

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069486.D
 Acq On : 17 Jun 2021 18:13
 Operator : VA/SY
 Sample : M2738-01
 Misc : 2.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:28:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

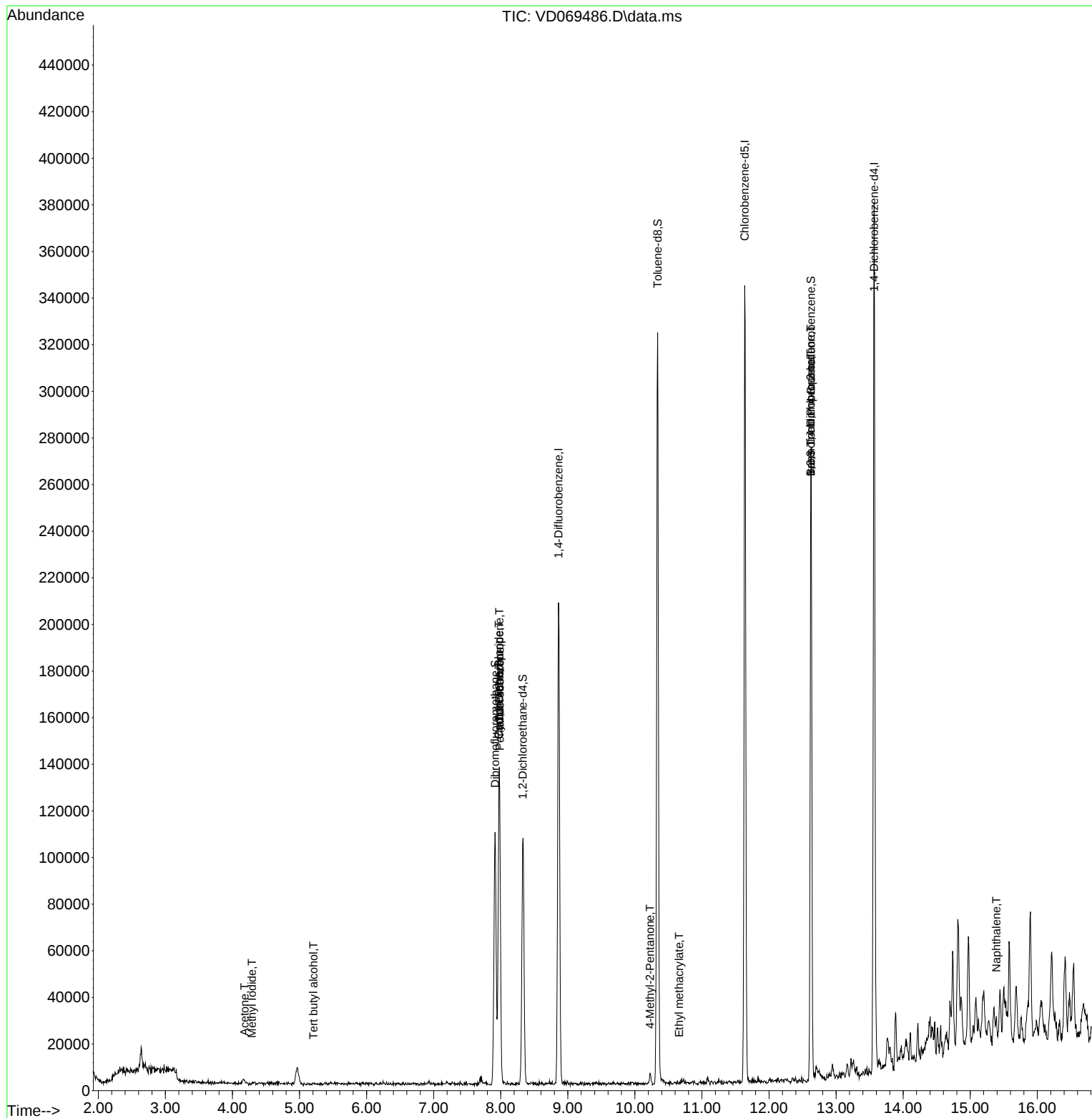
Internal Standards						
1) Pentafluorobenzene	7.985	168	101443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	181048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	204587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	101391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	86364	75.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.920%			
35) Dibromofluoromethane	7.914	113	77494	57.147	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.300%			
50) Toluene-d8	10.338	98	233047	46.988	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.980%			
62) 4-Bromofluorobenzene	12.626	95	86252	54.199	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.400%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	230	Below Cal	#	5
10) Methyl Iodide	4.291	142	126	3.431	ug/l #	39
11) Tert butyl alcohol	5.209	59	65	1.092	ug/l #	73
16) Acetone	4.179	43	2464	13.007	ug/l	96
18) Methyl Acetate	4.579	43	59	Below Cal	#	46
20) Methylene Chloride	4.968	84	5905	Below Cal		94
31) Cyclohexane	7.973	56	2166	1.393	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	8346	4.427	ug/l #	47
38) Carbon Tetrachloride	7.973	117	9760	4.779	ug/l #	21
51) 4-Methyl-2-Pentanone	10.226	43	3050	5.013	ug/l #	71
56) Ethyl methacrylate	10.661	69	65	2.874	ug/l #	31
71) Bromoform	12.620	173	1039	1.162	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	41493	40.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	41493	107.684	ug/l #	18
95) Naphthalene	15.391	128	5474	5.018	ug/l #	90

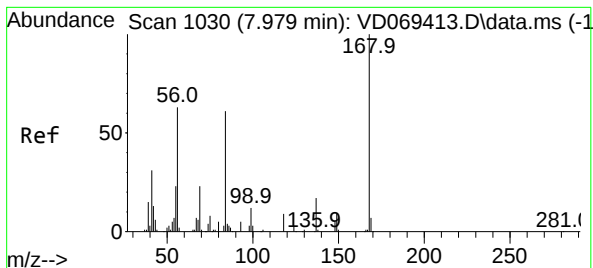
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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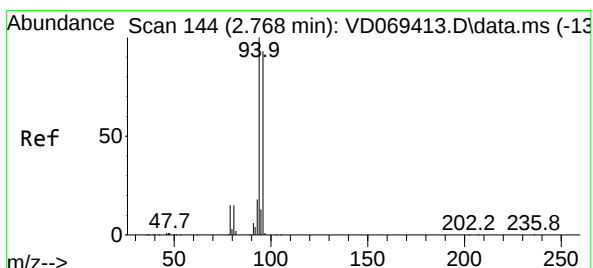
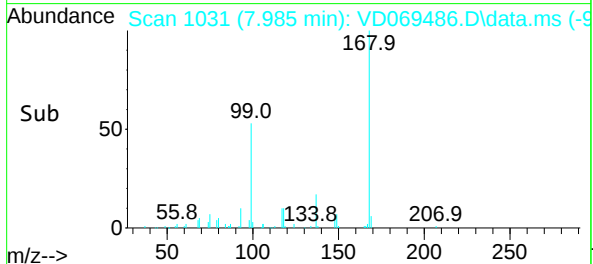
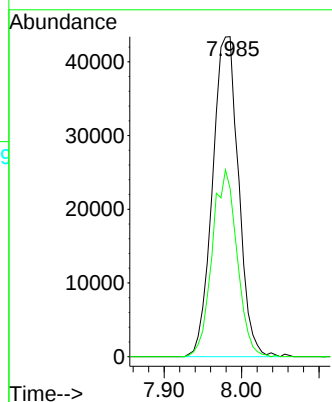
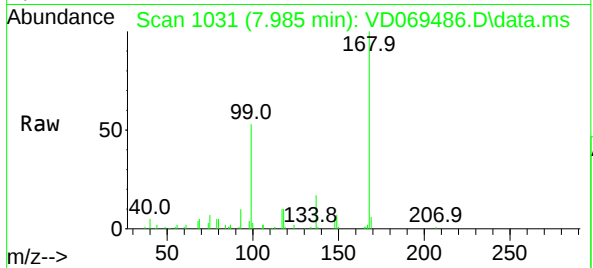




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

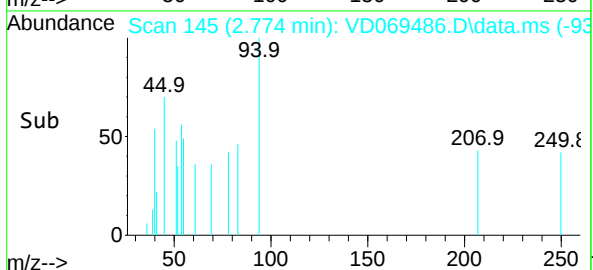
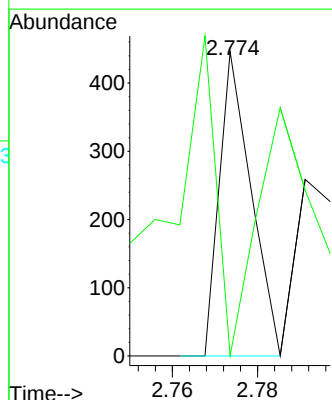
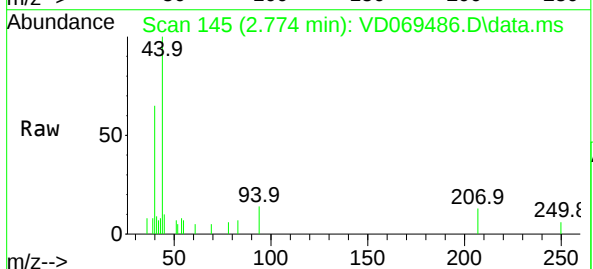
Instrument :
MSVOA_D
ClientSampled :

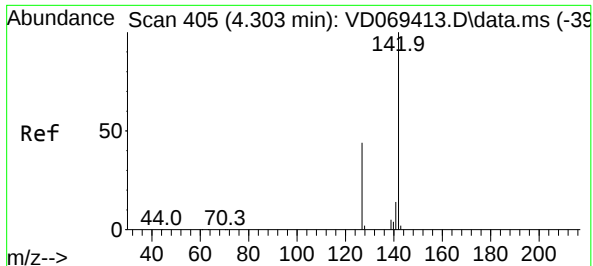
Tgt Ion:168 Resp: 101443
Ion Ratio Lower Upper
168 100
99 52.5 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 0.0 70.3 105.5#





#10

Methyl Iodide

Concen: 3.431 ug/l

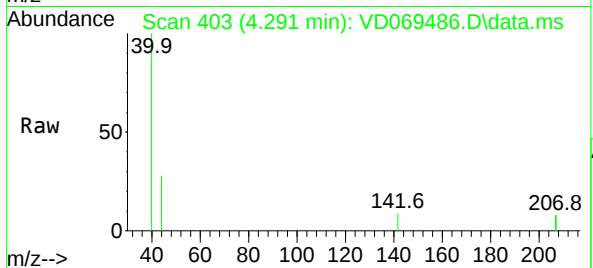
RT: 4.291 min Scan# 403

Delta R.T. -0.012 min

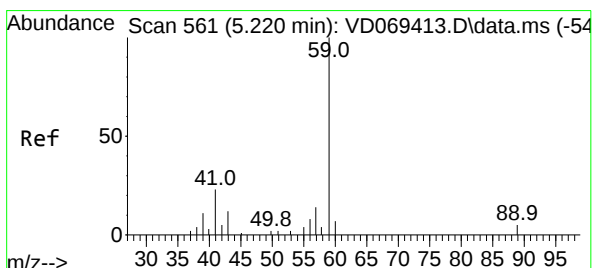
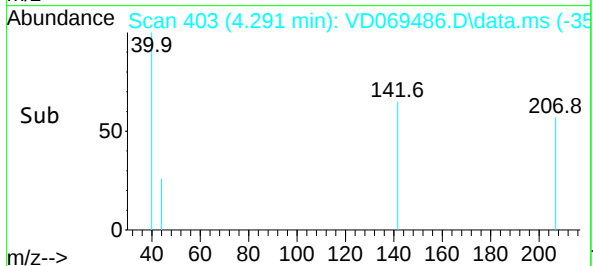
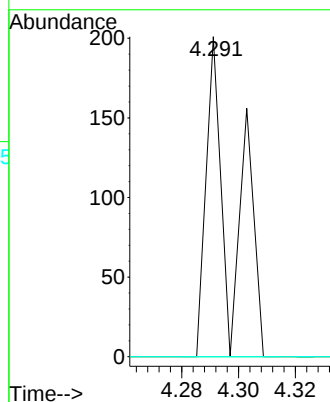
Lab File: VD069486.D

Acq: 17 Jun 2021 18:13

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	142	Resp:	126
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.2#
141	0.0	12.2	18.2#



#11

Tert butyl alcohol

Concen: 1.092 ug/l

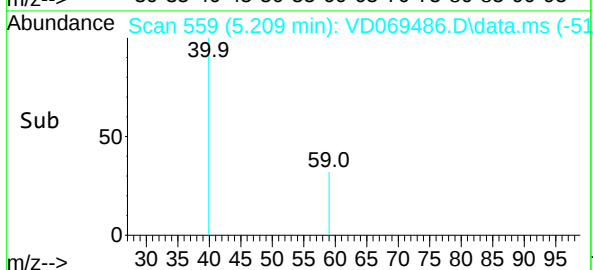
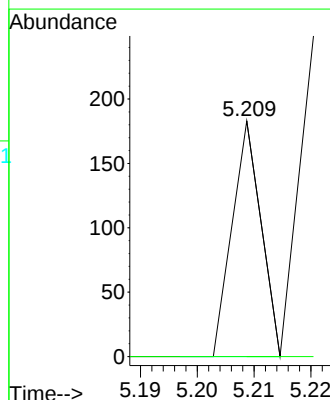
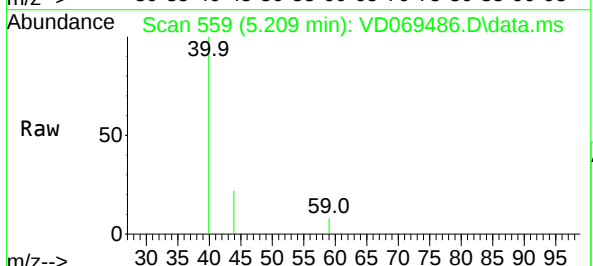
RT: 5.209 min Scan# 559

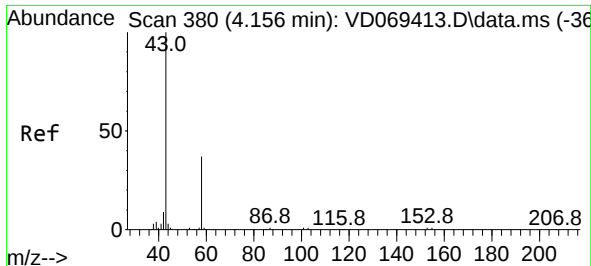
Delta R.T. -0.011 min

Lab File: VD069486.D

Acq: 17 Jun 2021 18:13

Tgt Ion:	59	Resp:	65
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

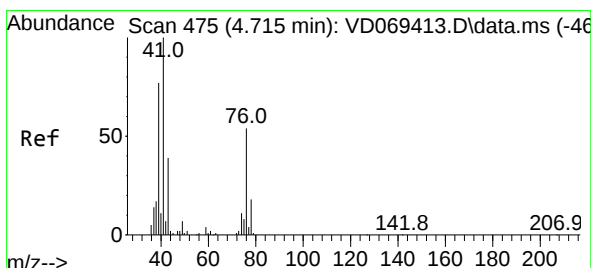
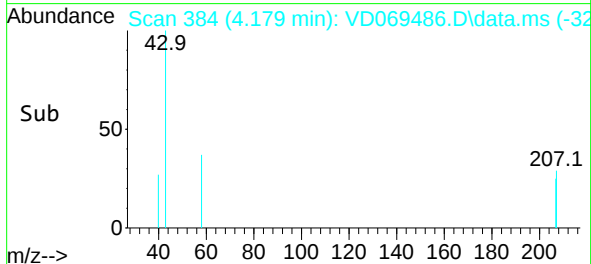
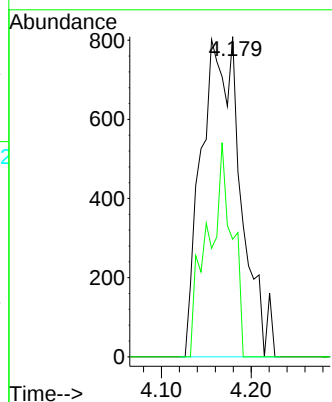
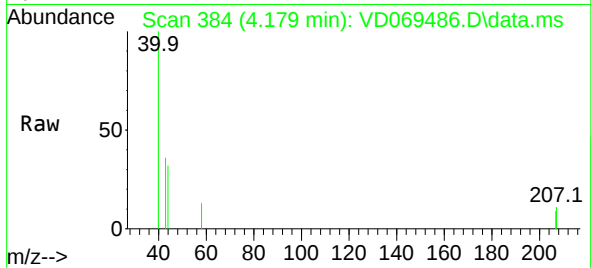




#16
Acetone
Concen: 13.007 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

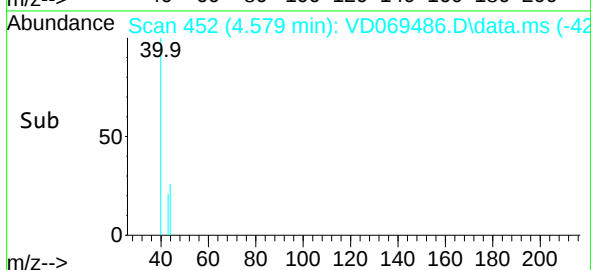
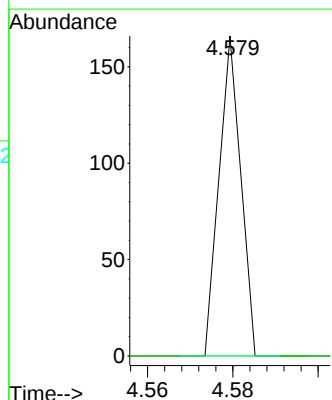
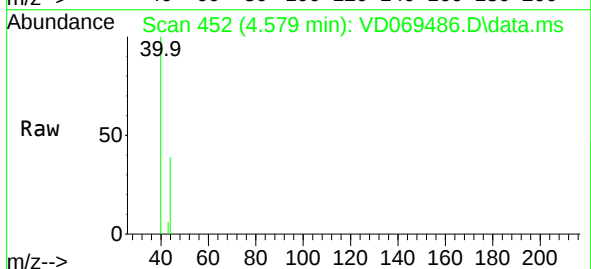
Instrument :
MSVOA_D
ClientSampled :

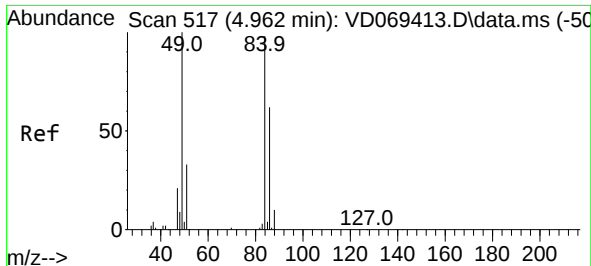
Tgt Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
58 36.7 27.5 41.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.579 min Scan# 452
Delta R.T. -0.136 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

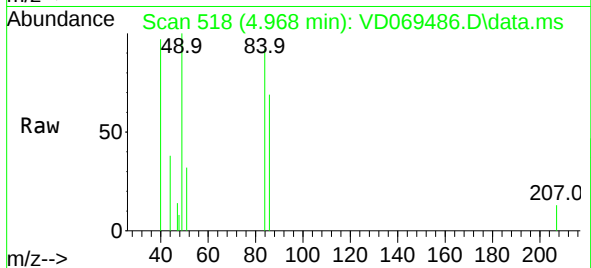
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



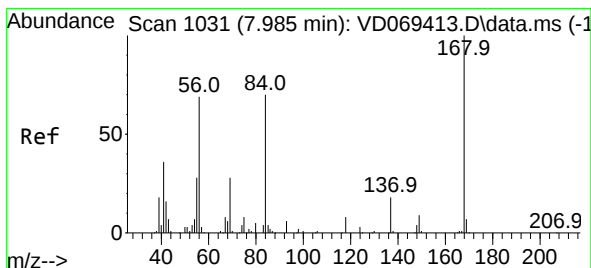
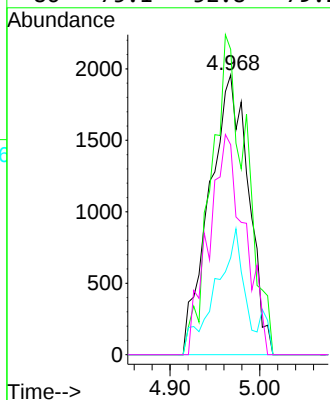
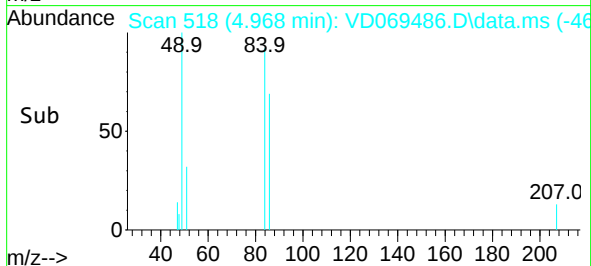


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

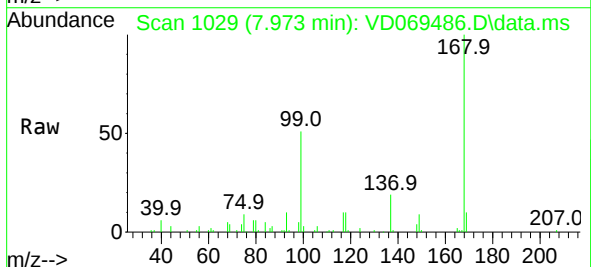
Instrument :
MSVOA_D
ClientSampled :



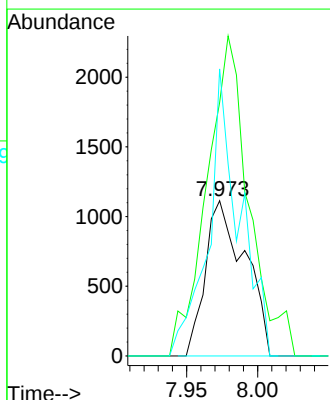
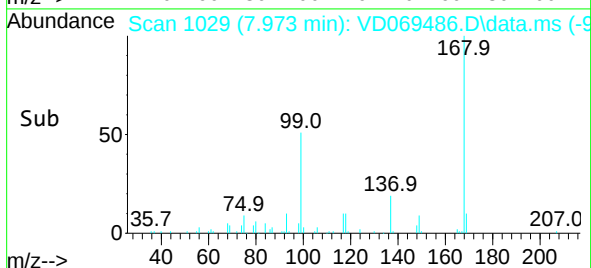
Tgt Ion:	84	Resp:	5905
Ion	Ratio	Lower	Upper
84	100		
49	109.1	83.7	125.5
51	34.7	26.4	39.6
86	75.1	52.8	79.2

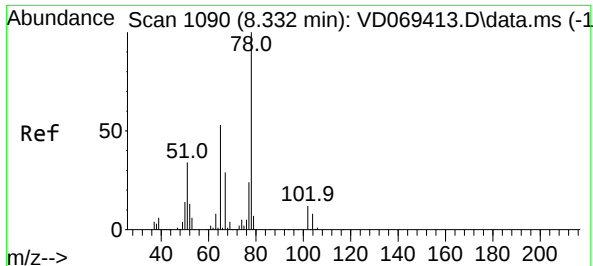


#31
Cyclohexane
Concen: 1.393 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13



Tgt Ion:	56	Resp:	2166
Ion	Ratio	Lower	Upper
56	100		
69	138.5	29.0	43.4#
84	185.0	81.1	121.7#



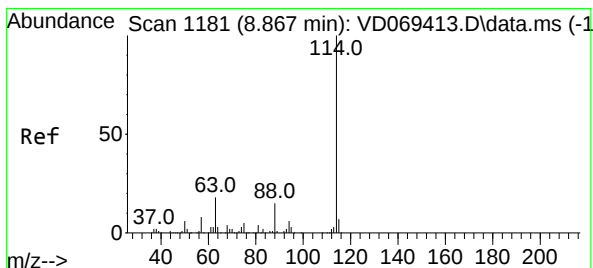
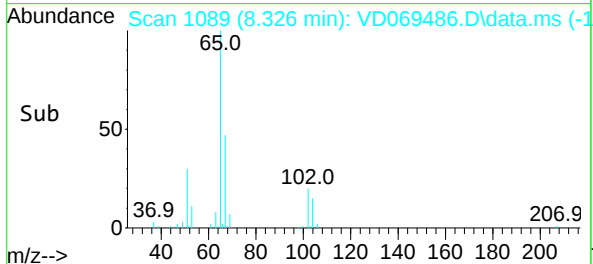
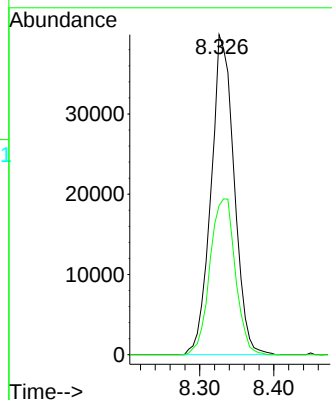
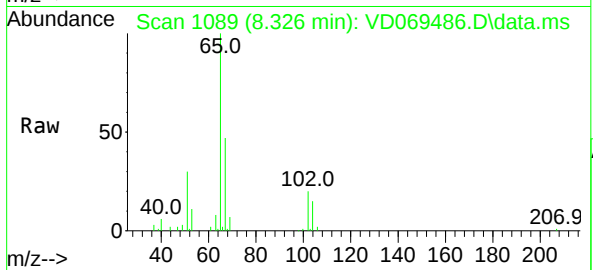


#33

1,2-Dichloroethane-d4
Concen: 75.464 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Instrument :
MSVOA_D
ClientSampled :

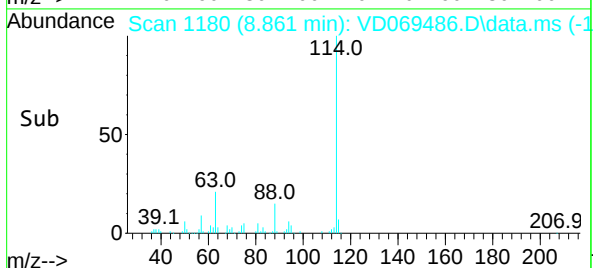
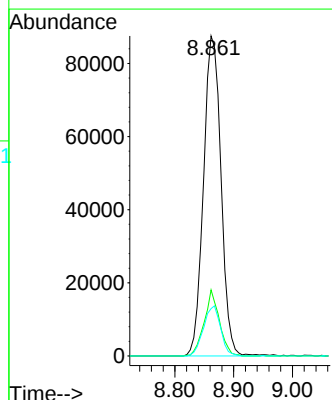
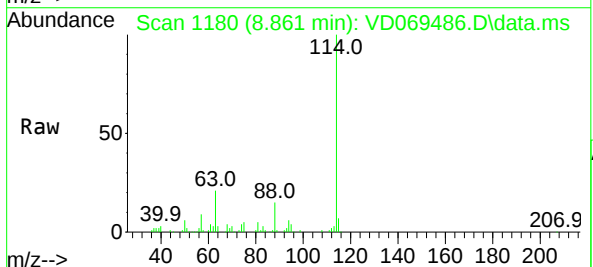
Tgt Ion: 65 Resp: 86364
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

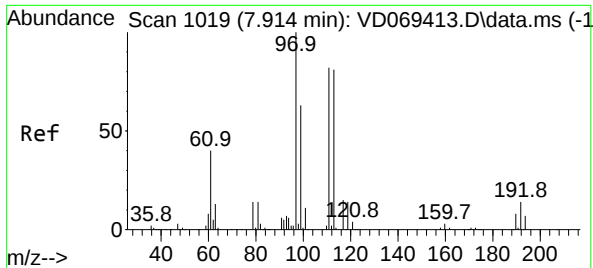


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Tgt Ion: 114 Resp: 181048
Ion Ratio Lower Upper
114 100
63 20.6 0.0 35.6
88 14.8 0.0 31.2

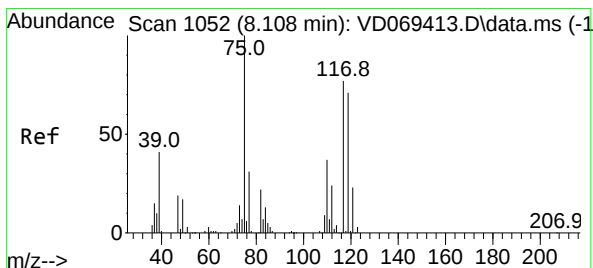
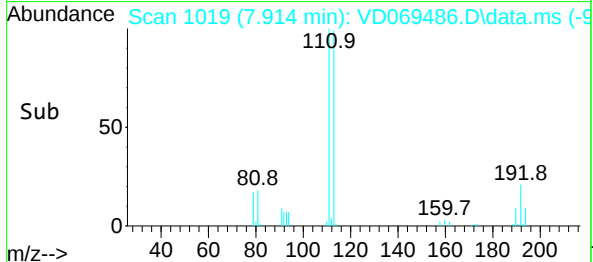
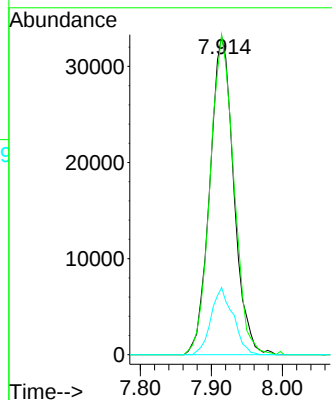
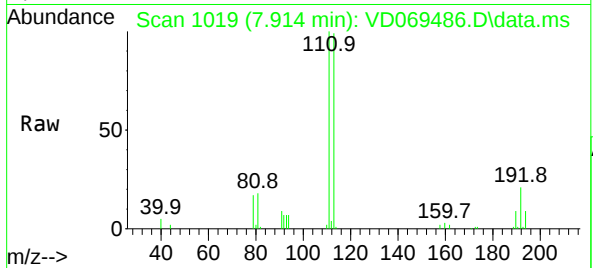




#35
Dibromofluoromethane
Concen: 57.147 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

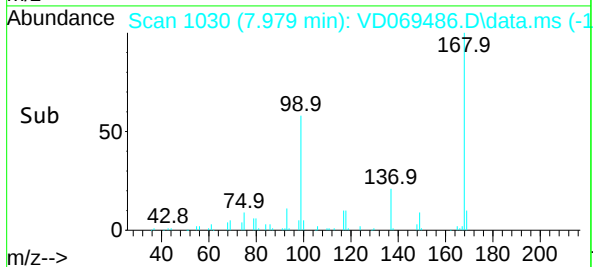
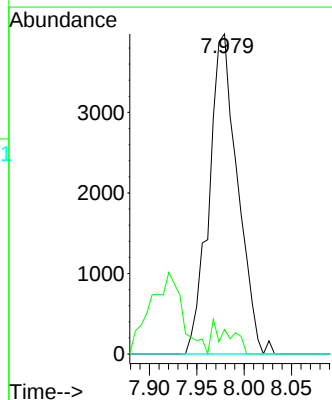
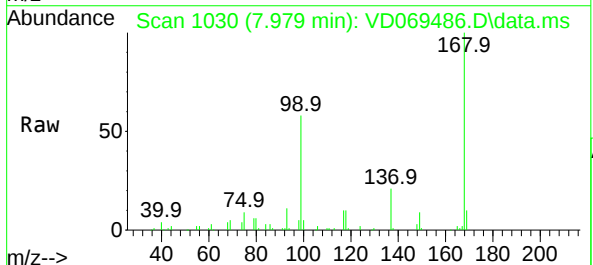
Instrument :
MSVOA_D
ClientSampled :

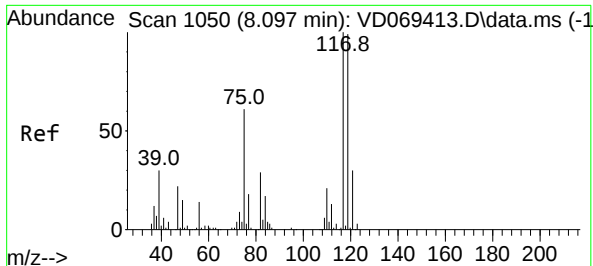
Tgt Ion:113 Resp: 77494
Ion Ratio Lower Upper
113 100
111 99.6 83.0 124.6
192 19.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

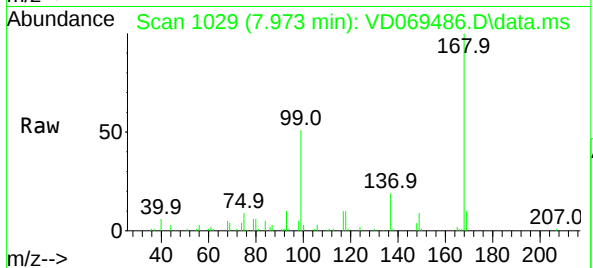
Tgt Ion: 75 Resp: 8346
Ion Ratio Lower Upper
75 100
110 6.6 18.4 55.2#
77 0.0 24.9 37.3#



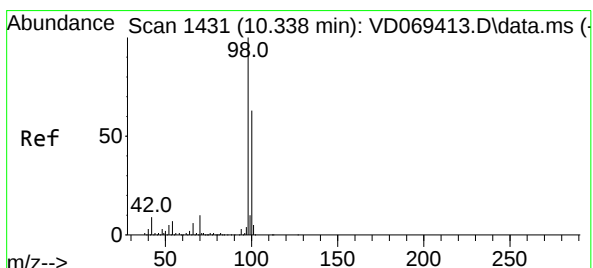
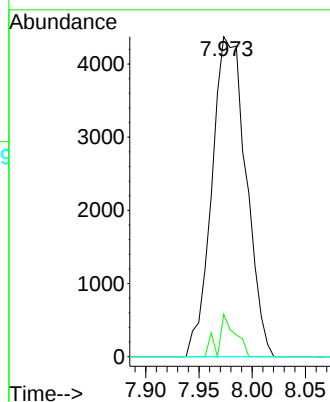
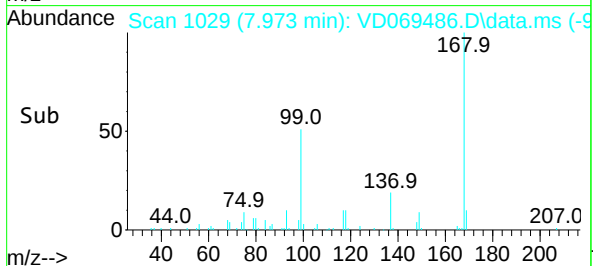


#38
Carbon Tetrachloride
Concen: 4.779 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

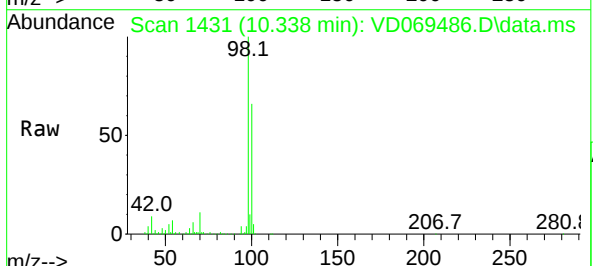
Instrument :
MSVOA_D
ClientSampled :



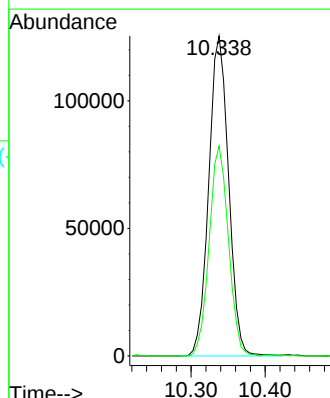
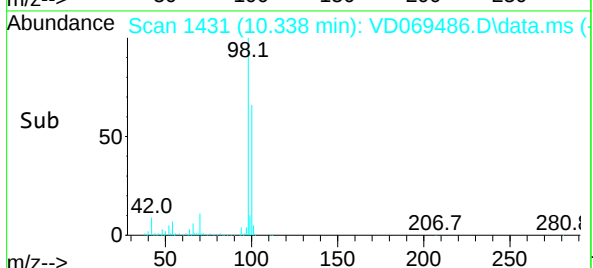
Tgt Ion:117 Resp: 9760
Ion Ratio Lower Upper
117 100
119 13.2 79.4 119.2#
121 0.0 26.1 39.1#

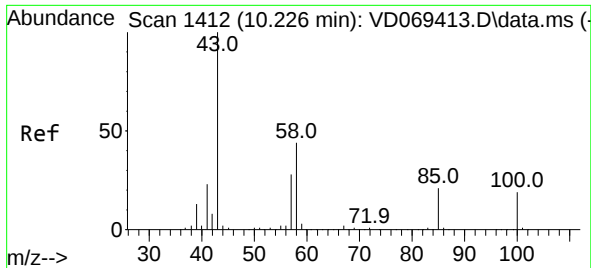


#50
Toluene-d8
Concen: 46.988 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13



Tgt Ion: 98 Resp: 233047
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

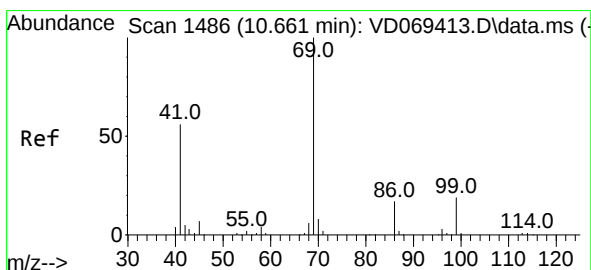
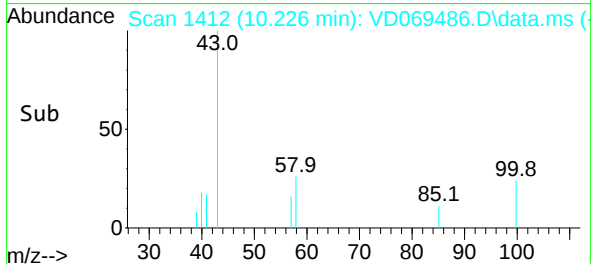
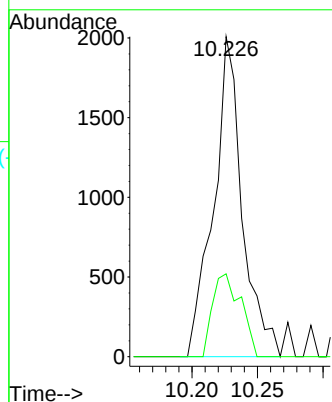
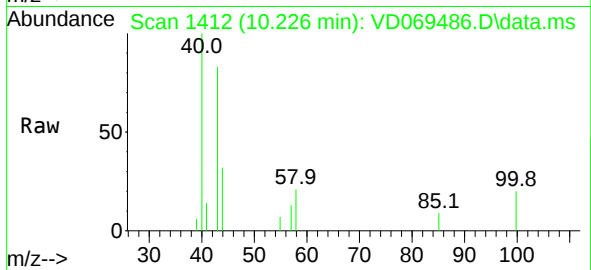




#51
4-Methyl-2-Pentanone
Concen: 5.013 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

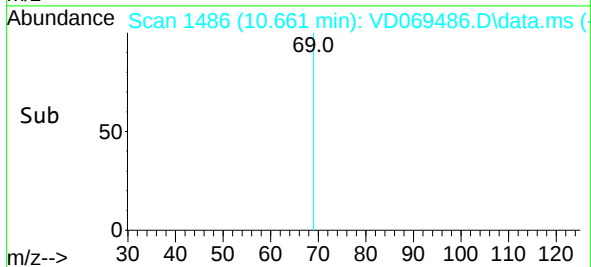
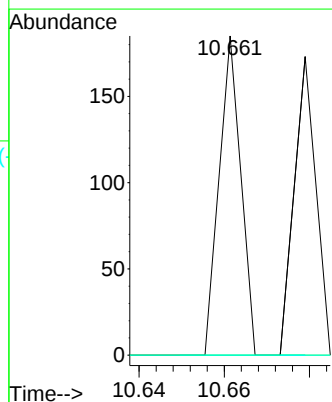
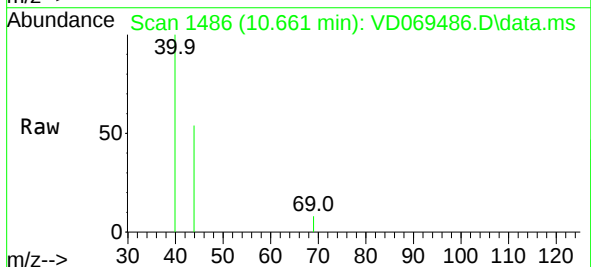
Instrument :
MSVOA_D
ClientSampled :

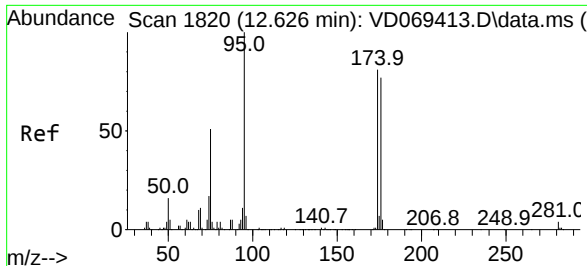
Tgt Ion: 43 Resp: 3050
Ion Ratio Lower Upper
43 100
58 25.5 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.874 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 0.0 21.7 32.5#

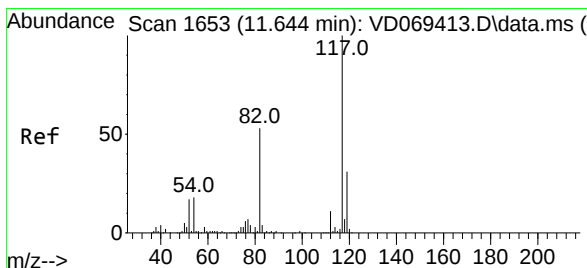
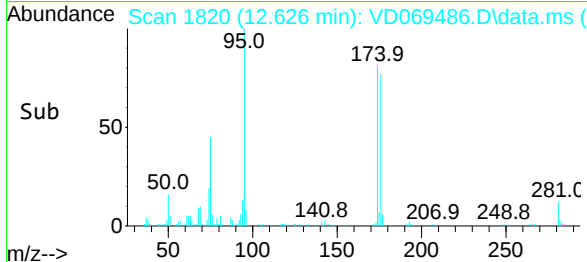
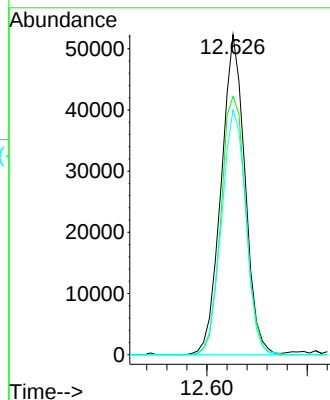
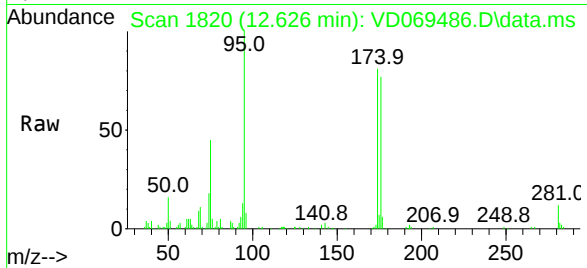




#62
4-Bromofluorobenzene
Concen: 54.199 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

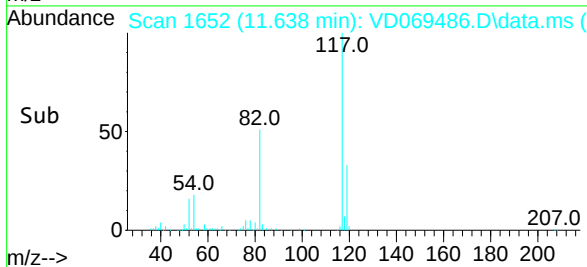
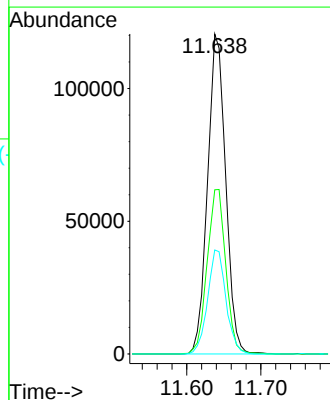
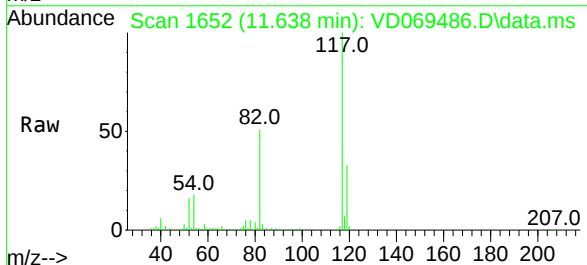
Instrument :
MSVOA_D
ClientSampleId :

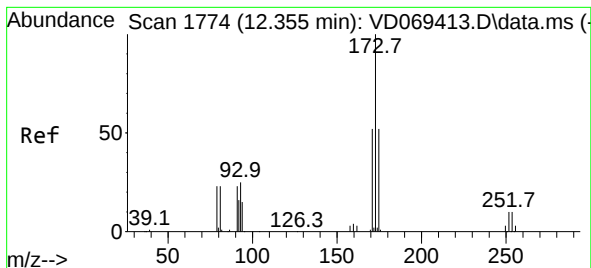
Tgt Ion:	95	Resp:	86252
Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	162.8
176	78.8	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Tgt Ion:	117	Resp:	204587
Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.3	64.9
119	32.5	25.3	37.9





#71

Bromoform

Concen: 1.162 ug/l

RT: 12.620 min Scan# 1819

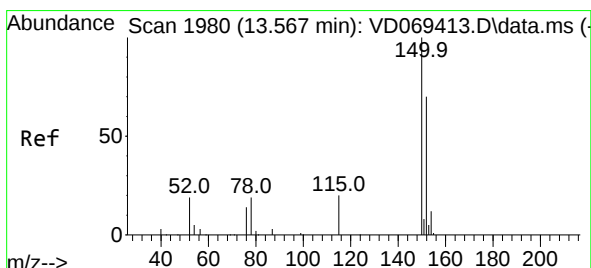
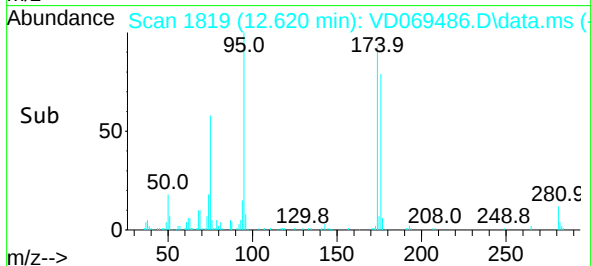
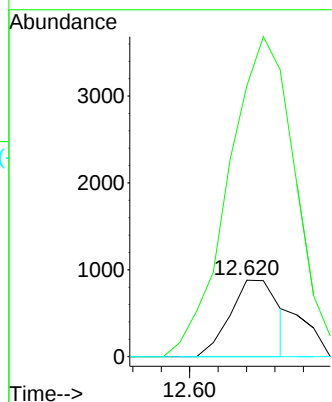
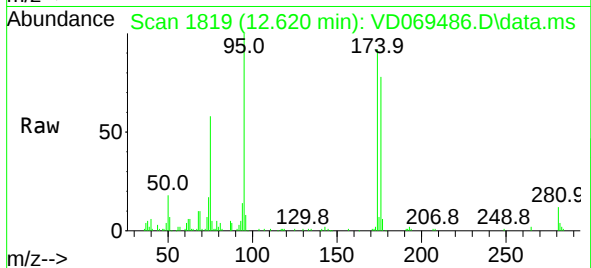
Delta R.T. 0.265 min

Lab File: VD069486.D

Acq: 17 Jun 2021 18:13

Tgt Ion:	173	Resp:	1039
Ion Ratio	Lower	Upper	
173	100		
175	476.4	23.8	71.2#
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

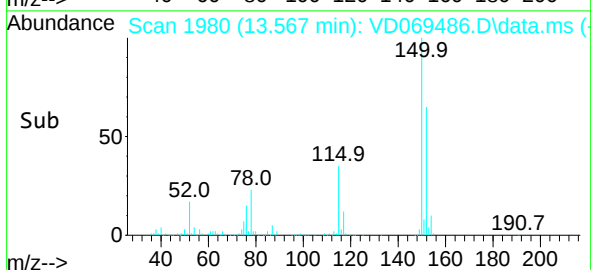
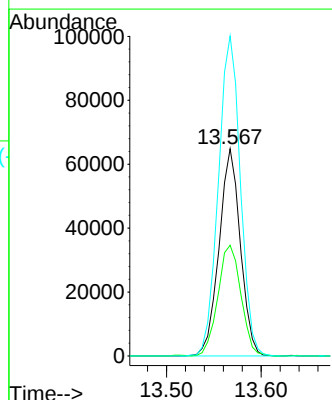
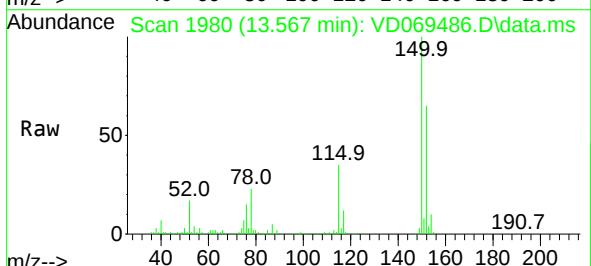
RT: 13.567 min Scan# 1980

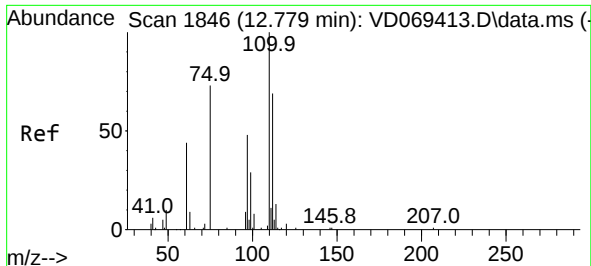
Delta R.T. 0.000 min

Lab File: VD069486.D

Acq: 17 Jun 2021 18:13

Tgt Ion:	152	Resp:	101391
Ion Ratio	Lower	Upper	
152	100		
115	57.9	29.4	88.3
150	159.1	0.0	355.0

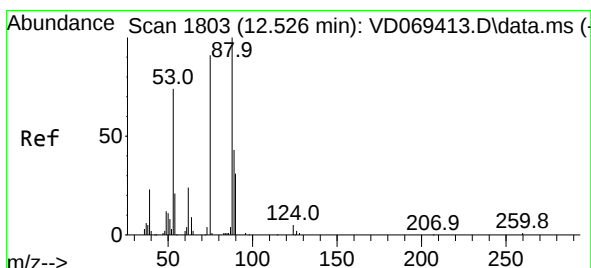
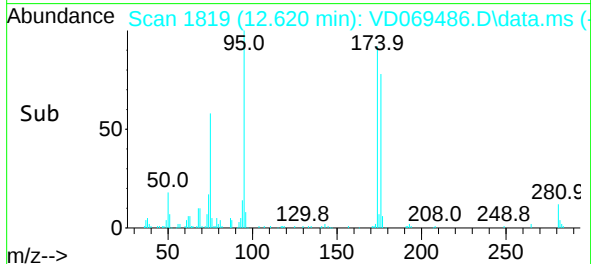
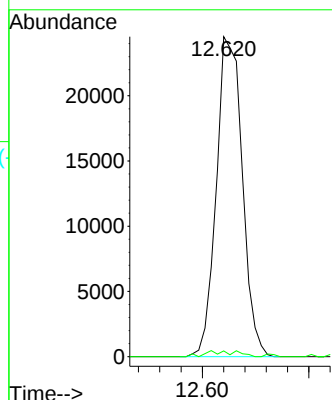
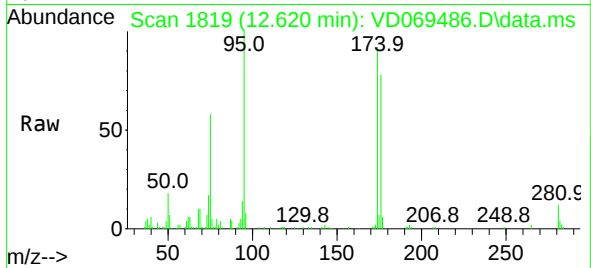




#76
1,2,3-Trichloropropane
Concen: 40.366 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.159 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

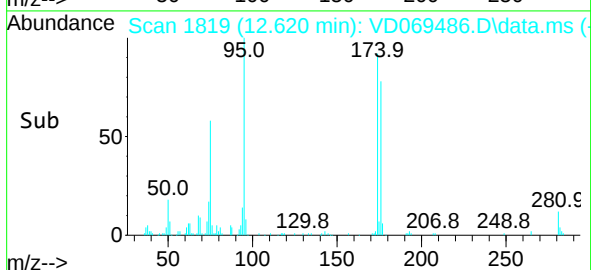
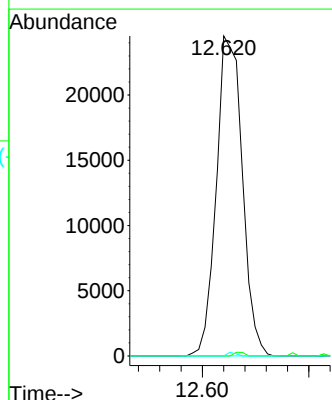
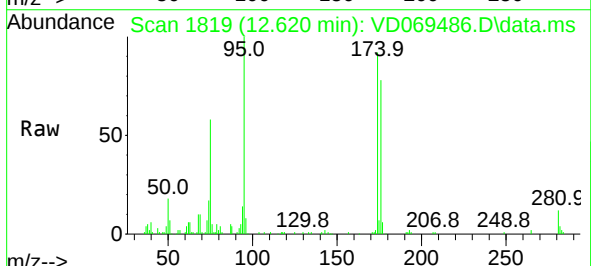
Instrument :
MSVOA_D
ClientSampled :

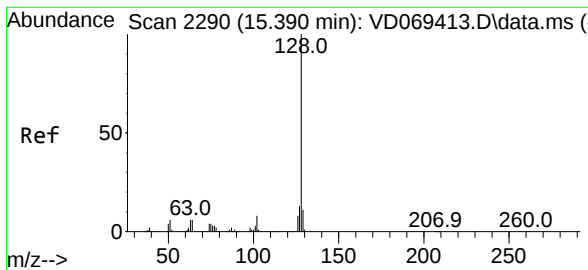
Tgt Ion: 75 Resp: 41493
Ion Ratio Lower Upper
75 100
77 1.0 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.684 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.094 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Tgt Ion: 75 Resp: 41493
Ion Ratio Lower Upper
75 100
53 0.5 62.6 94.0#
89 0.4 35.6 53.4#





#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069486.D
Acq: 17 Jun 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 5474
Ion Ratio Lower Upper
128 100
127 6.8 10.4 15.6#
129 11.9 8.8 13.2

