

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069763.D
 Acq On : 20 Jul 2021 12:02
 Operator : VA/SY
 Sample : M3039-09
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:23:52 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)

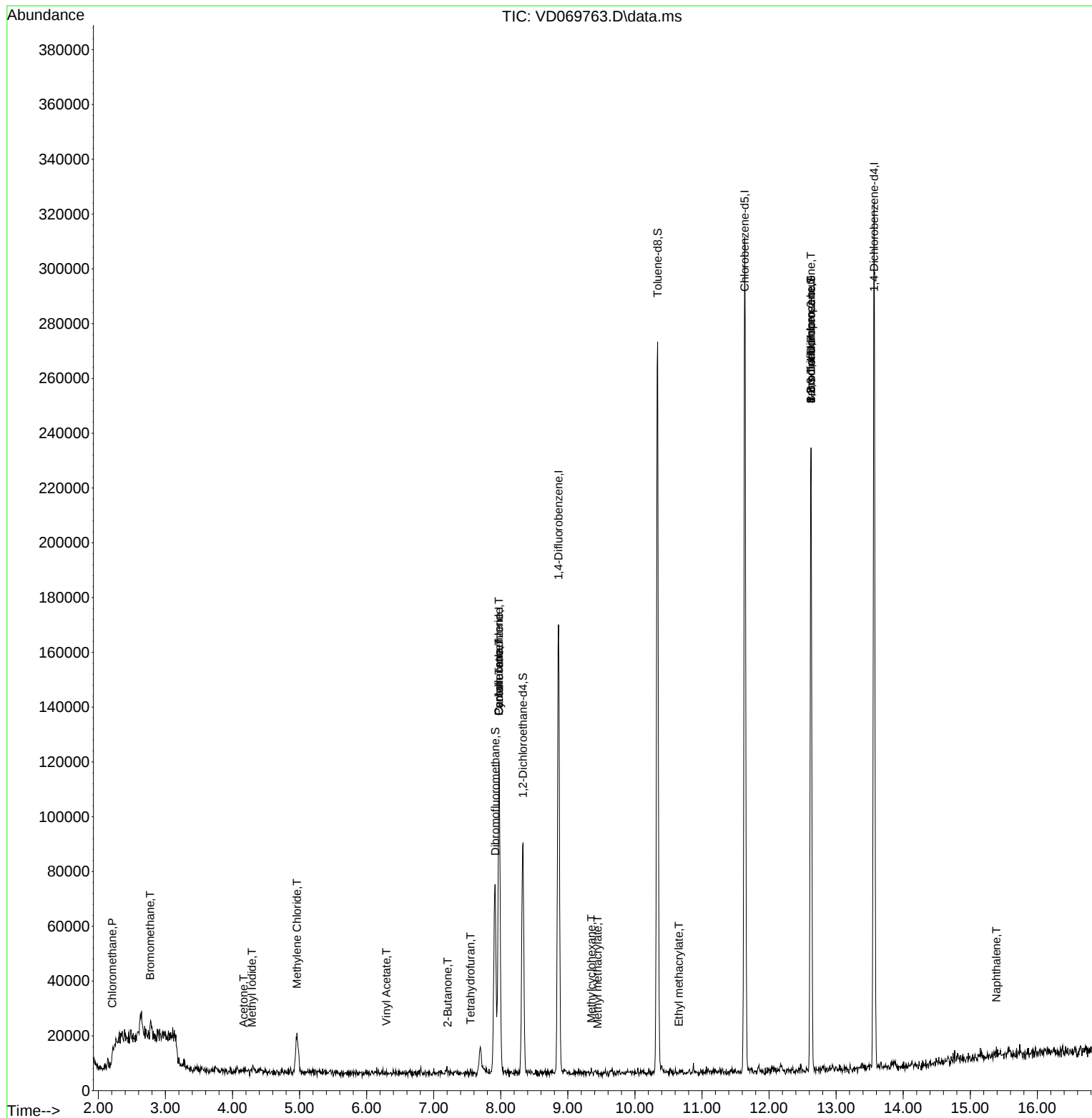
Internal Standards						
1) Pentafluorobenzene	7.973	168	76915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	138721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	178947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	83951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	68458	71.282	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.560%			
35) Dibromofluoromethane	7.920	113	50790	54.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.140%			
50) Toluene-d8	10.338	98	185080	51.190	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.626	95	78038	64.717	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.440%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	2202	1.747	ug/l	98
5) Bromomethane	2.773	94	3915	3.829	ug/l	95
10) Methyl Iodide	4.291	142	3009	5.458	ug/l #	86
16) Acetone	4.167	43	2203	22.980	ug/l #	39
18) Methyl Acetate	4.620	43	97	Below Cal	#	49
20) Methylene Chloride	4.961	84	11224	3.775	ug/l	94
23) Vinyl Acetate	6.297	43	97	15.485	ug/l #	72
25) 2-Butanone	7.208	43	256	1.128	ug/l #	47
29) Tetrahydrofuran	7.550	42	176	1.251	ug/l #	32
31) Cyclohexane	7.973	56	2085	1.670	ug/l #	41
38) Carbon Tetrachloride	7.973	117	8178	6.240	ug/l #	18
39) Methylcyclohexane	9.350	83	392	2.179	ug/l #	16
48) Methyl methacrylate	9.444	41	136	1.361	ug/l #	13
56) Ethyl methacrylate	10.655	69	87	1.754	ug/l #	28
71) Bromoform	12.626	173	672	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	39966	49.004	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	39966	131.697	ug/l #	14
95) Naphthalene	15.390	128	2075	2.952	ug/l #	87

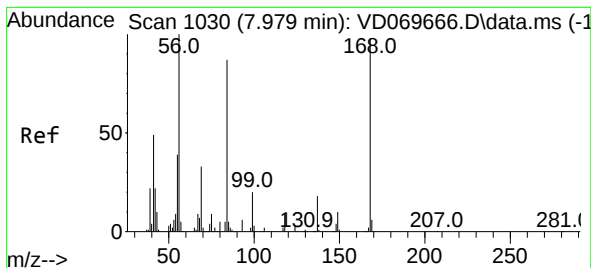
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

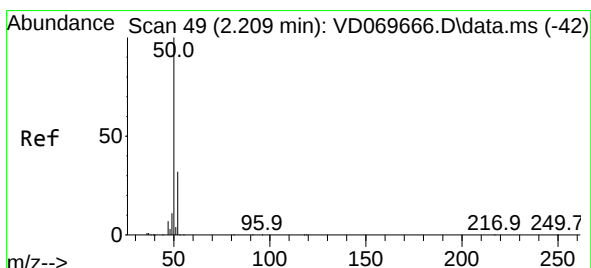
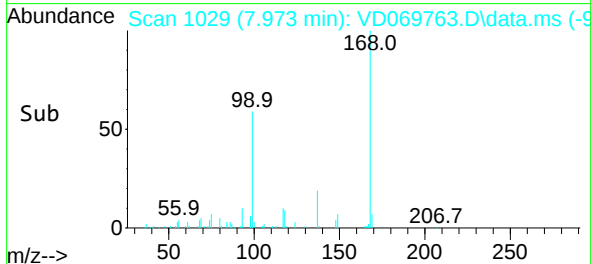
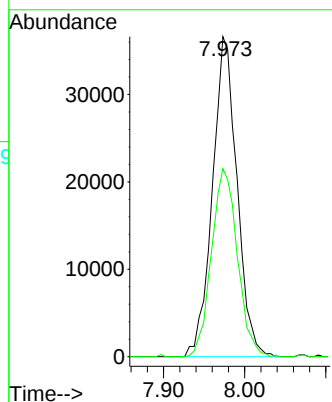
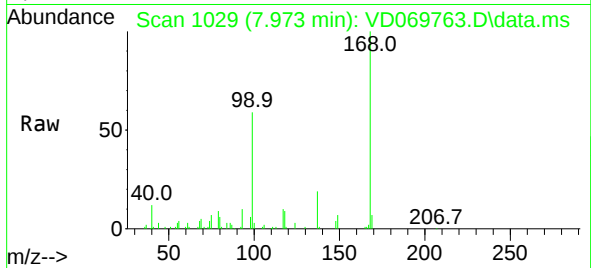




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

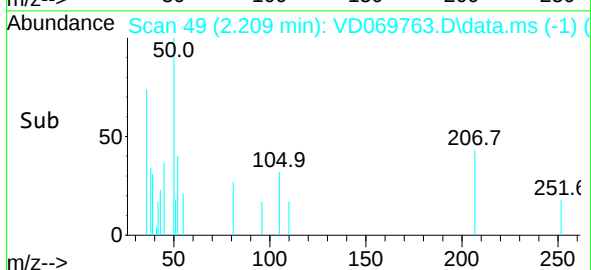
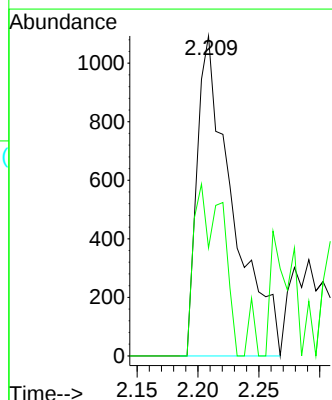
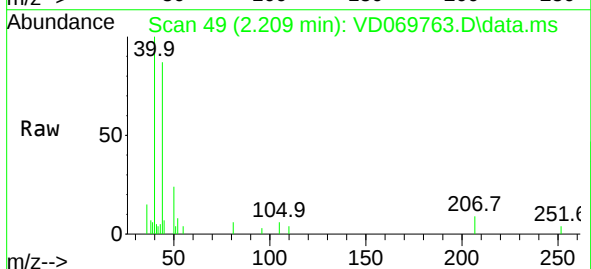
Instrument :
MSVOA_D
ClientSampled :

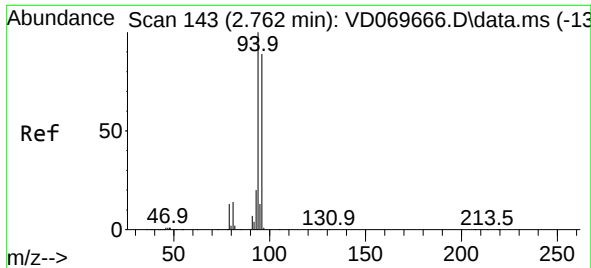
Tgt Ion:168 Resp: 76915
Ion Ratio Lower Upper
168 100
99 58.7 51.8 77.6



#3
Chloromethane
Concen: 1.747 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 50 Resp: 2202
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

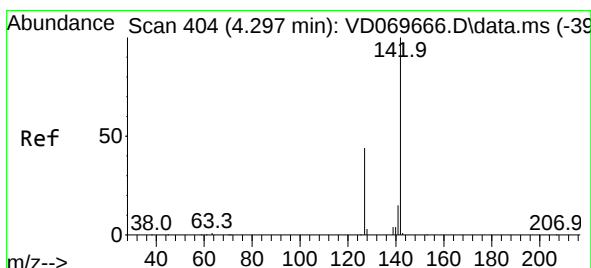
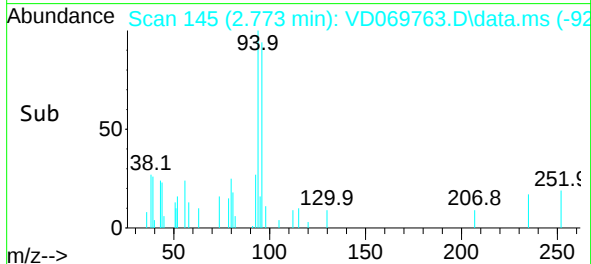
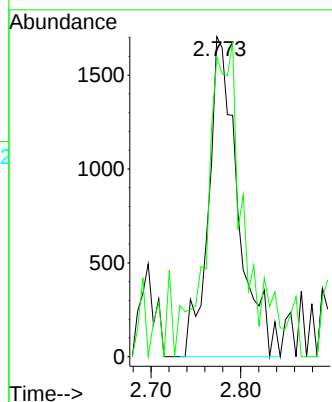
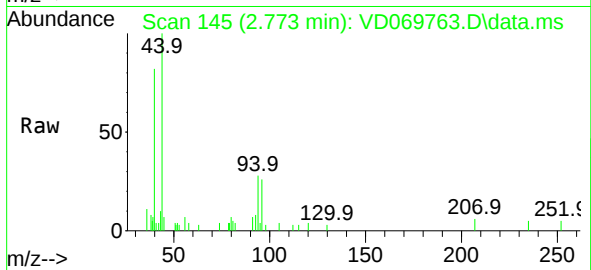




#5
Bromomethane
Concen: 3.829 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

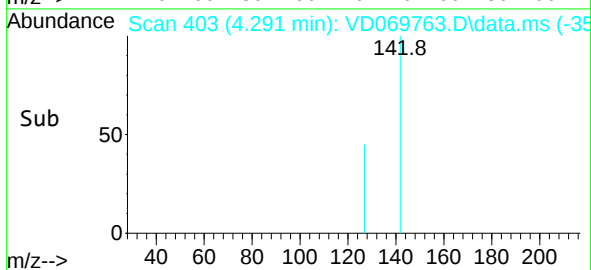
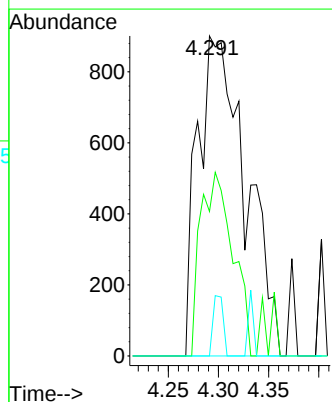
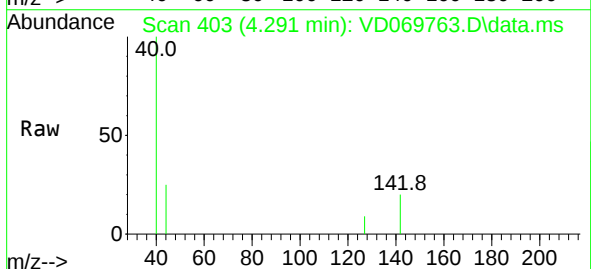
Instrument :
MSVOA_D
ClientSampleId :

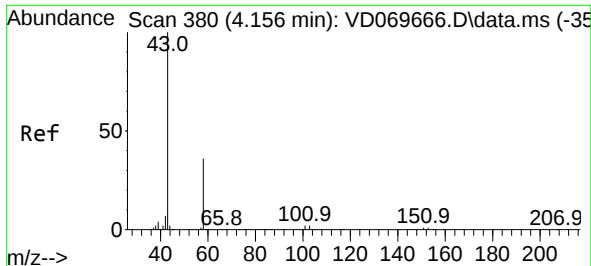
Tgt Ion: 94 Resp: 3915
Ion Ratio Lower Upper
94 100
96 84.5 71.2 106.8



#10
Methyl Iodide
Concen: 5.458 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

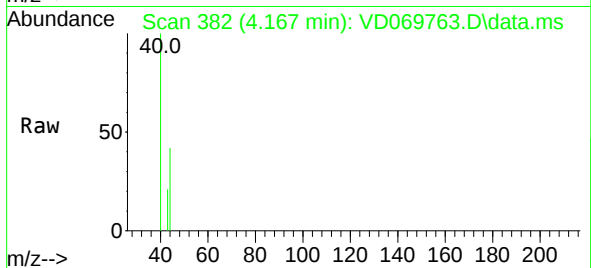
Tgt Ion: 142 Resp: 3009
Ion Ratio Lower Upper
142 100
127 38.6 36.1 54.1
141 4.0 11.6 17.4#



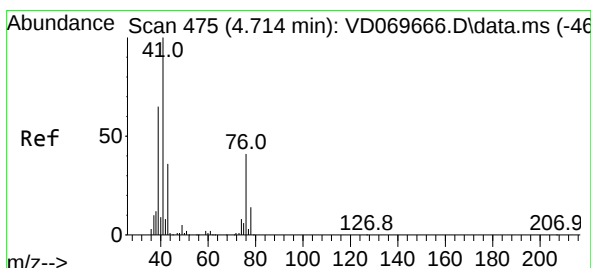
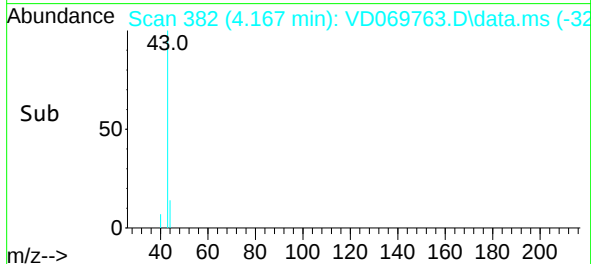
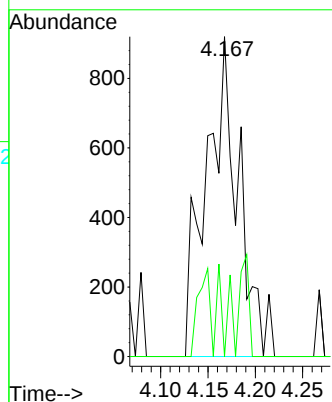


#16
Acetone
Concen: 22.980 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampleId :

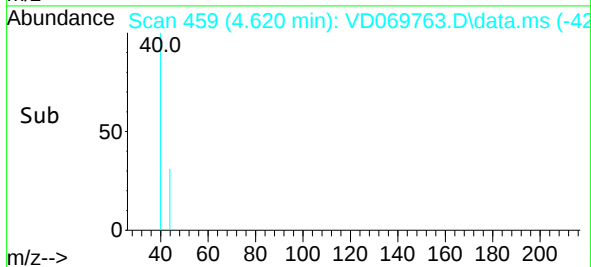
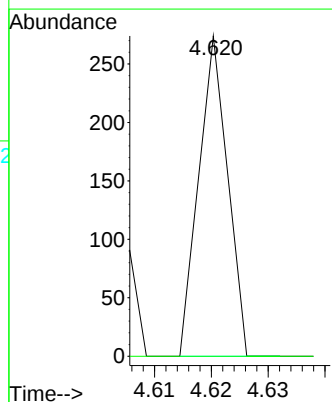
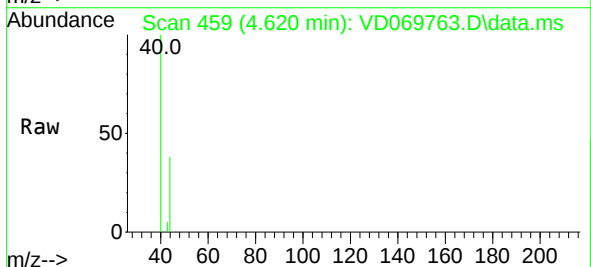


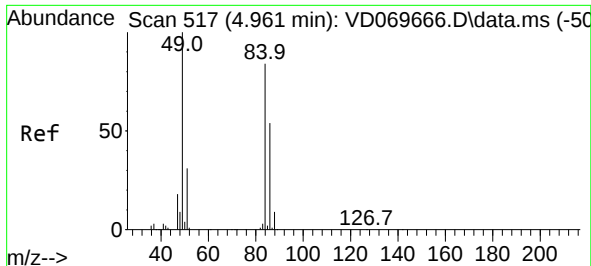
Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.620 min Scan# 459
Delta R.T. -0.094 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

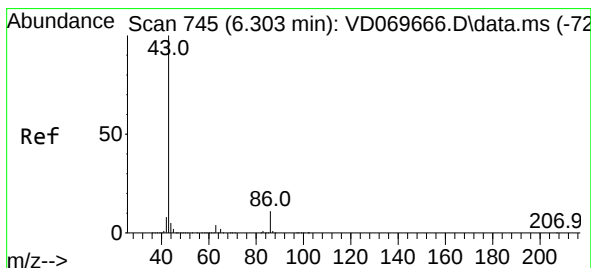
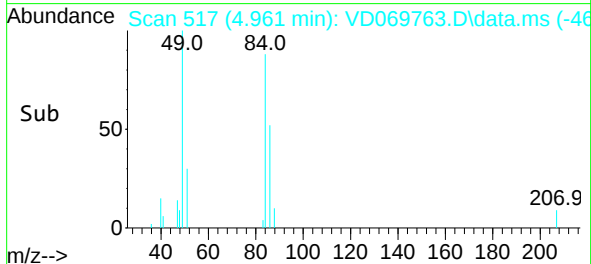
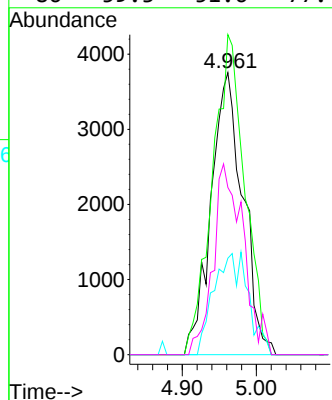
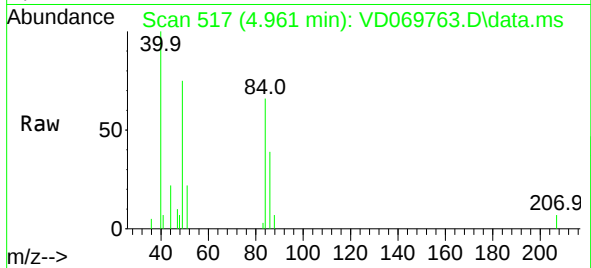




#20
Methylene Chloride
Concen: 3.775 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

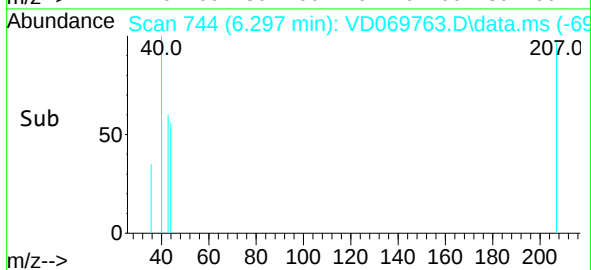
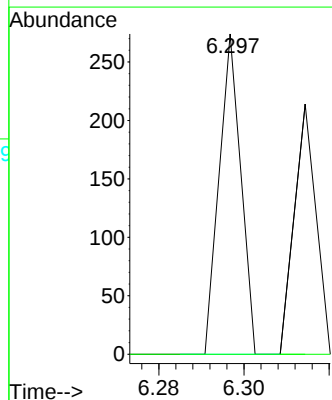
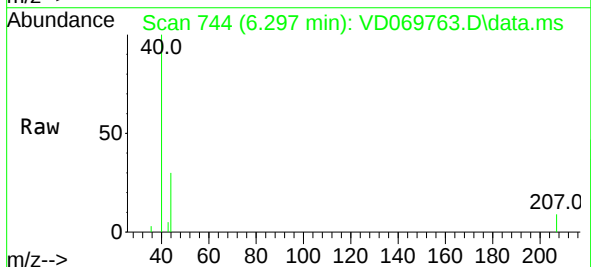
Instrument :
MSVOA_D
ClientSampleId :

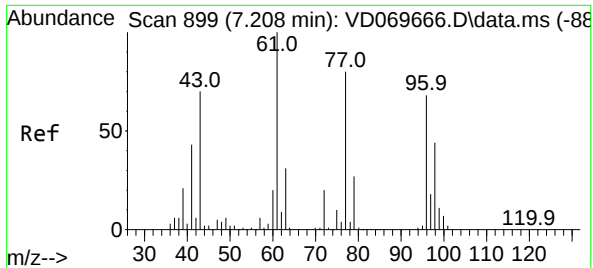
Tgt Ion:	84	Resp:	11224
Ion	Ratio	Lower	Upper
84	100		
49	113.4	95.5	143.3
51	34.2	29.7	44.5
86	59.3	51.6	77.4



#23
Vinyl Acetate
Concen: 15.485 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion:	43	Resp:	97
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

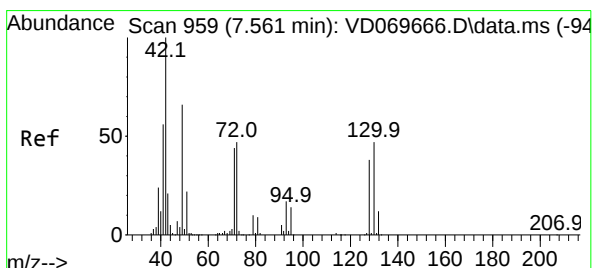
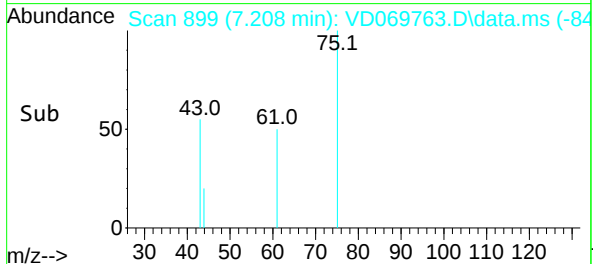
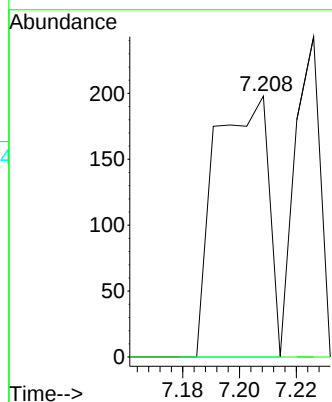
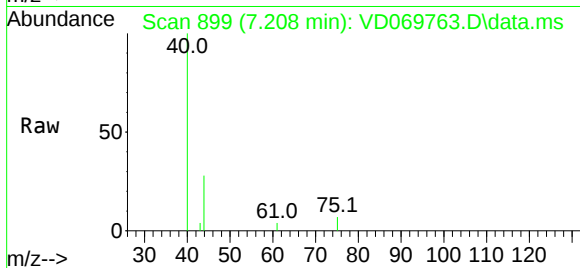




#25
2-Butanone
Concen: 1.128 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

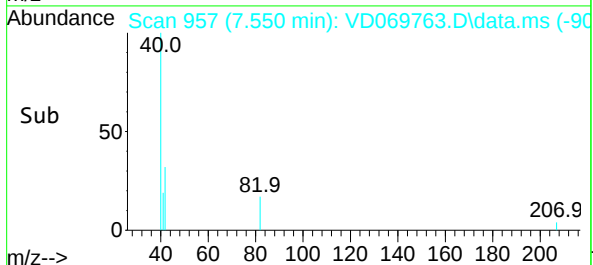
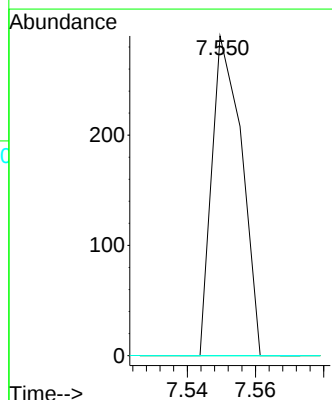
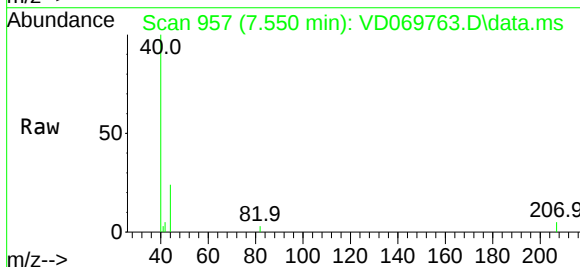
Instrument :
MSVOA_D
ClientSampled :

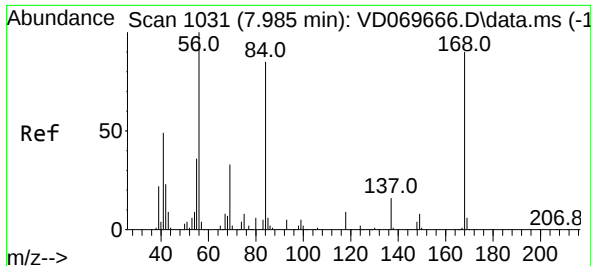
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#29
Tetrahydrofuran
Concen: 1.251 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.011 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

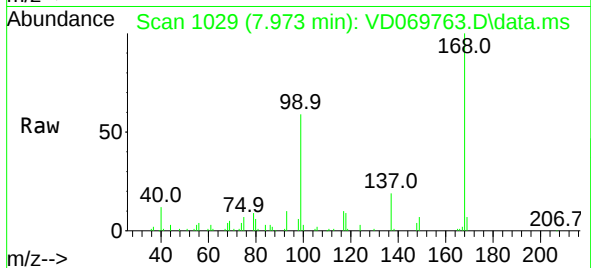
Tgt Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.4 50.0#



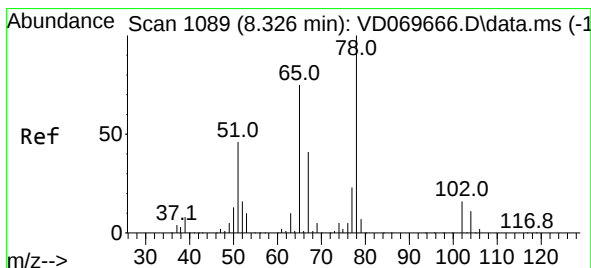
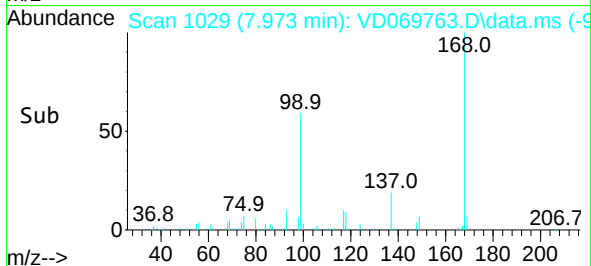
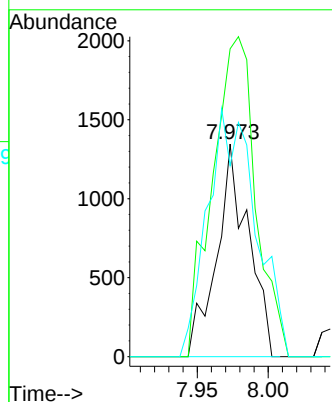


#31
Cyclohexane
Concen: 1.670 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampleId :

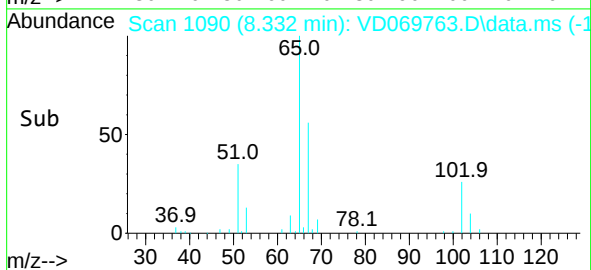
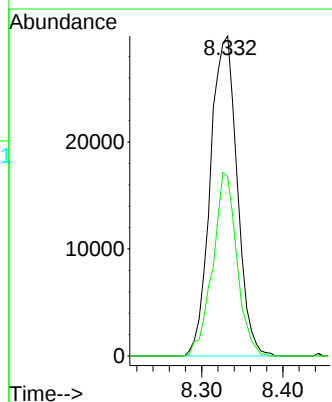
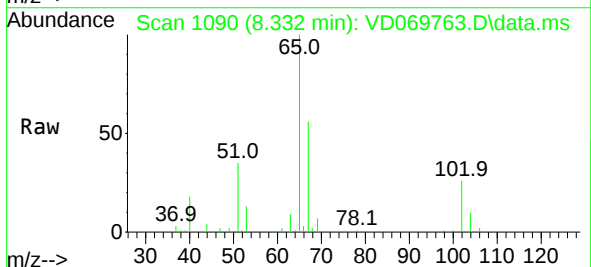


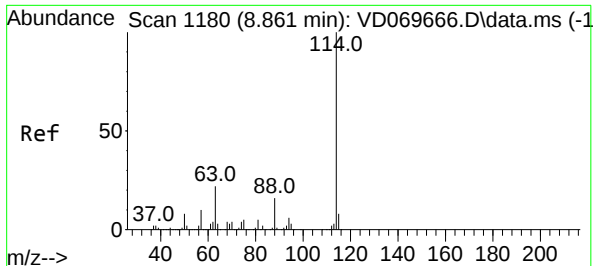
Tgt Ion: 56 Resp: 2085
Ion Ratio Lower Upper
56 100
69 144.8 26.6 39.8#
84 89.8 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 71.282 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 65 Resp: 68458
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.2



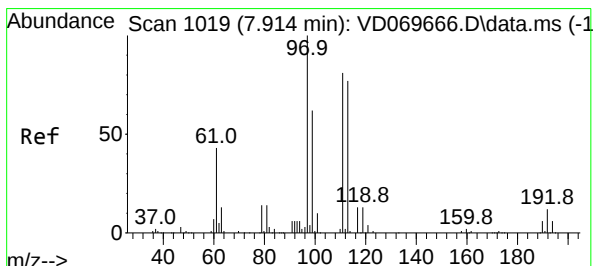
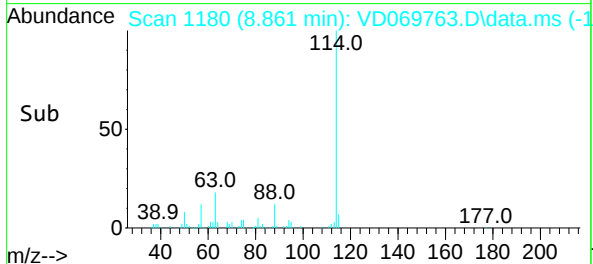
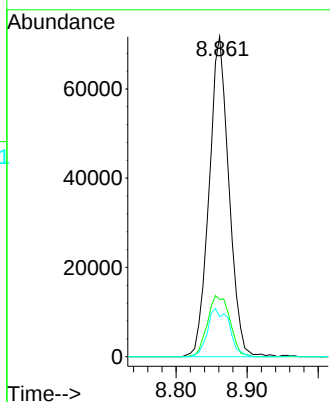
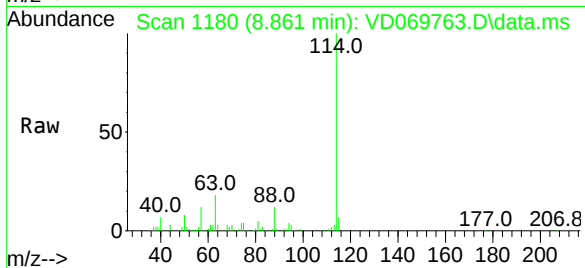


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampleId :

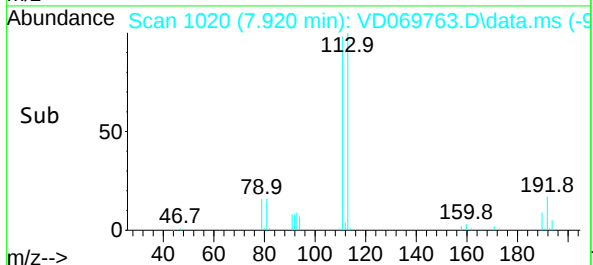
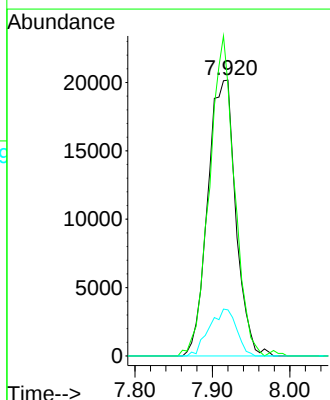
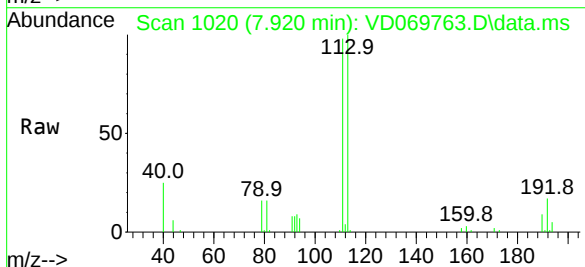
Tgt Ion:	114	Resp:	138721
Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	43.4
88	12.5	0.0	32.0

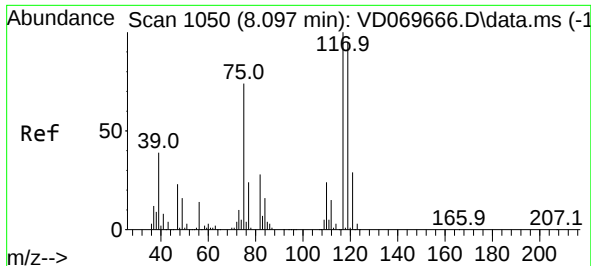


#35

Dibromofluoromethane
Concen: 54.575 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

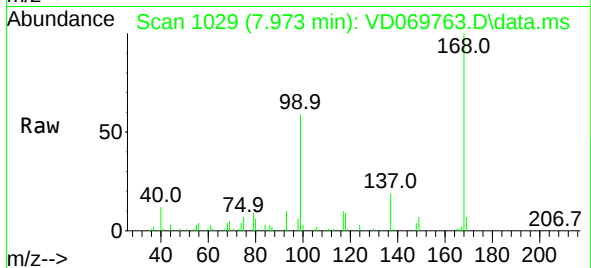
Tgt Ion:	113	Resp:	50790
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	16.6	12.7	19.1



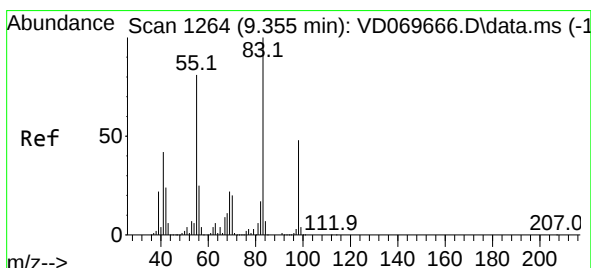
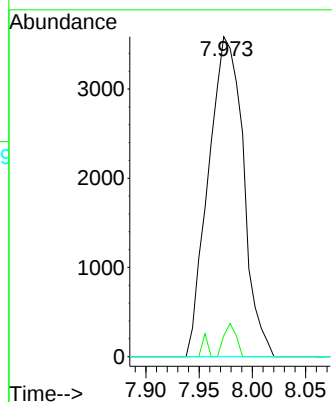
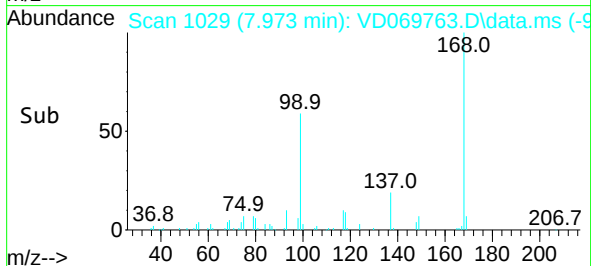


#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

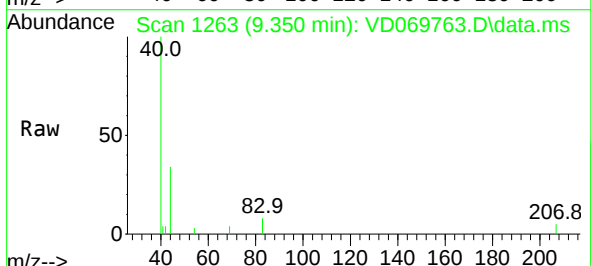
Instrument :
MSVOA_D
ClientSampleId :



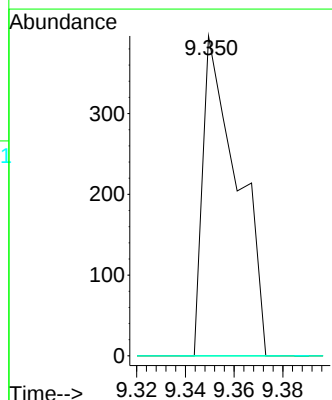
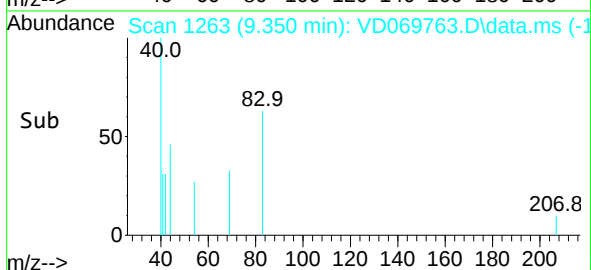
Tgt Ion:117 Resp: 8178
Ion Ratio Lower Upper
117 100
119 6.6 75.7 113.5#
121 0.0 23.0 34.6#

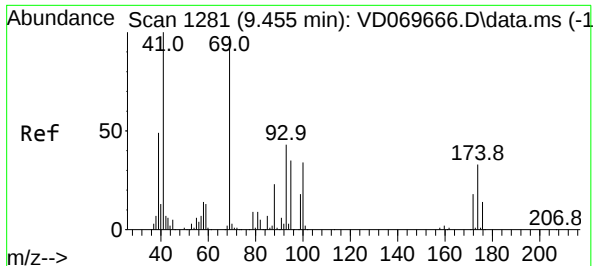


#39
Methylcyclohexane
Concen: 2.179 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02



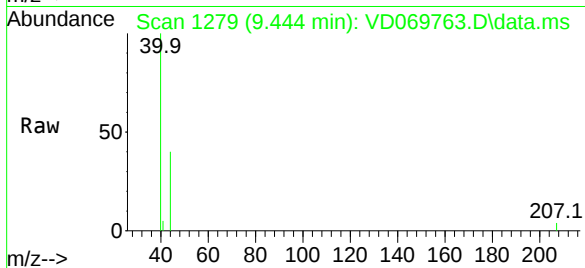
Tgt Ion: 83 Resp: 392
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 0.0 38.4 57.6#



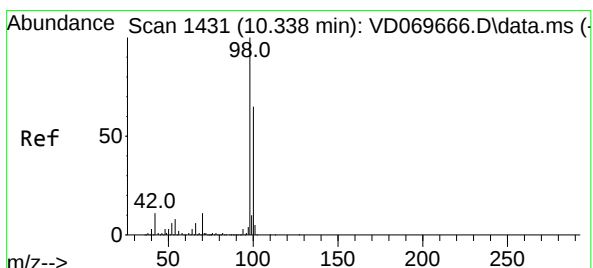
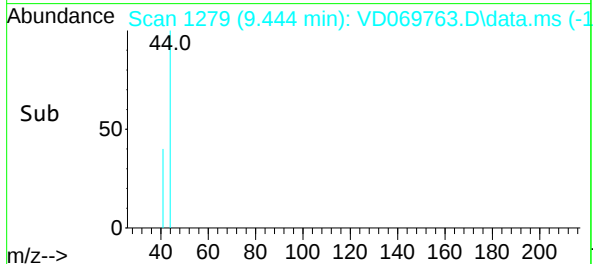
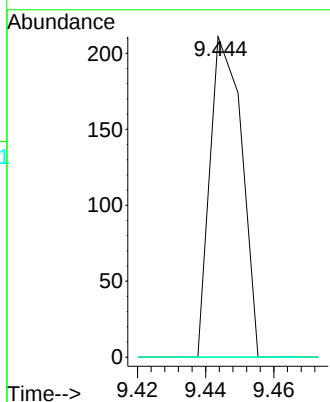


#48
Methyl methacrylate
Concen: 1.361 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.011 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampled :

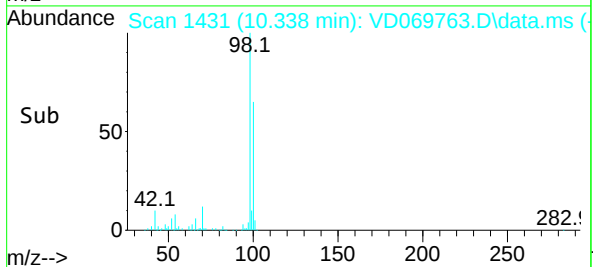
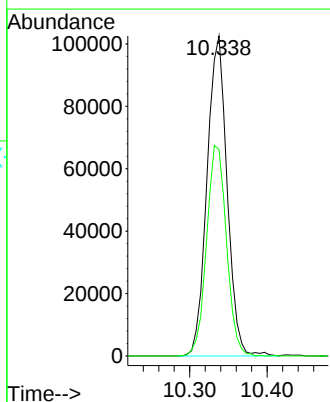
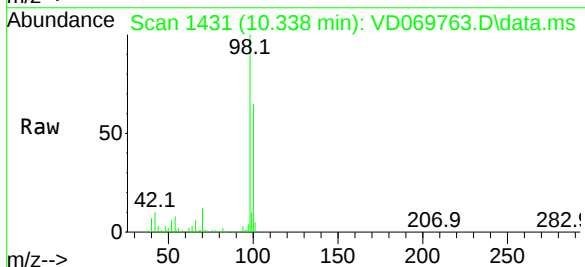


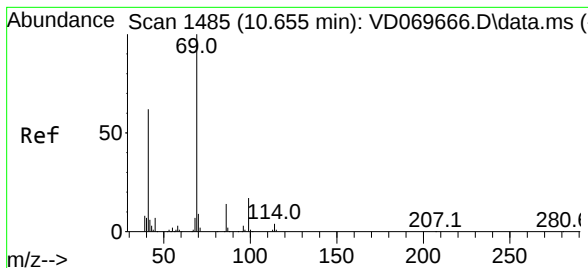
Tgt Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 51.190 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 98 Resp: 185080
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

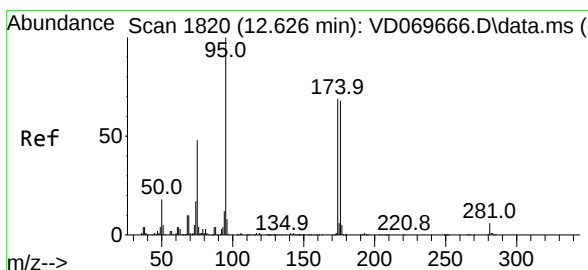
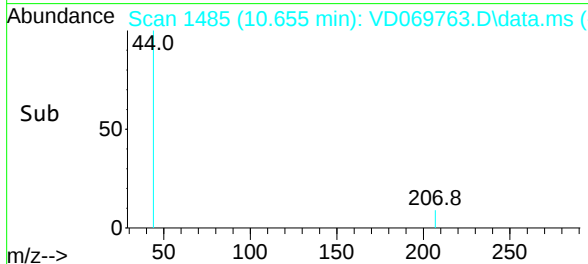
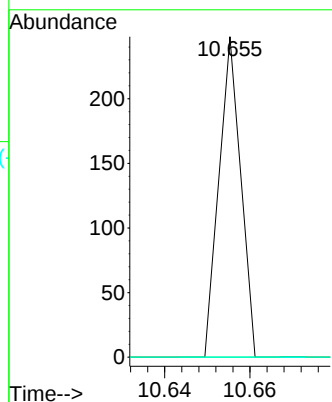
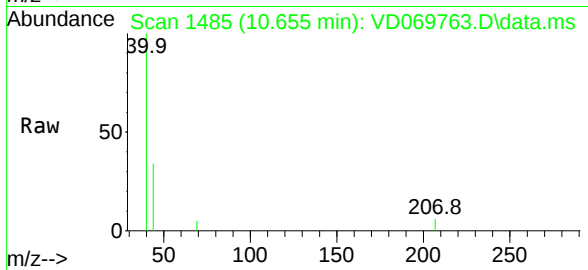




#56
Ethyl methacrylate
Concen: 1.754 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

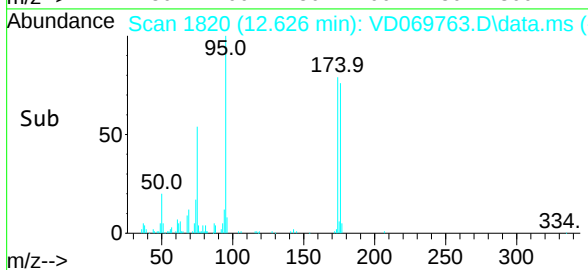
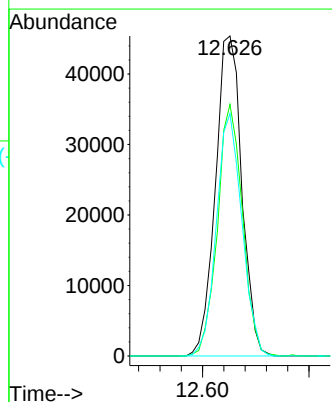
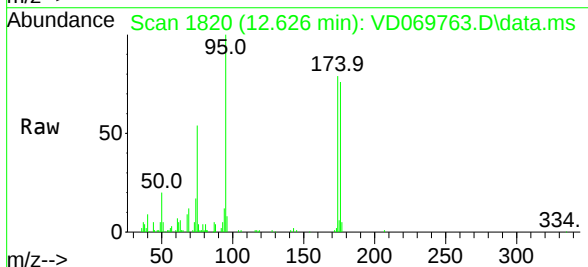
Instrument :
MSVOA_D
ClientSampled :

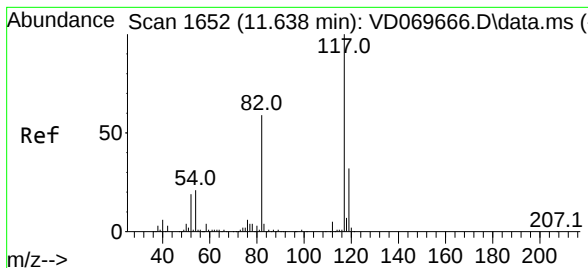
Tgt Ion: 69 Resp: 87
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 64.717 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 95 Resp: 78038
Ion Ratio Lower Upper
95 100
174 74.4 0.0 140.0
176 73.1 0.0 136.2

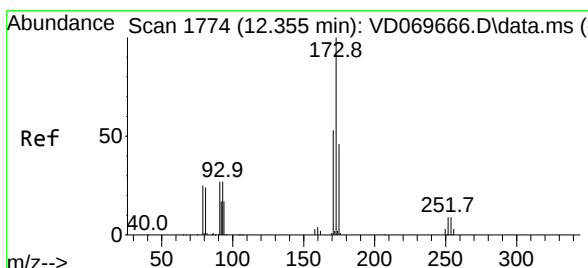
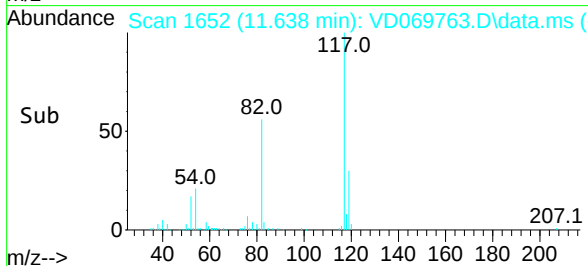
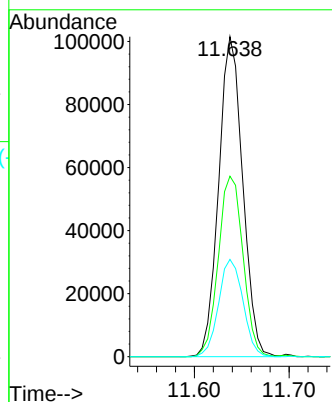
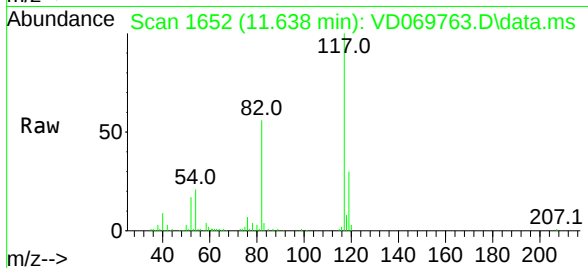




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

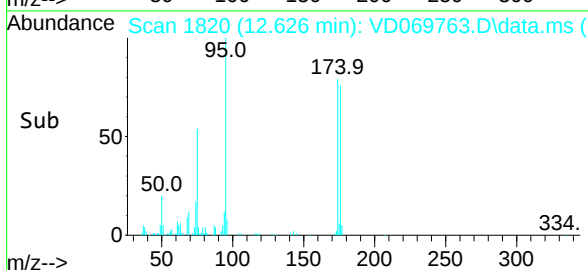
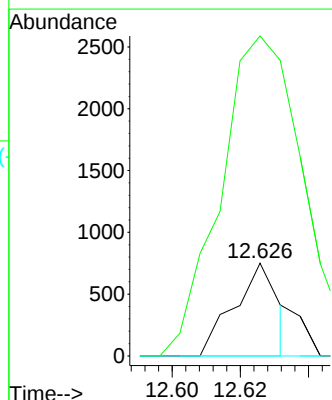
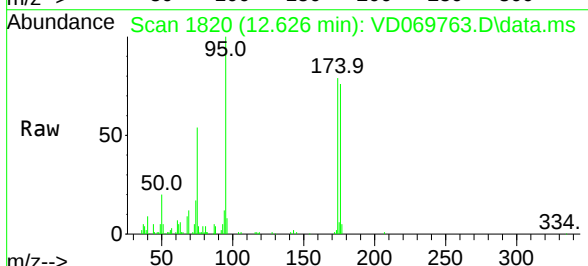
Instrument :
MSVOA_D
ClientSampleId :

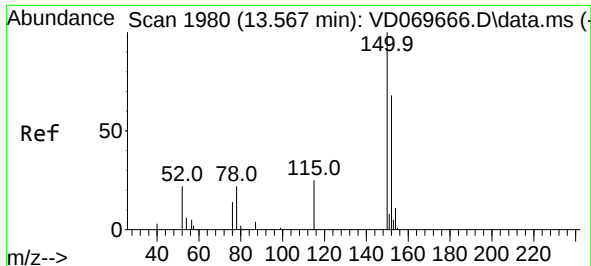
Tgt Ion:	117	Resp:	178947
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.4	71.2
119	30.4	25.5	38.3



#71
Bromoform
Concen: 1.085 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion:	173	Resp:	672
Ion	Ratio	Lower	Upper
173	100		
175	501.5	24.2	72.6#
254	0.0	0.1	0.1#

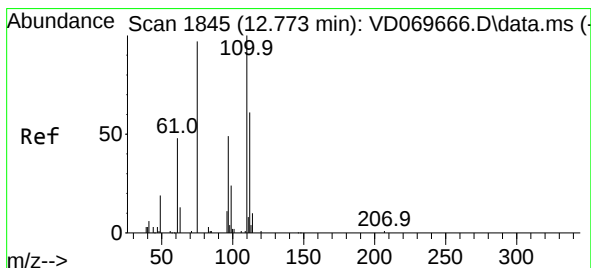
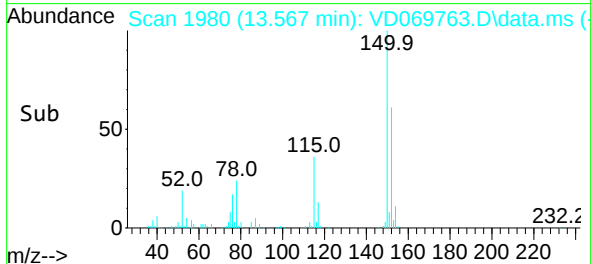
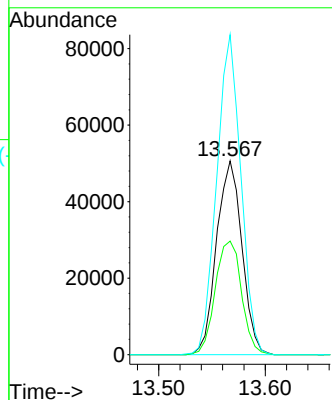
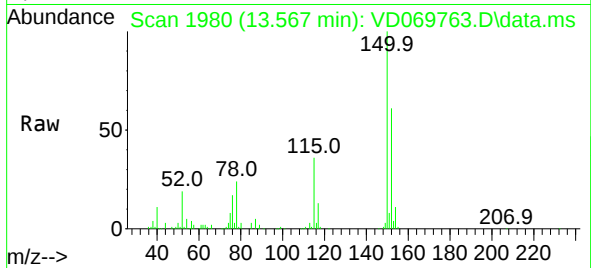




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

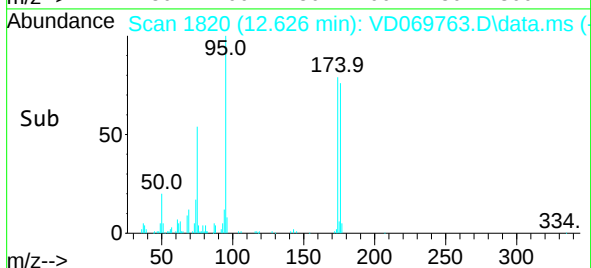
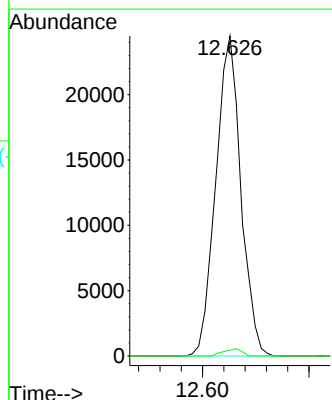
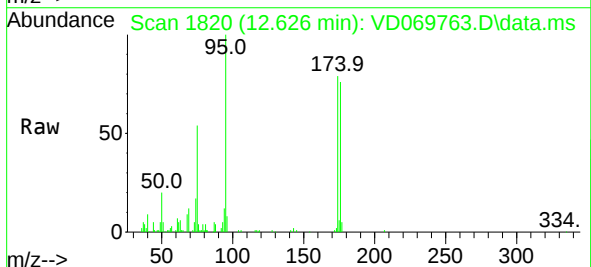
Instrument :
MSVOA_D
ClientSampled :

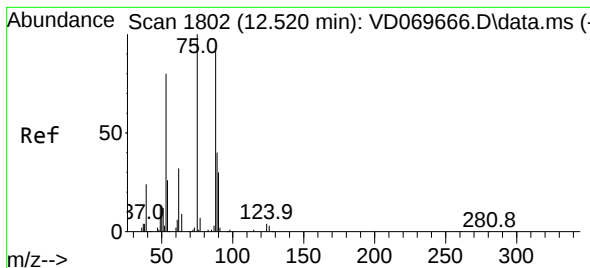
Tgt Ion:152 Resp: 83951
Ion Ratio Lower Upper
152 100
115 60.6 31.7 95.1
150 157.2 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 49.004 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 75 Resp: 39966
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

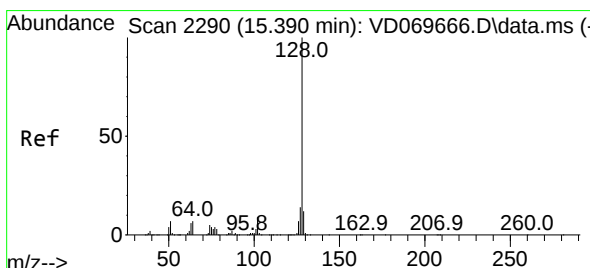
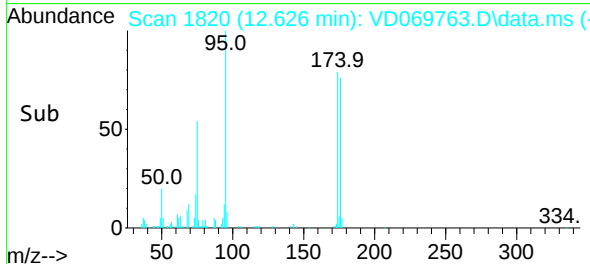
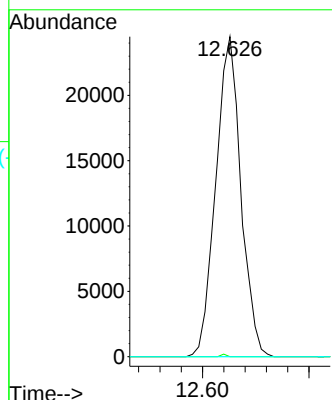
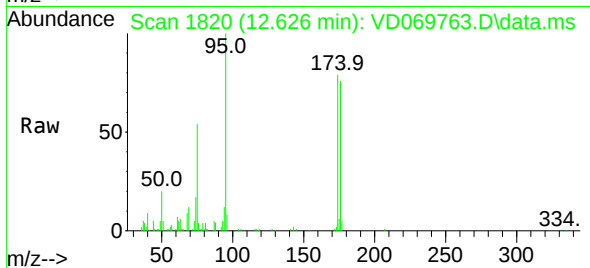




#81
trans-1,4-Dichloro-2-butene
Concen: 131.697 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 39966
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.952 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069763.D
Acq: 20 Jul 2021 12:02

Tgt Ion: 128 Resp: 2075
Ion Ratio Lower Upper
128 100
127 16.9 10.6 16.0#
129 3.8 8.8 13.2#

