

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069797.D
 Acq On : 21 Jul 2021 18:08
 Operator : VA/SY
 Sample : M3129-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:43:04 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

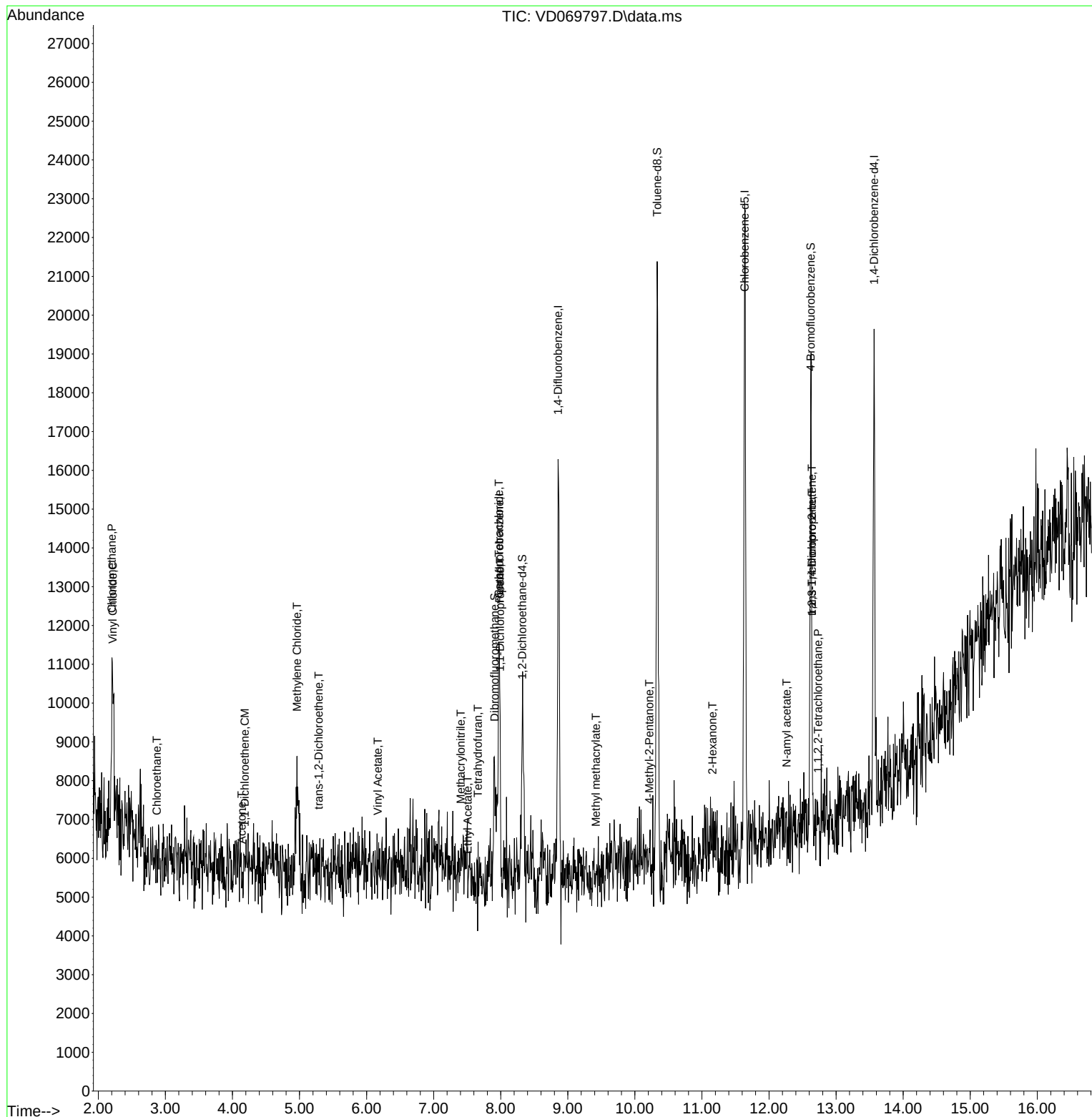
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	4986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	8955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11001	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3213	51.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.909	113	2633	43.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.660%	
50) Toluene-d8	10.332	98	10342	44.310	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.620%	
62) 4-Bromofluorobenzene	12.620	95	4122	52.954	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.900%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	121	1.436	ug/l #	1
4) Vinyl Chloride	2.215	62	114	1.503	ug/l #	43
5) Bromomethane	2.856	94	65	Below Cal	#	5
6) Chloroethane	2.874	64	58	1.195	ug/l #	43
12) 1,1-Dichloroethene	4.185	96	59	1.085	ug/l #	1
16) Acetone	4.138	43	111	20.782	ug/l #	39
18) Methyl Acetate	4.756	43	55	Below Cal	#	49
20) Methylene Chloride	4.962	84	2246	22.467	ug/l #	72
21) trans-1,2-Dichloroethene	5.285	96	76	1.170	ug/l #	1
23) Vinyl Acetate	6.167	43	54	15.942	ug/l #	72
29) Tetrahydrofuran	7.662	42	63	6.911	ug/l #	32
36) 1,1-Dichloropropene	7.991	75	238	2.576	ug/l #	42
37) Ethyl Acetate	7.509	43	55	1.574	ug/l #	67
38) Carbon Tetrachloride	7.973	117	312	3.688	ug/l #	13
41) Methacrylonitrile	7.403	41	57	3.147	ug/l #	27
48) Methyl methacrylate	9.420	41	90	3.752	ug/l #	13
51) 4-Methyl-2-Pentanone	10.214	43	89	2.686	ug/l #	34
59) 2-Hexanone	11.155	43	78	3.531	ug/l #	22
74) N-amyl acetate	12.261	43	83	1.479	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.732	83	67	1.302	ug/l #	25
76) 1,2,3-Trichloropropane	12.638	75	1913	54.292	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.638	75	1913	145.908	ug/l #	14

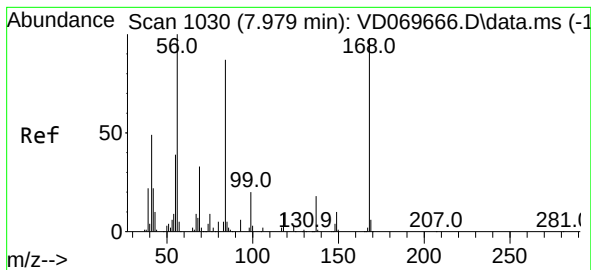
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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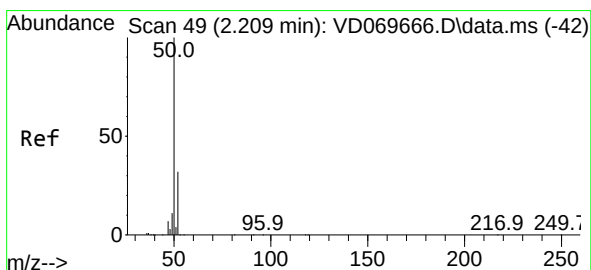
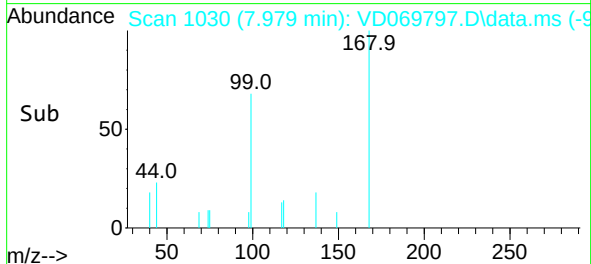
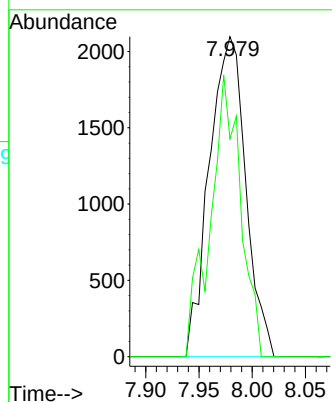
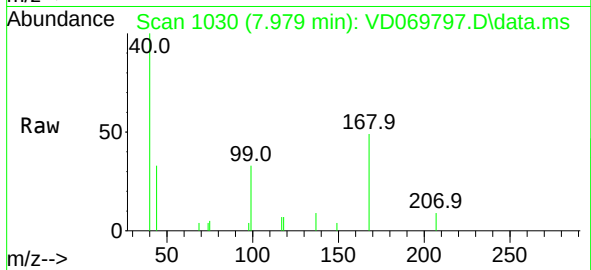




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

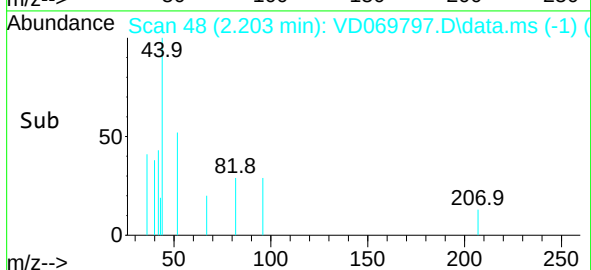
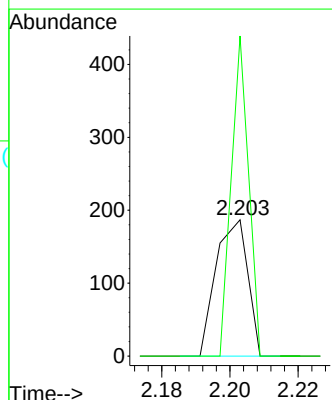
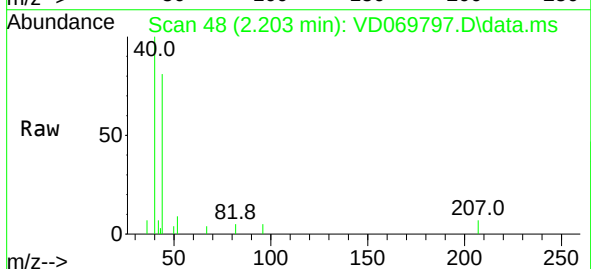
Instrument :
MSVOA_D
ClientSampled :

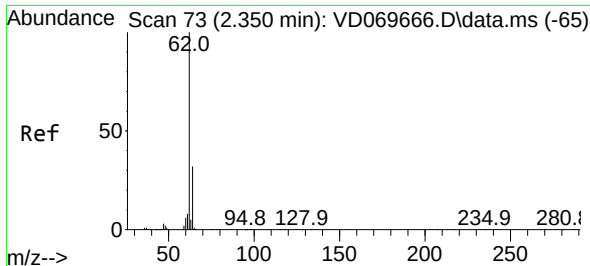
Tgt Ion:168 Resp: 4986
Ion Ratio Lower Upper
168 100
99 68.1 51.8 77.6



#3
Chloromethane
Concen: 1.436 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion: 50 Resp: 121
Ion Ratio Lower Upper
50 100
52 234.8 25.9 38.9#

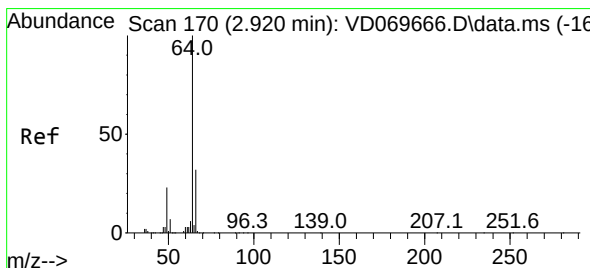
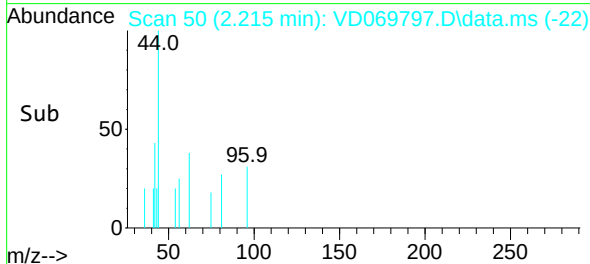
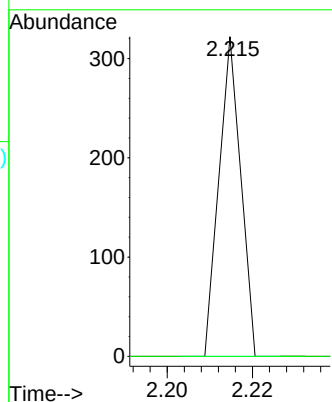
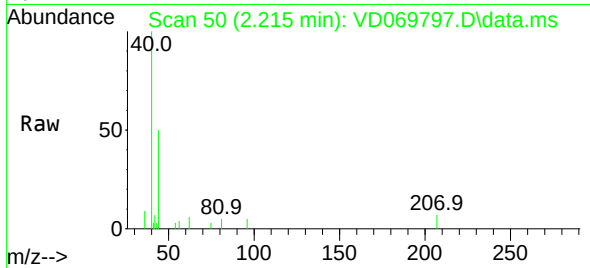




#4
 Vinyl Chloride
 Concen: 1.503 ug/l
 RT: 2.215 min Scan# 50
 Delta R.T. -0.135 min
 Lab File: VD069797.D
 Acq: 21 Jul 2021 18:08

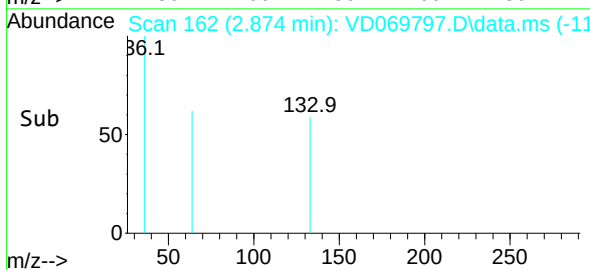
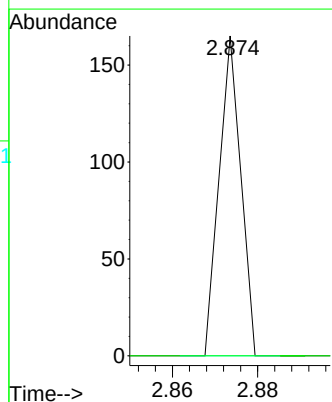
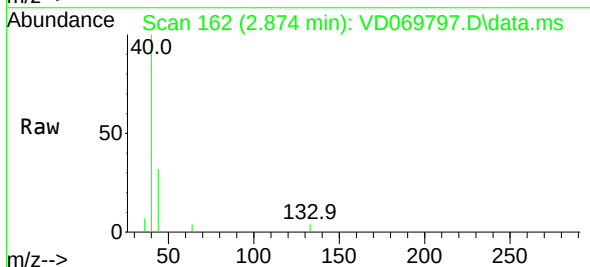
Instrument :
 MSVOA_D
 ClientSampled :

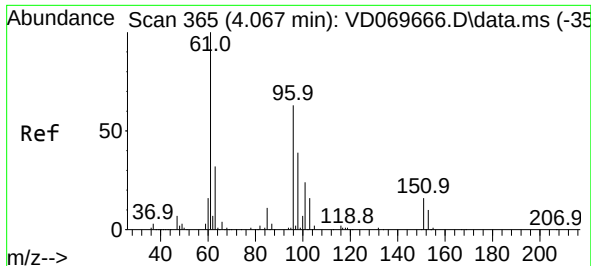
Tgt Ion: 62 Resp: 114
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.6 38.4#



#6
 Chloroethane
 Concen: 1.195 ug/l
 RT: 2.874 min Scan# 162
 Delta R.T. -0.046 min
 Lab File: VD069797.D
 Acq: 21 Jul 2021 18:08

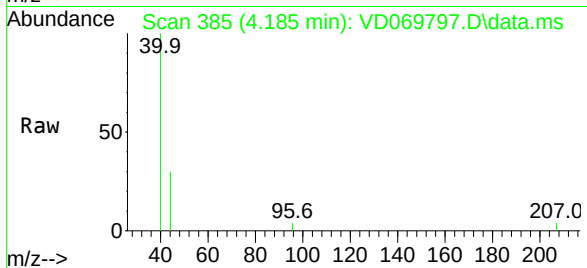
Tgt Ion: 64 Resp: 58
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.2#



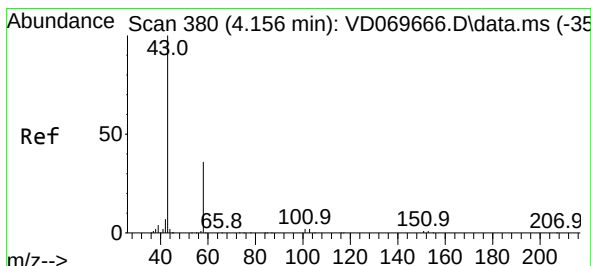
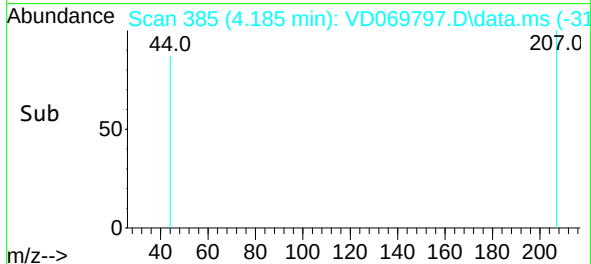
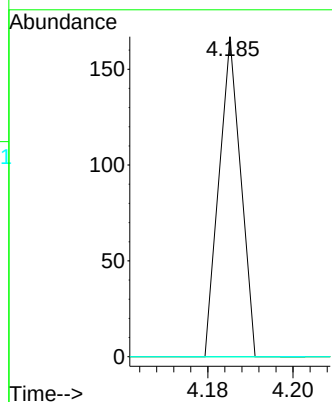


#12
 1,1-Dichloroethene
 Concen: 1.085 ug/l
 RT: 4.185 min Scan# 385
 Delta R.T. 0.118 min
 Lab File: VD069797.D
 Acq: 21 Jul 2021 18:08

Instrument :
 MSVOA_D
 ClientSampled :

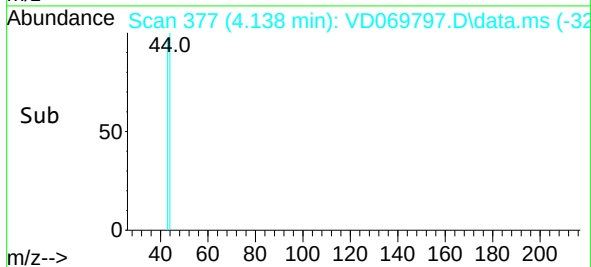
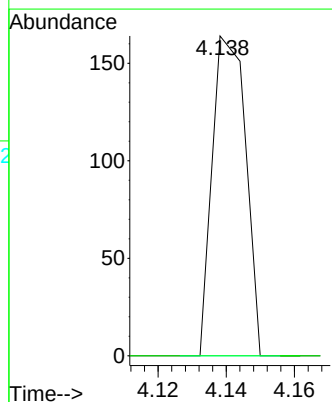
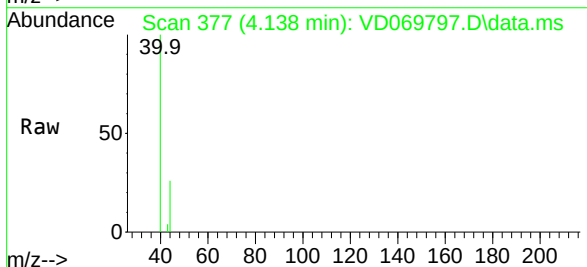


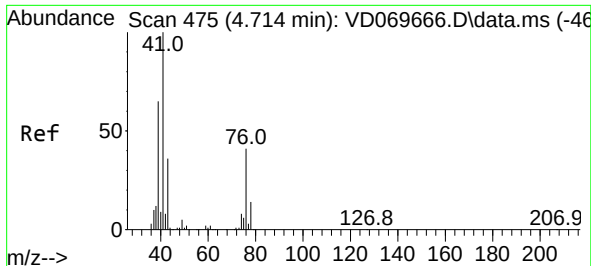
Tgt Ion: 96 Resp: 59
 Ion Ratio Lower Upper
 96 100
 61 0.0 126.4 189.6#
 98 0.0 48.9 73.3#



#16
 Acetone
 Concen: 20.782 ug/l
 RT: 4.138 min Scan# 377
 Delta R.T. -0.018 min
 Lab File: VD069797.D
 Acq: 21 Jul 2021 18:08

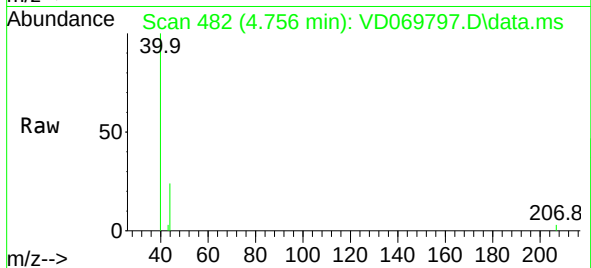
Tgt Ion: 43 Resp: 111
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#



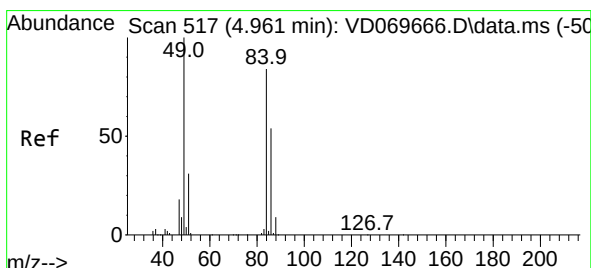
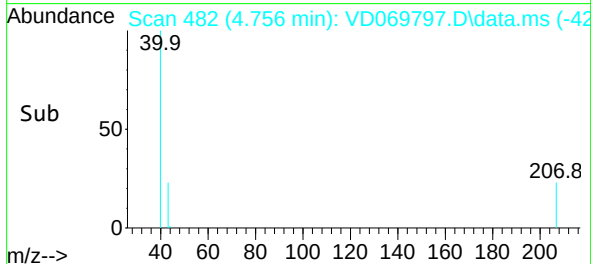
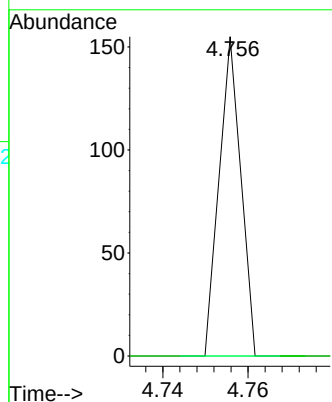


#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 482
Delta R.T. 0.042 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

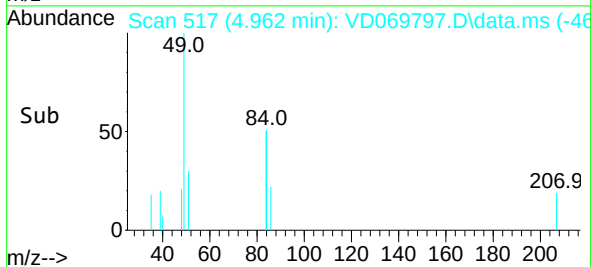
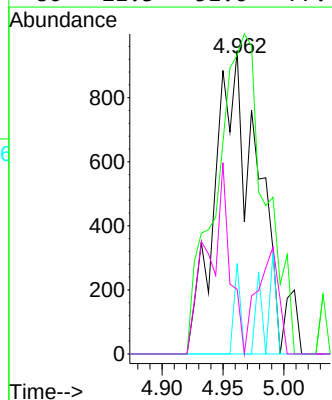
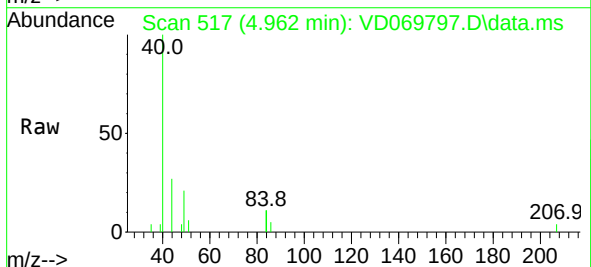


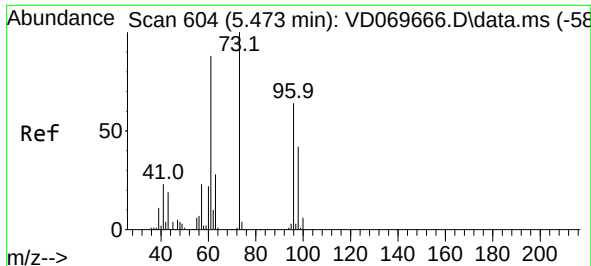
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 22.467 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

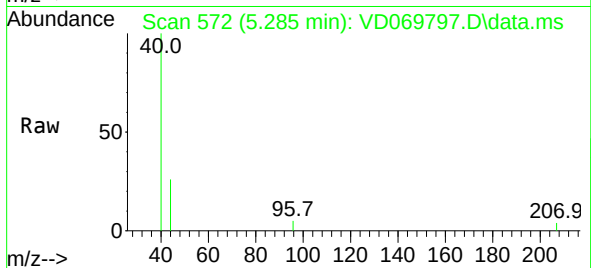
Tgt Ion: 84 Resp: 2246
Ion Ratio Lower Upper
84 100
49 98.5 95.5 143.3
51 29.8 29.7 44.5
86 21.3 51.6 77.4#



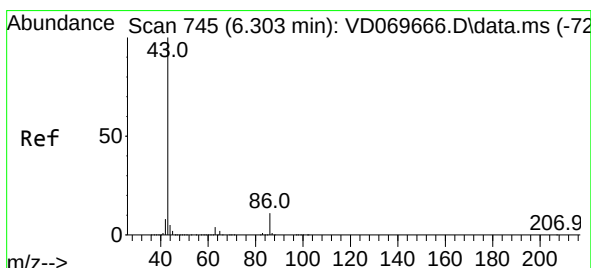
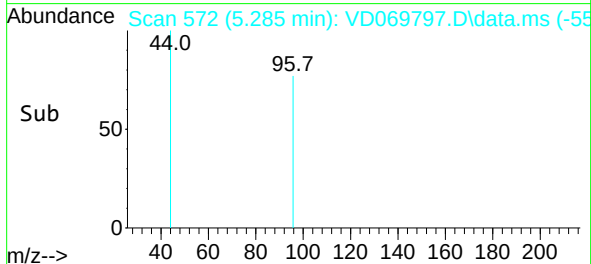
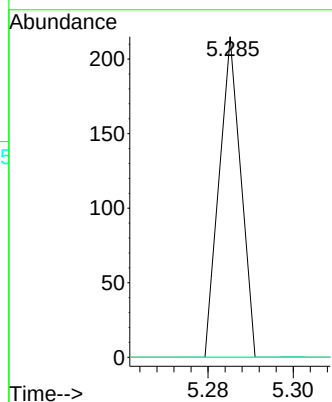


#21
trans-1,2-Dichloroethene
Concen: 1.170 ug/l
RT: 5.285 min Scan# 572
Delta R.T. -0.188 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

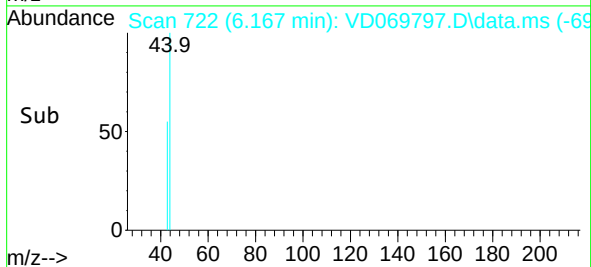
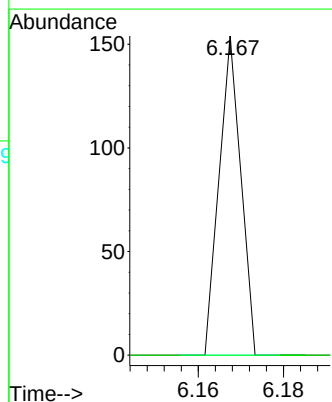
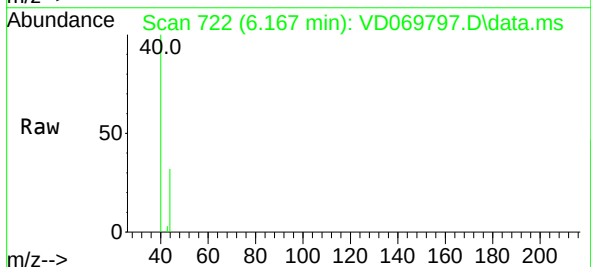


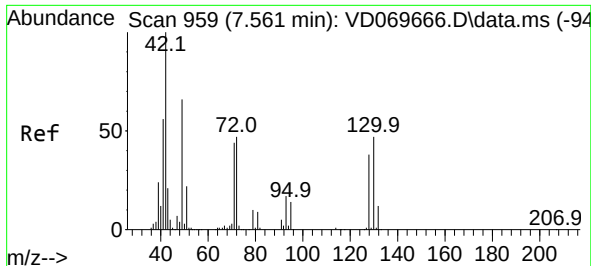
Tgt Ion: 96 Resp: 76
Ion Ratio Lower Upper
96 100
61 0.0 110.9 166.3#
98 0.0 52.2 78.2#



#23
Vinyl Acetate
Concen: 15.942 ug/l
RT: 6.167 min Scan# 722
Delta R.T. -0.136 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

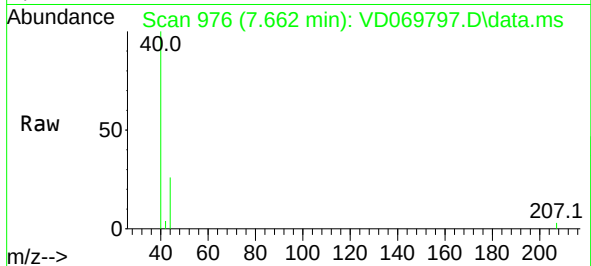
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#



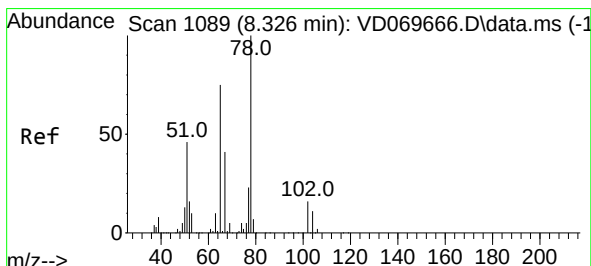
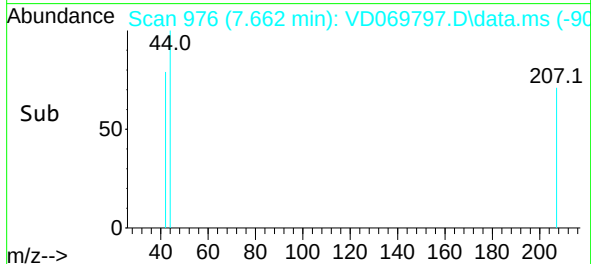
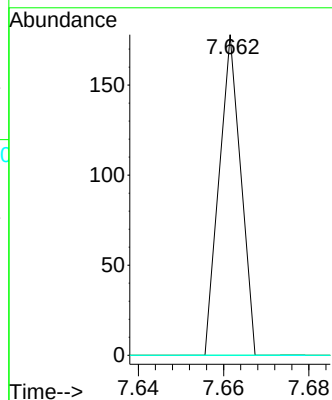


#29
Tetrahydrofuran
Concen: 6.911 ug/l
RT: 7.662 min Scan# 976
Delta R.T. 0.101 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

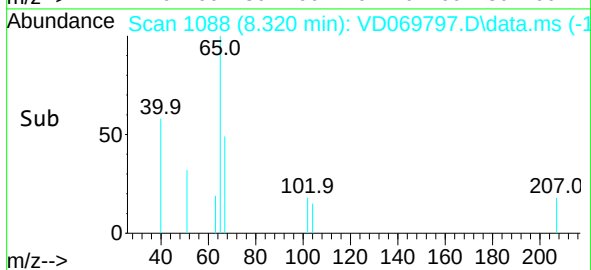
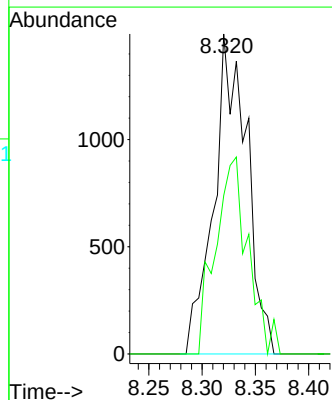
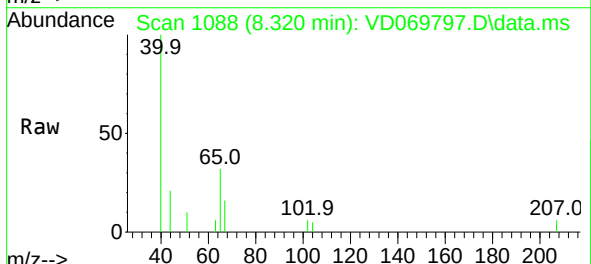


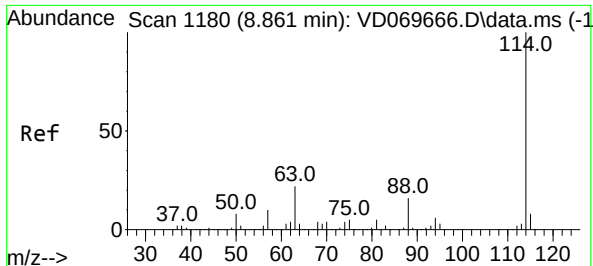
Tgt Ion: 42 Resp: 63
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.4 50.0#



#33
1,2-Dichloroethane-d4
Concen: 51.609 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion: 65 Resp: 3213
Ion Ratio Lower Upper
65 100
67 60.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

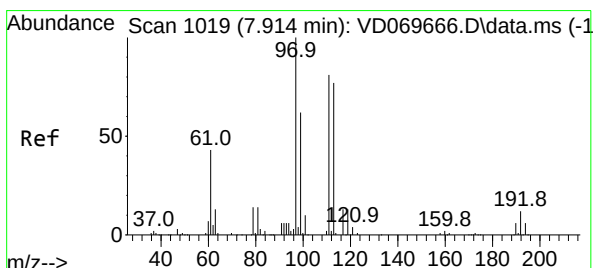
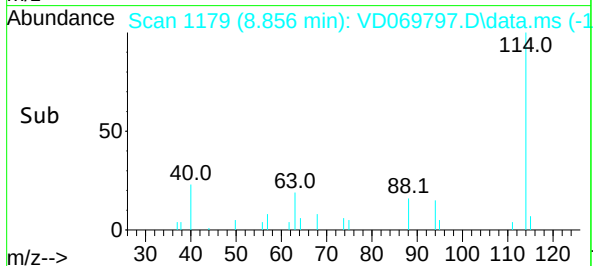
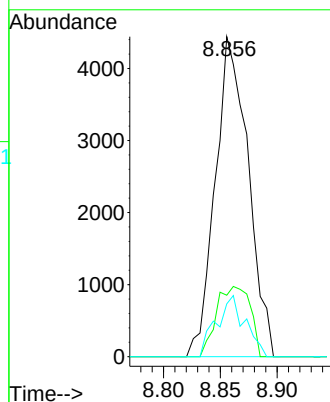
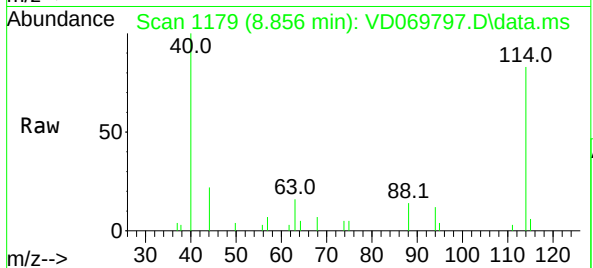
Delta R.T. -0.005 min

Lab File: VD069797.D

Acq: 21 Jul 2021 18:08

Tgt Ion:	114	Resp:	8955
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	43.4
88	16.5	0.0	32.0

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 43.827 ug/l

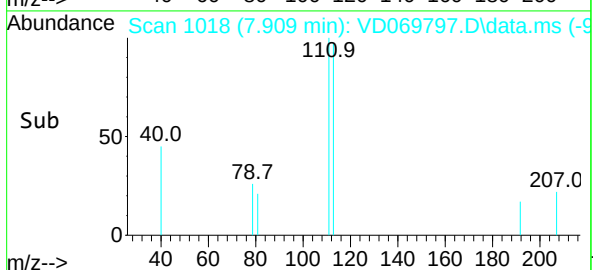
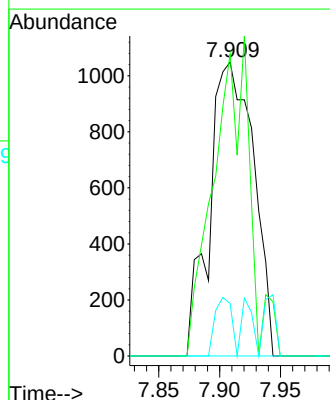
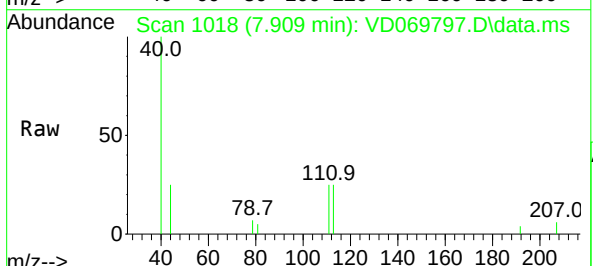
RT: 7.909 min Scan# 1018

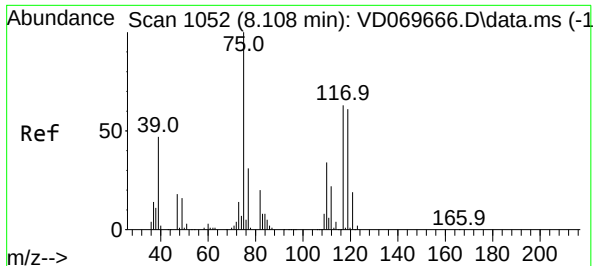
Delta R.T. -0.005 min

Lab File: VD069797.D

Acq: 21 Jul 2021 18:08

Tgt Ion:	113	Resp:	2633
Ion Ratio	Lower	Upper	
113	100		
111	0.0	82.6	123.8#
192	7.5	12.7	19.1#

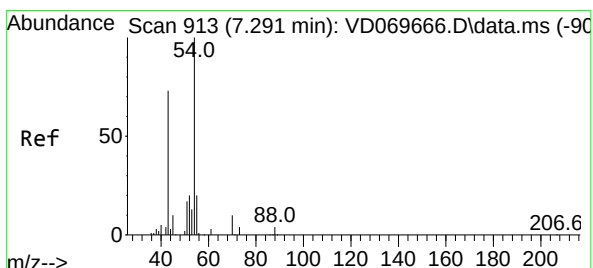
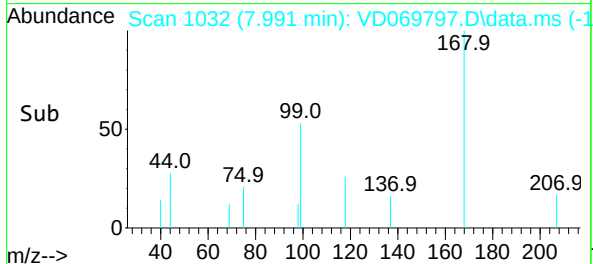
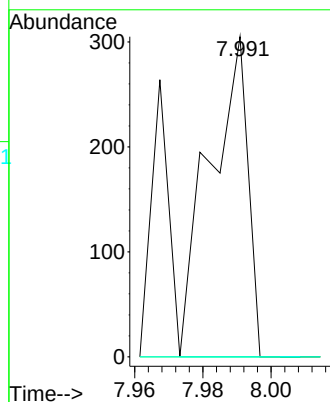
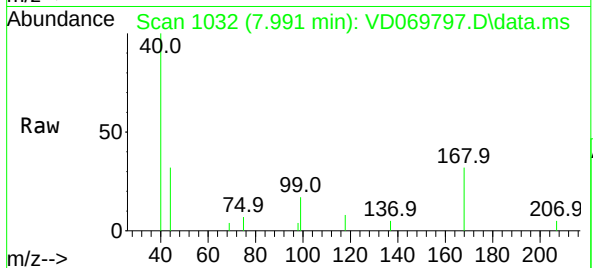




#36
1,1-Dichloropropene
Concen: 2.576 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.117 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

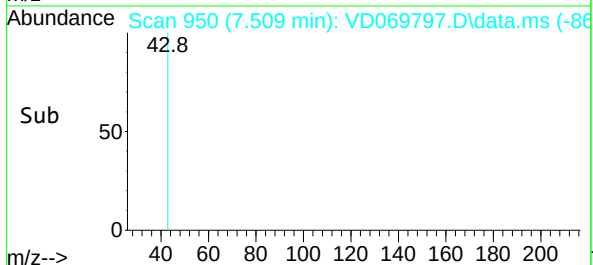
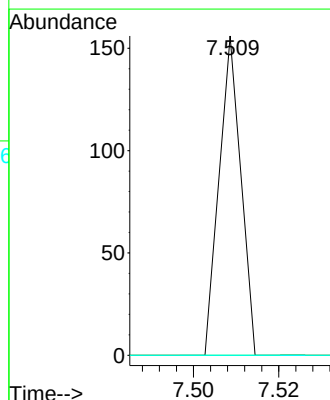
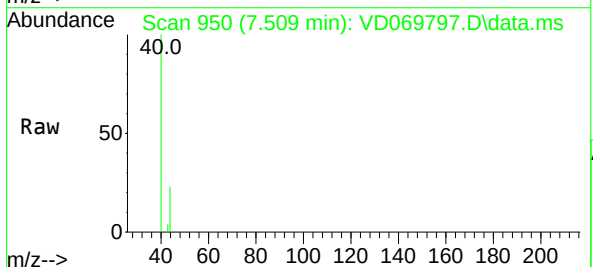
Instrument :
MSVOA_D
ClientSampleId :

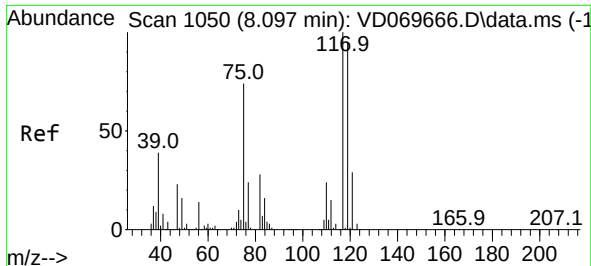
Tgt Ion: 75 Resp: 238
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.574 ug/l
RT: 7.509 min Scan# 950
Delta R.T. 0.218 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

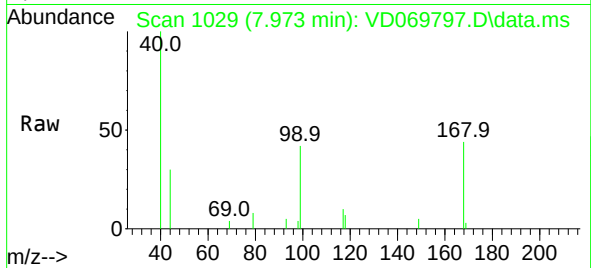
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#



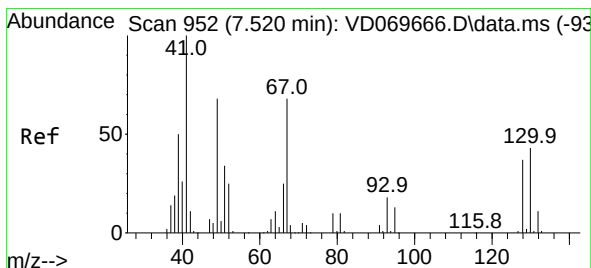
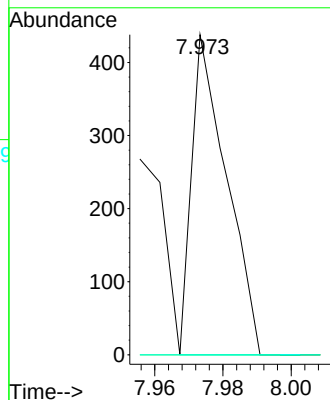
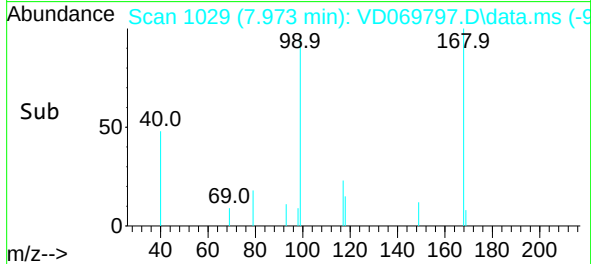


#38
Carbon Tetrachloride
Concen: 3.688 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

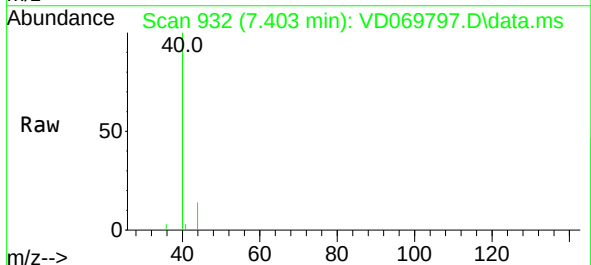
Instrument :
MSVOA_D
ClientSampled :



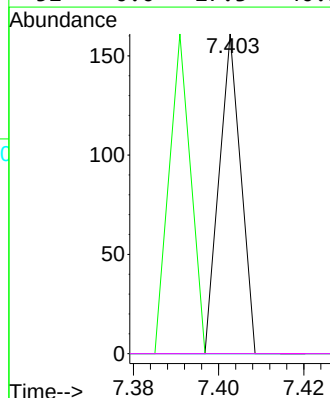
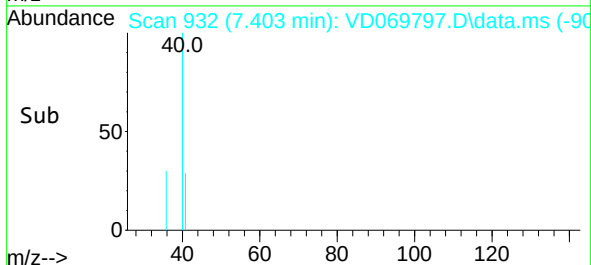
Tgt Ion:117 Resp: 312
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

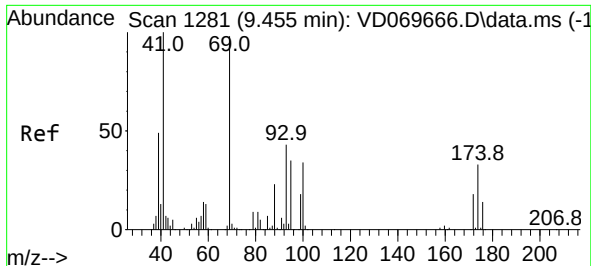


#41
Methacrylonitrile
Concen: 3.147 ug/l
RT: 7.403 min Scan# 932
Delta R.T. -0.117 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08



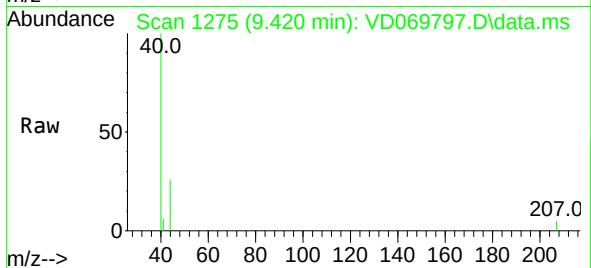
Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 100.0 47.4 71.0#
67 0.0 67.0 100.6#
52 0.0 27.3 40.9#



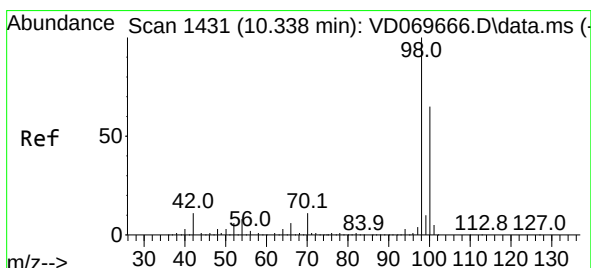
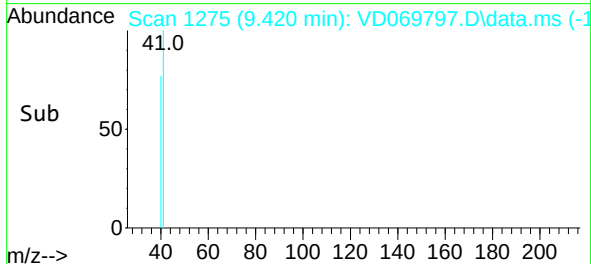
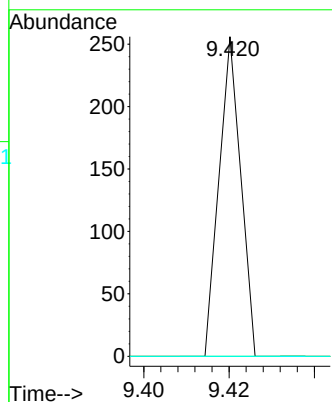


#48
Methyl methacrylate
Concen: 3.752 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.035 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

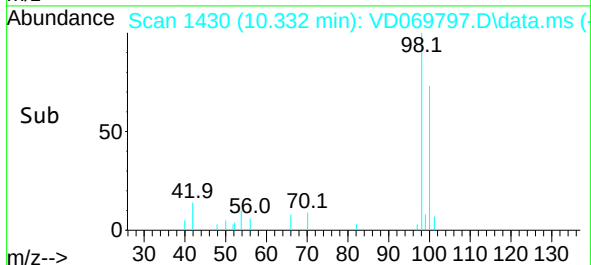
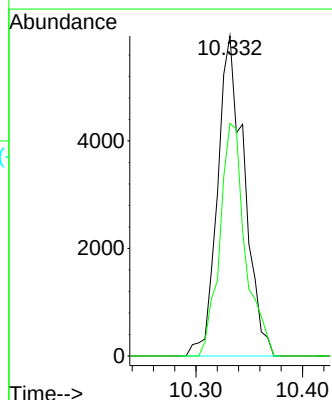
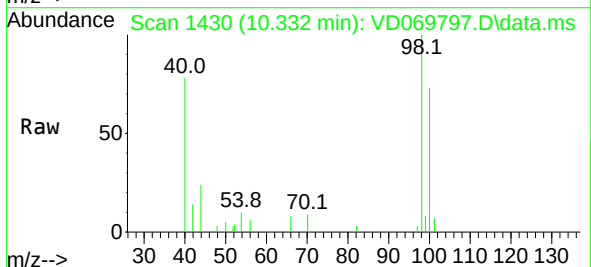


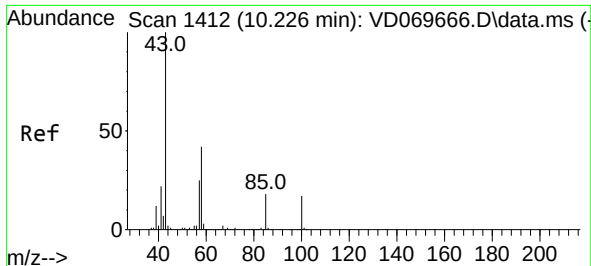
Tgt Ion: 41 Resp: 90
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 44.310 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion: 98 Resp: 10342
Ion Ratio Lower Upper
98 100
100 69.3 52.2 78.2

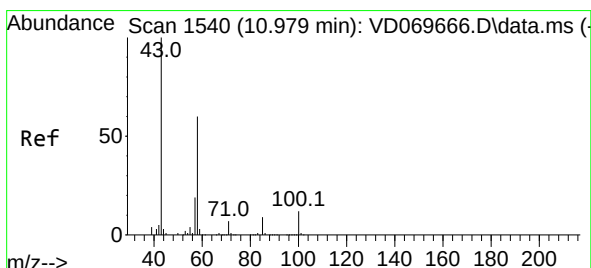
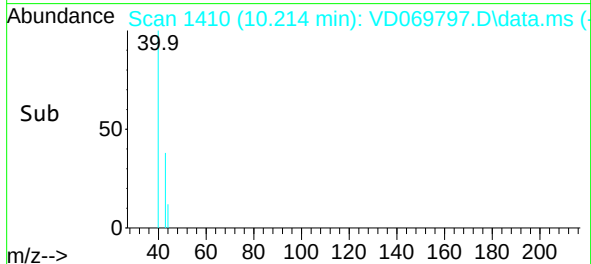
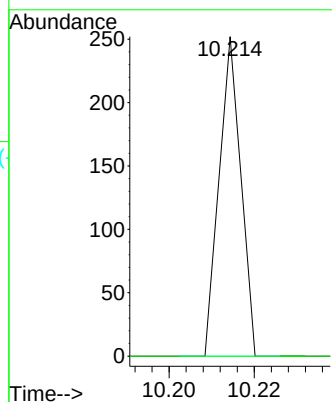
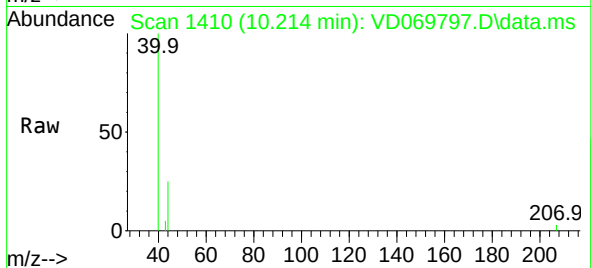




#51
4-Methyl-2-Pentanone
Concen: 2.686 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

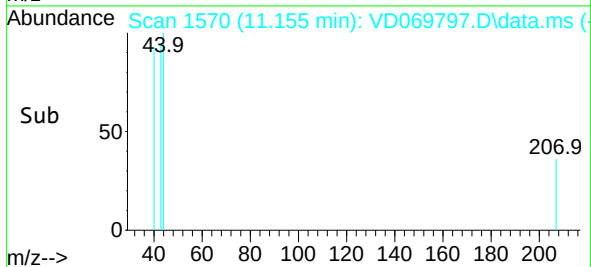
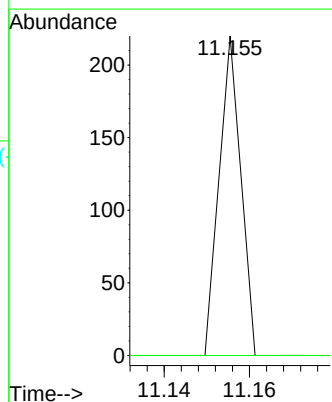
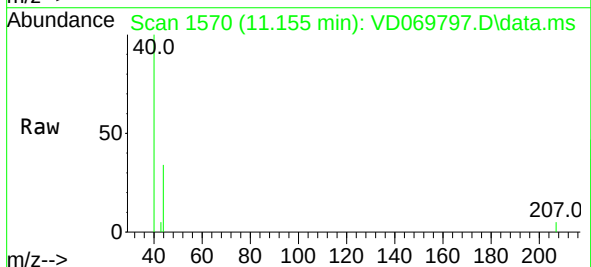
Instrument :
MSVOA_D
ClientSampled :

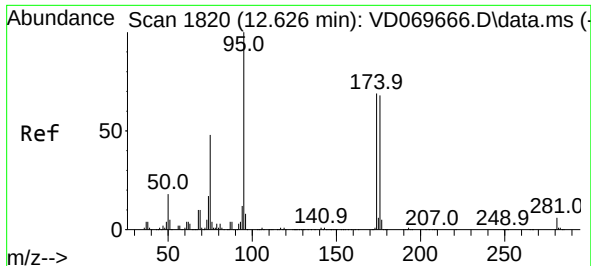
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 3.531 ug/l
RT: 11.155 min Scan# 1570
Delta R.T. 0.176 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

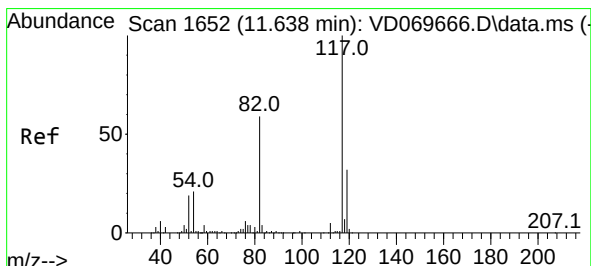
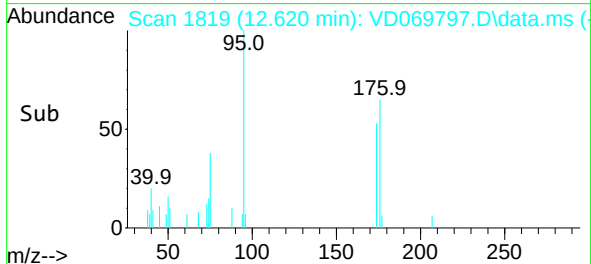
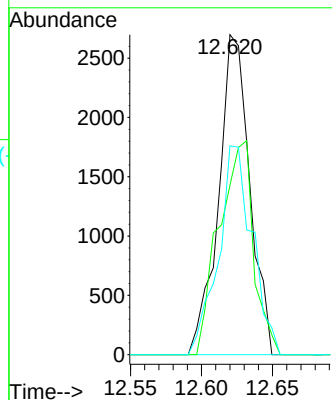
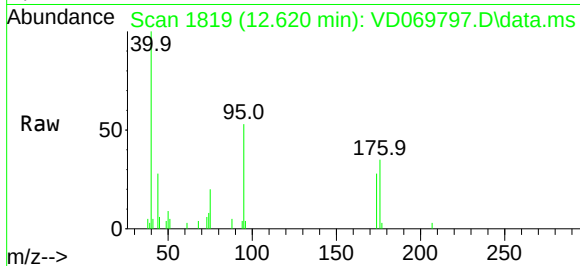




#62
4-Bromofluorobenzene
Concen: 52.954 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

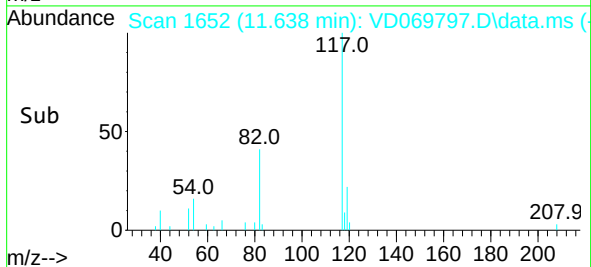
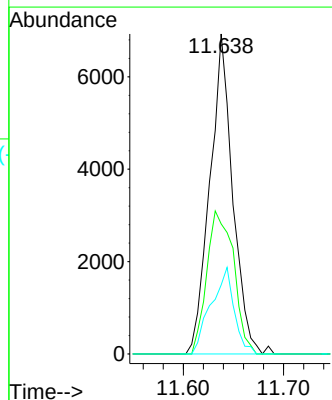
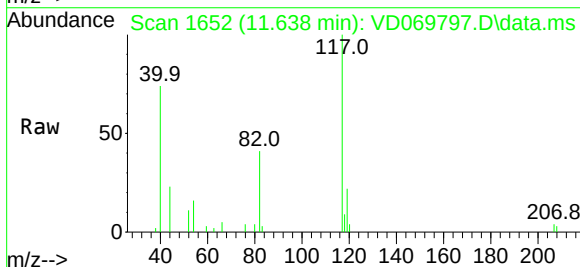
Instrument :
MSVOA_D
ClientSampleId :

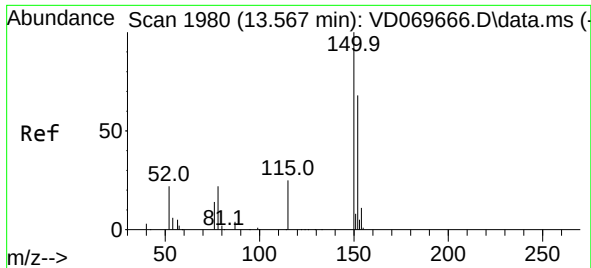
Tgt Ion:	95	Resp:	4122
Ion Ratio	Lower	Upper	
95	100		
174	73.8	0.0	140.0
176	70.7	0.0	136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion:	117	Resp:	11001
Ion Ratio	Lower	Upper	
117	100		
82	40.7	47.4	71.2#
119	21.6	25.5	38.3#

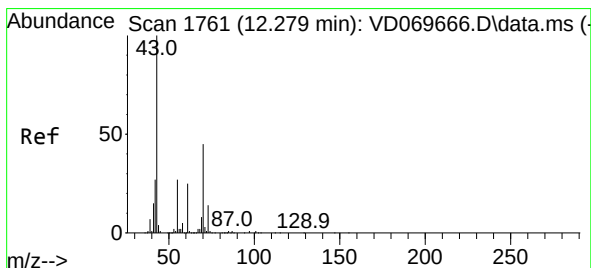
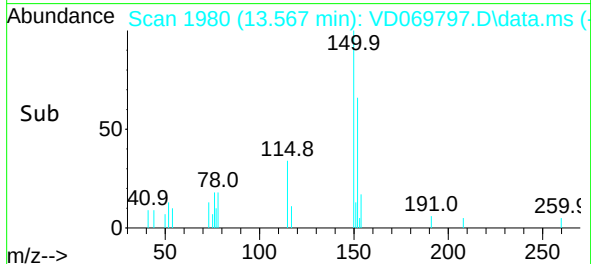
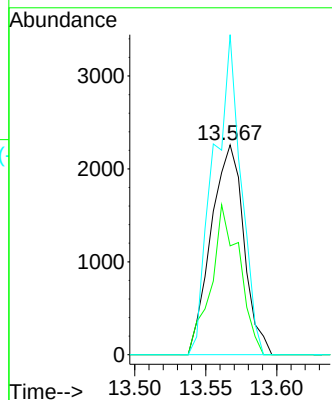
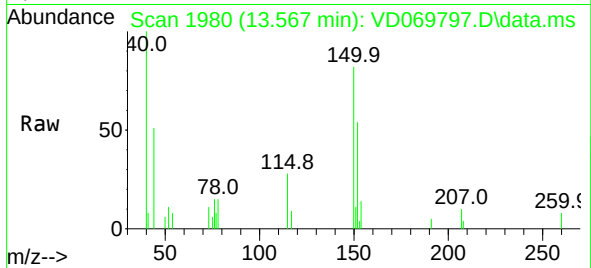




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

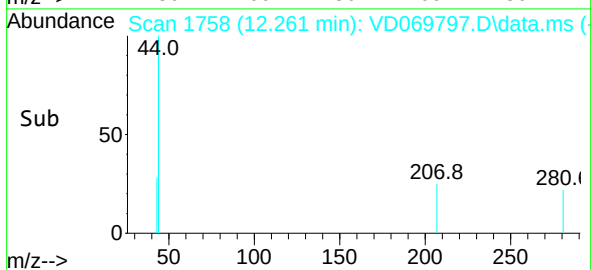
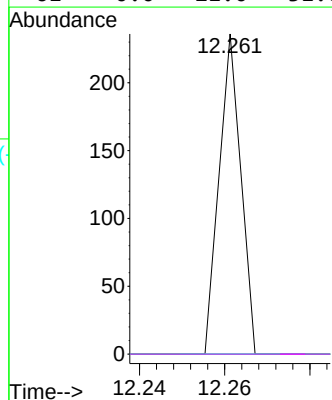
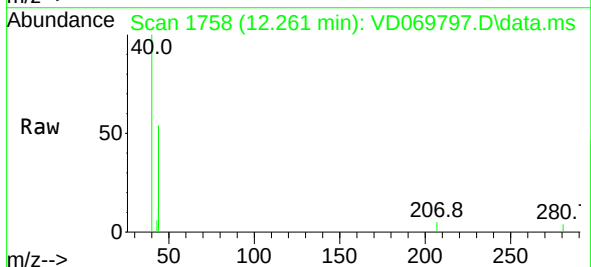
Instrument :
MSVOA_D
ClientSampled :

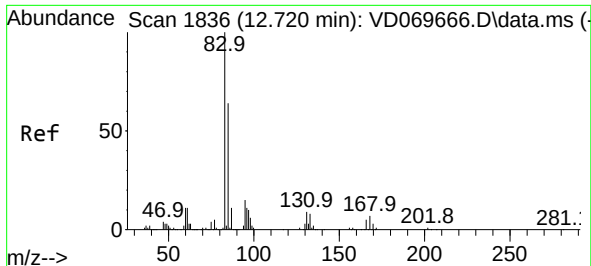
Tgt Ion:152 Resp: 3627
Ion Ratio Lower Upper
152 100
115 61.7 31.7 95.1
150 128.6 0.0 350.4



#74
N-ethyl acetate
Concen: 1.479 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
70 0.0 36.9 55.3#
55 0.0 22.4 33.6#
61 0.0 21.0 31.6#

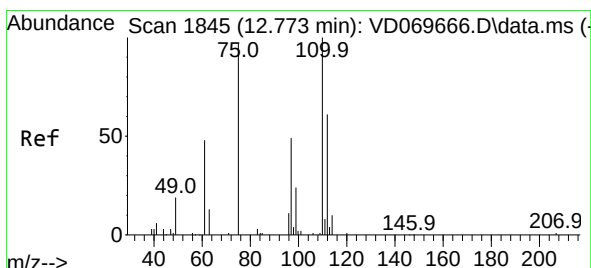
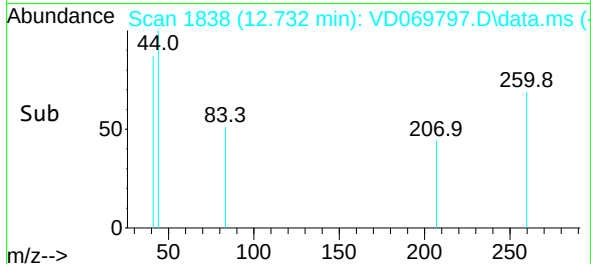
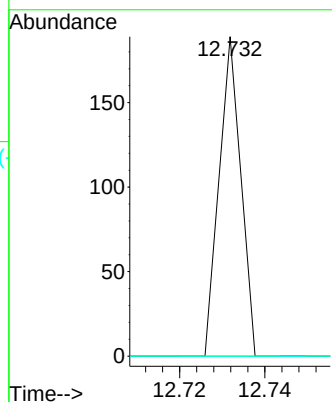
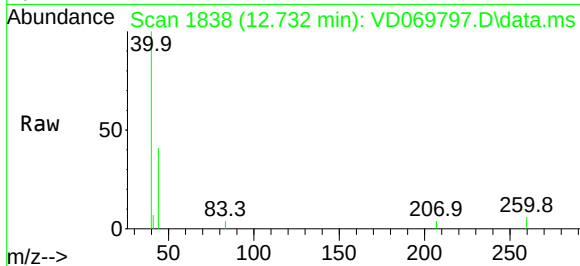




#75
1,1,2,2-Tetrachloroethane
Concen: 1.302 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. 0.012 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

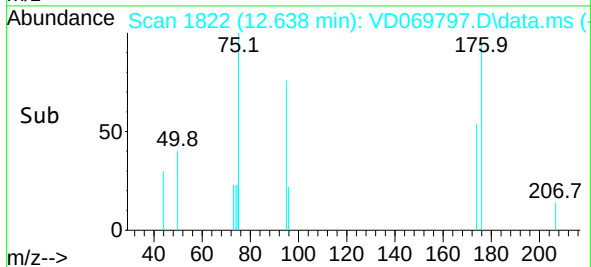
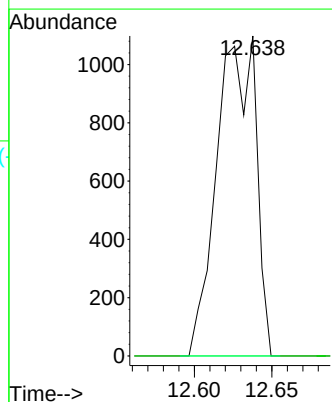
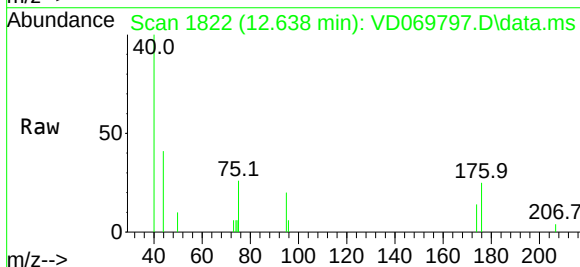
Instrument :
MSVOA_D
ClientSampled :

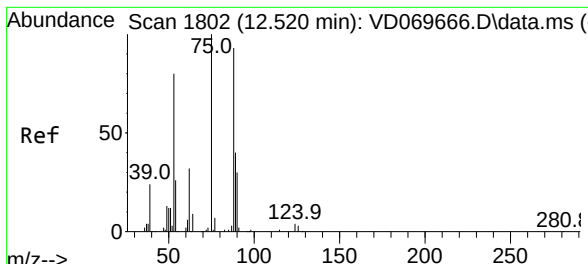
Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 32.6 97.7#



#76
1,2,3-Trichloropropane
Concen: 54.292 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.135 min
Lab File: VD069797.D
Acq: 21 Jul 2021 18:08

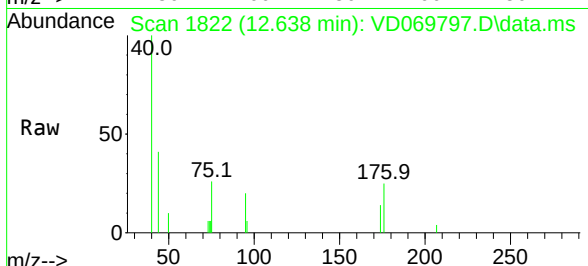
Tgt Ion: 75 Resp: 1913
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.908 ug/l
 RT: 12.638 min Scan# 1822
 Delta R.T. 0.118 min
 Lab File: VD069797.D
 Acq: 21 Jul 2021 18:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	1913
Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.6	106.0#
89	0.0	35.1	52.7#

