

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069110.D
 Acq On : 07 May 2021 18:50
 Operator : VA/SY
 Sample : M2310-01
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-SP1

Quant Time: May 08 00:10:00 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	7.973	168	16599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	29446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	31702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	14285	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	16367	76.51	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.02%
35) Dibromofluoromethane	7.914	113	13104	64.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	129.78%
50) Toluene-d8	10.338	98	38475	51.61	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.22%
62) 4-Bromofluorobenzene	12.626	95	12563	51.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.46%

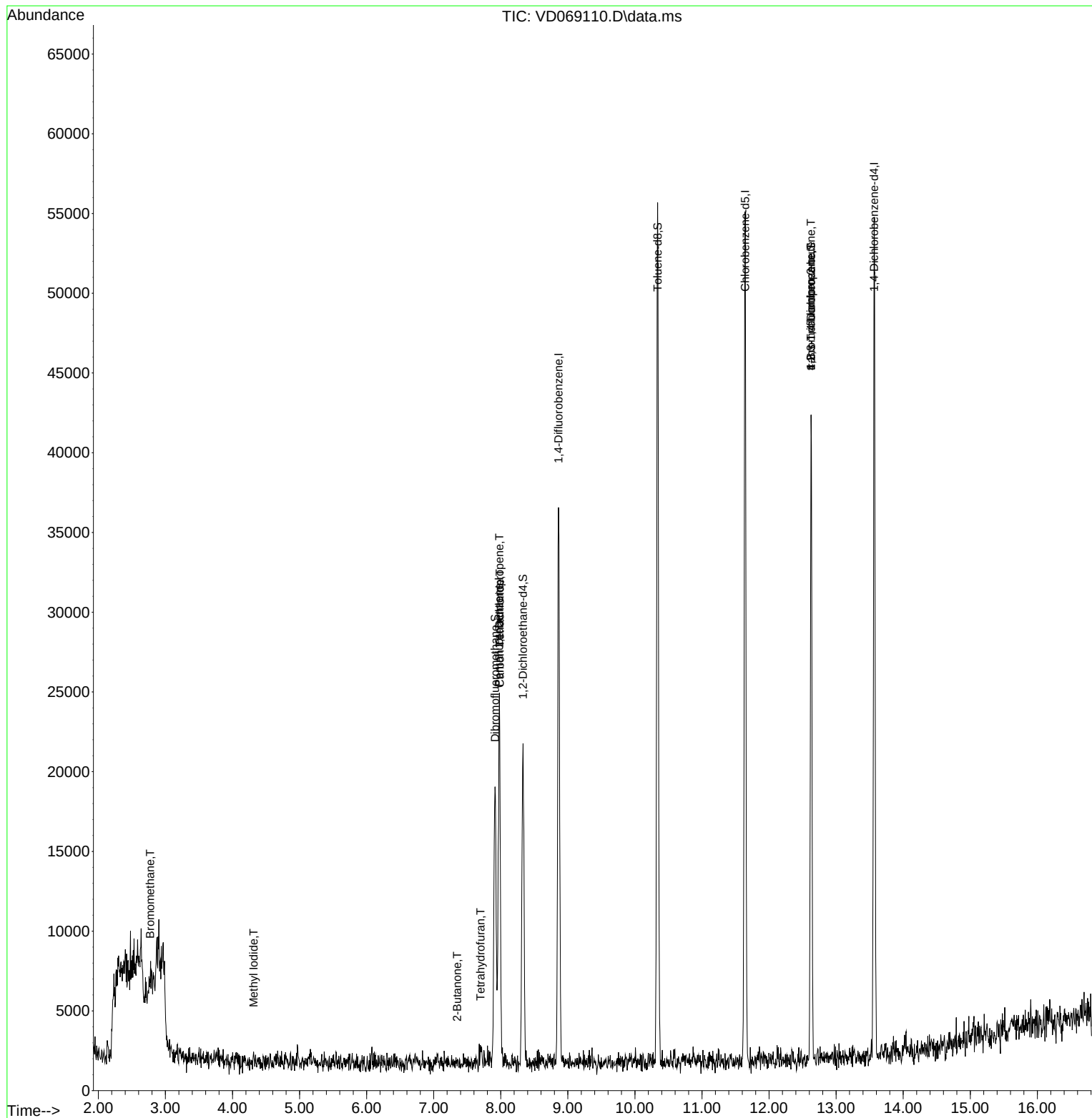
Target Compounds						Qvalue
5) Bromomethane	2.773	94	539	2.76	ug/l	99
10) Methyl Iodide	4.314	142	147	3.96	ug/l #	35
16) Acetone	4.156	43	58	Below Cal	#	44
20) Methylene Chloride	4.973	84	488	Below Cal	#	72
25) 2-Butanone	7.350	43	55	1.20	ug/l #	46
29) Tetrahydrofuran	7.697	42	61	2.17	ug/l #	28
36) 1,1-Dichloropropene	7.979	75	1478	4.77	ug/l #	42
38) Carbon Tetrachloride	7.985	117	2124	6.32	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	6986	56.18	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	6986	122.24	ug/l #	9

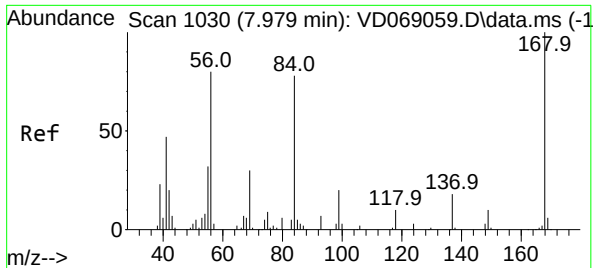
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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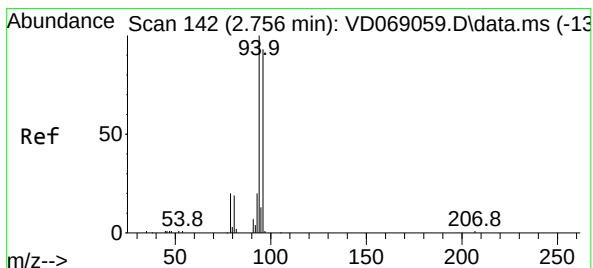
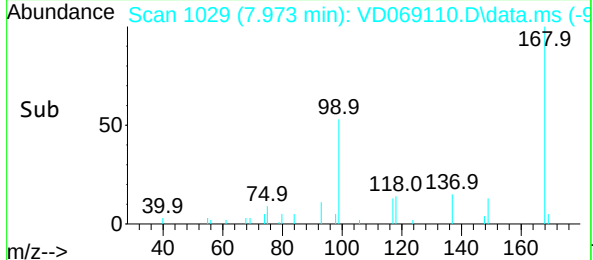
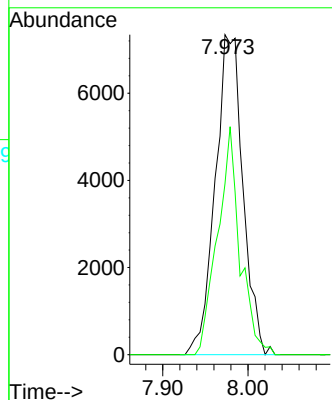
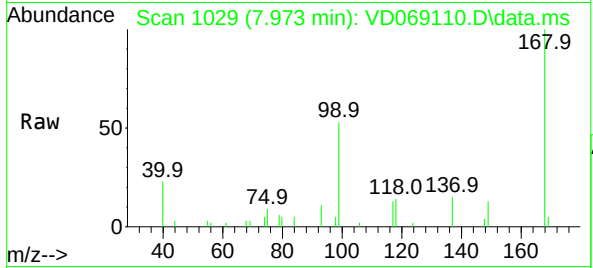




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

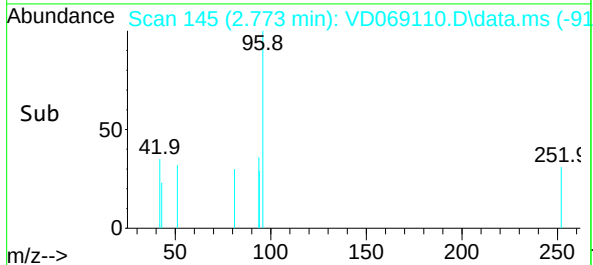
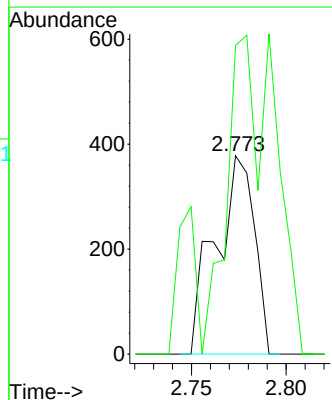
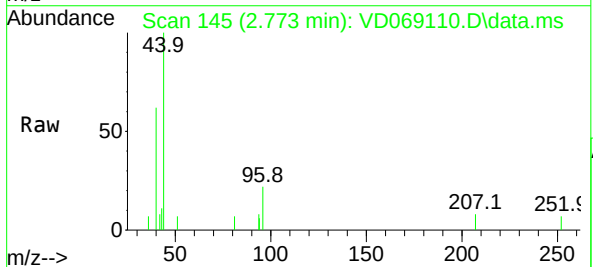
Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

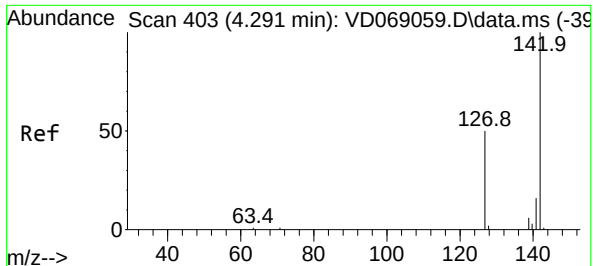
Tgt Ion:168 Resp: 16599
Ion Ratio Lower Upper
168 100
99 53.5 52.6 78.8



#5
Bromomethane
Concen: 2.76 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.017 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 91.5 74.3 111.5

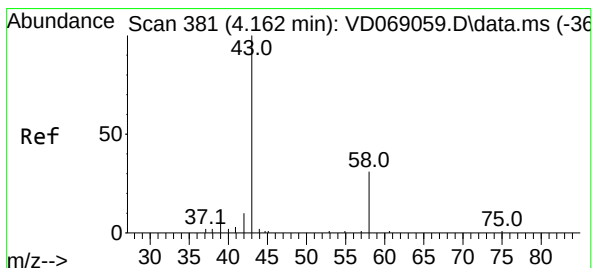
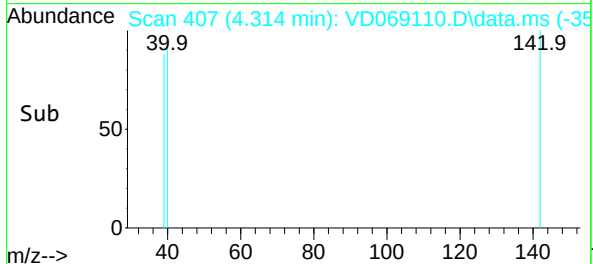
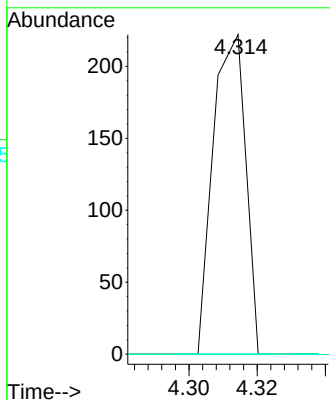
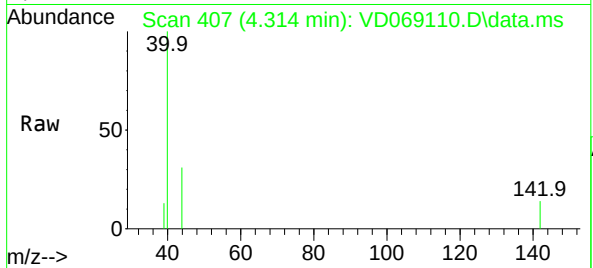




#10
Methyl Iodide
Concen: 3.96 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.023 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

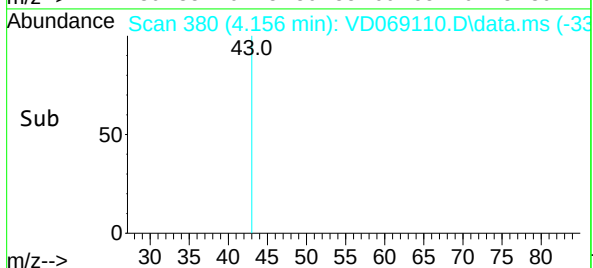
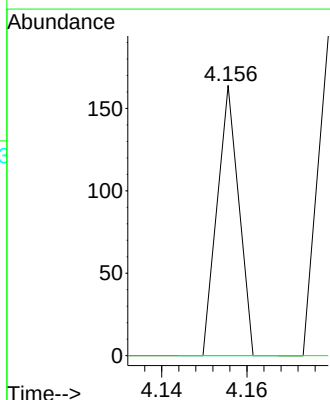
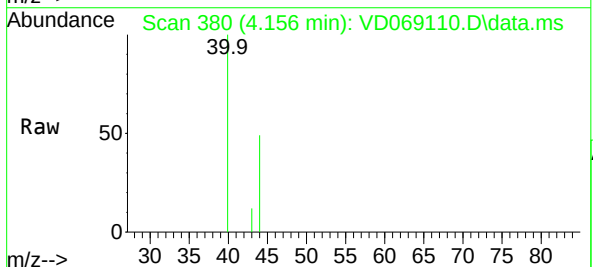
Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

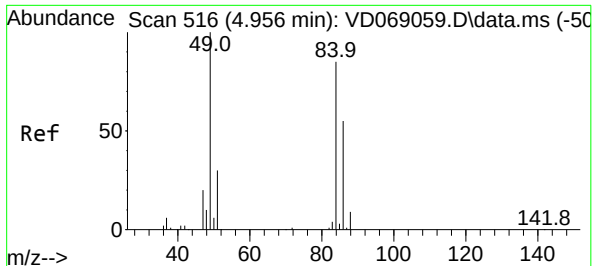
Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.017 min

Lab File: VD069110.D

Acq: 07 May 2021 18:50

Instrument :

MSVOA_D

ClientSampleId :

BS-SP1

Tgt Ion: 84 Resp: 488

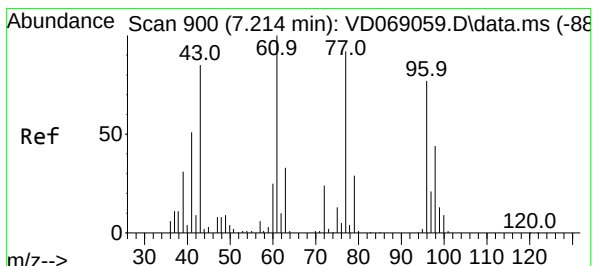
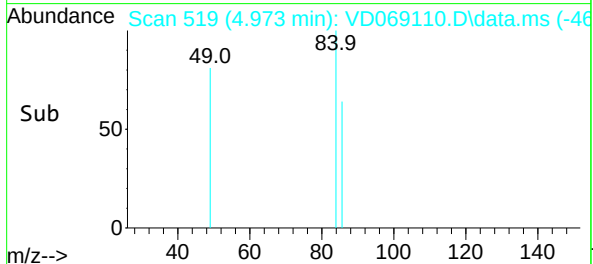
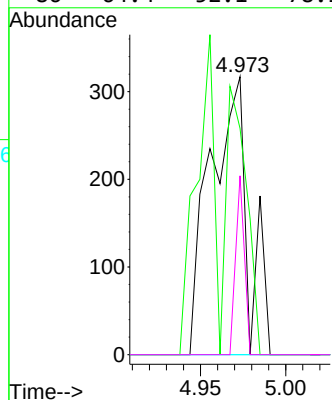
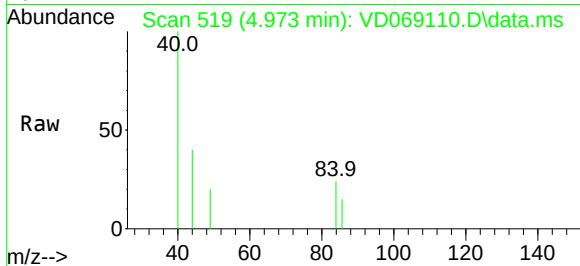
Ion Ratio Lower Upper

84 100

49 81.4 93.9 140.9#

51 0.0 27.9 41.9#

86 64.4 52.1 78.1



#25

2-Butanone

Concen: 1.20 ug/l

RT: 7.350 min Scan# 923

Delta R.T. 0.135 min

Lab File: VD069110.D

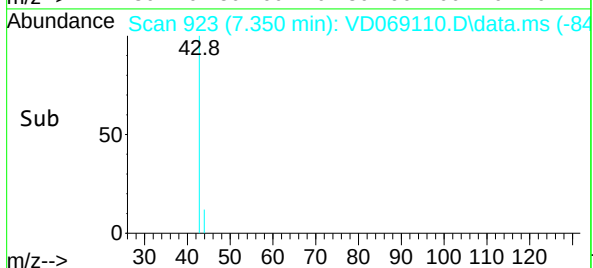
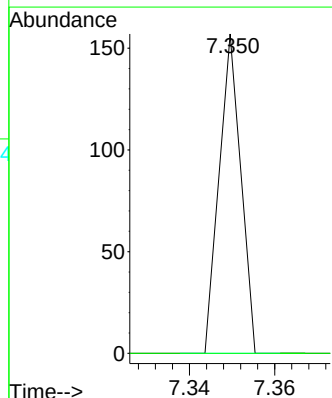
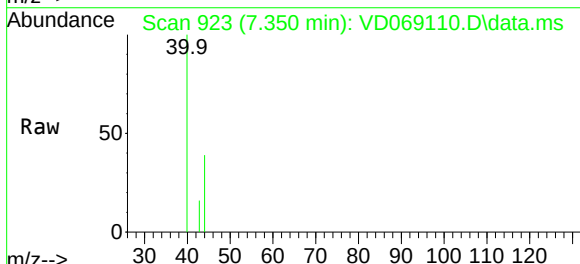
Acq: 07 May 2021 18:50

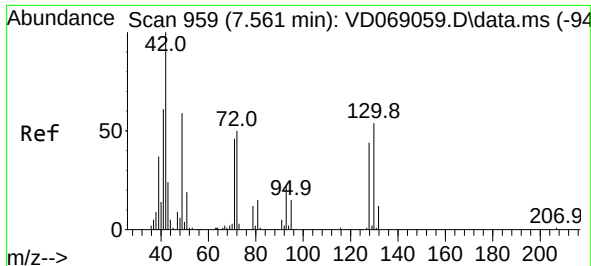
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

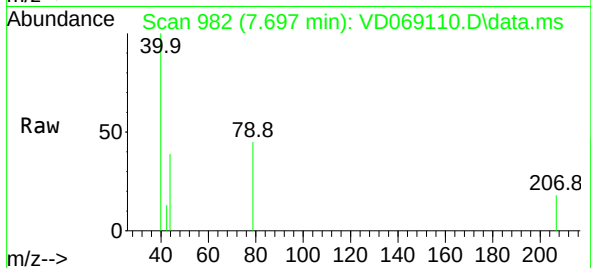
72 0.0 23.0 34.4#



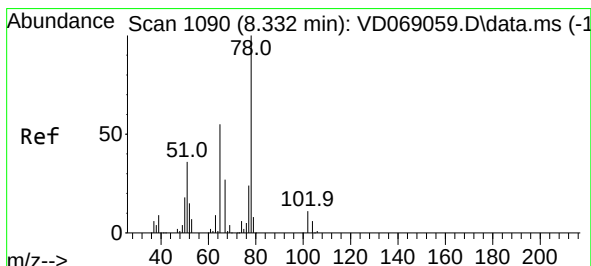
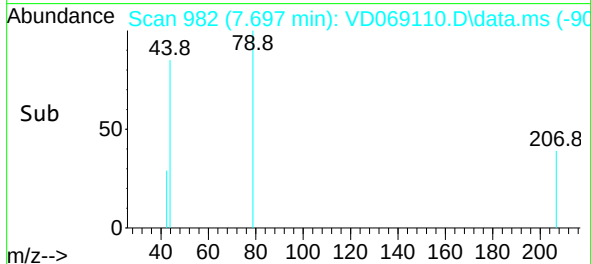
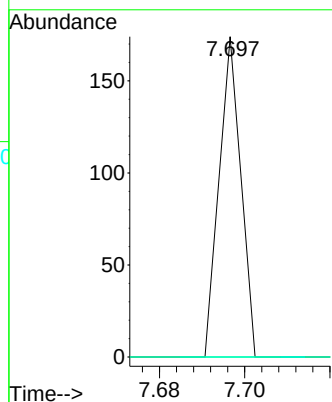


#29
Tetrahydrofuran
Concen: 2.17 ug/l
RT: 7.697 min Scan# 982
Delta R.T. 0.135 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

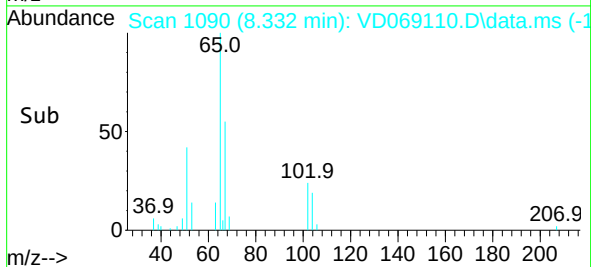
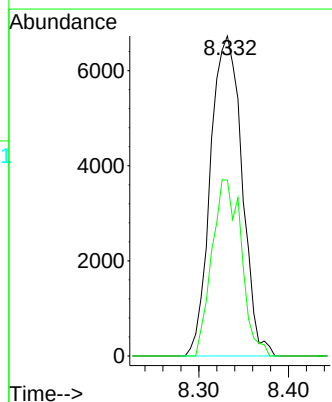
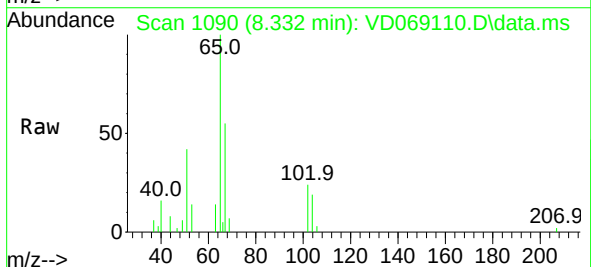


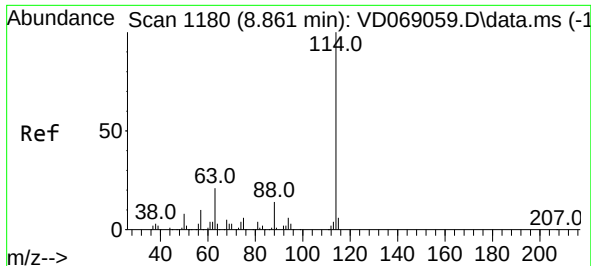
Tgt Ion: 42 Resp: 61
Ion Ratio Lower Upper
42 100
72 0.0 39.4 59.0#
71 0.0 38.4 57.6#



#33
1,2-Dichloroethane-d4
Concen: 76.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 65 Resp: 16367
Ion Ratio Lower Upper
65 100
67 51.4 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: VD069110.D

Acq: 07 May 2021 18:50

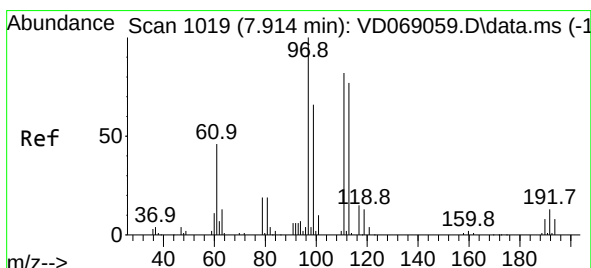
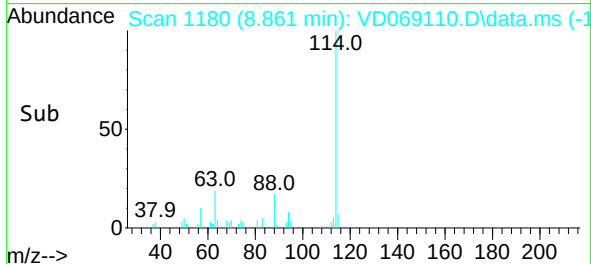
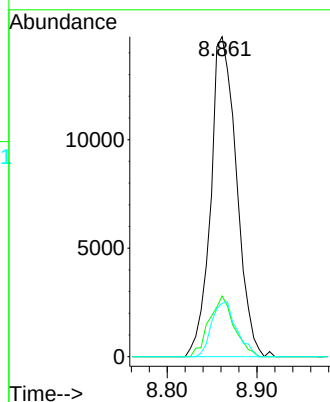
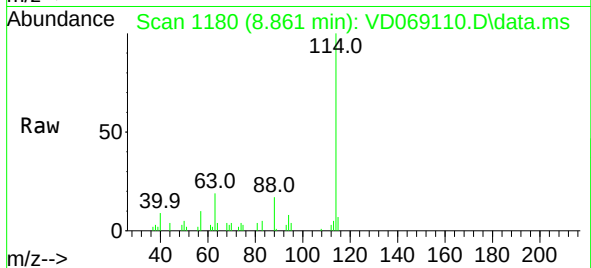
Instrument :

MSVOA_D

ClientSampleId :

BS-SP1

Tgt Ion:114	Resp:	29446
Ion Ratio	Lower	Upper
114	100	
63	19.0	0.0 41.4
88	16.7	0.0 27.8



#35

Dibromofluoromethane

Concen: 64.89 ug/l

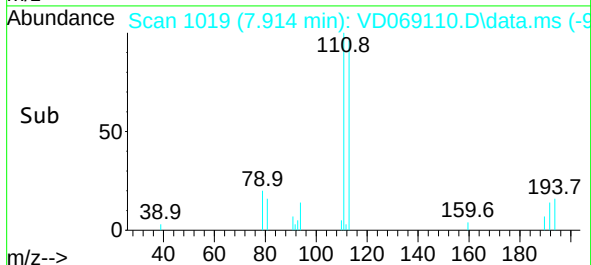
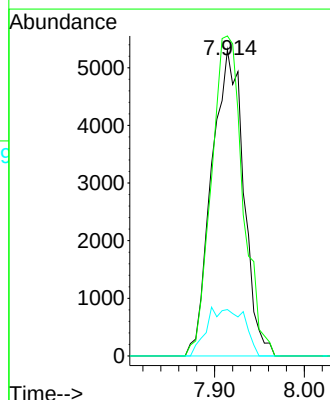
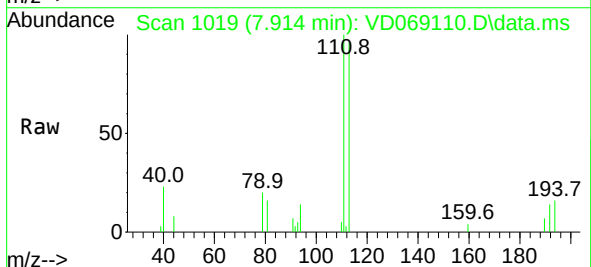
RT: 7.914 min Scan# 1019

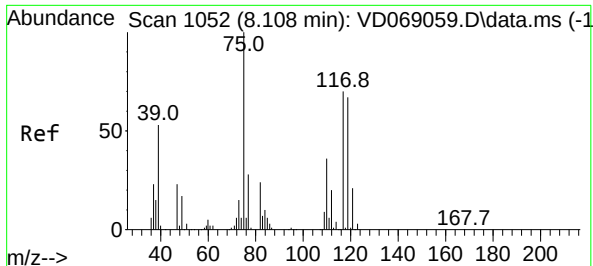
Delta R.T. -0.000 min

Lab File: VD069110.D

Acq: 07 May 2021 18:50

Tgt Ion:113	Resp:	13104
Ion Ratio	Lower	Upper
113	100	
111	103.6	84.6 126.8
192	18.4	13.5 20.3

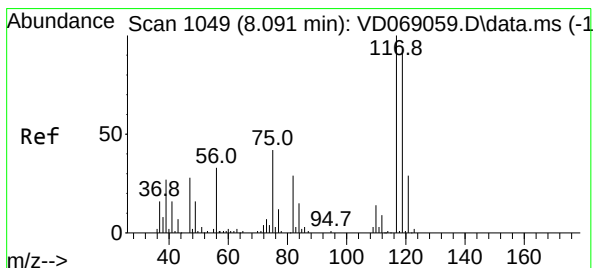
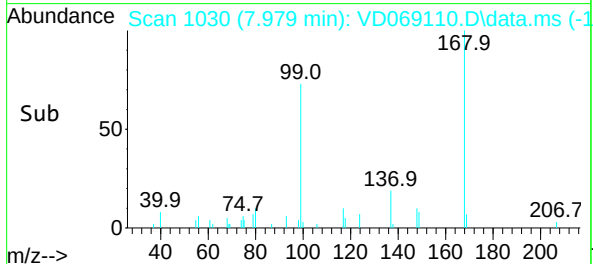
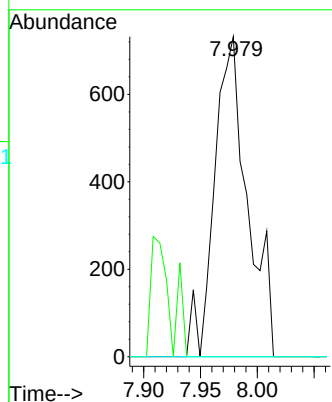
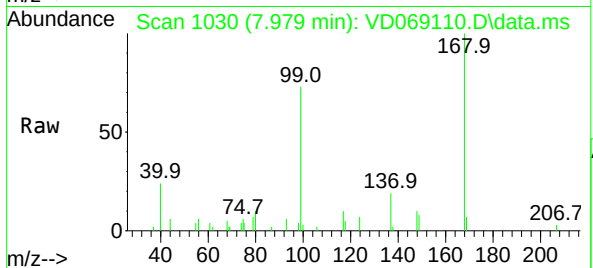




#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

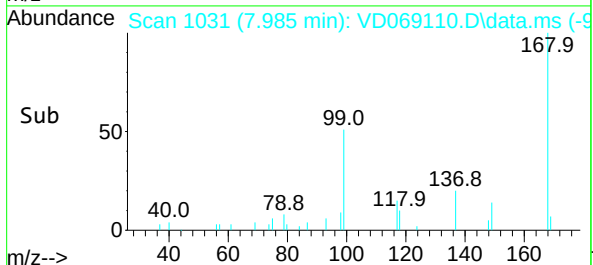
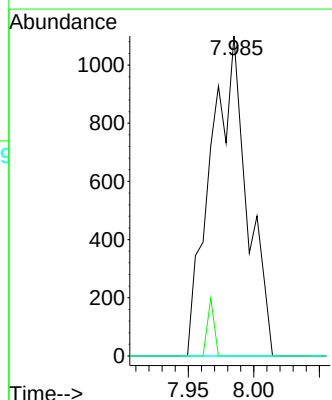
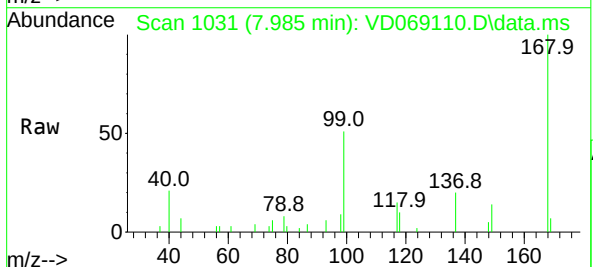
Instrument :
MSVOA_D
ClientSampled :
BS-SP1

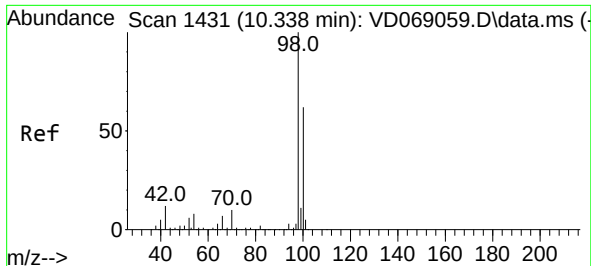
Tgt Ion: 75 Resp: 1478
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 117 Resp: 2124
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 23.1 34.7#

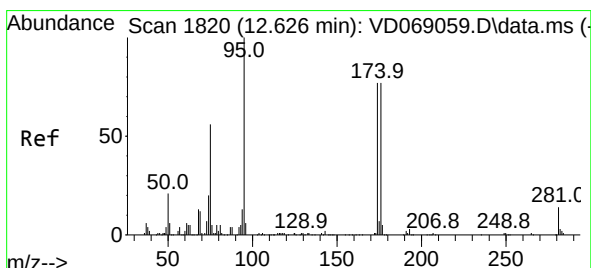
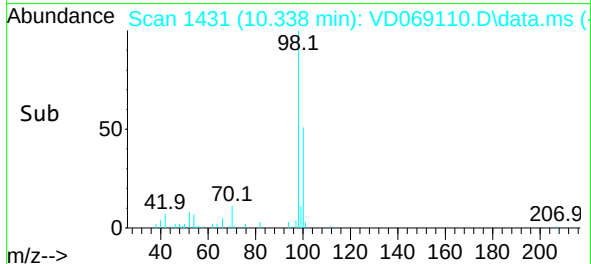
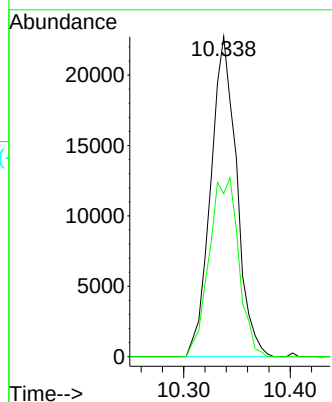
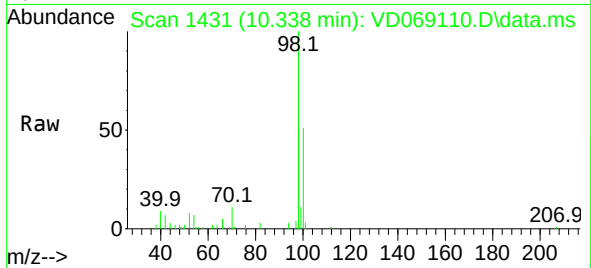




#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

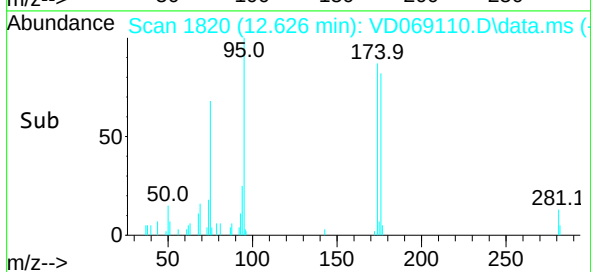
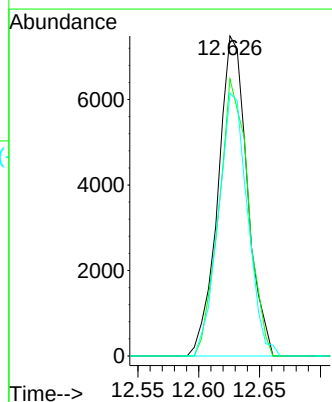
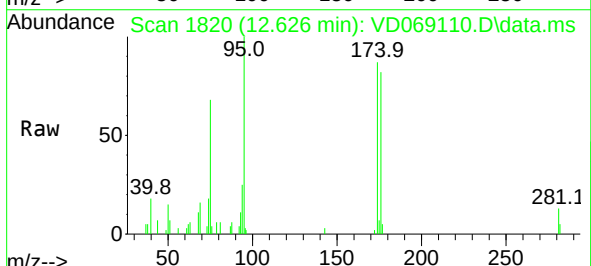
Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

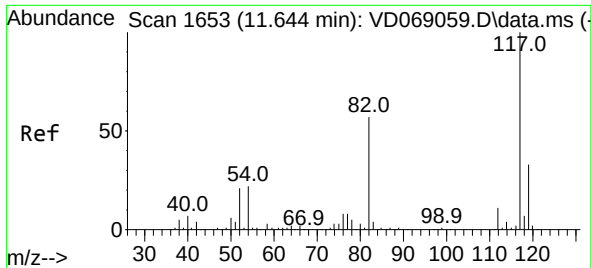
Tgt Ion: 98 Resp: 38475
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 51.23 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 95 Resp: 12563
Ion Ratio Lower Upper
95 100
174 86.5 0.0 156.0
176 81.6 0.0 149.4

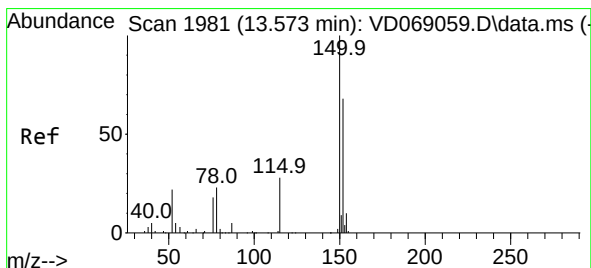
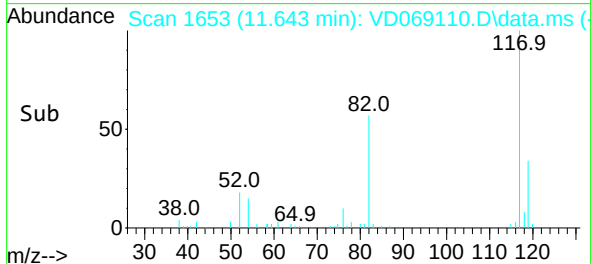
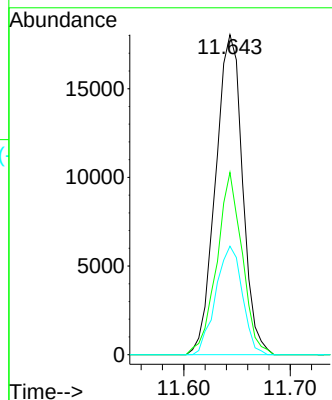
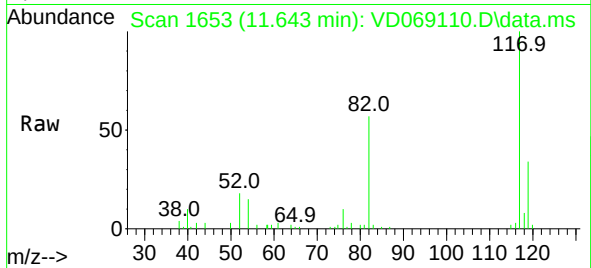




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

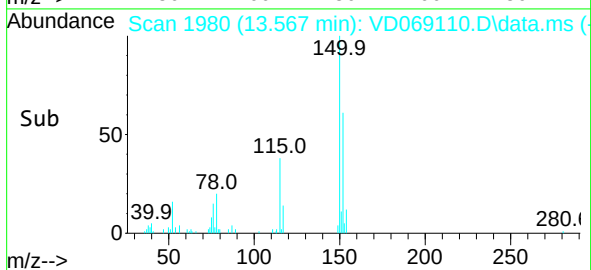
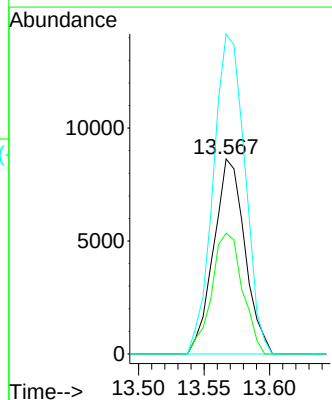
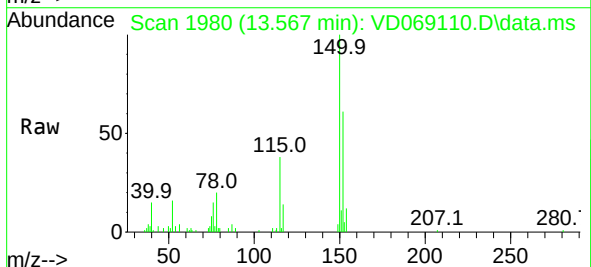
Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

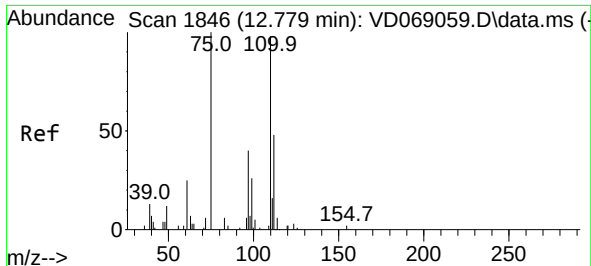
Tgt Ion:117 Resp: 31702
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 33.9 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion:152 Resp: 14285
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 166.4 0.0 340.8

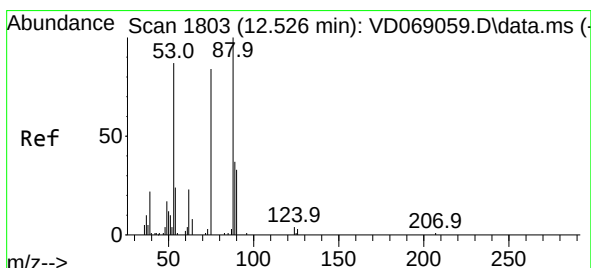
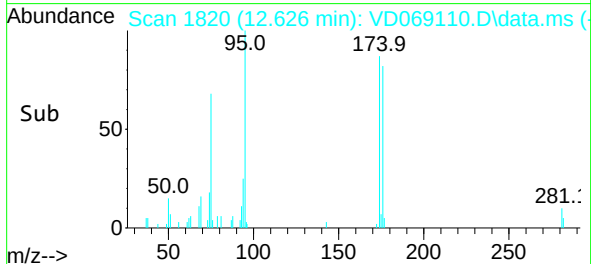
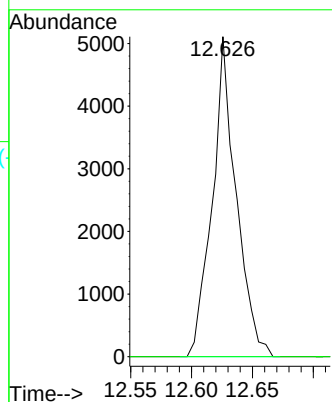
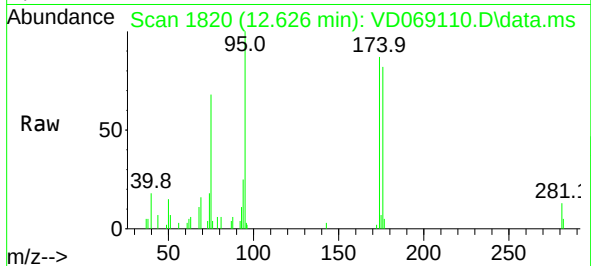




#76
1,2,3-Trichloropropane
Concen: 56.18 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
BS-SP1

Tgt Ion: 75 Resp: 6986
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 122.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069110.D
Acq: 07 May 2021 18:50

Tgt Ion: 75 Resp: 6986
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 37.8 56.8#

