

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069835.D
 Acq On : 23 Jul 2021 18:13
 Operator : VA/SY
 Sample : M3117-07
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:36:13 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)

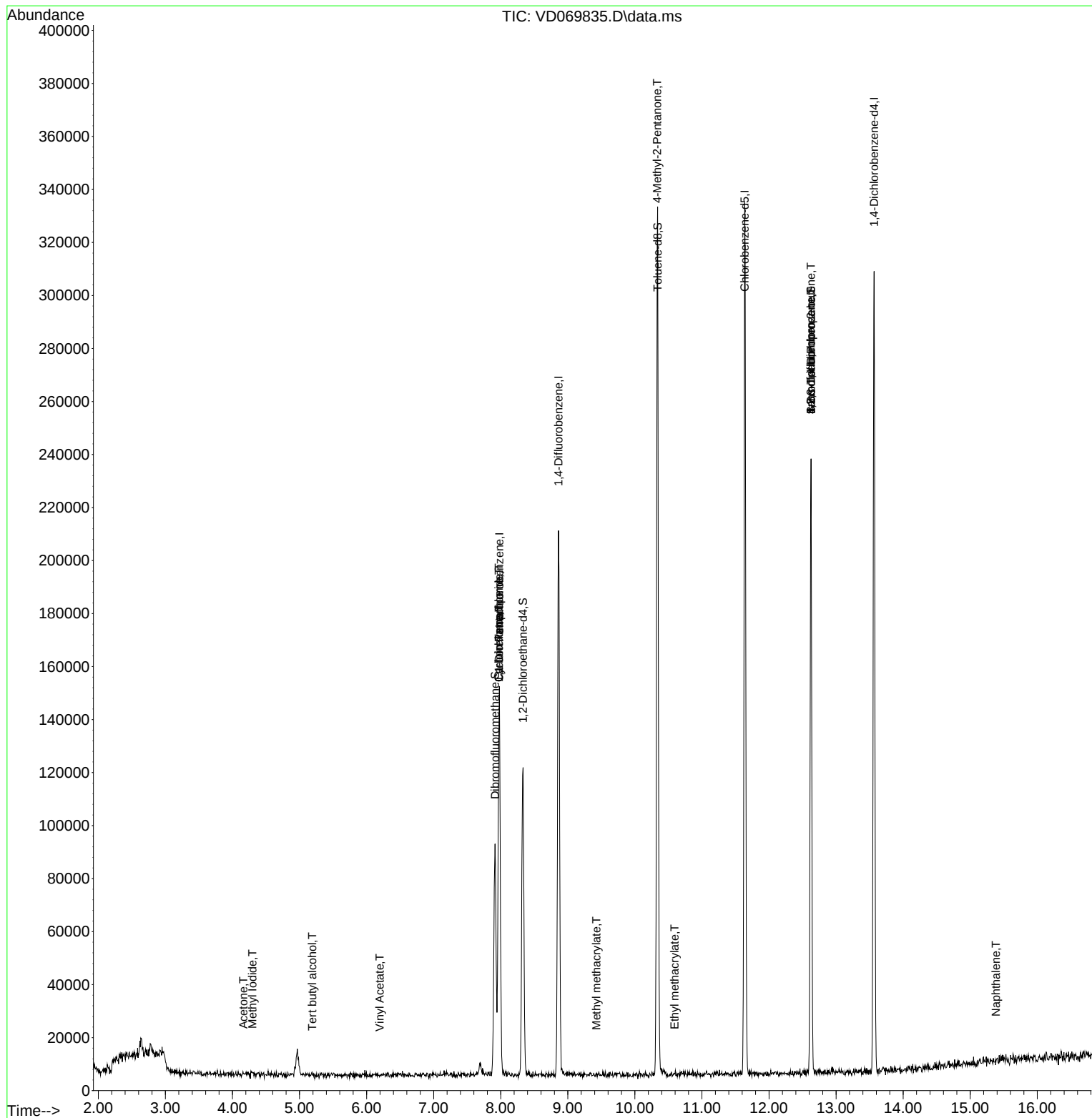
Internal Standards						
1) Pentafluorobenzene	7.979	168	102534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	177227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	194071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	81876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	93141	78.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.960%	
35) Dibromofluoromethane	7.914	113	64210	57.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.940%	
50) Toluene-d8	10.338	98	225320	52.303	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.600%	
62) 4-Bromofluorobenzene	12.626	95	78136	54.271	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1796	Below Cal	#	74
10) Methyl Iodide	4.297	142	1166	4.314	ug/l #	45
11) Tert butyl alcohol	5.191	59	67	1.098	ug/l #	73
16) Acetone	4.162	43	646	3.033	ug/l #	38
20) Methylene Chloride	4.973	84	7209	Below Cal	#	91
23) Vinyl Acetate	6.197	43	118	20.402	ug/l #	71
31) Cyclohexane	7.973	56	2969	1.289	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	10134	5.299	ug/l #	46
38) Carbon Tetrachloride	7.973	117	10952	6.269	ug/l #	16
48) Methyl methacrylate	9.426	41	55	2.825	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	1193	1.836	ug/l #	1
56) Ethyl methacrylate	10.591	69	54	3.936	ug/l #	28
71) Bromoform	12.626	173	950	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	38034	43.703	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	38034	132.584	ug/l #	16
95) Naphthalene	15.385	128	59	5.018	ug/l #	69

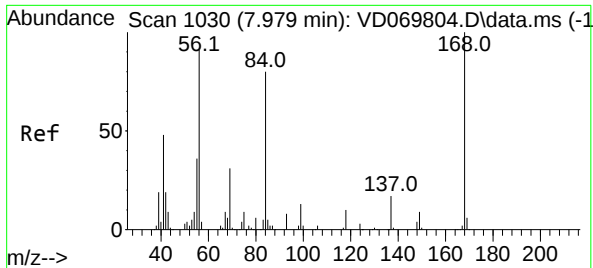
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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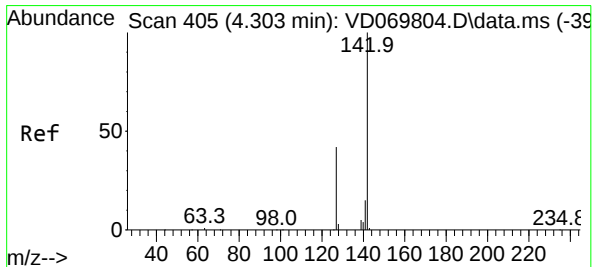
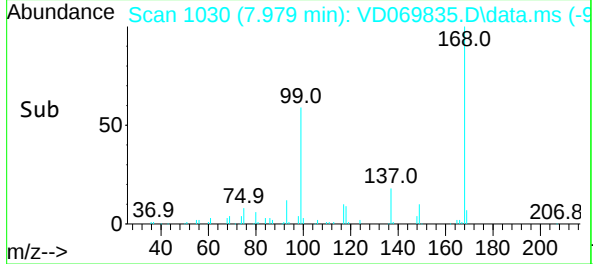
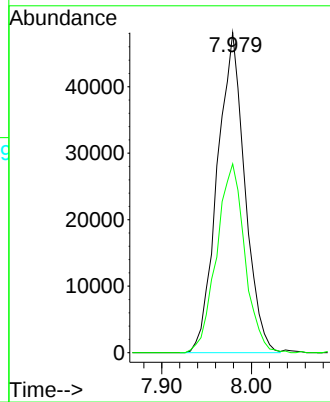
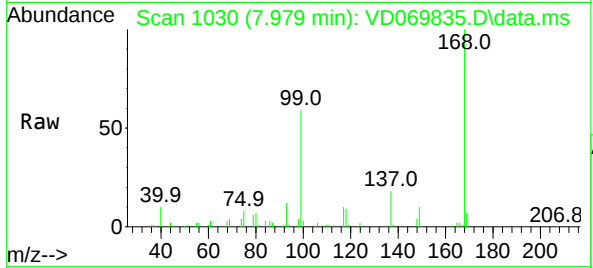




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

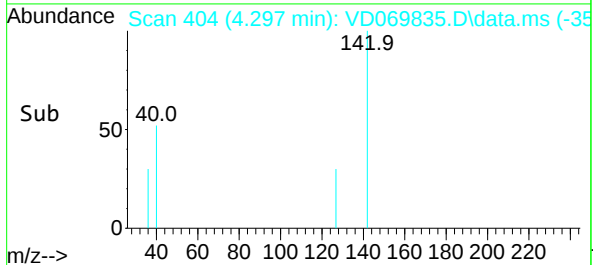
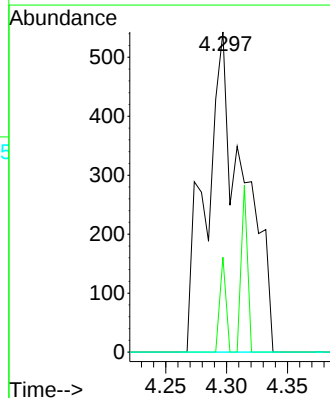
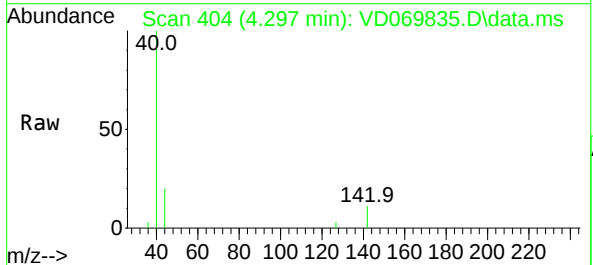
Instrument :
MSVOA_D
ClientSampled :

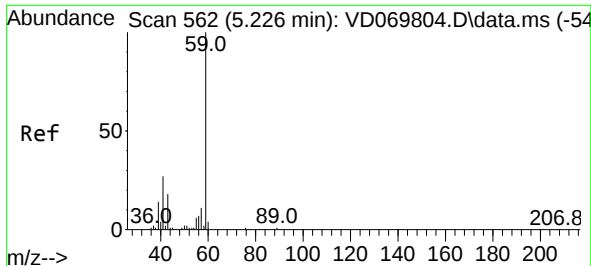
Tgt Ion:168 Resp: 102534
Ion Ratio Lower Upper
168 100
99 59.0 51.1 76.7



#10
Methyl Iodide
Concen: 4.314 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

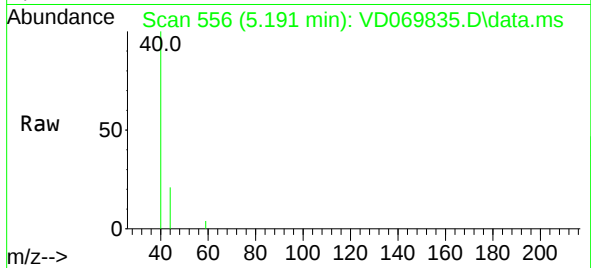
Tgt Ion:142 Resp: 1166
Ion Ratio Lower Upper
142 100
127 4.9 35.7 53.5#
141 0.0 12.0 18.0#



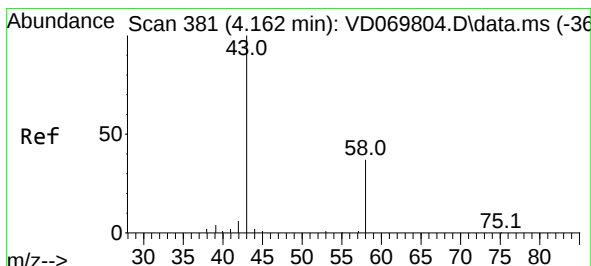
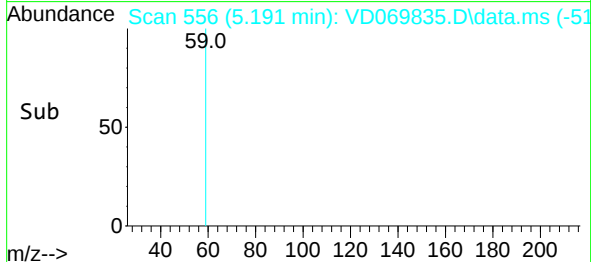
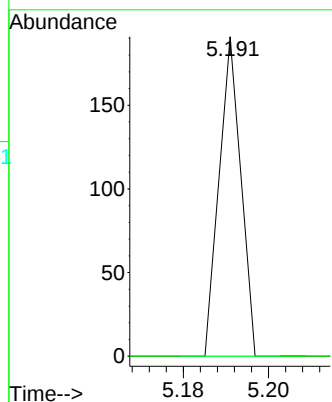


#11
Tert butyl alcohol
Concen: 1.098 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.035 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

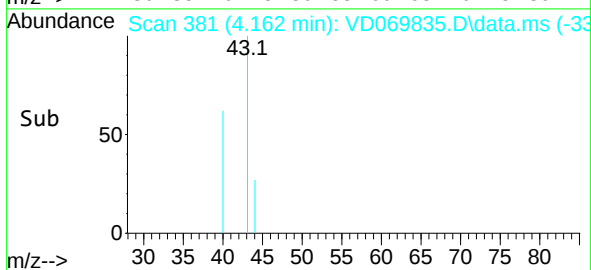
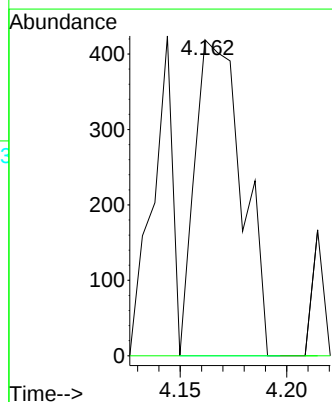
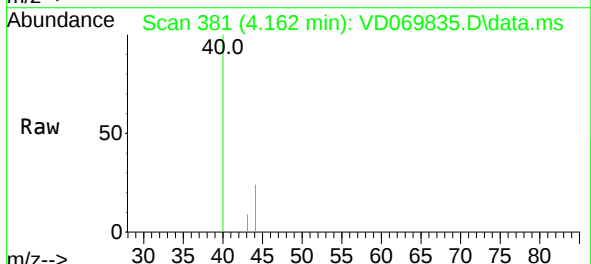


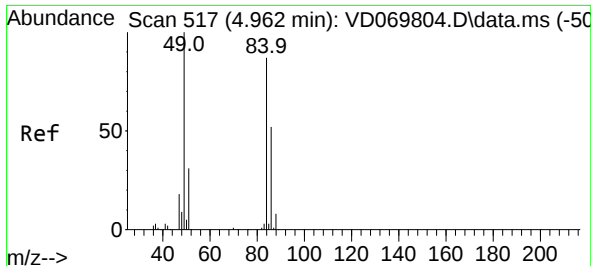
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 3.033 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

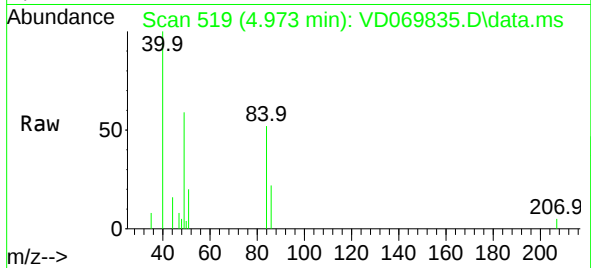
Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



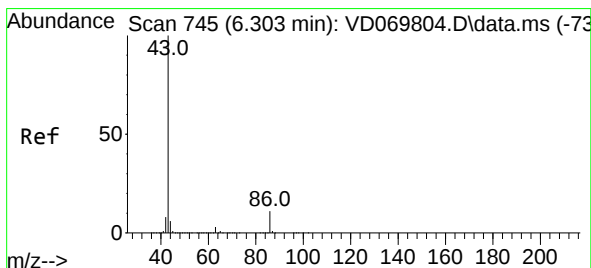
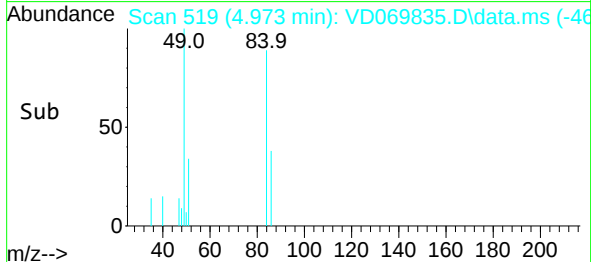
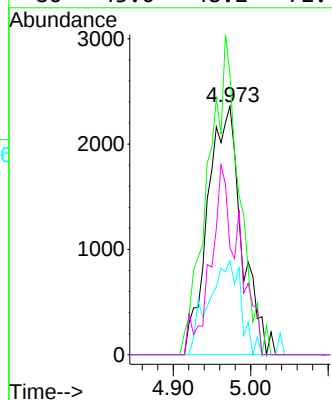


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

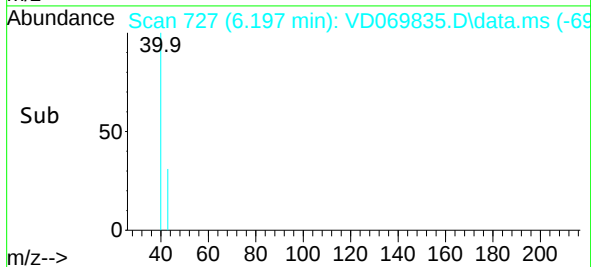
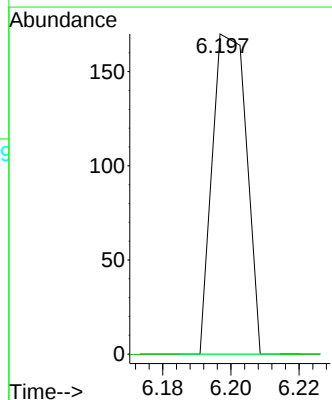
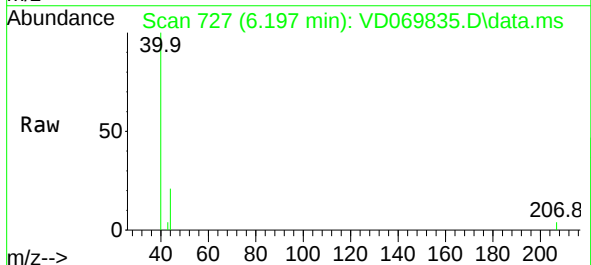


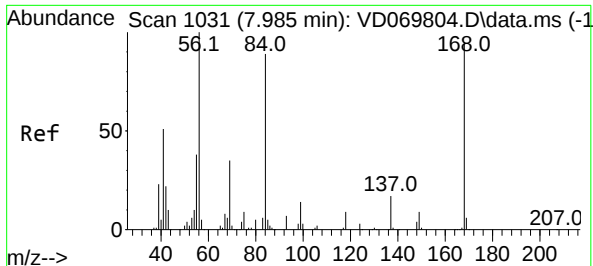
Tgt Ion:	84	Resp:	7209
Ion	Ratio	Lower	Upper
84	100		
49	112.8	92.4	138.6
51	37.8	28.5	42.7
86	43.0	48.2	72.4#



#23
Vinyl Acetate
Concen: 20.402 ug/l
RT: 6.197 min Scan# 727
Delta R.T. -0.106 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

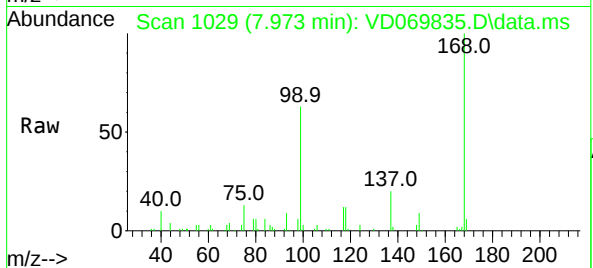
Tgt Ion:	43	Resp:	118
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



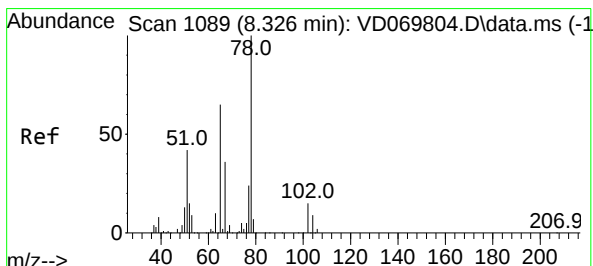
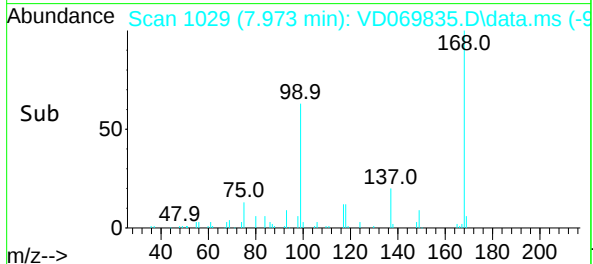
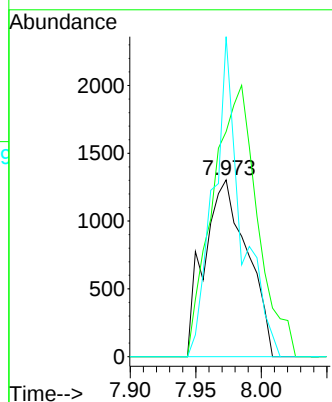


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

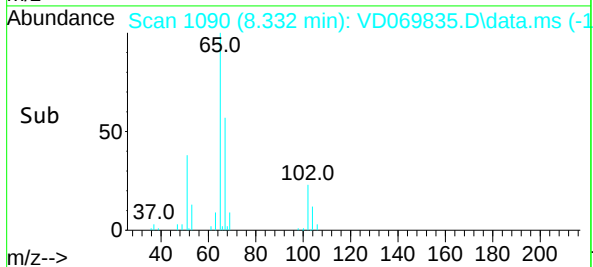
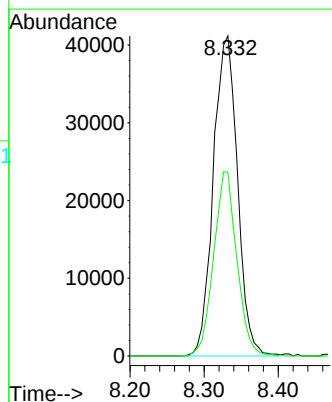
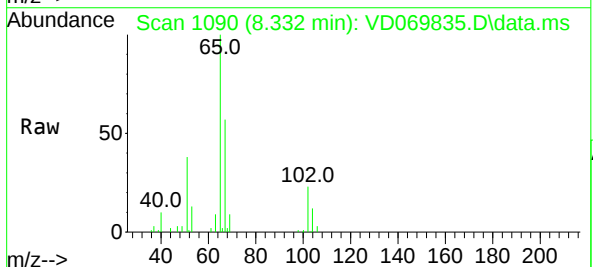


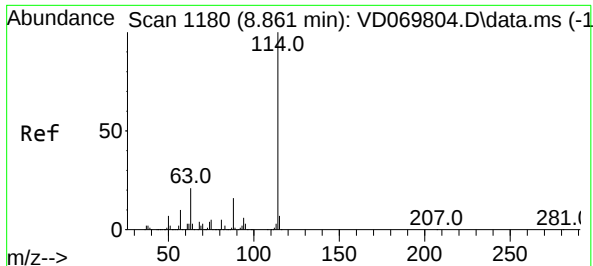
Tgt Ion: 56 Resp: 2969
Ion Ratio Lower Upper
56 100
69 127.2 27.9 41.9#
84 181.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 78.984 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Tgt Ion: 65 Resp: 93141
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.2

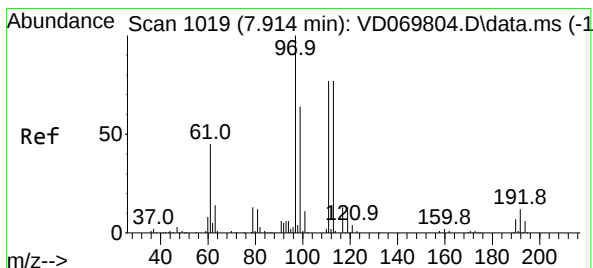
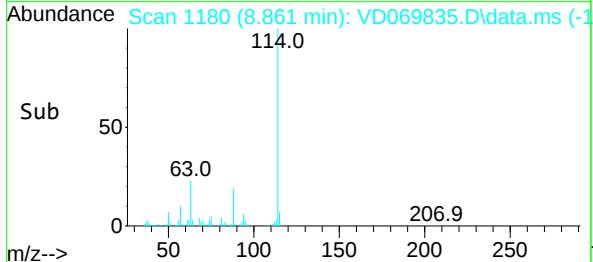
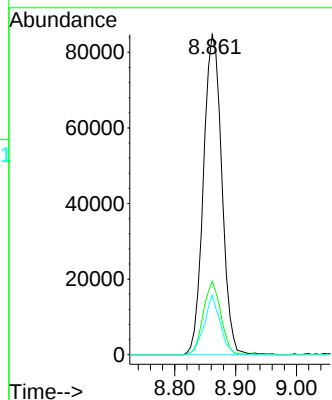
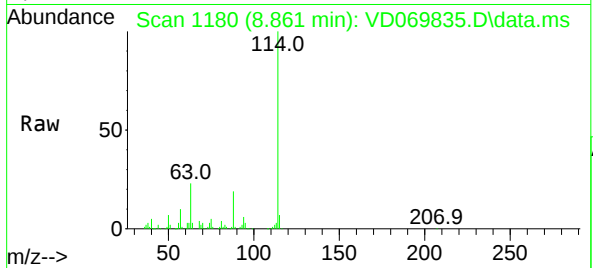




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

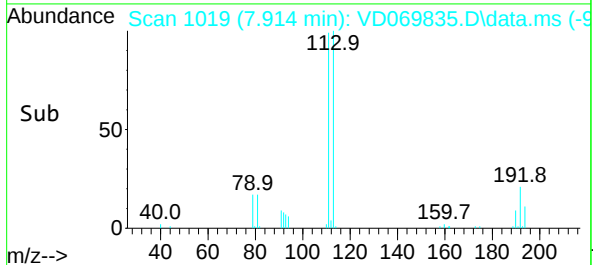
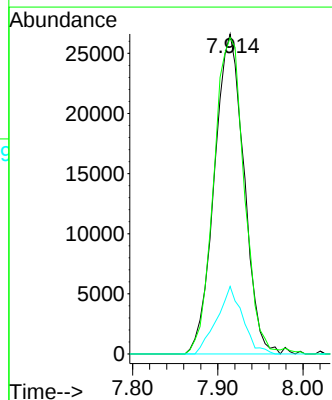
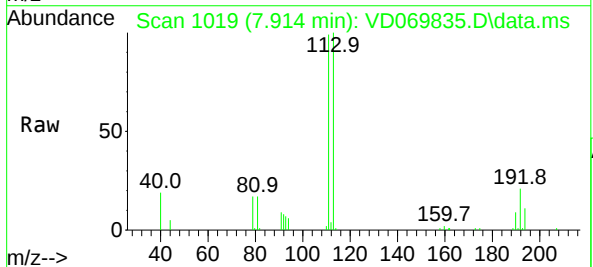
Instrument :
MSVOA_D
ClientSampleId :

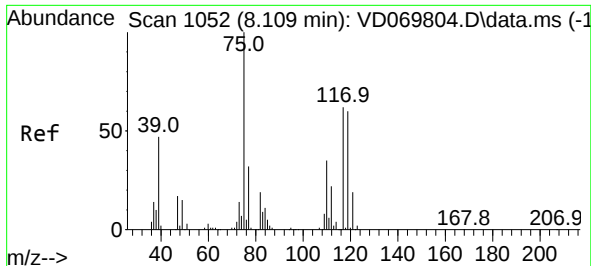
Tgt Ion:114	Resp:	177227
Ion Ratio	Lower	Upper
114	100	
63	22.9	0.0 41.6
88	18.6	0.0 31.4



#35
Dibromofluoromethane
Concen: 57.472 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

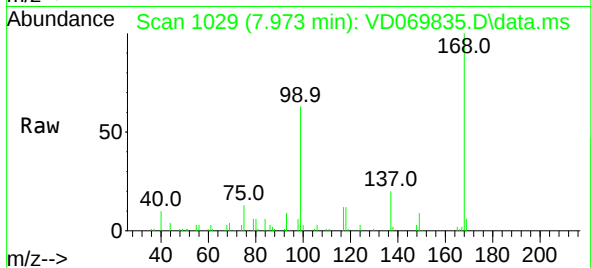
Tgt Ion:113	Resp:	64210
Ion Ratio	Lower	Upper
113	100	
111	101.8	80.5 120.7
192	18.5	12.6 19.0



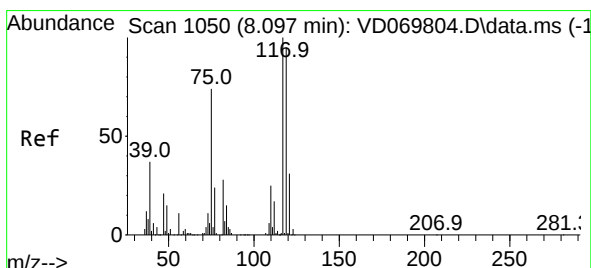
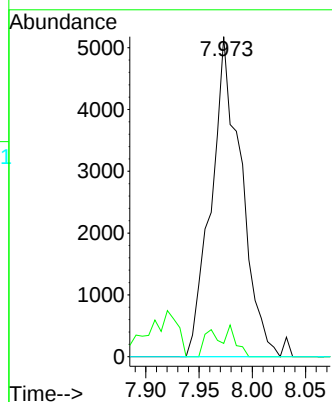
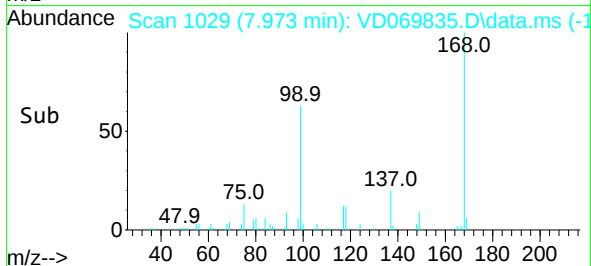


#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

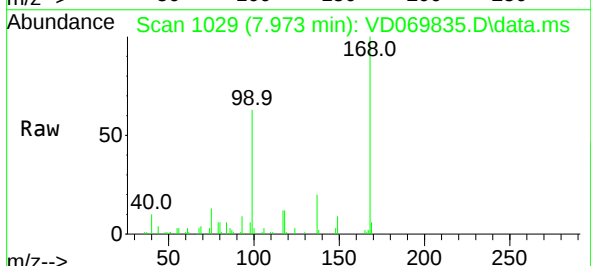
Instrument :
MSVOA_D
ClientSampleId :



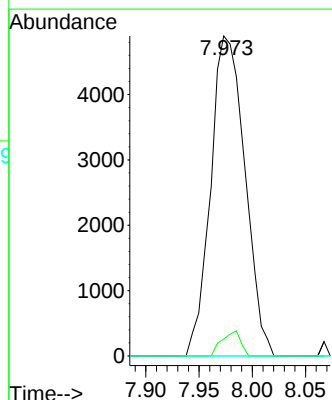
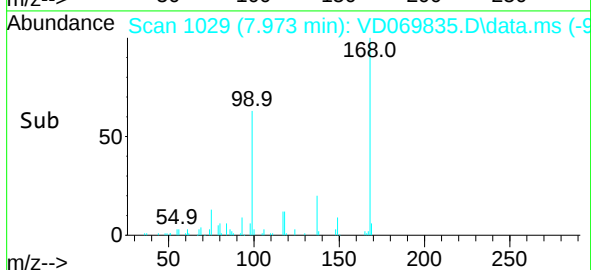
Tgt Ion: 75 Resp: 10134
Ion Ratio Lower Upper
75 100
110 4.5 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13



Tgt Ion: 117 Resp: 10952
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.825 ug/l

RT: 9.426 min Scan# 1276

Delta R.T. -0.024 min

Lab File: VD069835.D

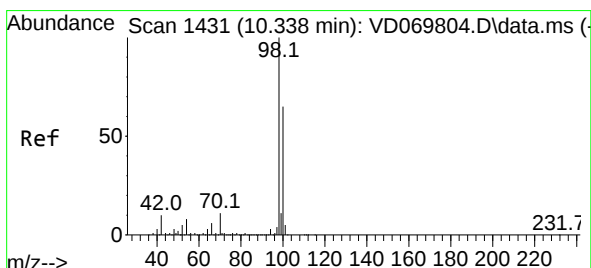
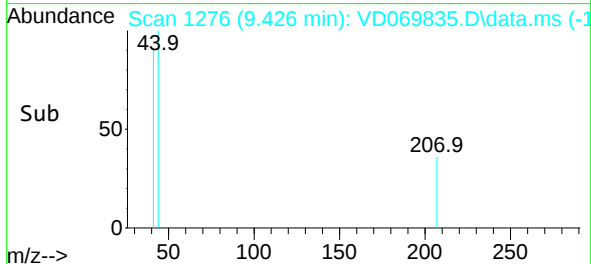
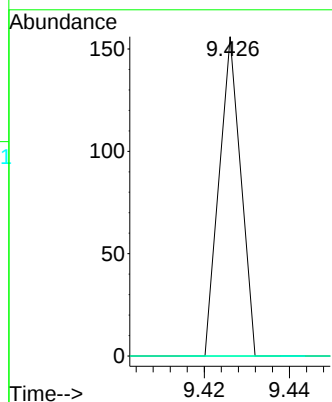
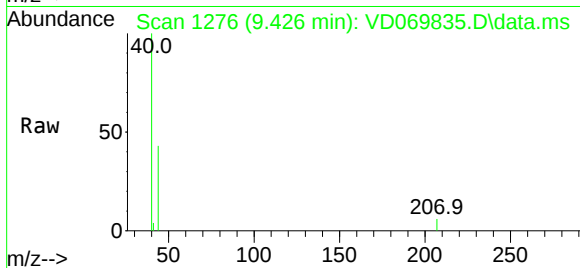
Acq: 23 Jul 2021 18:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41 100	
69 0.0	73.4 110.2#
39 0.0	36.6 55.0#



#50

Toluene-d8

Concen: 52.303 ug/l

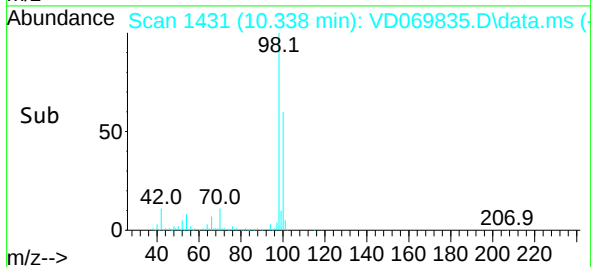
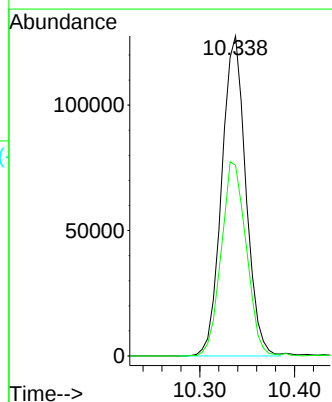
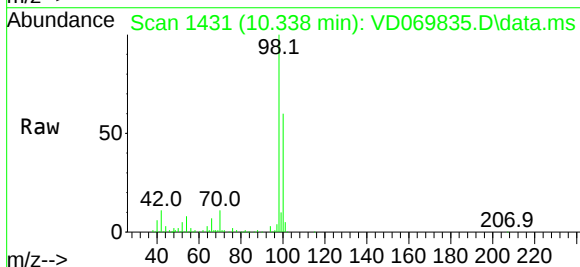
RT: 10.338 min Scan# 1431

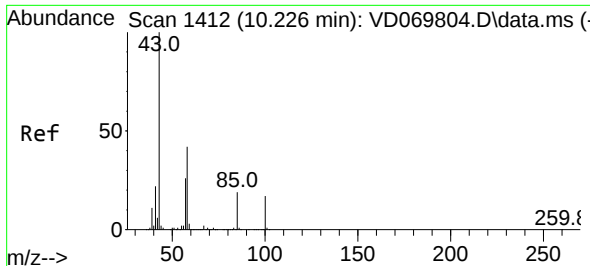
Delta R.T. -0.000 min

Lab File: VD069835.D

Acq: 23 Jul 2021 18:13

Tgt Ion: 98	Resp: 225320
Ion Ratio	Lower Upper
98 100	
100 63.2	51.9 77.9

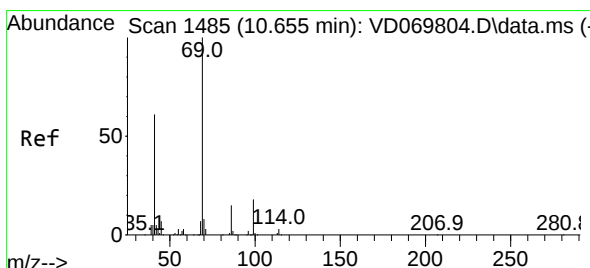
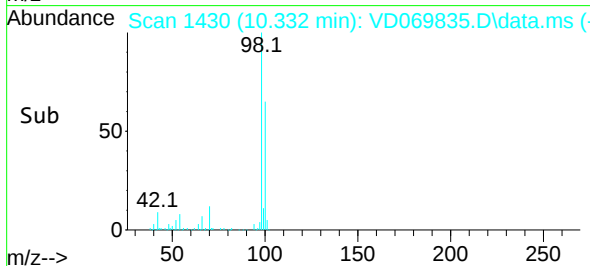
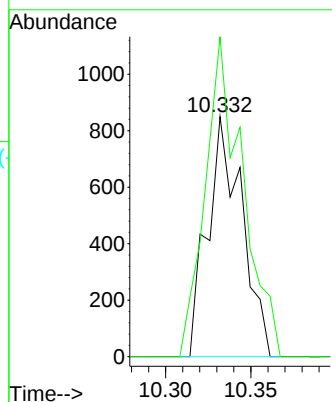
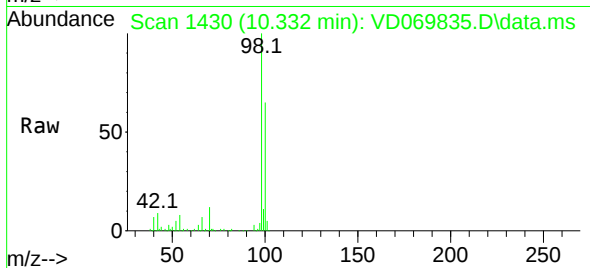




#51
4-Methyl-2-Pentanone
Concen: 1.836 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

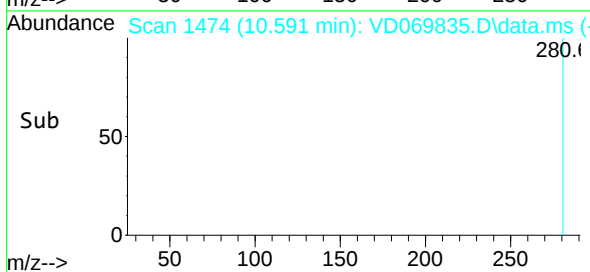
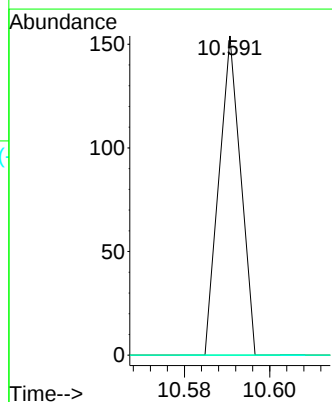
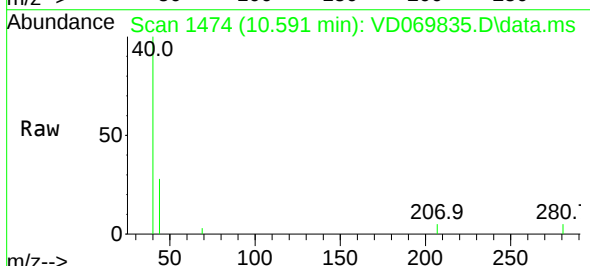
Instrument :
MSVOA_D
ClientSampleId :

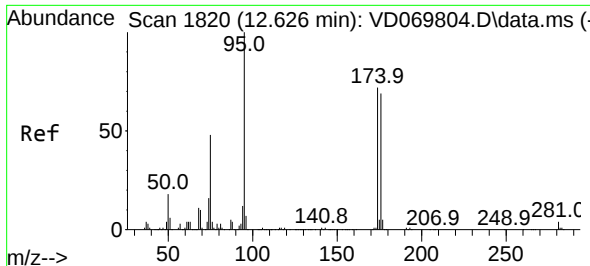
Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 144.3 33.7 50.5#



#56
Ethyl methacrylate
Concen: 3.936 ug/l
RT: 10.591 min Scan# 1474
Delta R.T. -0.064 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#

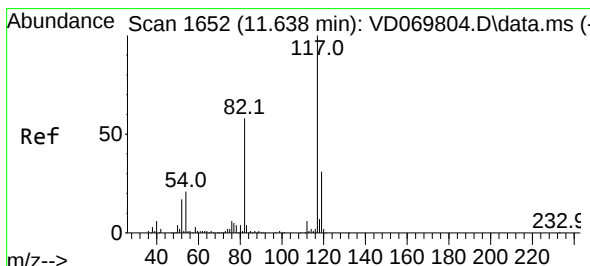
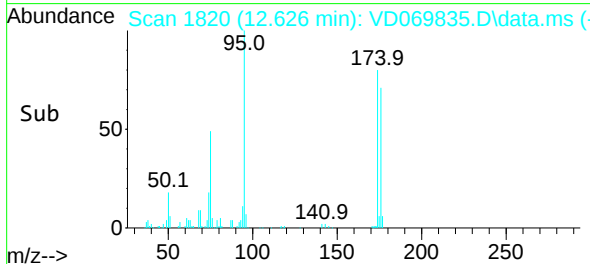
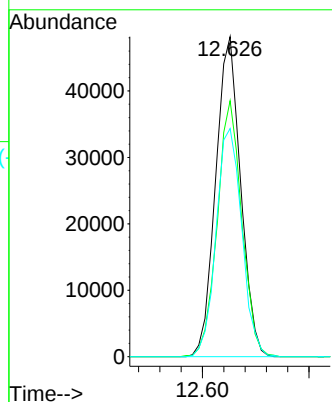
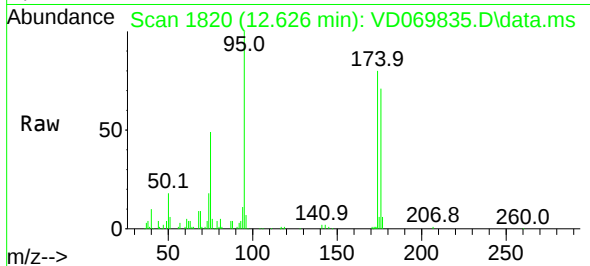




#62
4-Bromofluorobenzene
Concen: 54.271 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

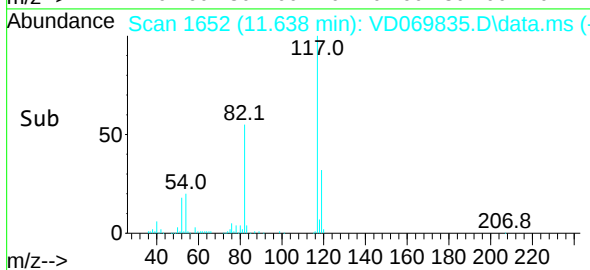
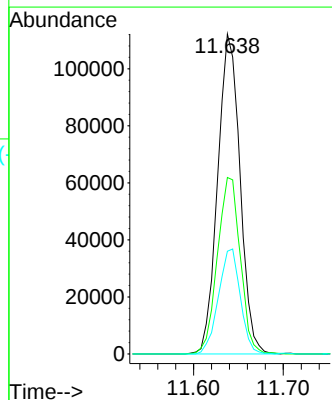
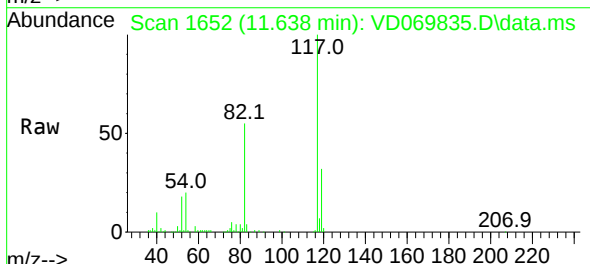
Instrument :
MSVOA_D
ClientSampleId :

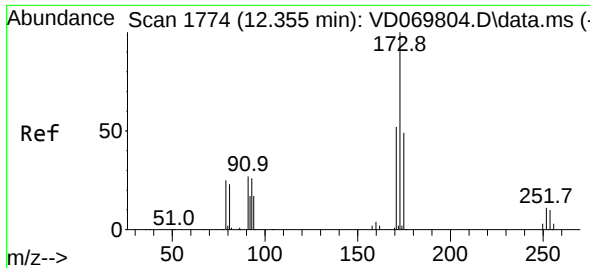
Tgt Ion: 95 Resp: 78136
Ion Ratio Lower Upper
95 100
174 78.9 0.0 142.6
176 73.6 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Tgt Ion: 117 Resp: 194071
Ion Ratio Lower Upper
117 100
82 55.2 46.3 69.5
119 32.1 24.7 37.1

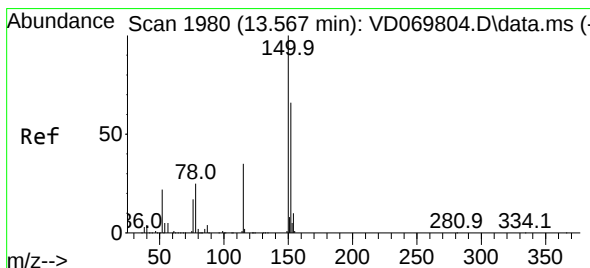
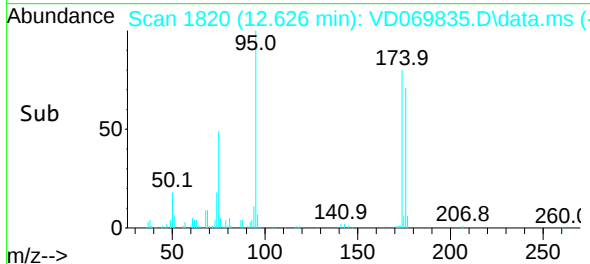
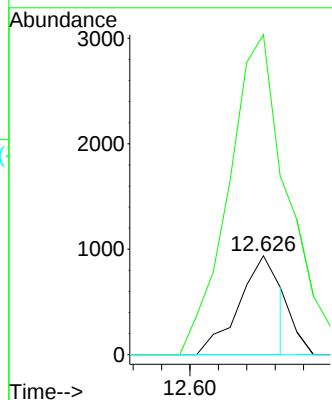
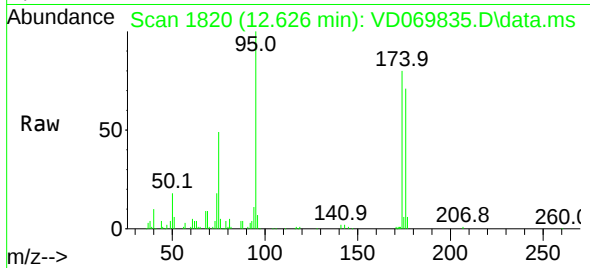




#71
Bromoform
Concen: 1.352 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

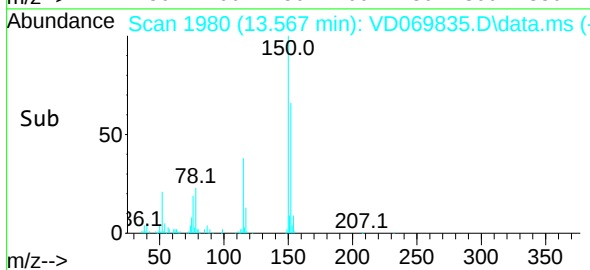
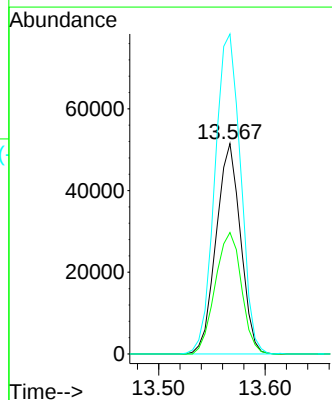
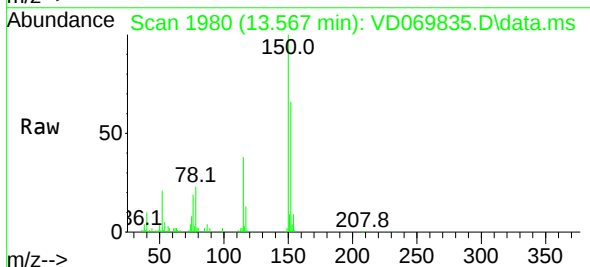
Instrument :
MSVOA_D
ClientSampleId :

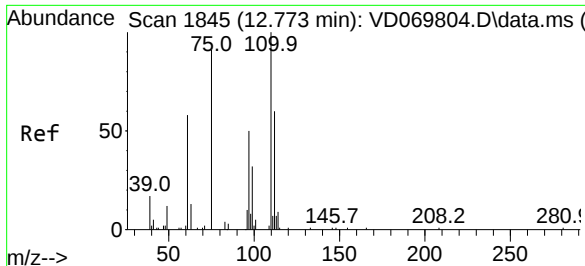
Tgt Ion:173 Resp: 950
Ion Ratio Lower Upper
173 100
175 383.2 24.1 72.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Tgt Ion:152 Resp: 81876
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.3
150 160.5 0.0 343.0

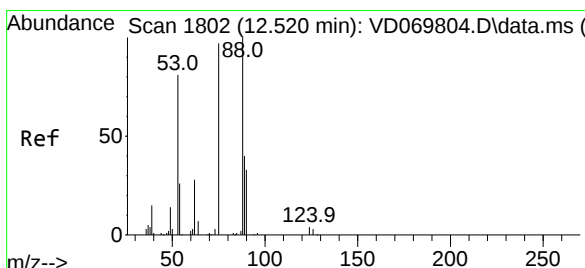
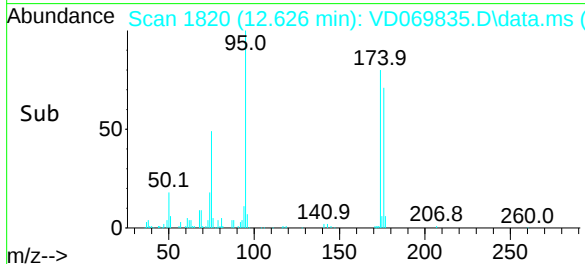
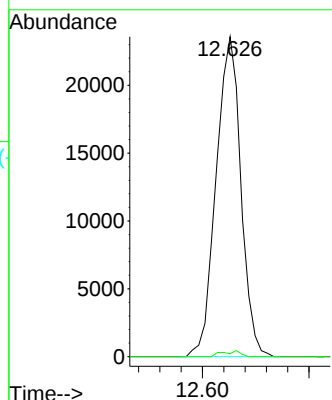
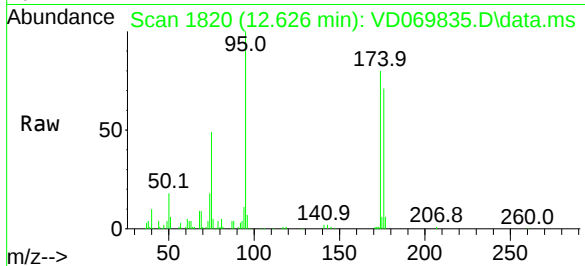




#76
1,2,3-Trichloropropane
Concen: 43.703 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

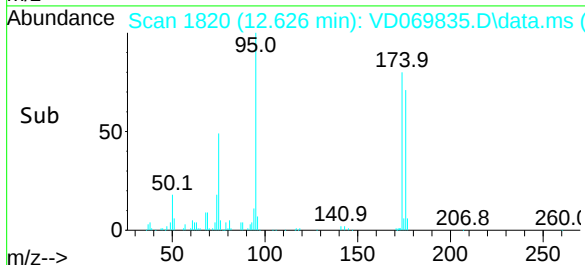
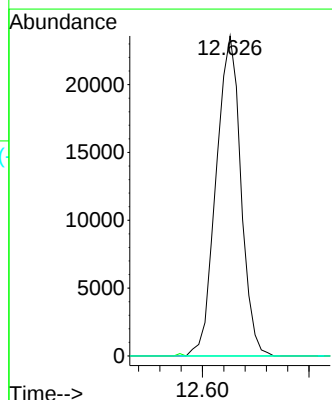
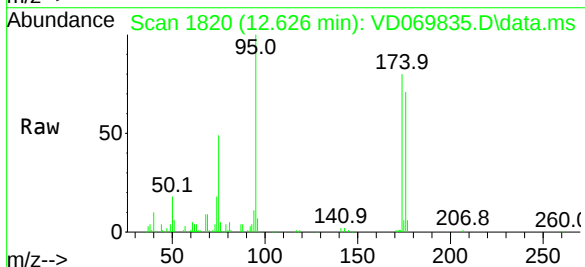
Instrument :
MSVOA_D
ClientSampleId :

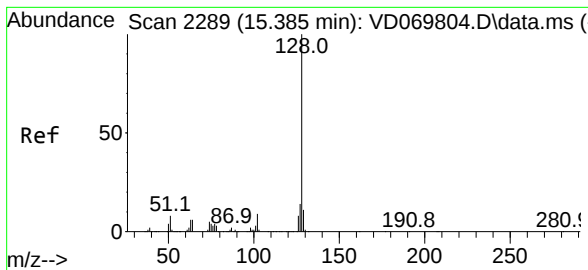
Tgt Ion: 75 Resp: 38034
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.584 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Tgt Ion: 75 Resp: 38034
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069835.D
Acq: 23 Jul 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 59
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

