

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069085.D
 Acq On : 06 May 2021 19:54
 Operator : VA/SY
 Sample : M2279-01
 Misc : 7.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:12:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

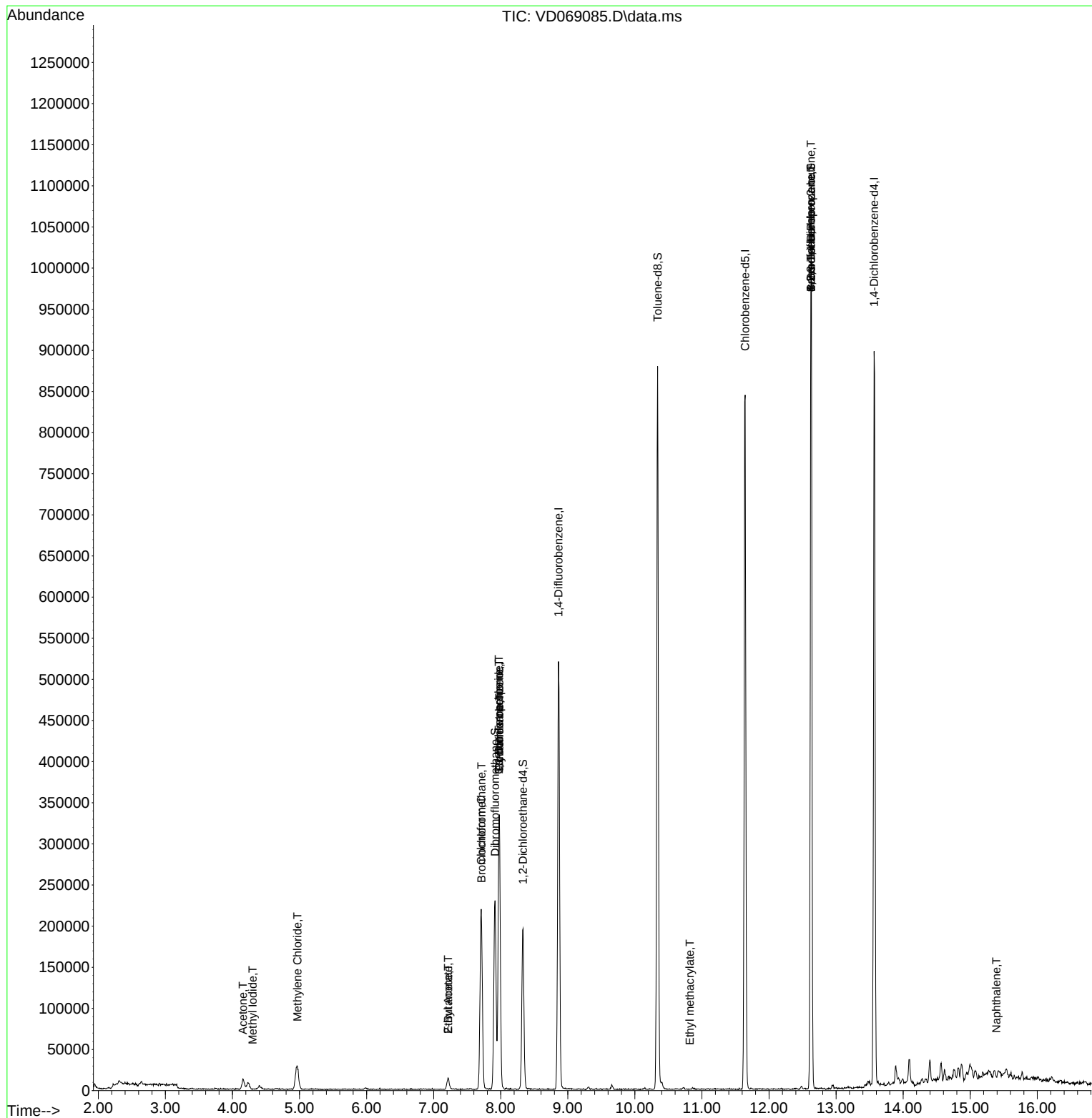
Internal Standards						
1) Pentafluorobenzene	7.979	168	245358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	457449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	501070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	237323	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154494	48.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.72%		
35) Dibromofluoromethane	7.914	113	165168	52.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.30%		
50) Toluene-d8	10.338	98	591181	51.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.10%		
62) 4-Bromofluorobenzene	12.626	95	228099	59.88	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.76%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	54	3.19	ug/l #	35
11) Tert butyl alcohol	5.238	59	115	Below Cal	#	81
16) Acetone	4.156	43	20390	23.48	ug/l #	79
20) Methylene Chloride	4.968	84	24843	1.43	ug/l #	83
25) 2-Butanone	7.214	43	18468	27.32	ug/l	93
28) Bromochloromethane	7.714	49	16242	7.70	ug/l #	11
30) Chloroform	7.709	83	211600	36.22	ug/l	98
31) Cyclohexane	7.979	56	5691	1.24	ug/l #	22
36) 1,1-Dichloropropene	7.973	75	20119	4.18	ug/l #	50
37) Ethyl Acetate	7.214	43	18468	10.18	ug/l #	69
38) Carbon Tetrachloride	7.973	117	25740	4.93	ug/l #	21
56) Ethyl methacrylate	10.820	69	66	2.39	ug/l #	15
71) Bromoform	12.626	173	2697	1.36	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	118245	57.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	118245	124.54	ug/l #	10
95) Naphthalene	15.390	128	577	2.90	ug/l #	69

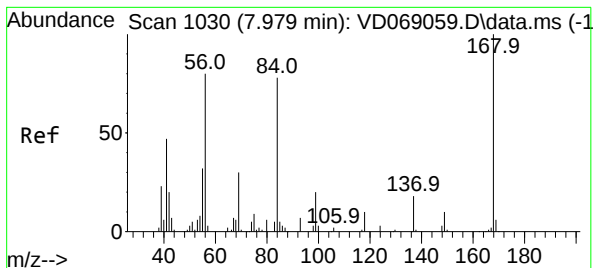
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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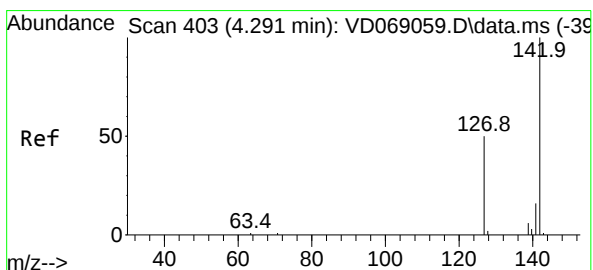
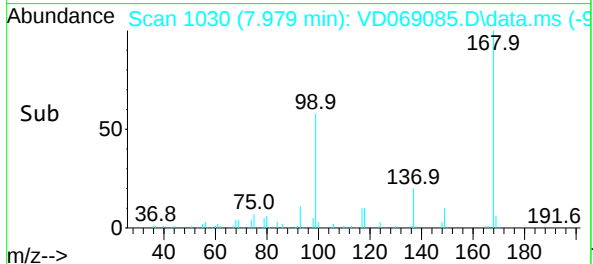
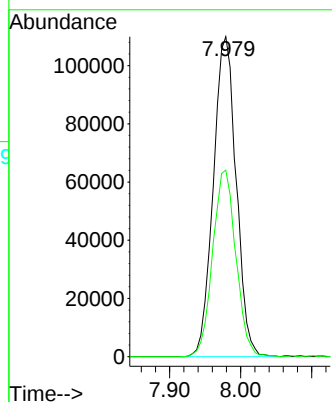
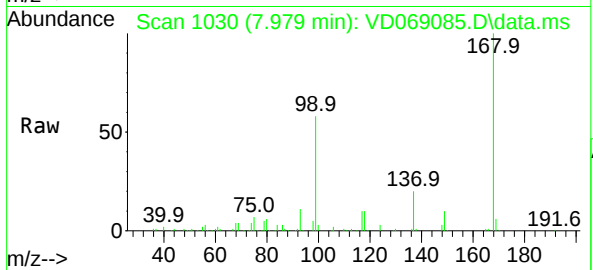




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

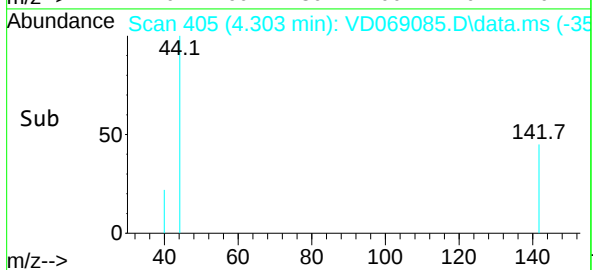
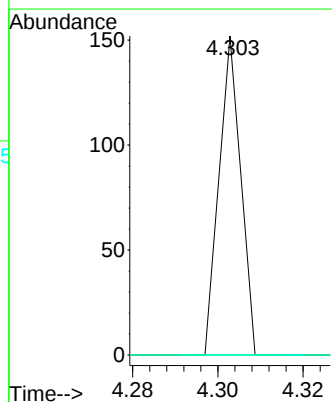
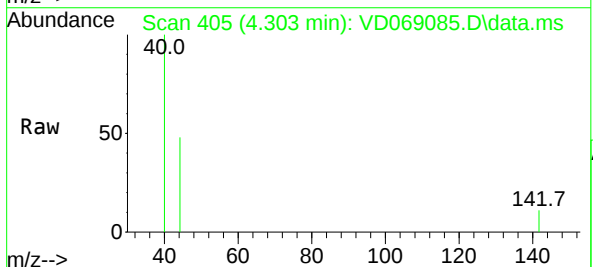
Instrument :
MSVOA_D
ClientSampled :

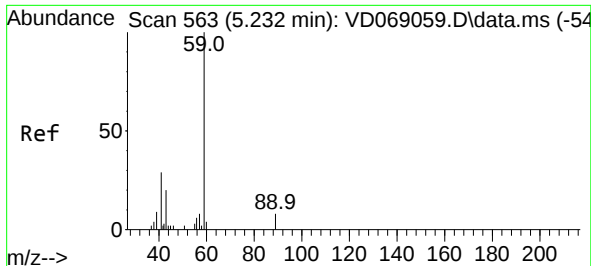
Tgt Ion:168 Resp: 245358
Ion Ratio Lower Upper
168 100
99 58.3 52.6 78.8



#10
Methyl Iodide
Concen: 3.19 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.012 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#

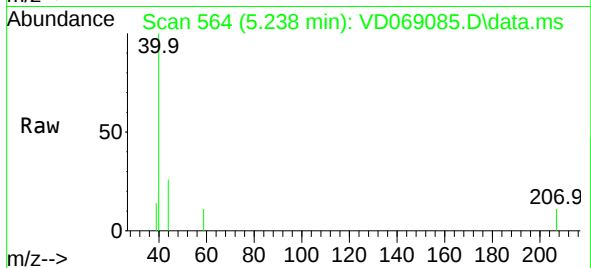




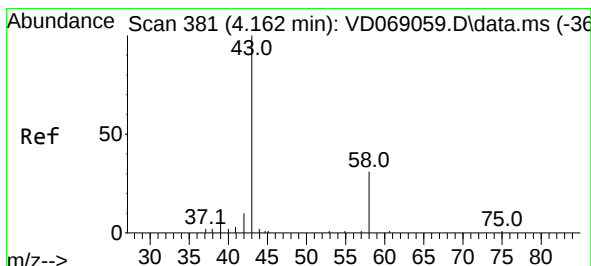
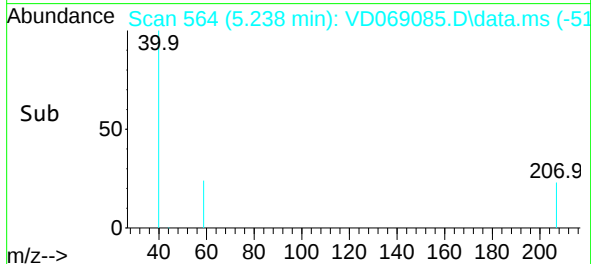
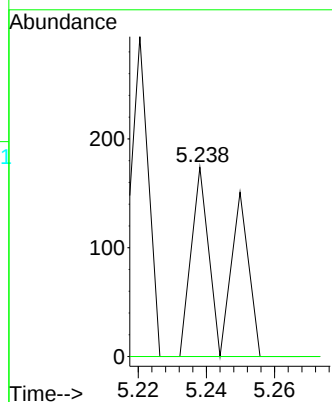
#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Instrument :
MSVOA_D
ClientSampled :



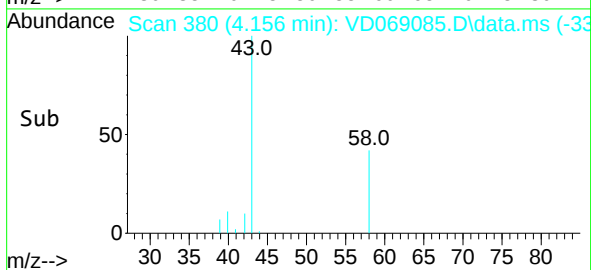
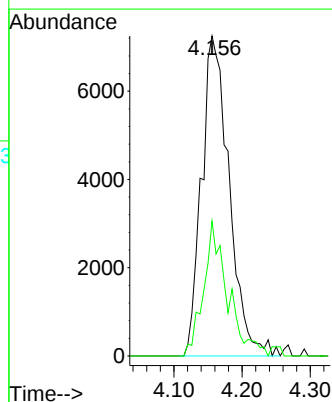
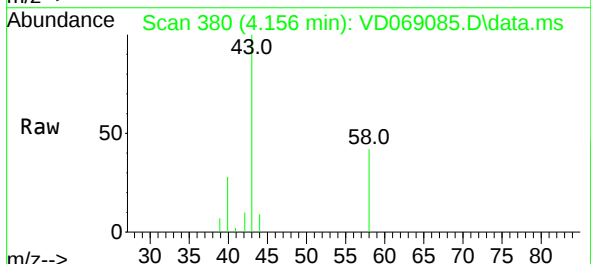
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

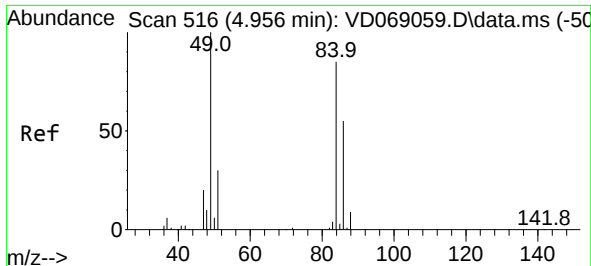


#16

Acetone
Concen: 23.48 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

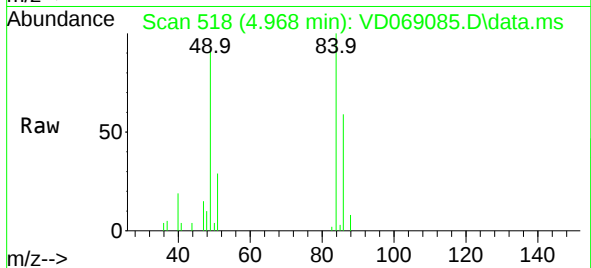
Tgt Ion: 43 Resp: 20390
Ion Ratio Lower Upper
43 100
58 42.1 24.5 36.7#



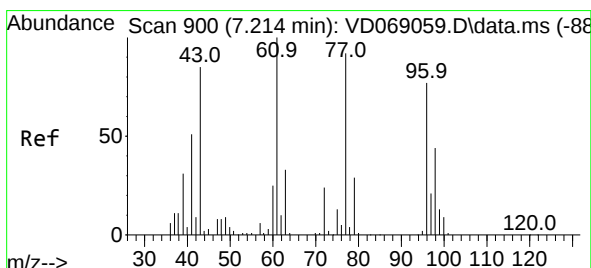
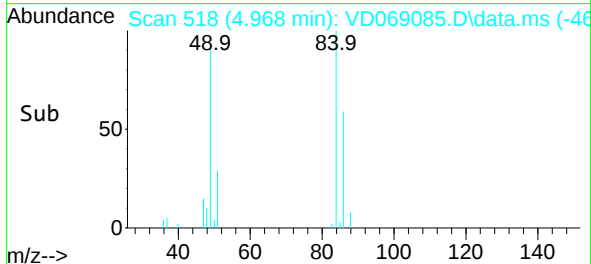
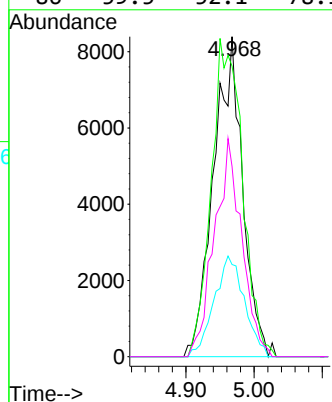


#20
Methylene Chloride
Concen: 1.43 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.012 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Instrument :
MSVOA_D
ClientSampled :

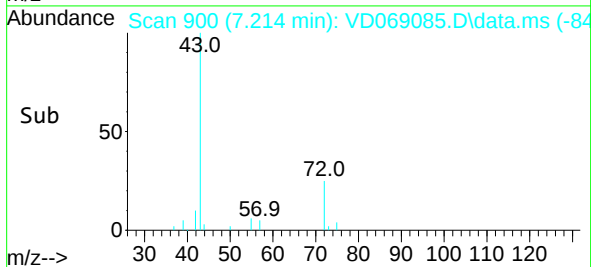
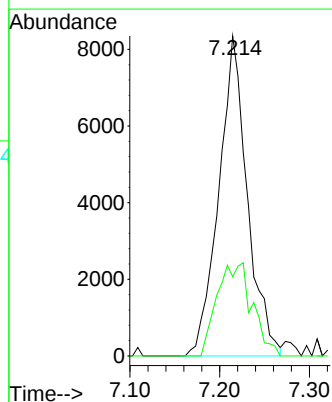
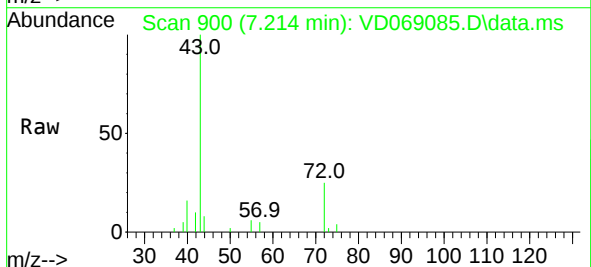


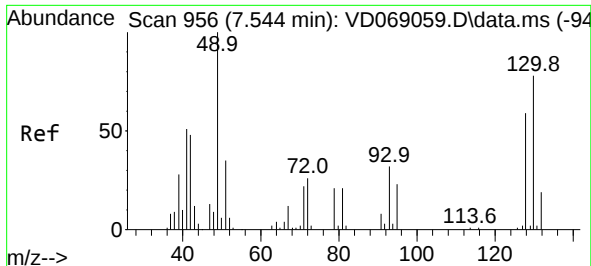
Tgt Ion:	84	Resp:	24843
Ion	Ratio	Lower	Upper
84	100		
49	90.8	93.9	140.9#
51	28.8	27.9	41.9
86	59.5	52.1	78.1



#25
2-Butanone
Concen: 27.32 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Tgt Ion:	43	Resp:	18468
Ion	Ratio	Lower	Upper
43	100		
72	24.7	23.0	34.4

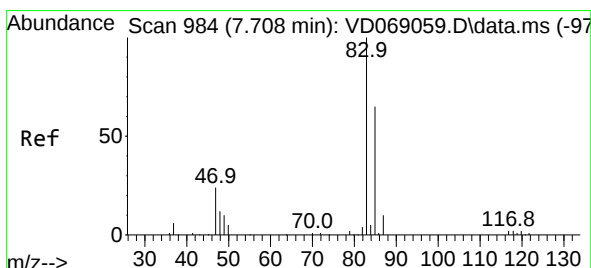
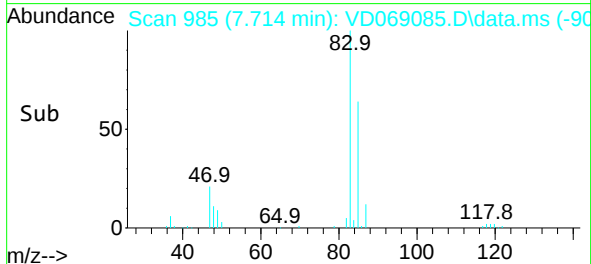
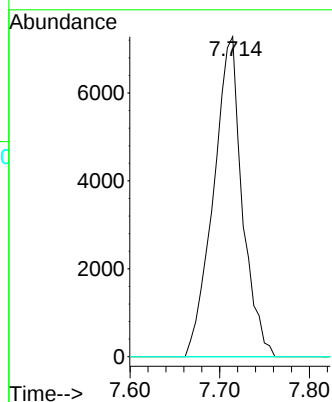
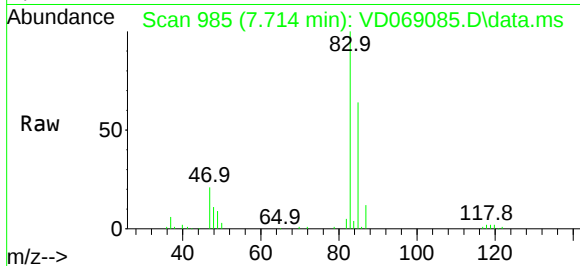




#28
Bromochloromethane
Concen: 7.70 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.171 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

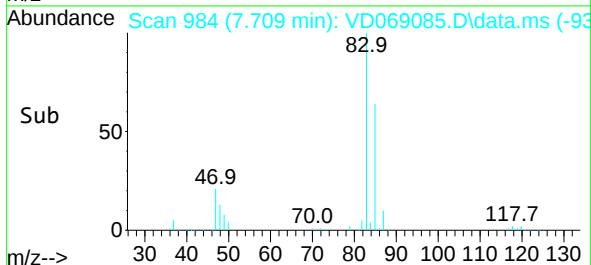
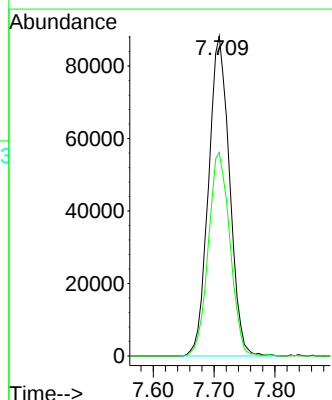
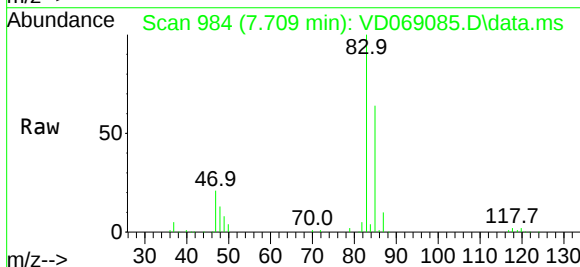
Instrument :
MSVOA_D
ClientSampleId :

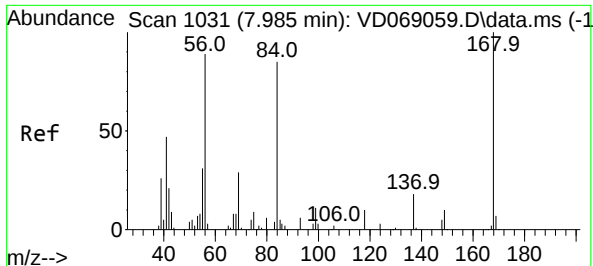
Tgt Ion: 49 Resp: 16242
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#



#30
Chloroform
Concen: 36.22 ug/l
RT: 7.709 min Scan# 984
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Tgt Ion: 83 Resp: 211600
Ion Ratio Lower Upper
83 100
85 63.6 52.4 78.6





#31

Cyclohexane

Concen: 1.24 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069085.D

Acq: 06 May 2021 19:54

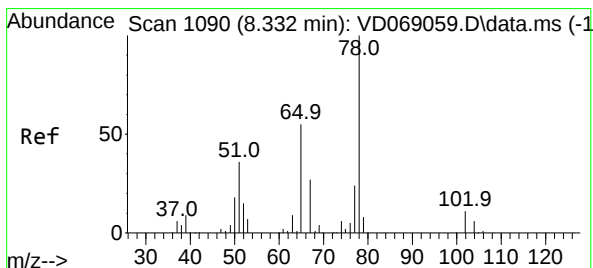
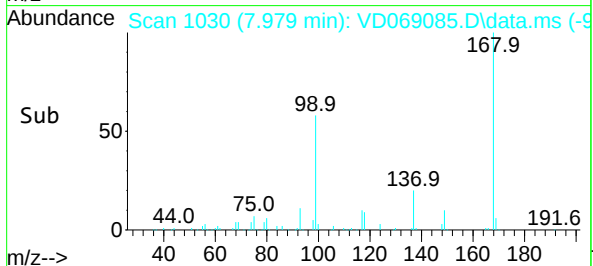
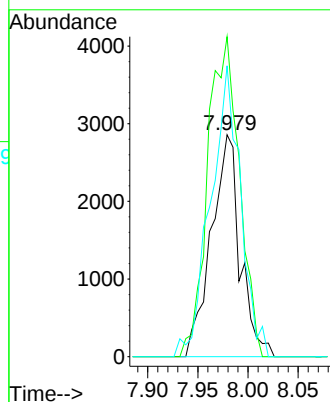
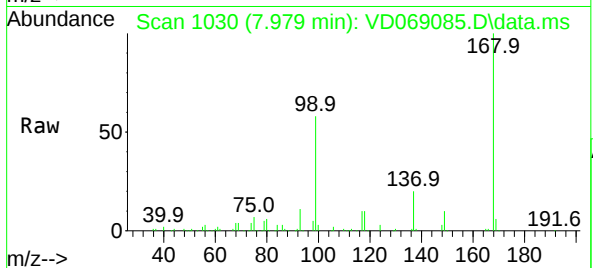
Tgt Ion: 56 Resp: 5691

Ion Ratio Lower Upper

56 100

69 144.2 26.3 39.5#

84 131.1 75.9 113.9#



#33

1,2-Dichloroethane-d4

Concen: 48.86 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD069085.D

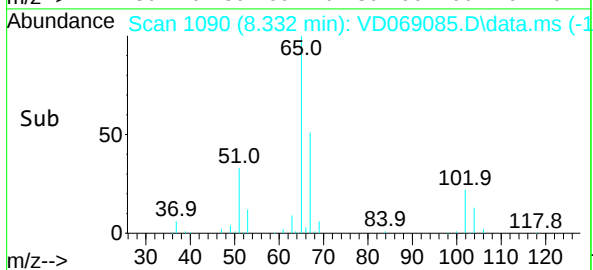
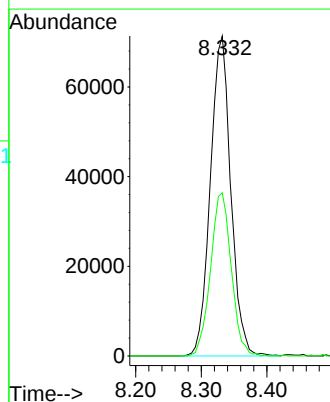
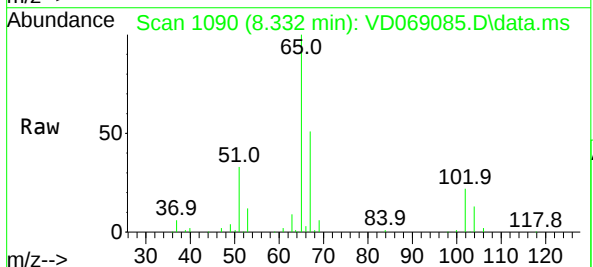
Acq: 06 May 2021 19:54

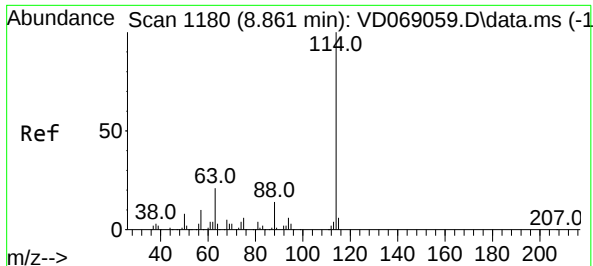
Tgt Ion: 65 Resp: 154494

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

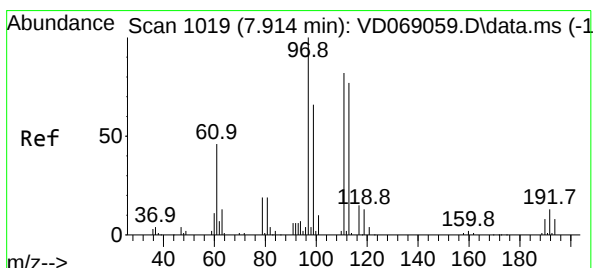
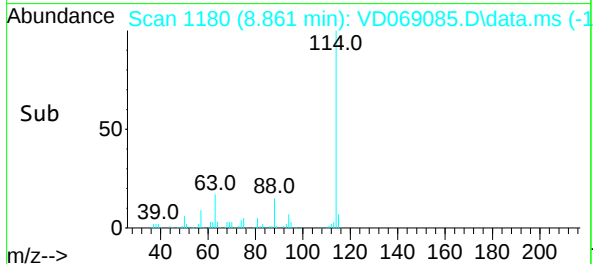
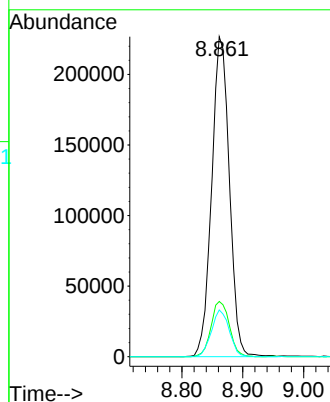
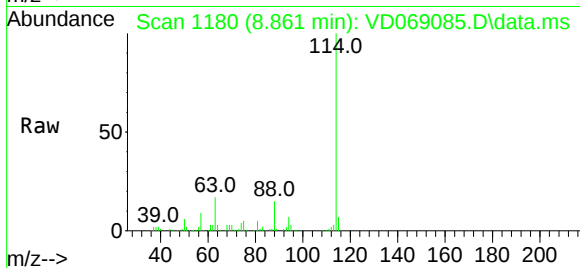
Delta R.T. 0.000 min

Lab File: VD069085.D

Acq: 06 May 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	114	Resp:	457449
Ion Ratio	Lower	Upper	
114	100		
63	17.2	0.0	41.4
88	14.6	0.0	27.8



#35

Dibromofluoromethane

Concen: 52.65 ug/l

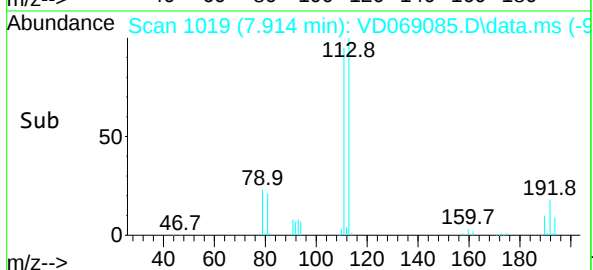
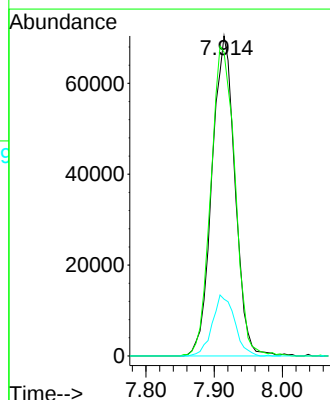
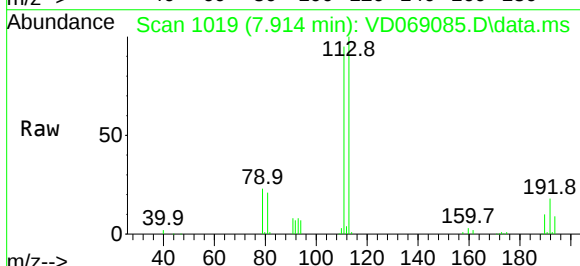
RT: 7.914 min Scan# 1019

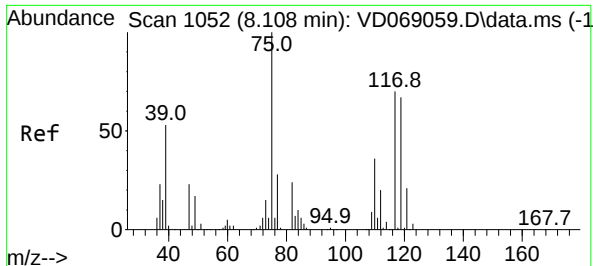
Delta R.T. 0.000 min

Lab File: VD069085.D

Acq: 06 May 2021 19:54

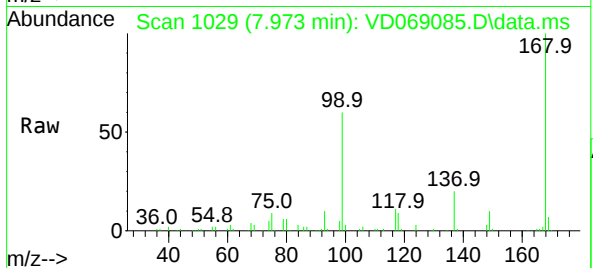
Tgt Ion:	113	Resp:	165168
Ion Ratio	Lower	Upper	
113	100		
111	101.9	84.6	126.8
192	18.5	13.5	20.3



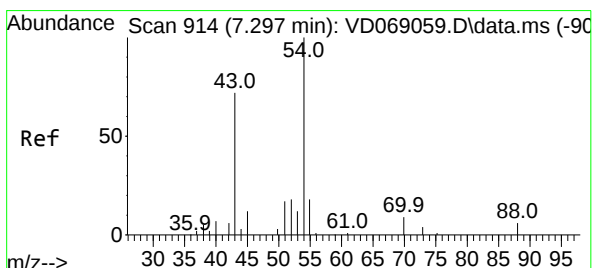
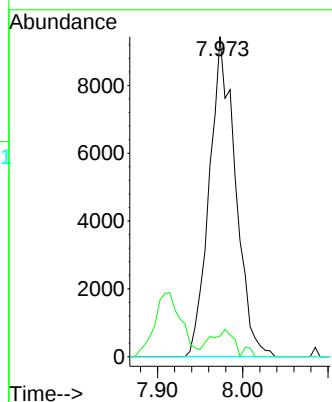
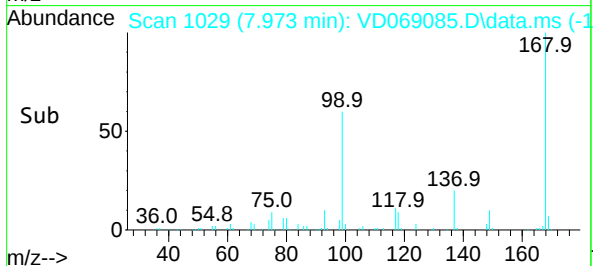


#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

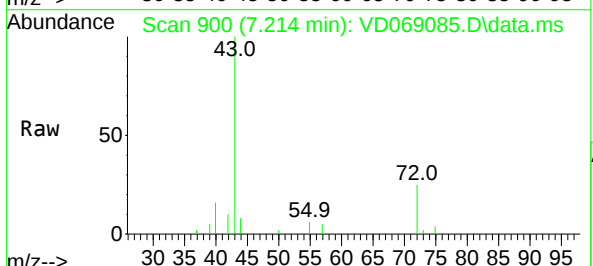
Instrument :
MSVOA_D
ClientSampled :



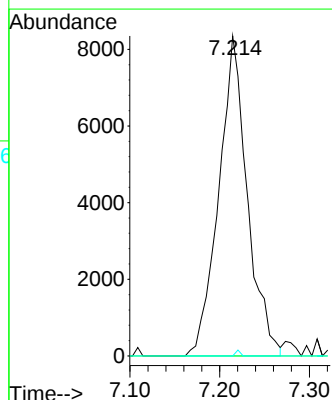
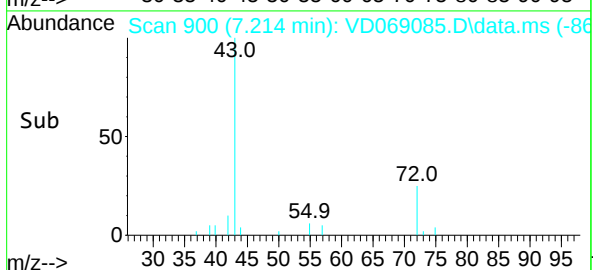
Tgt Ion: 75 Resp: 20119
Ion Ratio Lower Upper
75 100
110 8.2 17.3 51.7#
77 0.0 23.9 35.9#

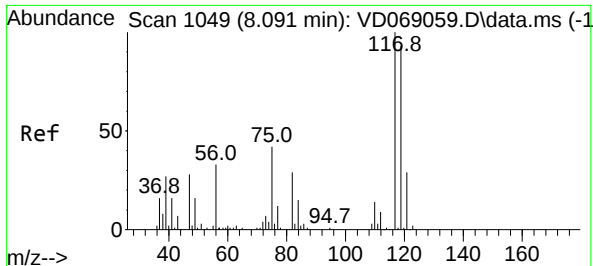


#37
Ethyl Acetate
Concen: 10.18 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.082 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54



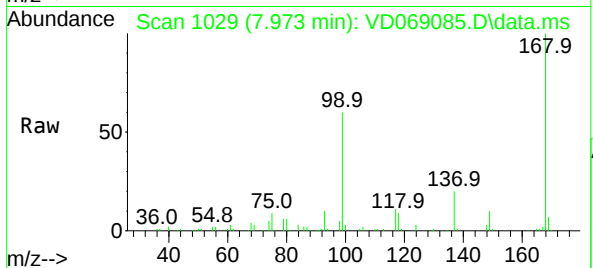
Tgt Ion: 43 Resp: 18468
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.3 8.5 12.7#



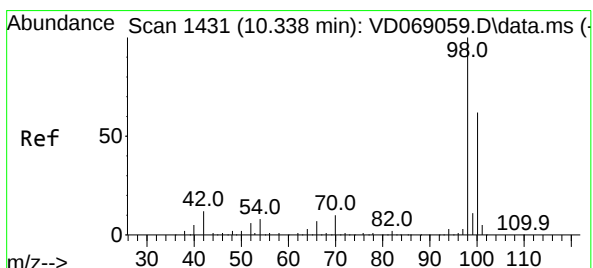
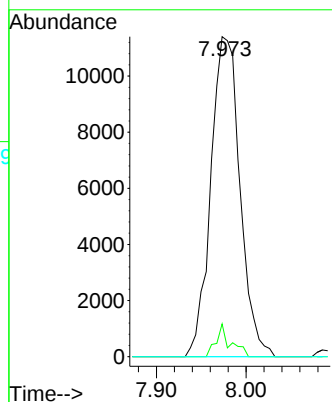
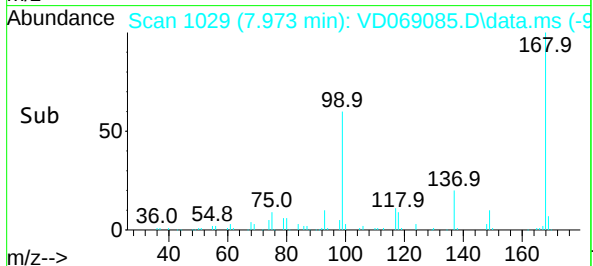


#38
Carbon Tetrachloride
Concen: 4.93 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

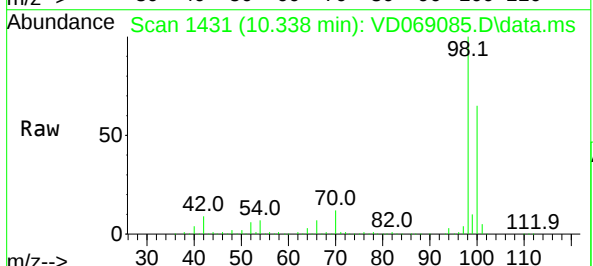
Instrument :
MSVOA_D
ClientSampleId :



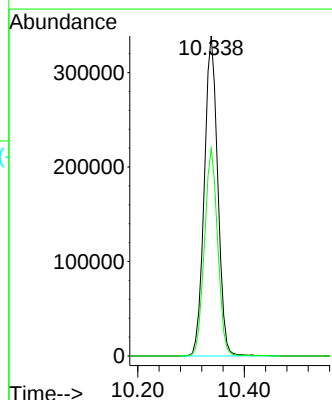
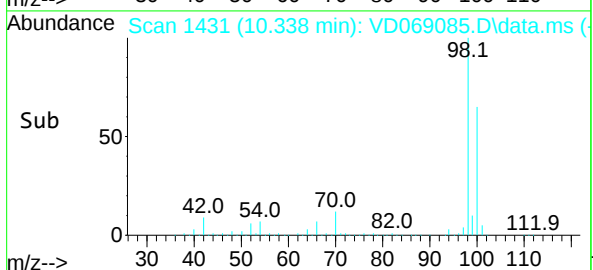
Tgt Ion:117 Resp: 25740
Ion Ratio Lower Upper
117 100
119 10.2 74.7 112.1#
121 0.0 23.1 34.7#

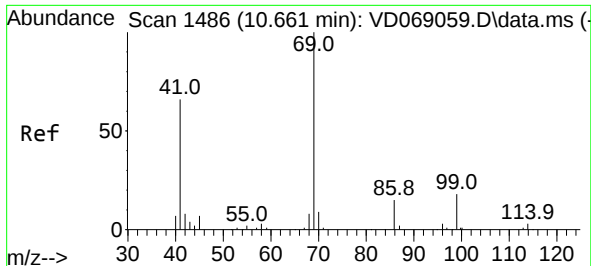


#50
Toluene-d8
Concen: 51.05 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54



Tgt Ion: 98 Resp: 591181
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

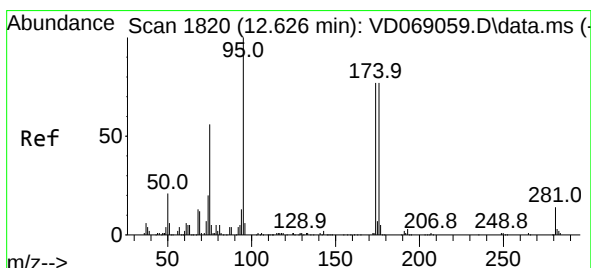
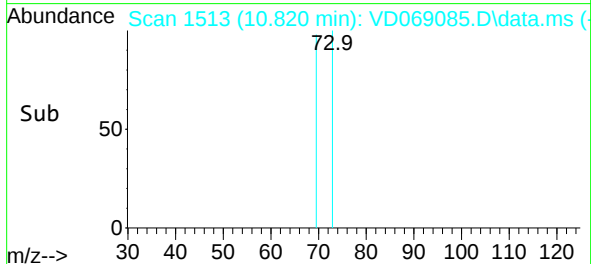
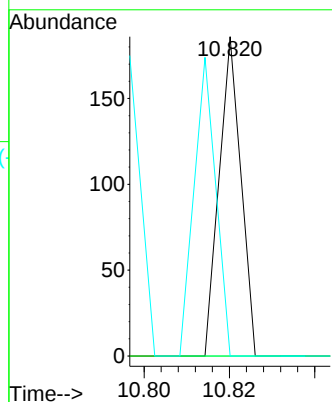
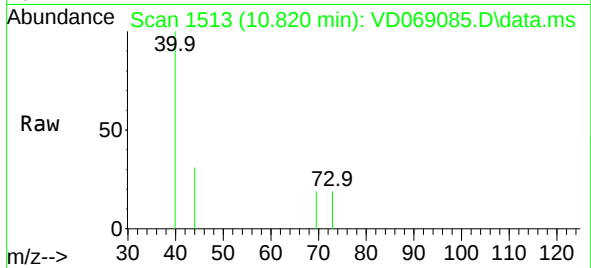




#56
Ethyl methacrylate
Concen: 2.39 ug/l
RT: 10.820 min Scan# 1513
Delta R.T. 0.159 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

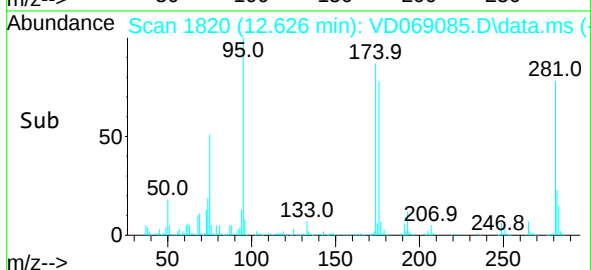
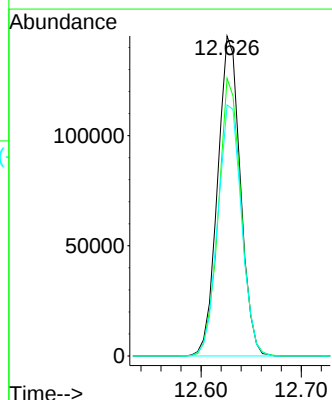
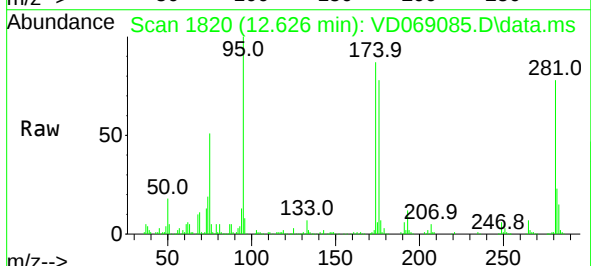
Instrument :
MSVOA_D
ClientSampled :

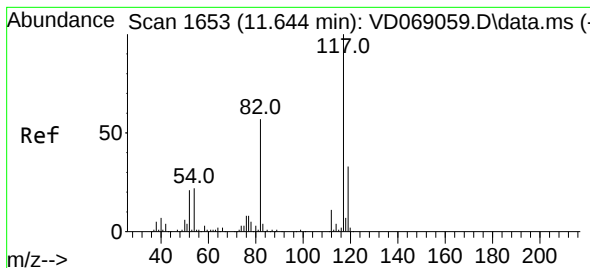
Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 92.4 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 59.88 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Tgt Ion: 95 Resp: 228099
Ion Ratio Lower Upper
95 100
174 86.1 0.0 156.0
176 82.1 0.0 149.4

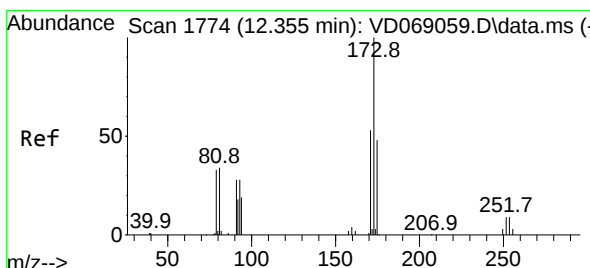
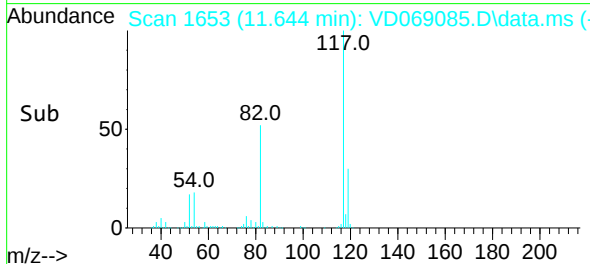
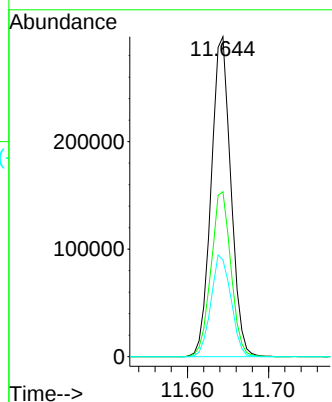
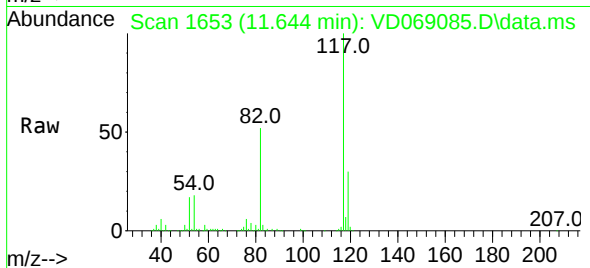




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

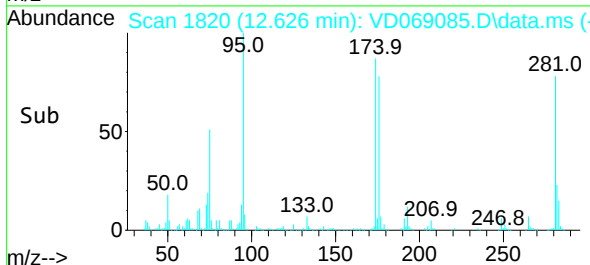
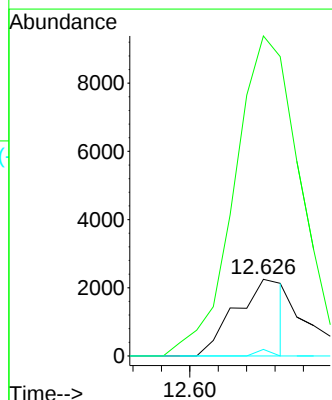
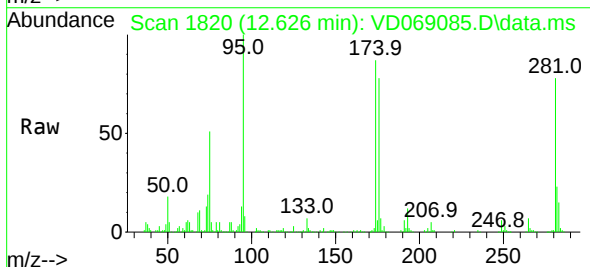
Instrument :
MSVOA_D
ClientSampleId :

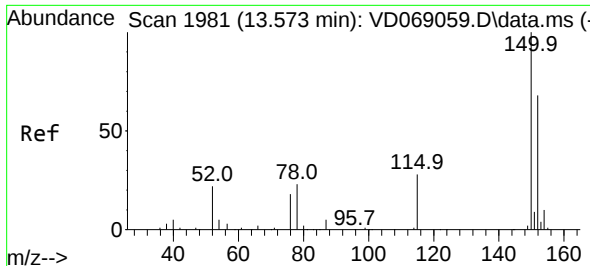
Tgt Ion:117 Resp: 501070
Ion Ratio Lower Upper
117 100
82 51.5 45.4 68.2
119 30.3 26.8 40.2



#71
Bromoform
Concen: 1.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

Tgt Ion:173 Resp: 2697
Ion Ratio Lower Upper
173 100
175 425.9 23.8 71.4#
254 2.5 0.0 0.0#

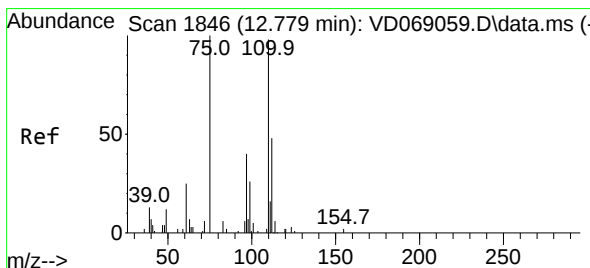
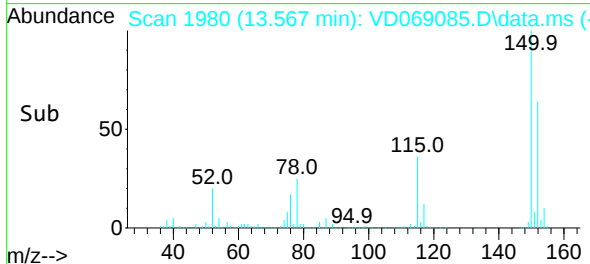
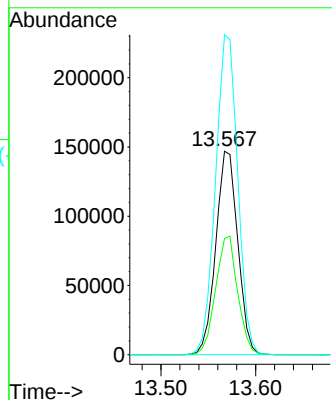
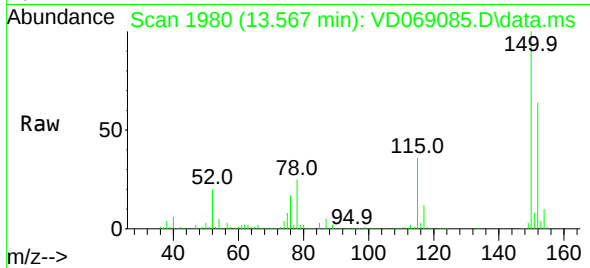




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD069085.D
 Acq: 06 May 2021 19:54

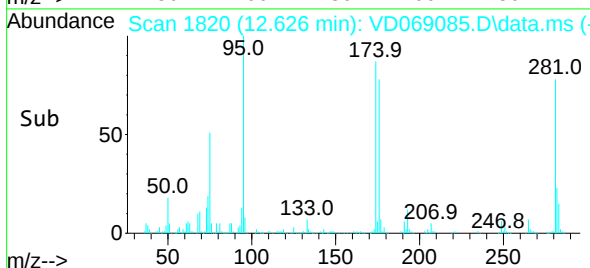
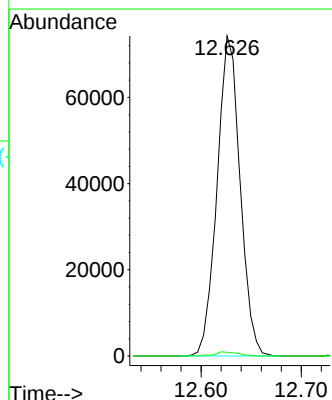
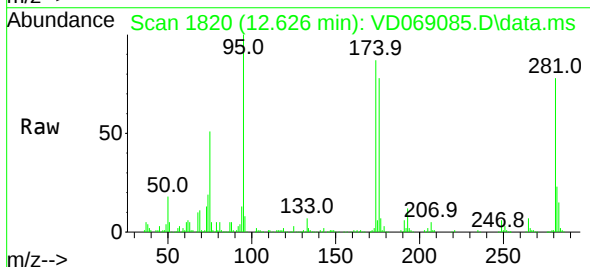
Instrument :
 MSVOA_D
 ClientSampled :

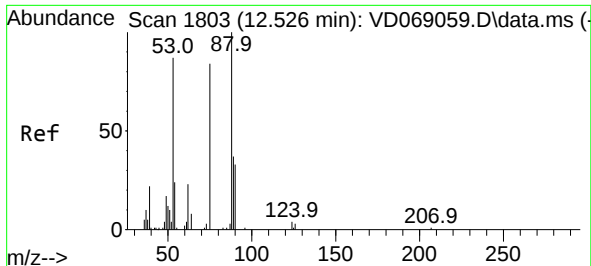
Tgt Ion:152 Resp: 237323
 Ion Ratio Lower Upper
 152 100
 115 58.4 30.5 91.5
 150 159.0 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 57.23 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069085.D
 Acq: 06 May 2021 19:54

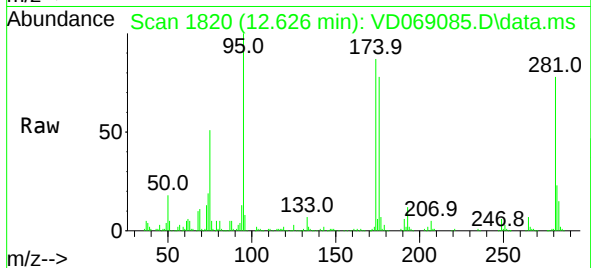
Tgt Ion: 75 Resp: 118245
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



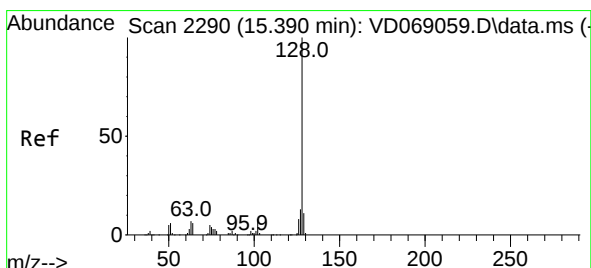
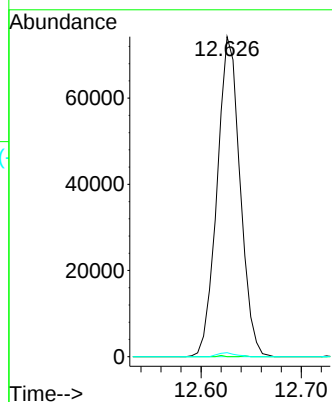
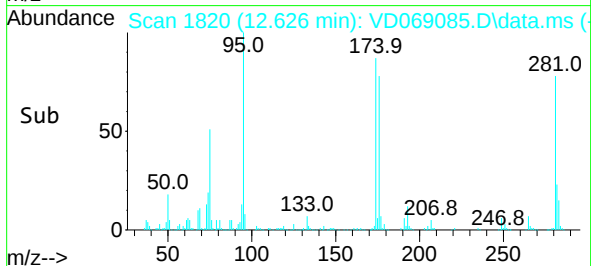


#81
trans-1,4-Dichloro-2-butene
Concen: 124.54 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54

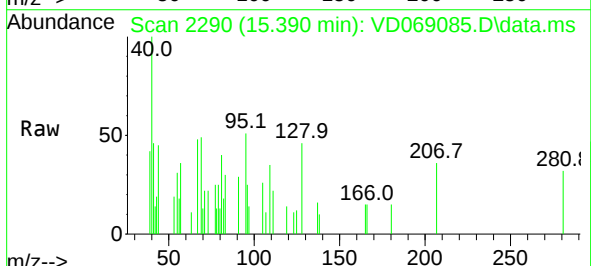
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 118245
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 1.0 37.8 56.8#



#95
Naphthalene
Concen: 2.90 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069085.D
Acq: 06 May 2021 19:54



Tgt Ion: 128 Resp: 577
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

