrument :
MSVOA_D
ClientSampled :

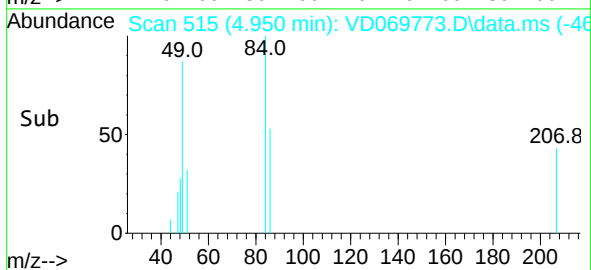
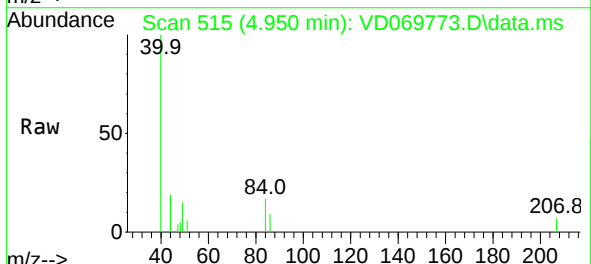
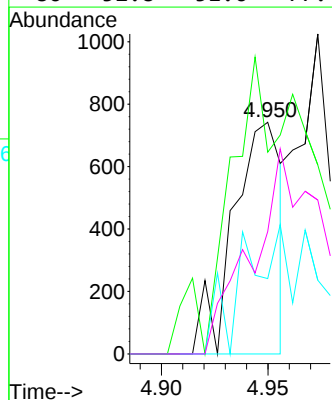


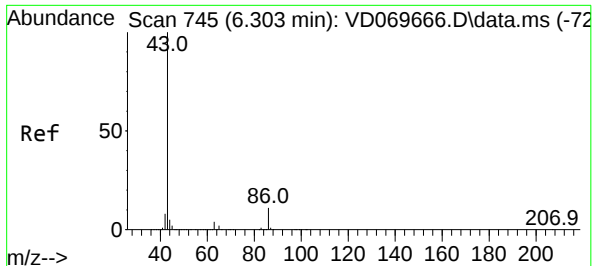
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 3.165 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.011 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 84 Resp: 1153
Ion Ratio Lower Upper
84 100
49 66.4 95.5 143.3#
51 32.5 29.7 44.5
86 52.8 51.6 77.4

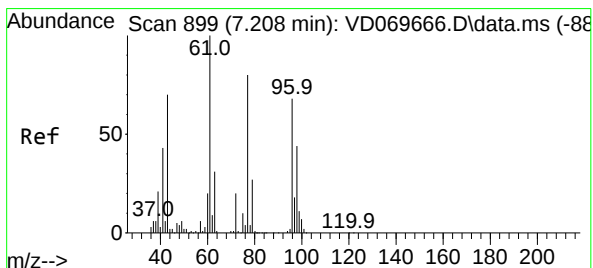
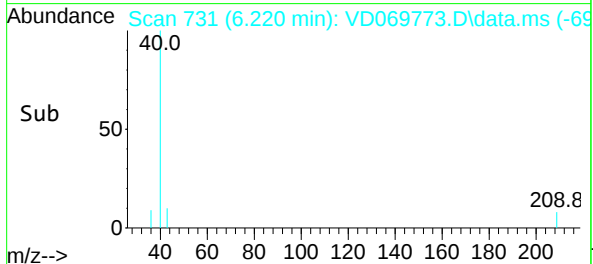
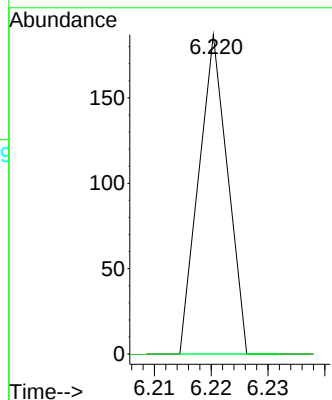
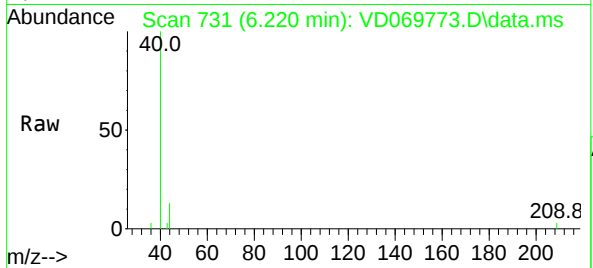




#23
 Vinyl Acetate
 Concen: 15.796 ug/l
 RT: 6.220 min Scan# 731
 Delta R.T. -0.083 min
 Lab File: VD069773.D
 Acq: 20 Jul 2021 16:48

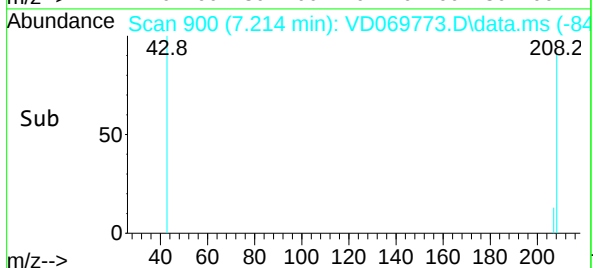
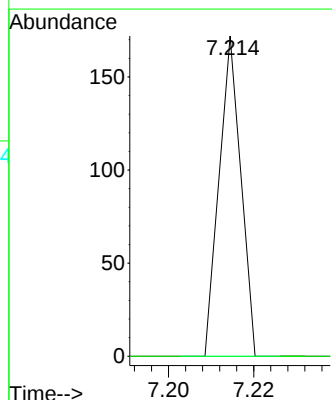
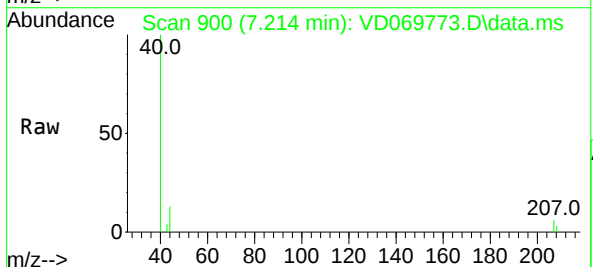
Instrument :
 MSVOA_D
 ClientSampleId :

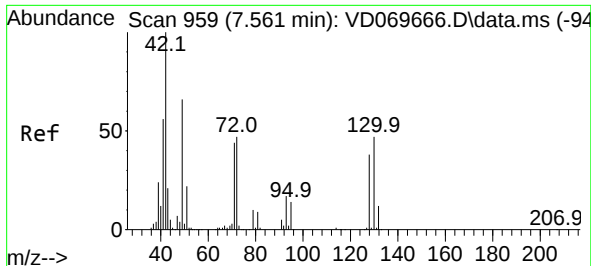
Tgt Ion: 43 Resp: 66
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 2.432 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD069773.D
 Acq: 20 Jul 2021 16:48

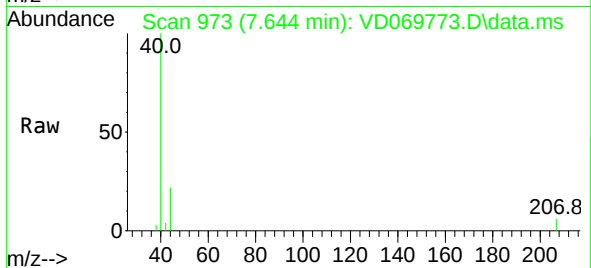
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#



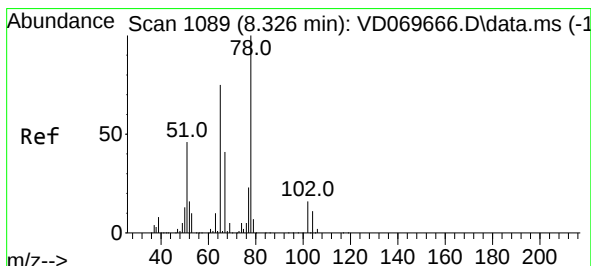
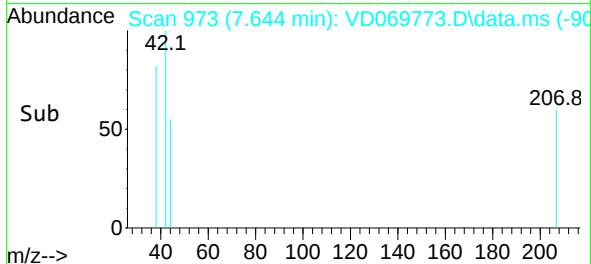
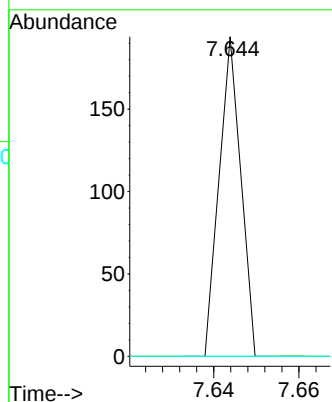


#29
Tetrahydrofuran
Concen: 4.375 ug/l
RT: 7.644 min Scan# 973
Delta R.T. 0.083 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Instrument :
MSVOA_D
ClientSampled :

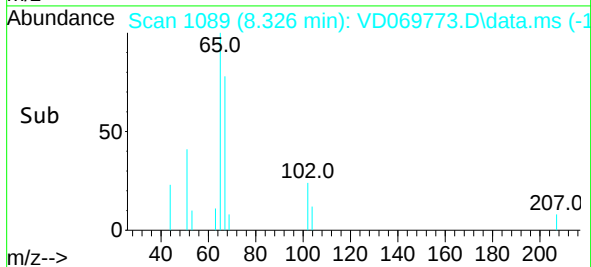
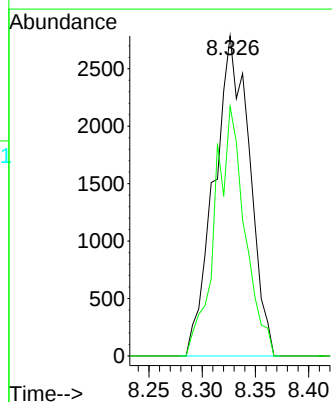
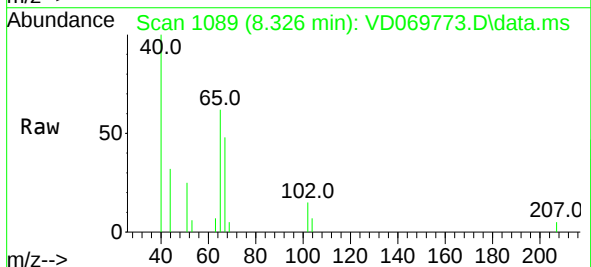


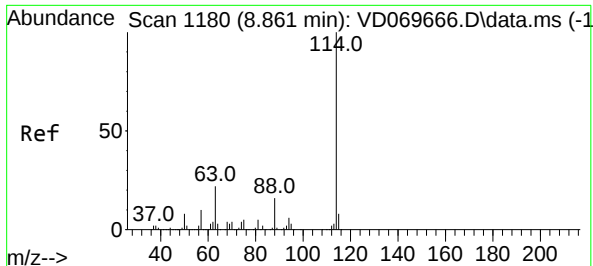
Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.4 50.0#



#33
1,2-Dichloroethane-d4
Concen: 60.445 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 65 Resp: 6416
Ion Ratio Lower Upper
65 100
67 66.2 0.0 107.2



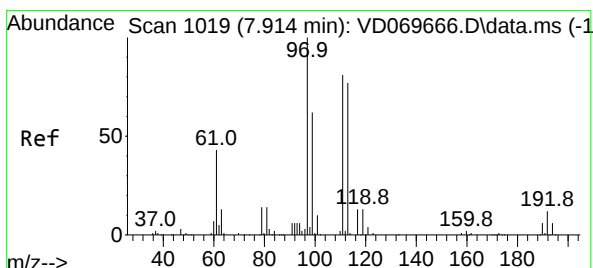
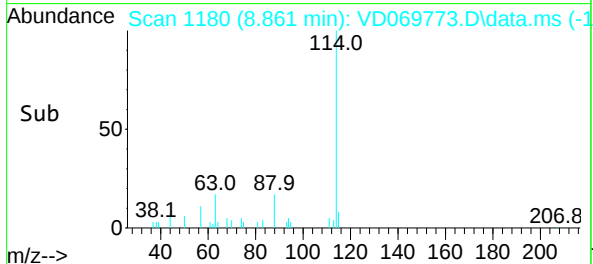
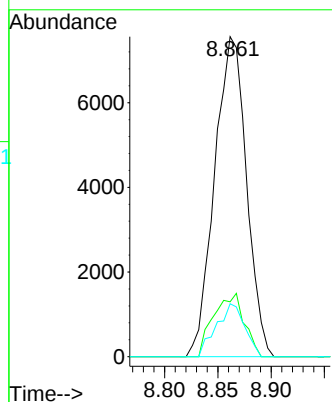
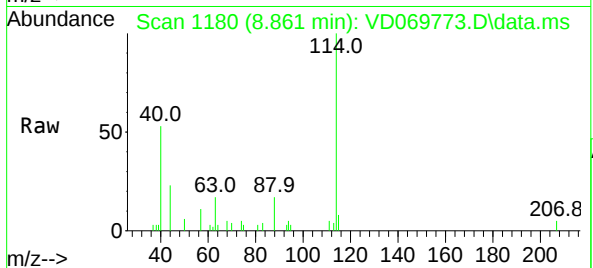


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Instrument :
MSVOA_D
ClientSampled :

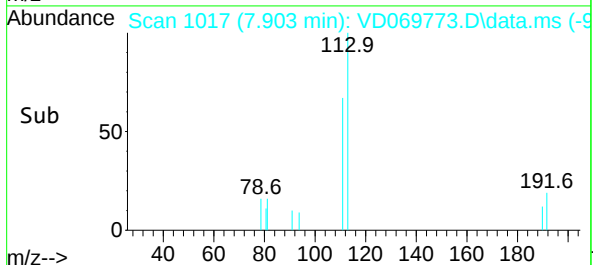
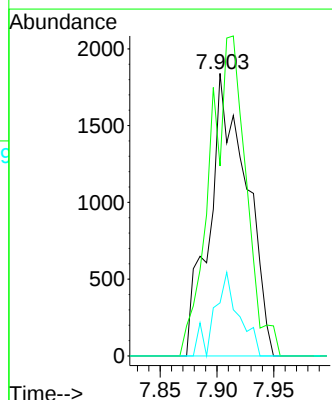
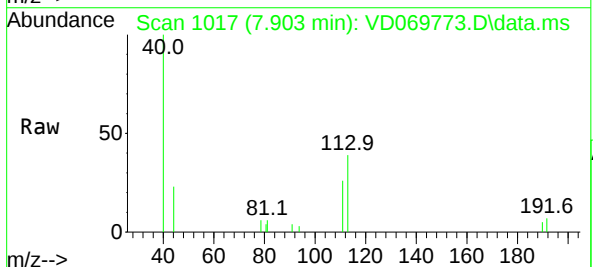
Tgt Ion:	114	Resp:	15732
Ion Ratio	Lower	Upper	
114	100		
63	17.2	0.0	43.4
88	16.6	0.0	32.0

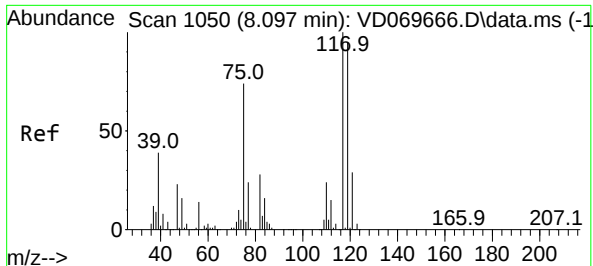


#35

Dibromofluoromethane
Concen: 39.491 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.011 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

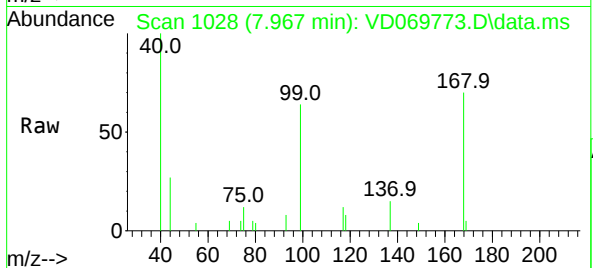
Tgt Ion:	113	Resp:	4168
Ion Ratio	Lower	Upper	
113	100		
111	110.6	82.6	123.8
192	19.6	12.7	19.1#



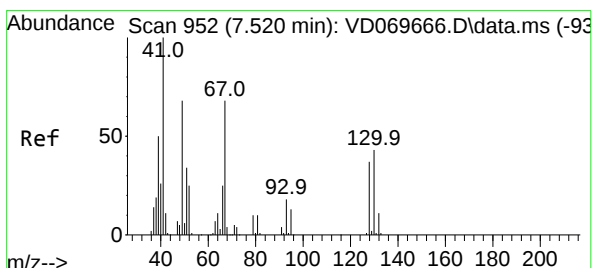
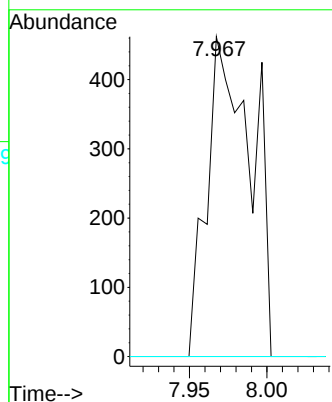
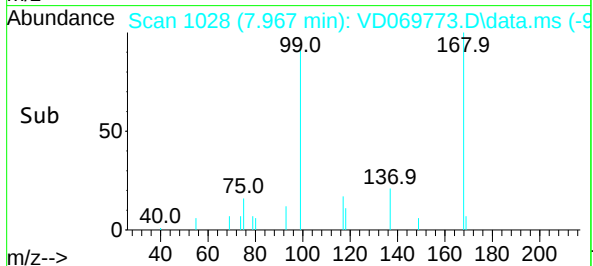


#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

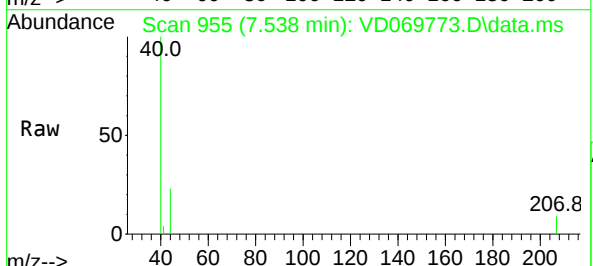
Instrument :
MSVOA_D
ClientSampled :



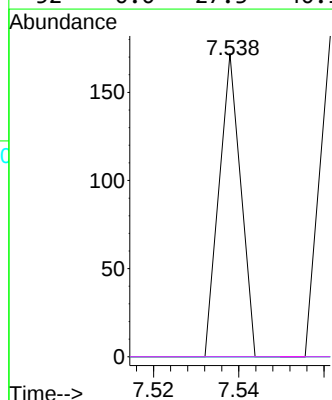
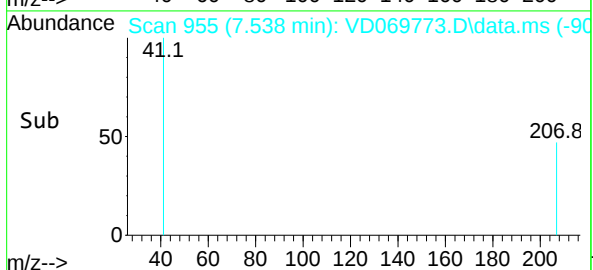
Tgt Ion:117 Resp: 920
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

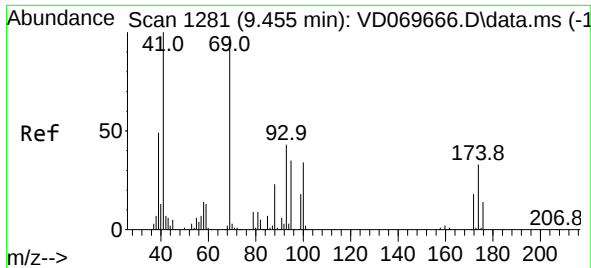


#41
Methacrylonitrile
Concen: 1.917 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.018 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48



Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 0.0 47.4 71.0#
67 0.0 67.0 100.6#
52 0.0 27.3 40.9#

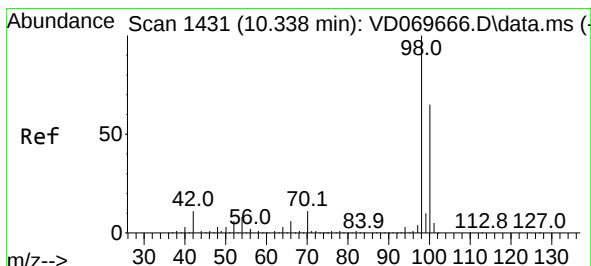
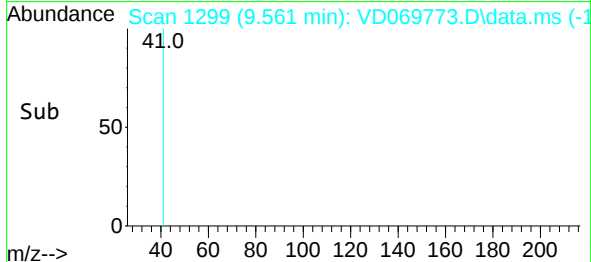
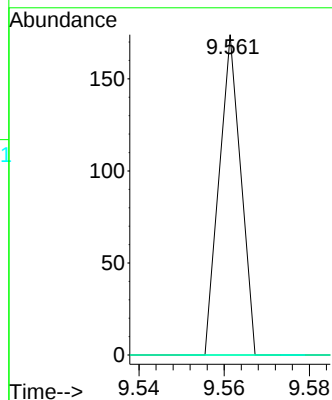
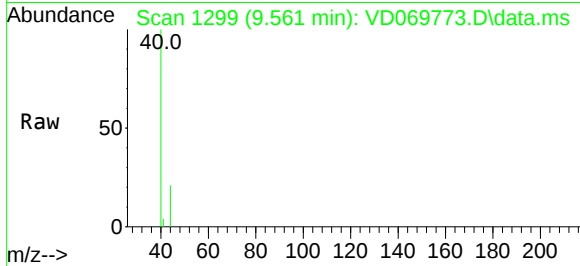




#48
Methyl methacrylate
Concen: 2.125 ug/l
RT: 9.561 min Scan# 1299
Delta R.T. 0.106 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

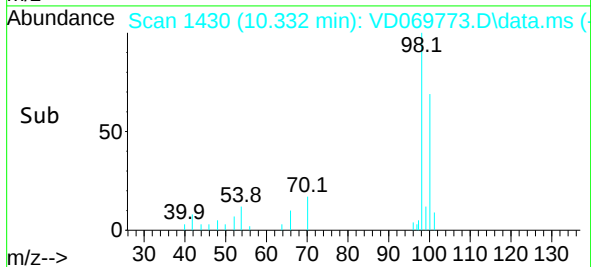
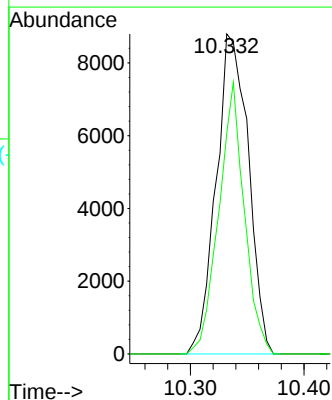
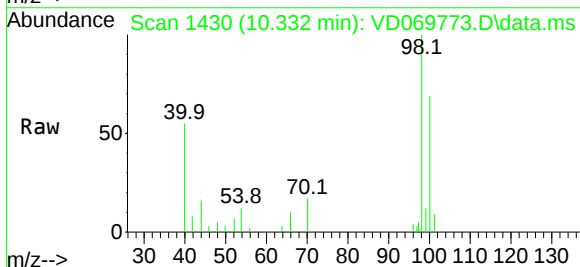
Instrument :
MSVOA_D
ClientSampled :

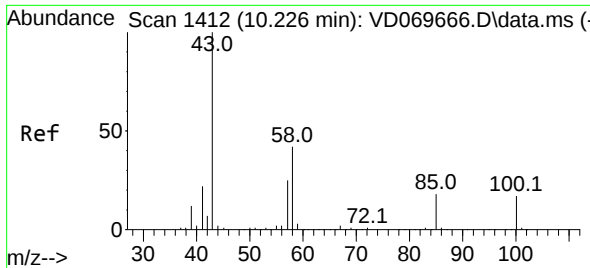
Tgt Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#



#50
Toluene-d8
Concen: 42.253 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion:	98	Resp:	17325
Ion	Ratio	Lower	Upper
98	100		
100	67.5	52.2	78.2

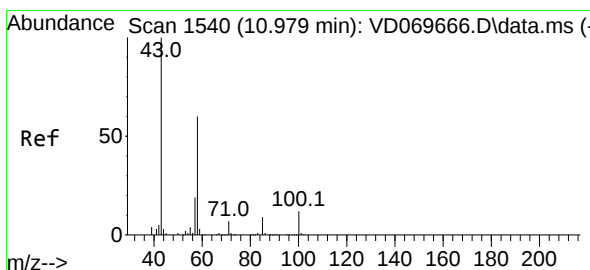
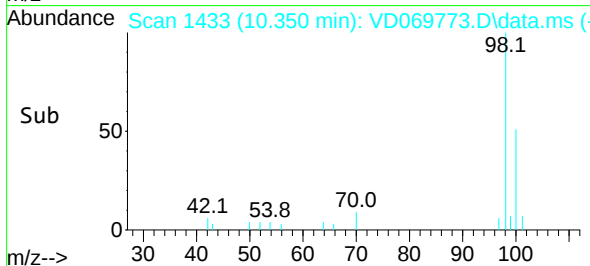
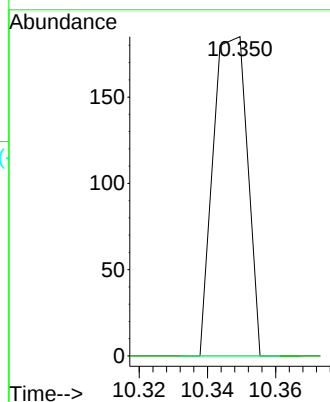
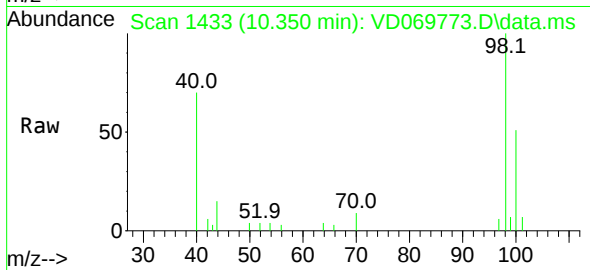




#51
4-Methyl-2-Pentanone
Concen: 2.216 ug/l
RT: 10.350 min Scan# 1433
Delta R.T. 0.124 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

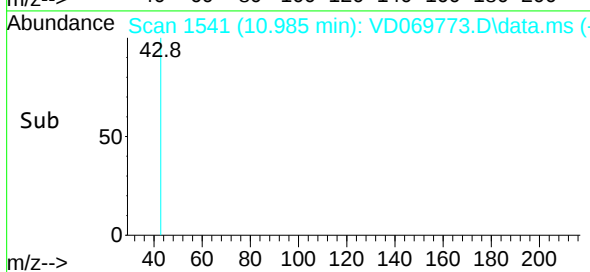
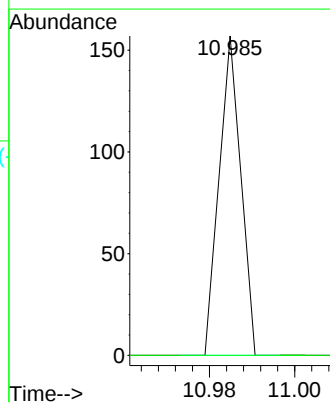
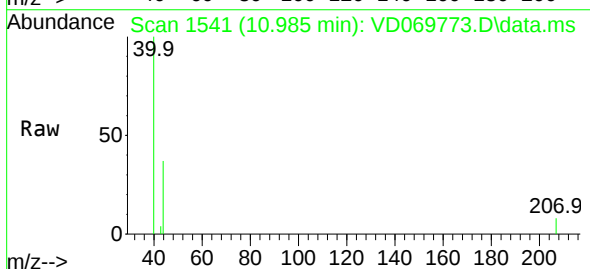
Instrument :
MSVOA_D
ClientSampled :

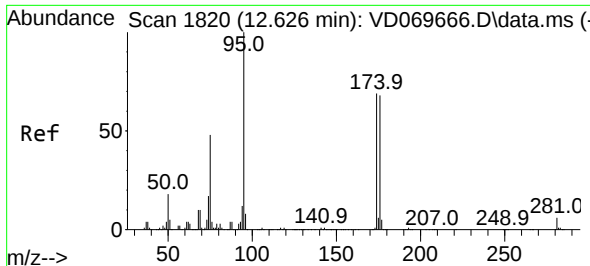
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 1.417 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

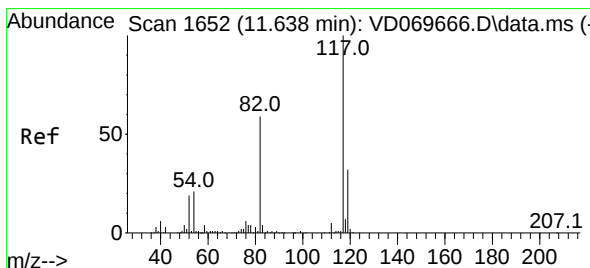
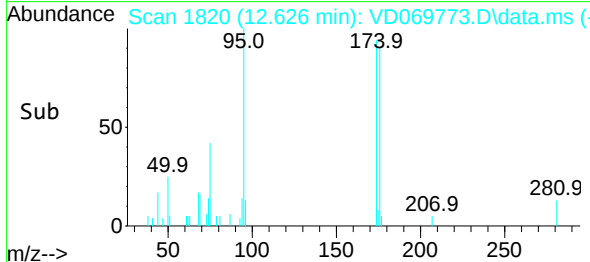
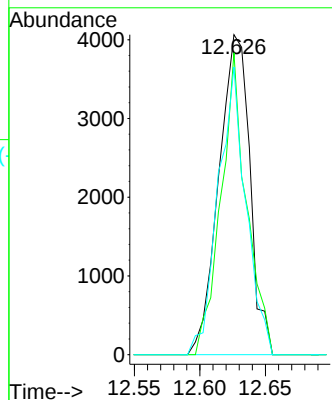
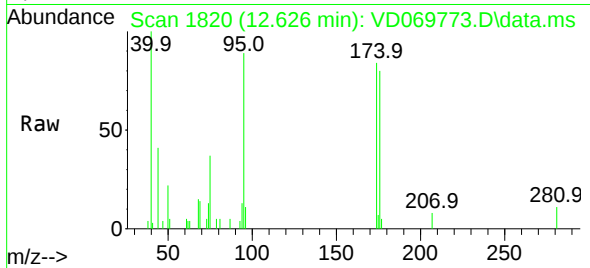




#62
4-Bromofluorobenzene
Concen: 48.921 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

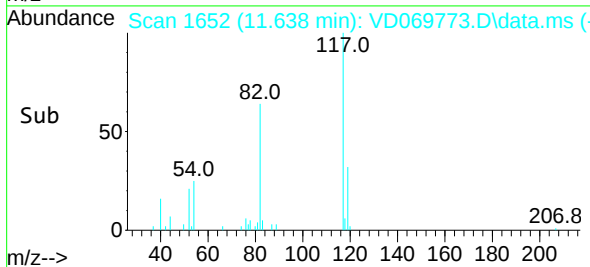
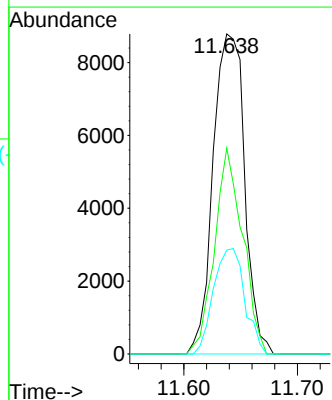
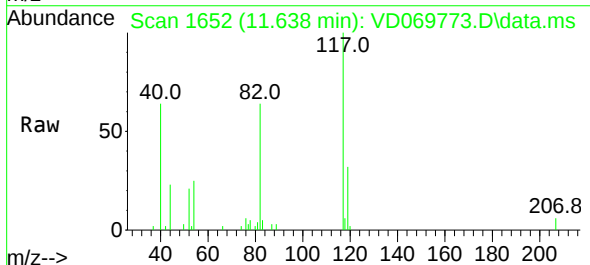
Instrument :
MSVOA_D
ClientSampleId :

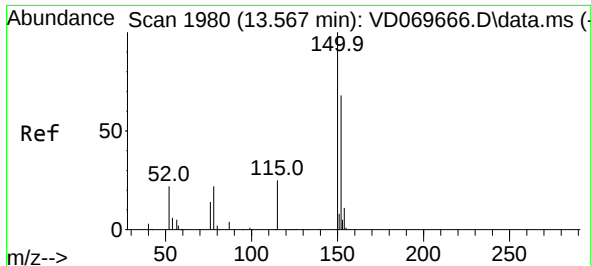
Tgt Ion:	95	Resp:	6690
Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	140.0
176	80.9	0.0	136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion:	117	Resp:	16916
Ion	Ratio	Lower	Upper
117	100		
82	64.3	47.4	71.2
119	32.4	25.5	38.3

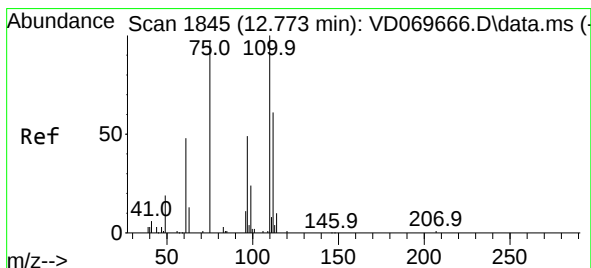
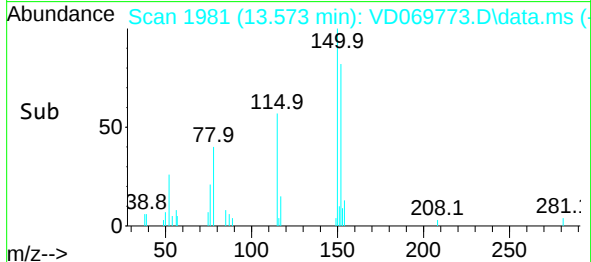
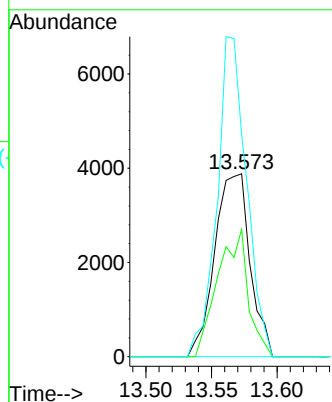
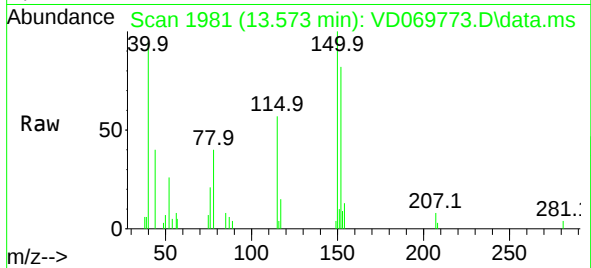




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

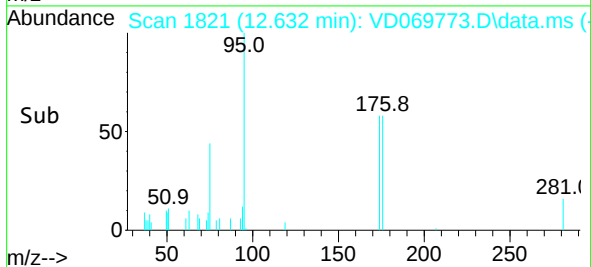
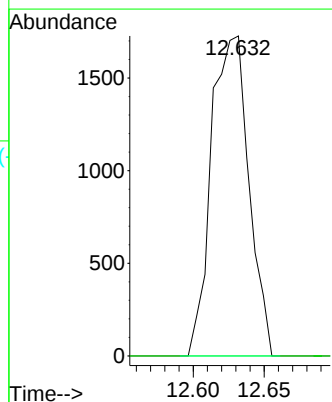
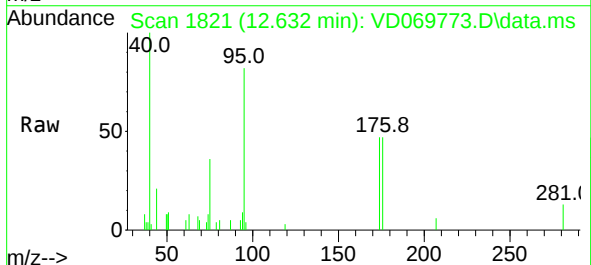
Instrument :
MSVOA_D
ClientSampleId :

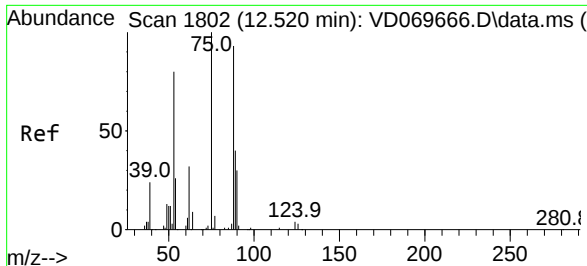
Tgt Ion:152 Resp: 7274
Ion Ratio Lower Upper
152 100
115 59.8 31.7 95.1
150 145.7 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 44.987 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 75 Resp: 3179
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

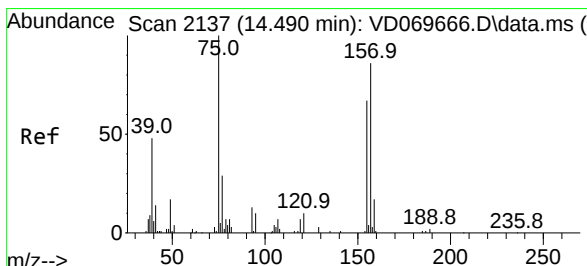
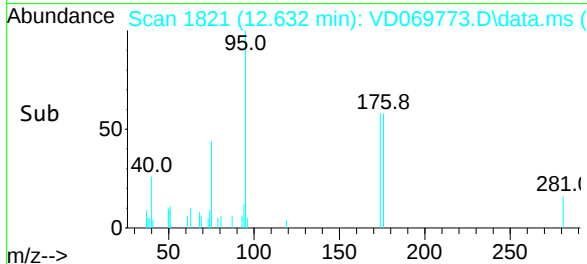
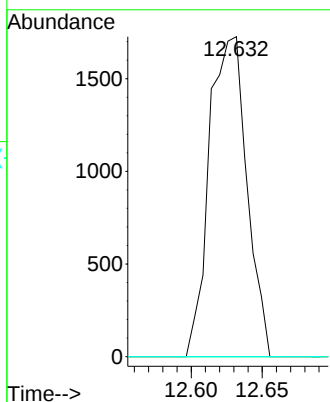
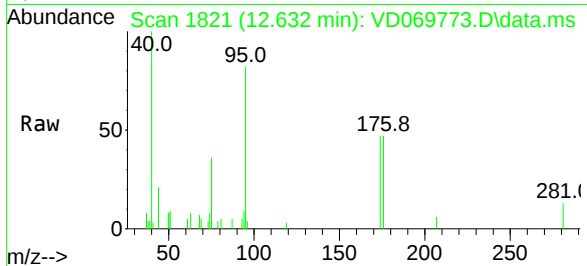




#81
trans-1,4-Dichloro-2-butene
Concen: 120.901 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3179
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.840 ug/l
RT: 14.502 min Scan# 2139
Delta R.T. 0.012 min
Lab File: VD069773.D
Acq: 20 Jul 2021 16:48

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#

