

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069917.D
 Acq On : 29 Jul 2021 17:54
 Operator : VA/SY
 Sample : M3217-01
 Misc : 6.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:57:35 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)

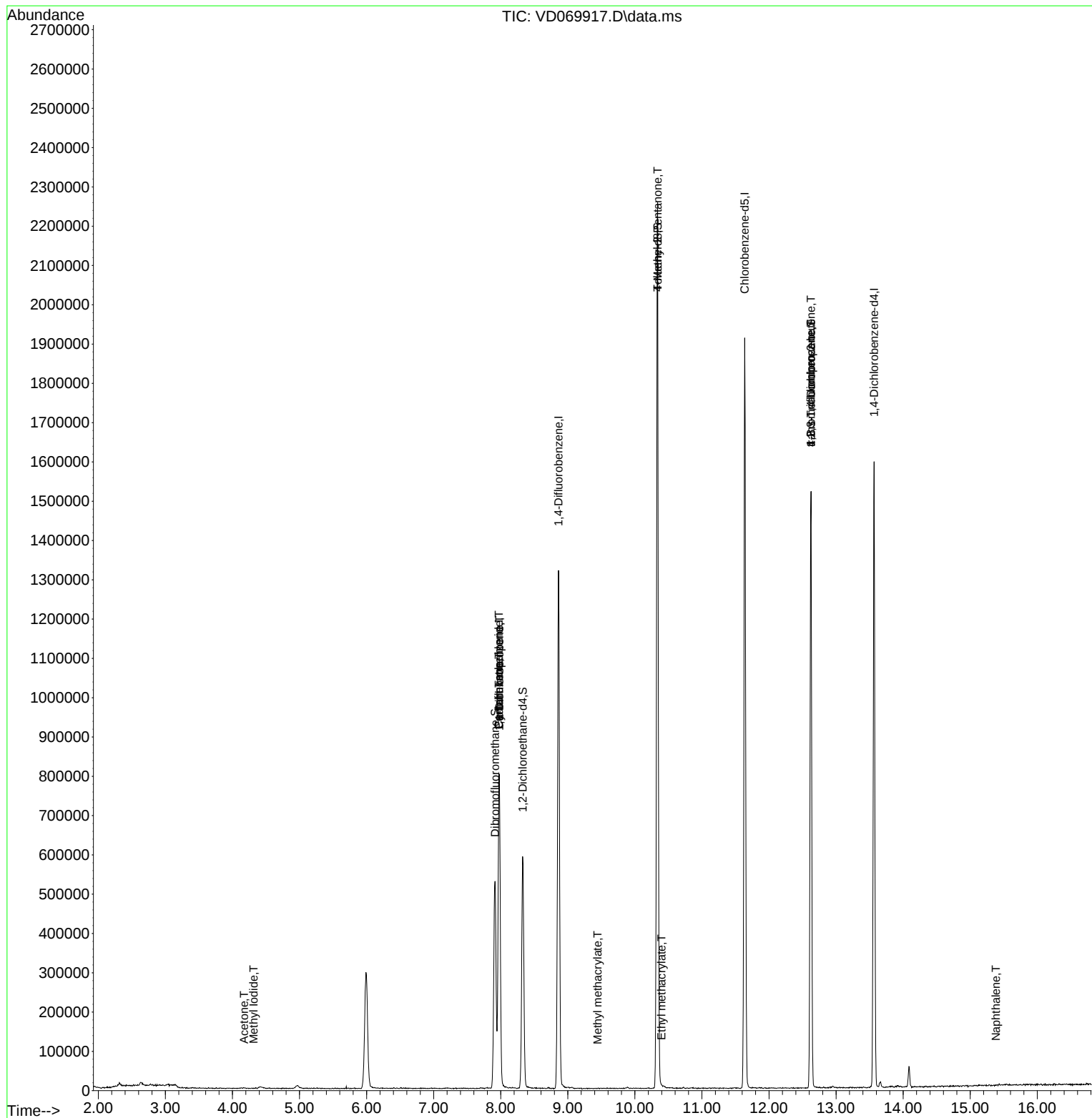
Internal Standards						
1) Pentafluorobenzene	7.973	168	580559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1124115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1106346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	422032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	461080	69.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.120%			
35) Dibromofluoromethane	7.914	113	409445	57.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.560%			
50) Toluene-d8	10.338	98	1534174	56.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.300%			
62) 4-Bromofluorobenzene	12.626	95	458234	50.179	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.360%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2104	Below Cal		100
10) Methyl Iodide	4.315	142	361	3.509 ug/l #		64
16) Acetone	4.173	43	3488	2.892 ug/l #		62
20) Methylene Chloride	4.973	84	6166	Below Cal #		79
31) Cyclohexane	7.973	56	13238	1.015 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	51935	4.281 ug/l #		49
38) Carbon Tetrachloride	7.973	117	62359	5.628 ug/l #		16
48) Methyl methacrylate	9.444	41	122	2.774 ug/l #		13
51) 4-Methyl-2-Pentanone	10.338	43	5812	1.410 ug/l #		1
56) Ethyl methacrylate	10.397	69	98	3.907 ug/l #		28
76) 1,2,3-Trichloropropane	12.626	75	220416	49.135 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	220416	149.064 ug/l #		16
95) Naphthalene	15.385	128	415	5.026 ug/l #		69

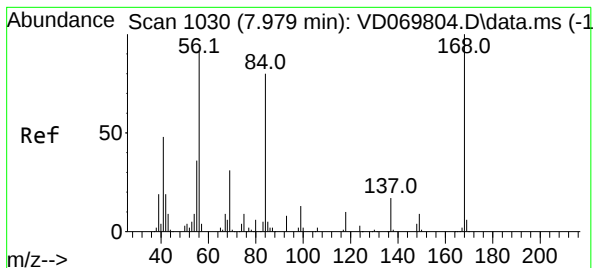
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

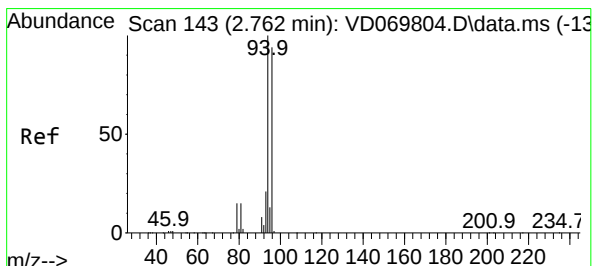
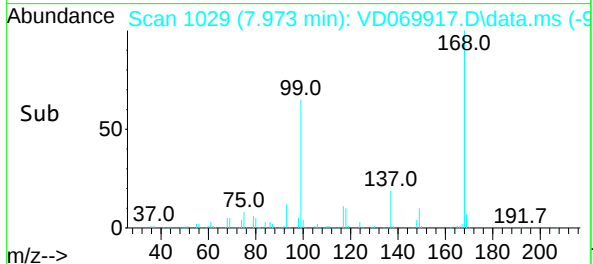
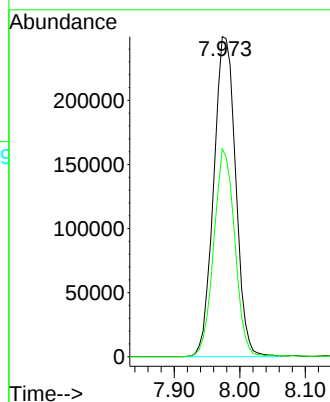
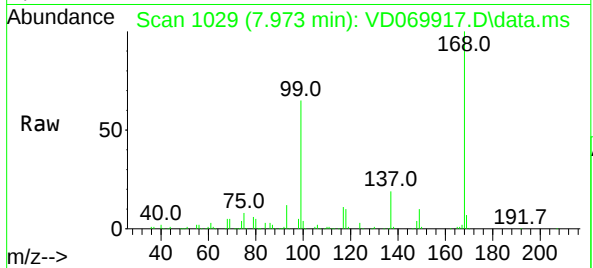




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

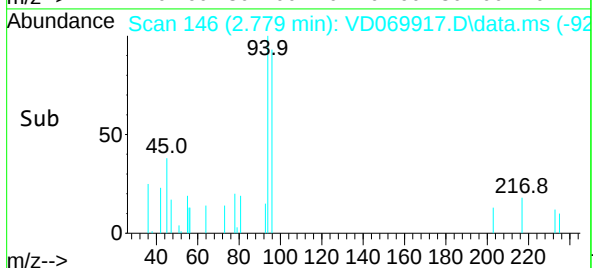
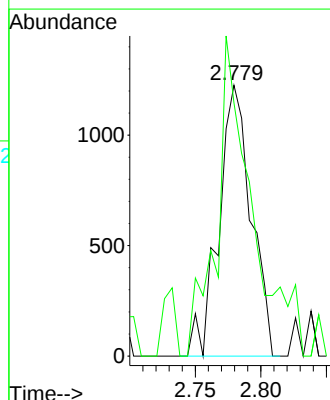
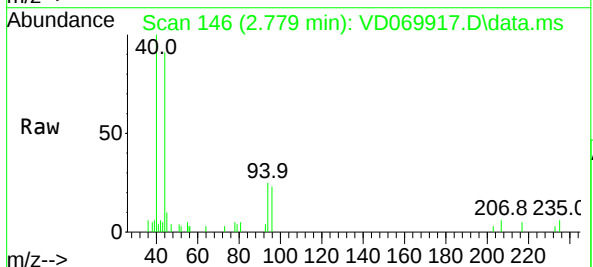
Instrument :
MSVOA_D
ClientSampleId :

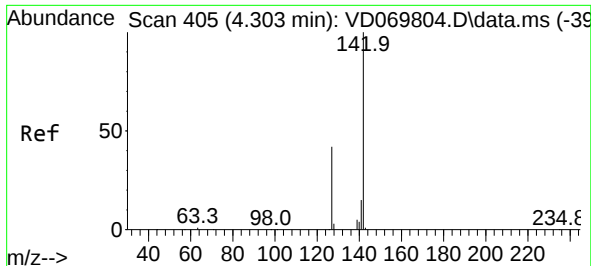
Tgt Ion:168 Resp: 580559
Ion Ratio Lower Upper
168 100
99 65.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion: 94 Resp: 2104
Ion Ratio Lower Upper
94 100
96 93.5 74.8 112.2

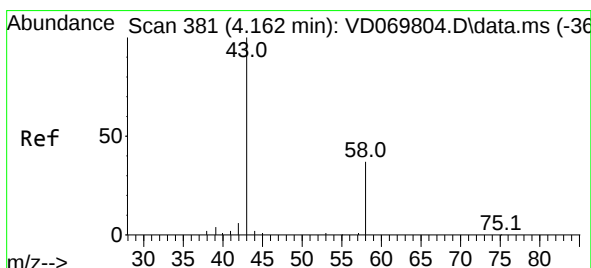
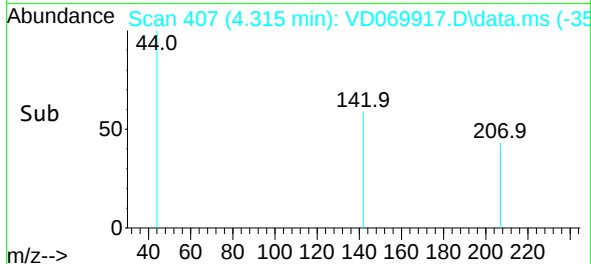
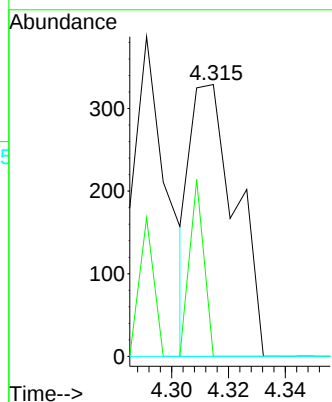
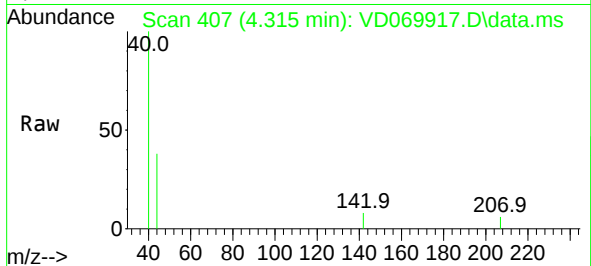




#10
Methyl Iodide
Concen: 3.509 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

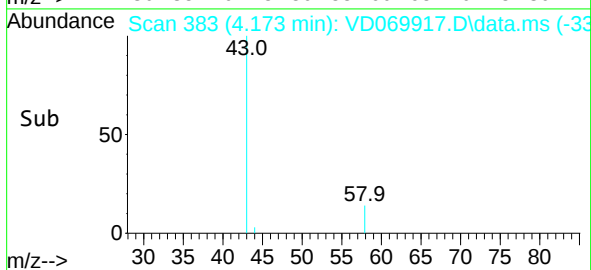
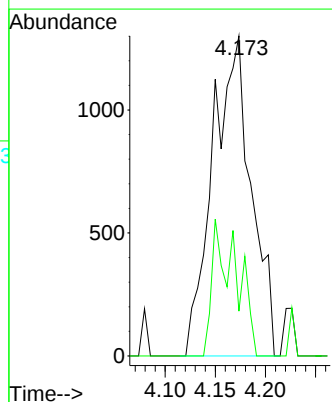
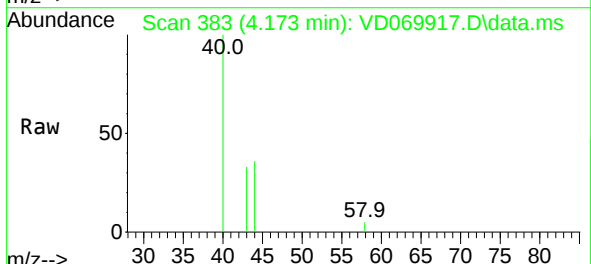
Instrument :
MSVOA_D
ClientSampleId :

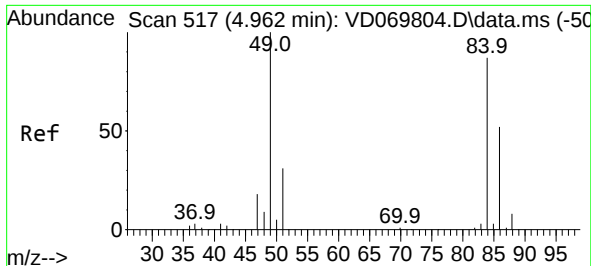
Tgt Ion:142 Resp: 361
Ion Ratio Lower Upper
142 100
127 21.1 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 2.892 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
58 14.0 29.4 44.0#





#20

Methylene Chloride

Concen: Below Cal

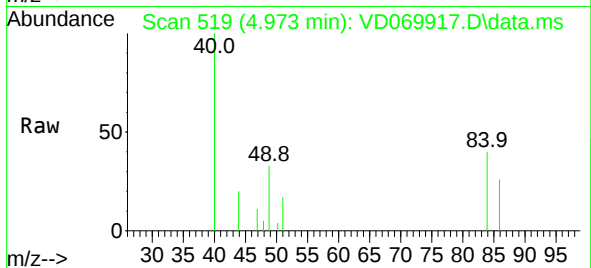
RT: 4.973 min Scan# 519

Delta R.T. 0.011 min

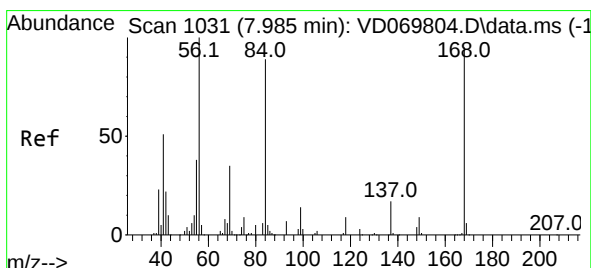
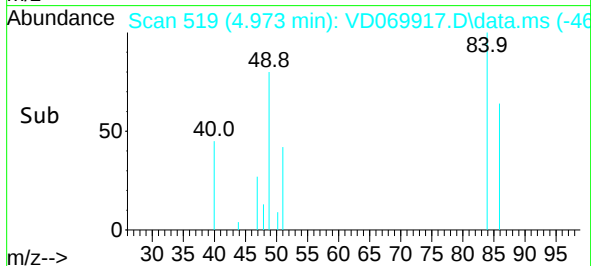
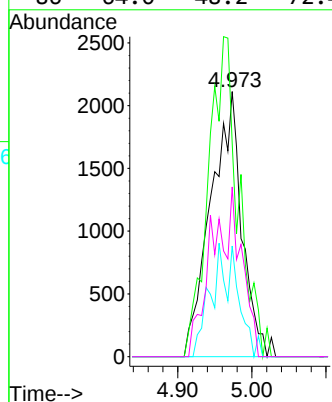
Lab File: VD069917.D

Acq: 29 Jul 2021 17:54

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	84	Resp:	6166
Ion	Ratio	Lower	Upper
84	100		
49	80.5	92.4	138.6#
51	41.7	28.5	42.7
86	64.0	48.2	72.4



#31

Cyclohexane

Concen: 1.015 ug/l

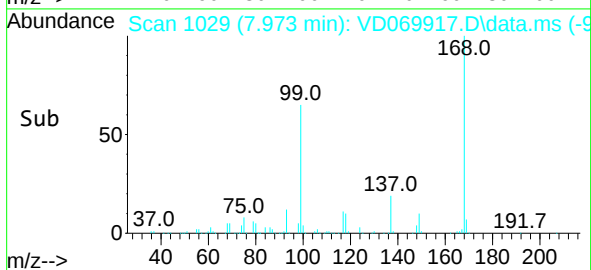
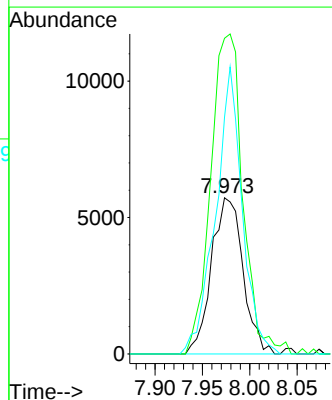
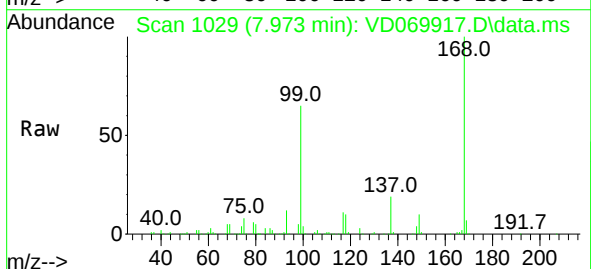
RT: 7.973 min Scan# 1029

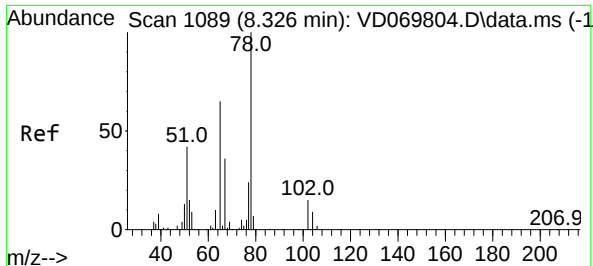
Delta R.T. -0.012 min

Lab File: VD069917.D

Acq: 29 Jul 2021 17:54

Tgt Ion:	56	Resp:	13238
Ion	Ratio	Lower	Upper
56	100		
69	202.1	27.9	41.9#
84	151.6	71.4	107.2#





#33

1,2-Dichloroethane-d4

Concen: 69.055 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD069917.D

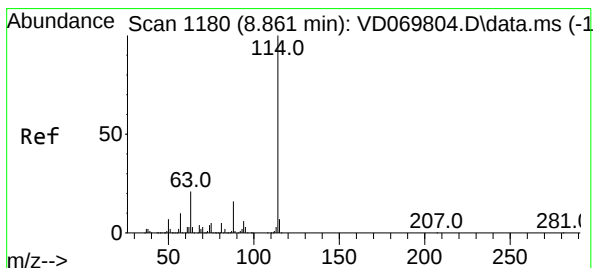
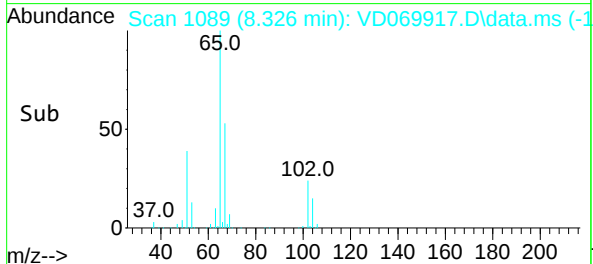
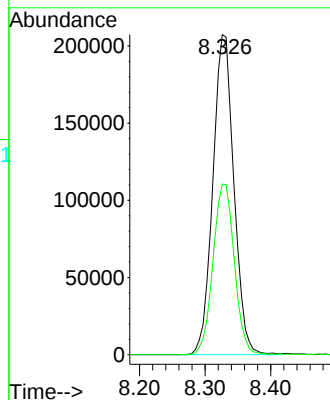
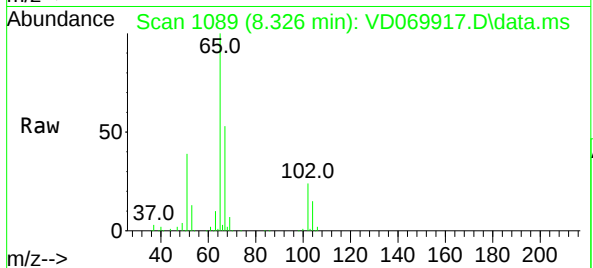
Acq: 29 Jul 2021 17:54

Tgt Ion: 65 Resp: 461080

Ion Ratio Lower Upper

65 100

67 54.1 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: VD069917.D

Acq: 29 Jul 2021 17:54

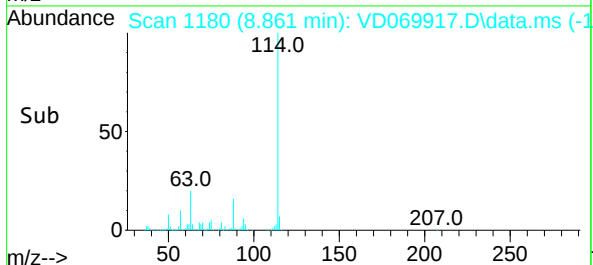
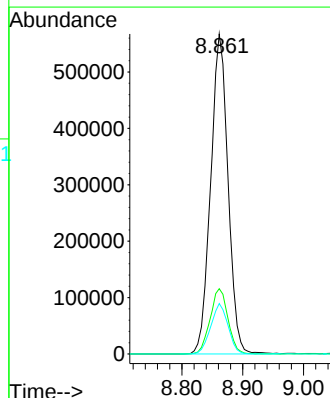
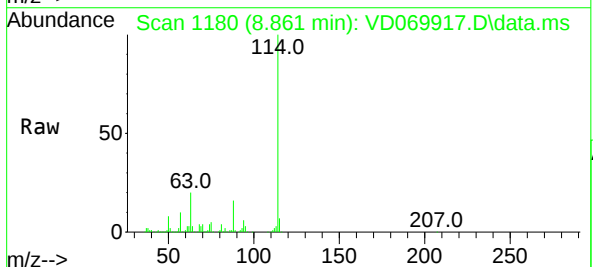
Tgt Ion: 114 Resp: 1124115

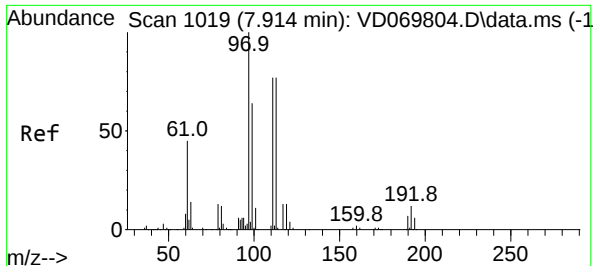
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 57.779 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069917.D

Acq: 29 Jul 2021 17:54

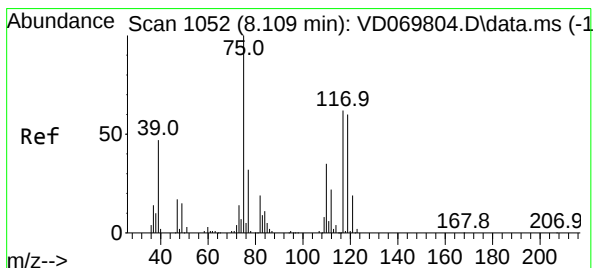
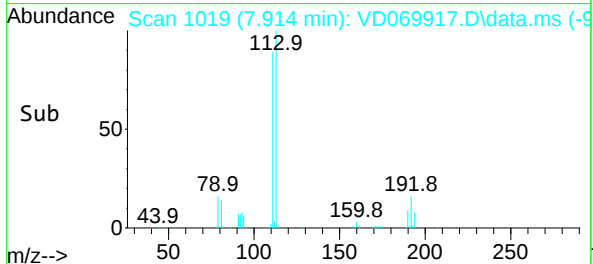
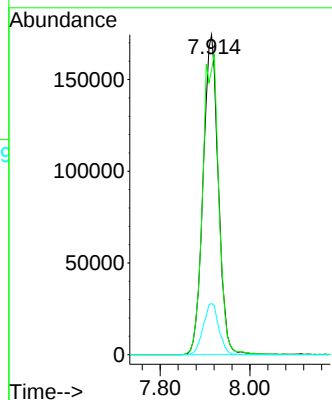
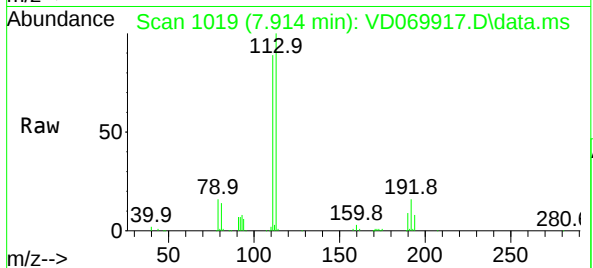
Tgt Ion:113 Resp: 409445

Ion Ratio Lower Upper

113 100

111 99.6 80.5 120.7

192 16.4 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.281 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069917.D

Acq: 29 Jul 2021 17:54

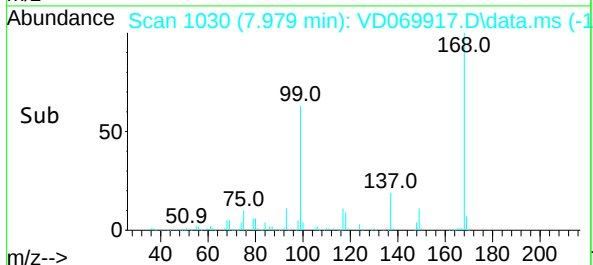
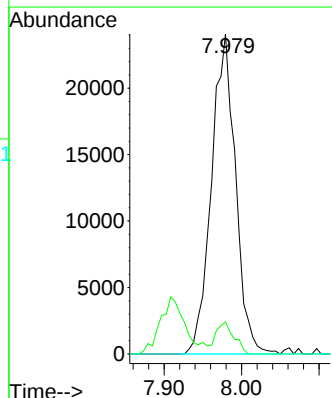
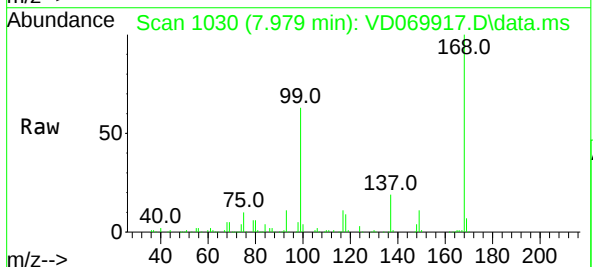
Tgt Ion: 75 Resp: 51935

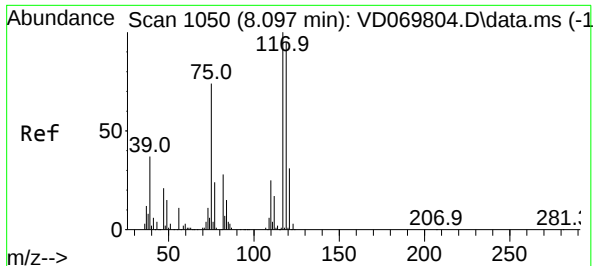
Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.7#

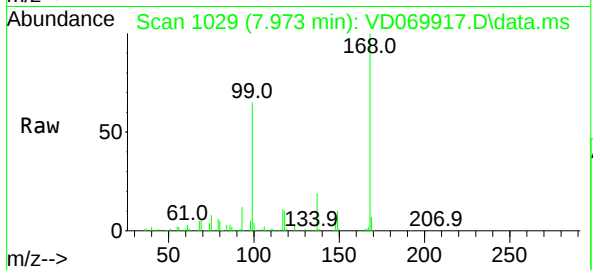
77 0.0 24.9 37.3#



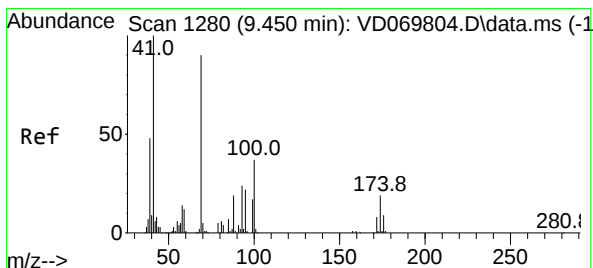
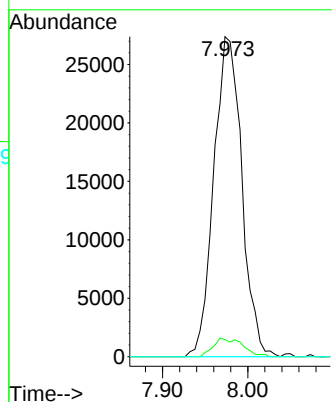
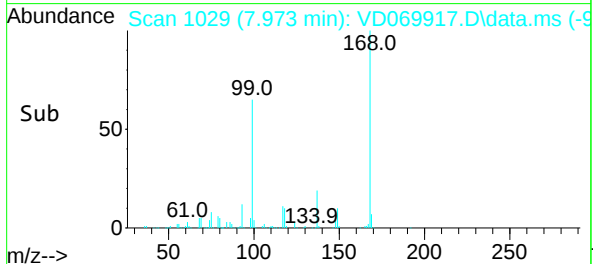


#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

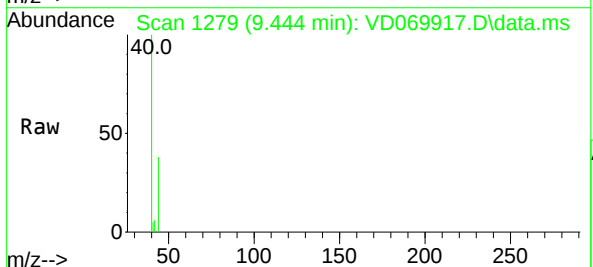
Instrument :
MSVOA_D
ClientSampleId :



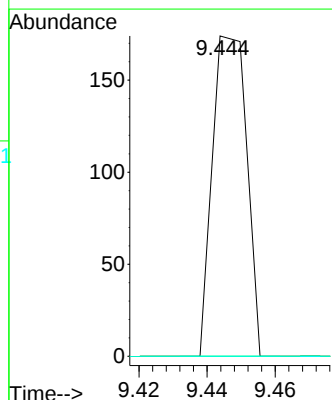
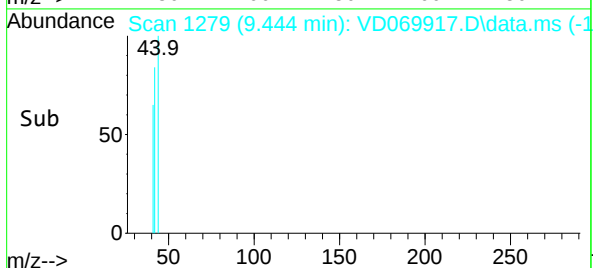
Tgt Ion:117 Resp: 62359
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.5 36.7#

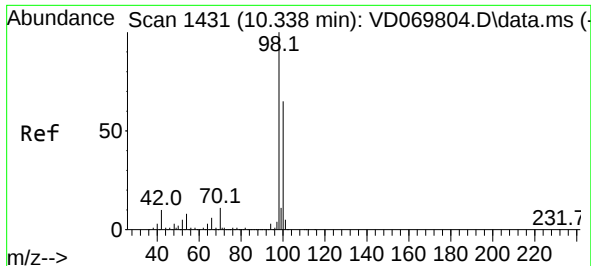


#48
Methyl methacrylate
Concen: 2.774 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54



Tgt Ion: 41 Resp: 122
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

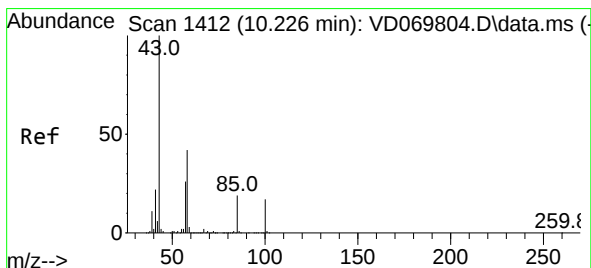
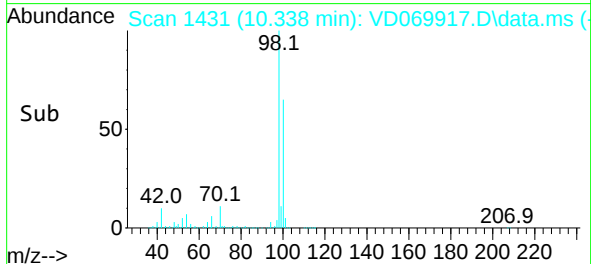
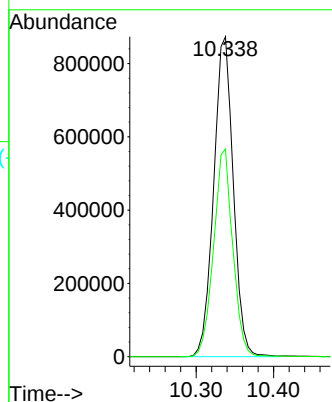
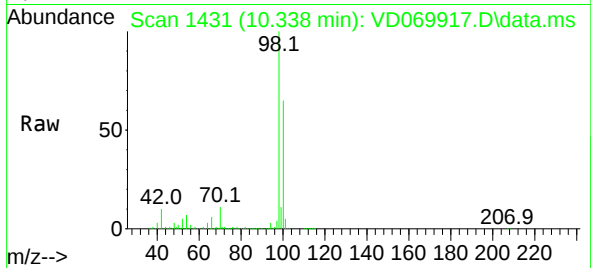




#50
Toluene-d8
Concen: 56.146 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

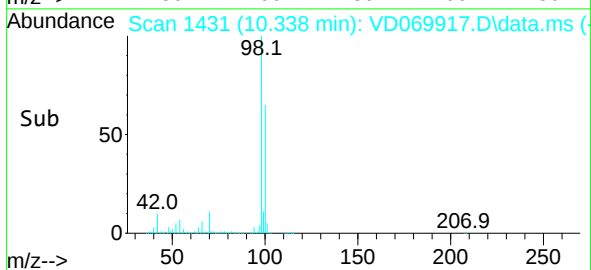
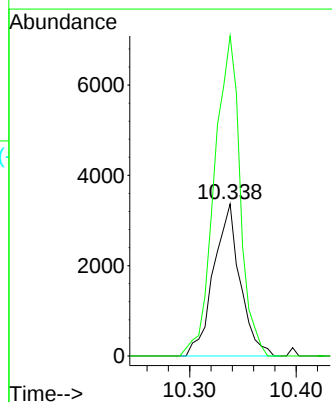
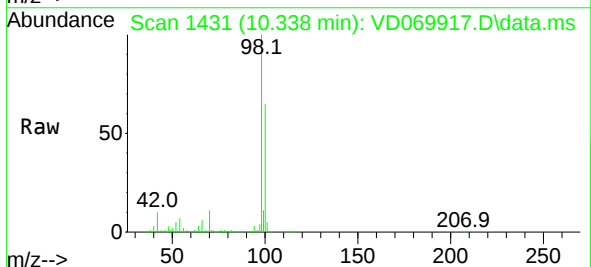
Instrument :
MSVOA_D
ClientSampleId :

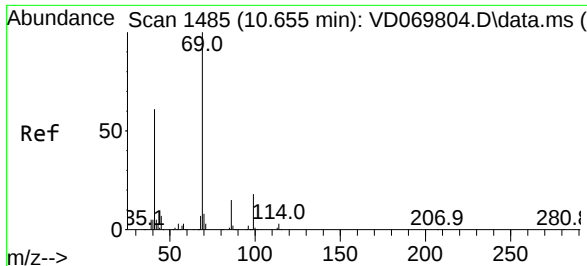
Tgt Ion: 98 Resp: 1534174
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion: 43 Resp: 5812
Ion Ratio Lower Upper
43 100
58 204.6 33.7 50.5#

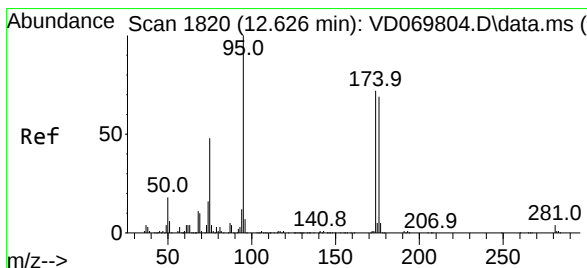
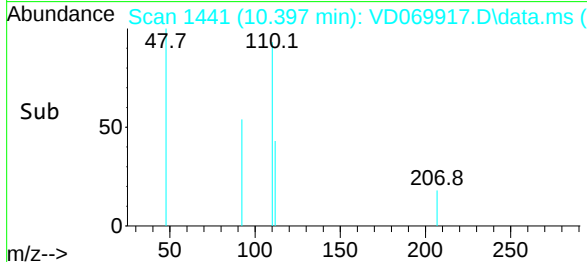
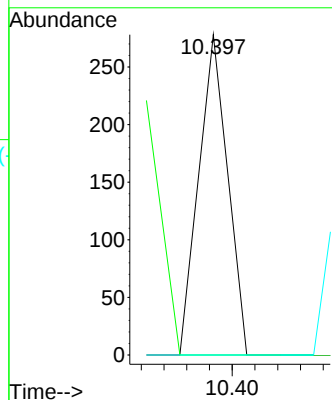
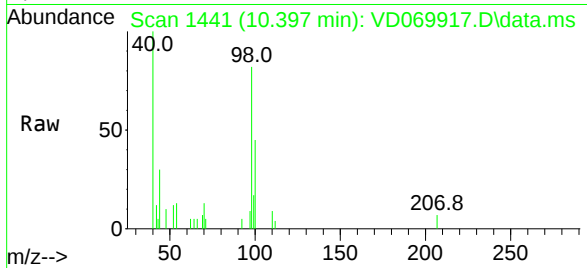




#56
Ethyl methacrylate
Concen: 3.907 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.258 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

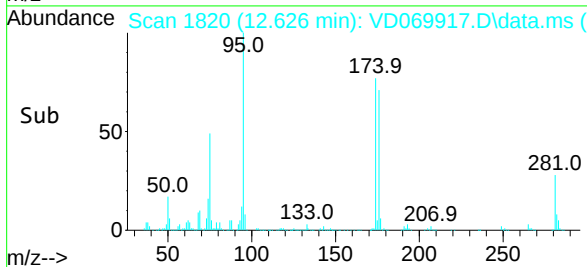
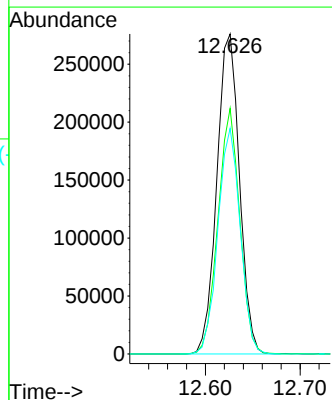
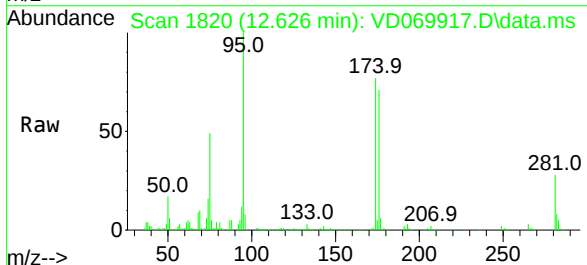
Instrument :
MSVOA_D
ClientSampleId :

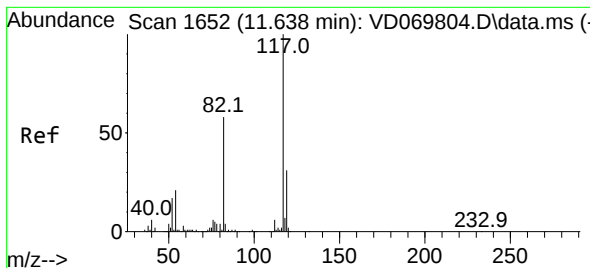
Tgt Ion: 69 Resp: 98
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 50.179 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion: 95 Resp: 458234
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.6
176 69.4 0.0 134.2

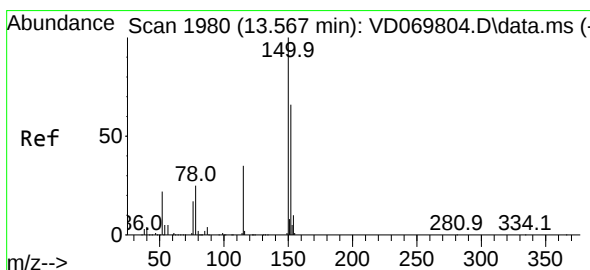
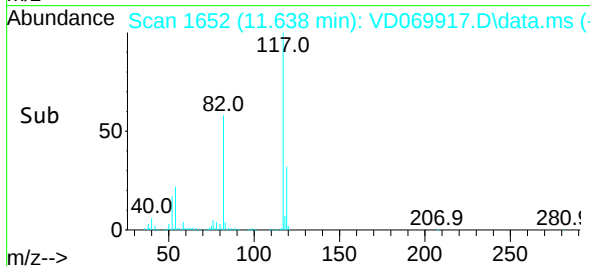
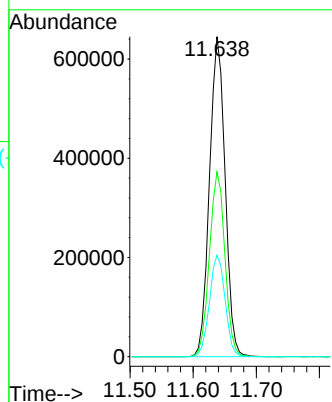
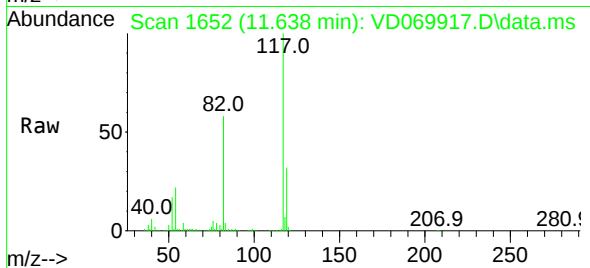




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

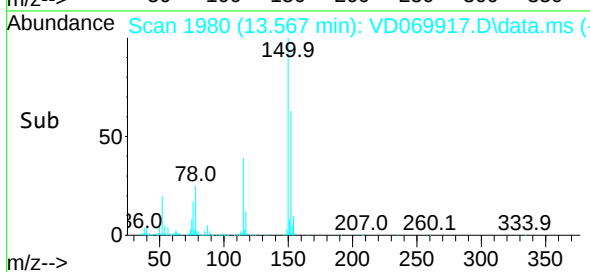
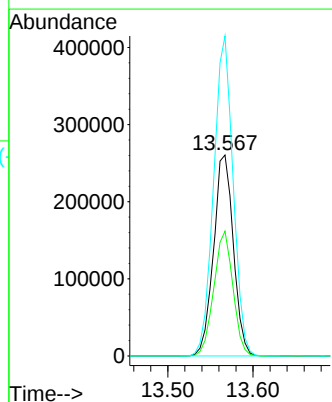
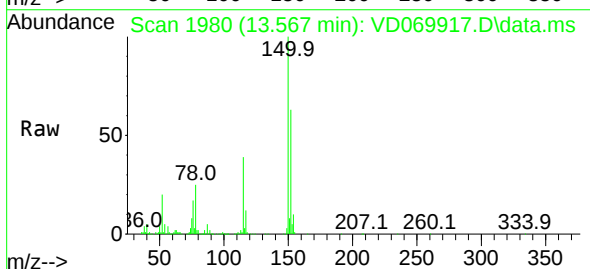
Instrument :
MSVOA_D
ClientSampleId :

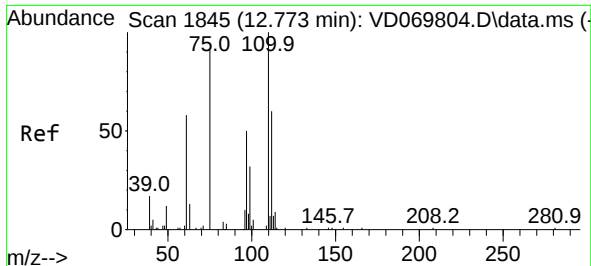
Tgt Ion:117 Resp: 1106346
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion:152 Resp: 422032
Ion Ratio Lower Upper
152 100
115 59.8 31.1 93.3
150 156.3 0.0 343.0

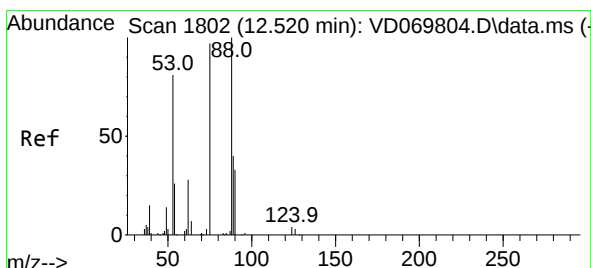
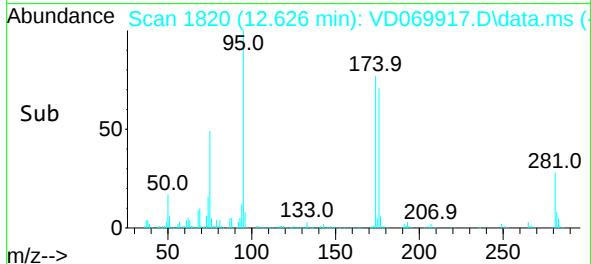
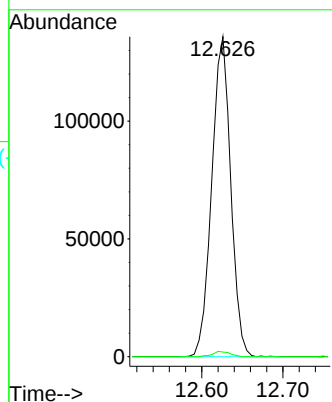
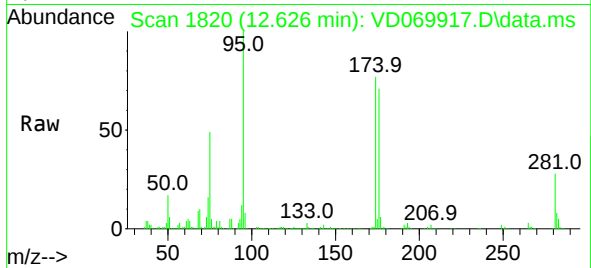




#76
1,2,3-Trichloropropane
Concen: 49.135 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

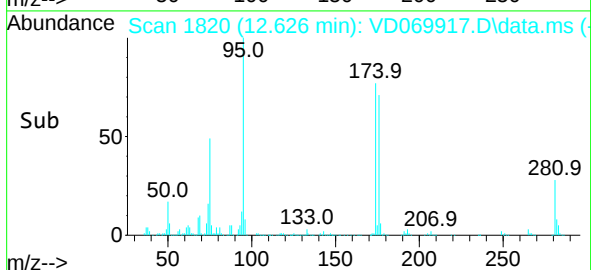
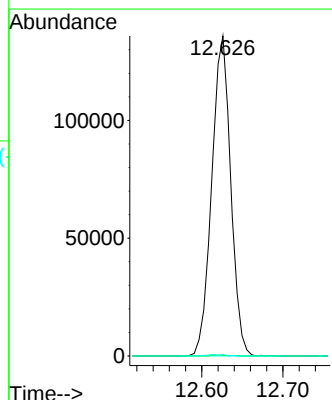
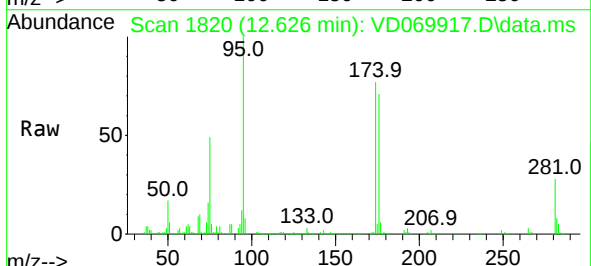
Instrument :
MSVOA_D
ClientSampleId :

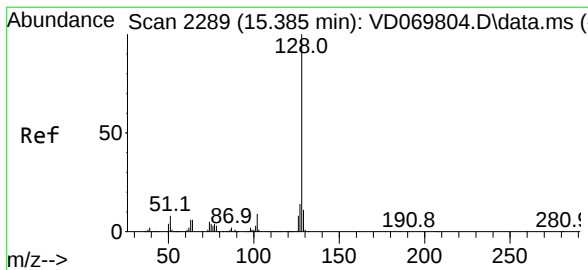
Tgt Ion: 75 Resp: 220416
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 149.064 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Tgt Ion: 75 Resp: 220416
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.4 35.8 53.6#





#95
Naphthalene
Concen: 5.026 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069917.D
Acq: 29 Jul 2021 17:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 415
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

