

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070091.D
 Acq On : 17 Aug 2021 16:37
 Operator : VA/SY
 Sample : M3421-01
 Misc : 6.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 340

Quant Time: Aug 18 03:07:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

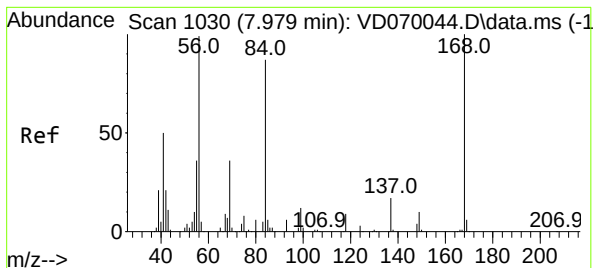
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	494421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1015982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1000785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	418178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	360588	62.008	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.020%			
35) Dibromofluoromethane	7.914	113	352140	53.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.300%			
50) Toluene-d8	10.338	98	1331109	52.139	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.626	95	436724	51.936	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.880%			
Target Compounds						
2) Dichlorodifluoromethane	1.991	85	225	Below Cal	#	42
3) Chloromethane	2.209	50	946	Below Cal	#	42
5) Bromomethane	2.785	94	2095	Below Cal	#	80
11) Tert butyl alcohol	5.226	59	842	2.620	ug/l #	71
16) Acetone	4.156	43	83777	78.205	ug/l	98
20) Methylene Chloride	4.967	84	41795	Below Cal	#	83
31) Cyclohexane	7.985	56	13692	1.190	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	44881	4.106	ug/l #	49
38) Carbon Tetrachloride	7.979	117	51491	5.189	ug/l #	14
51) 4-Methyl-2-Pentanone	10.338	43	5658	1.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	216276	50.998	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	216276	132.371	ug/l #	18

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

Quant Time: Aug 18 03:07:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070091.D

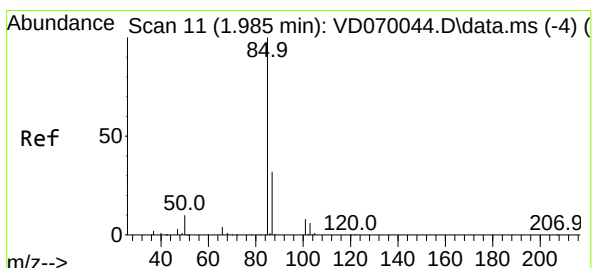
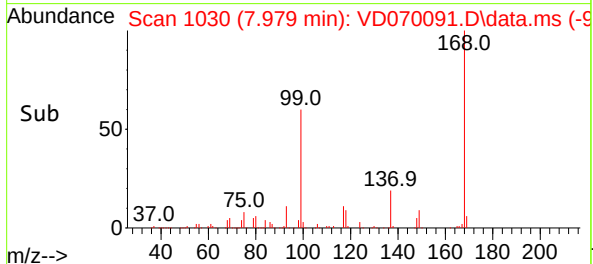
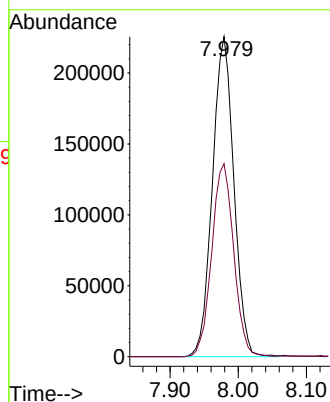
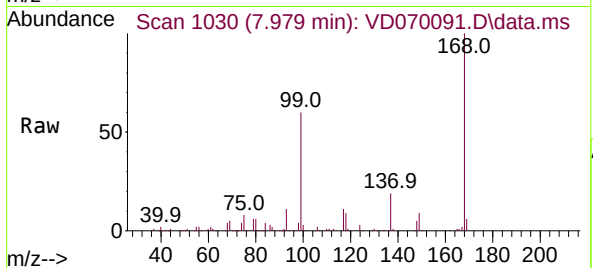
Acq: 17 Aug 2021 16:37

Tgt Ion:168 Resp: 494421

Ion Ratio Lower Upper

168 100

99 60.3 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070091.D

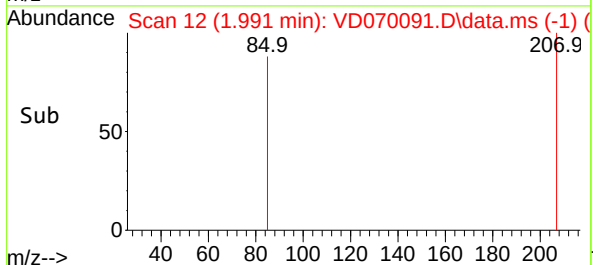
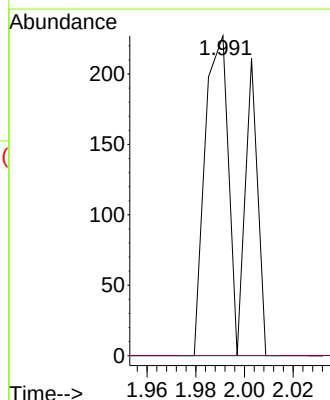
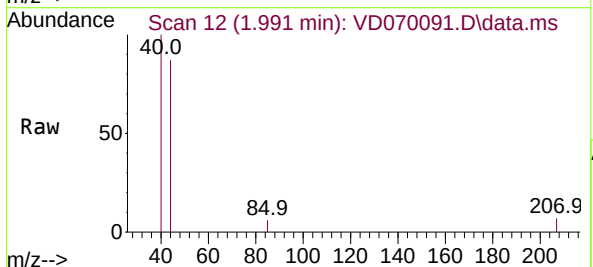
Acq: 17 Aug 2021 16:37

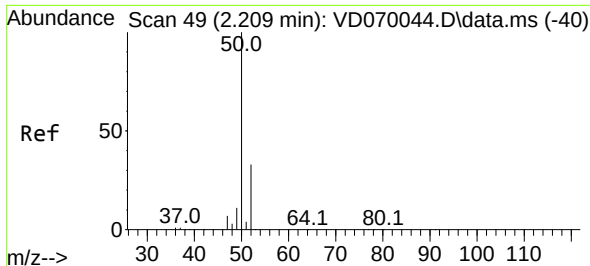
Tgt Ion: 85 Resp: 225

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

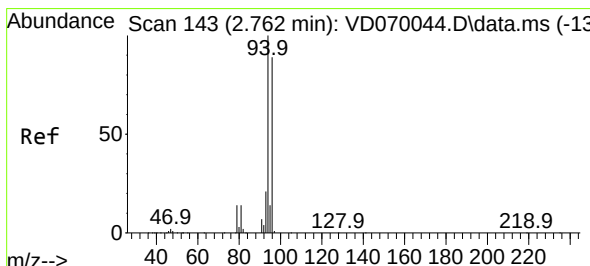
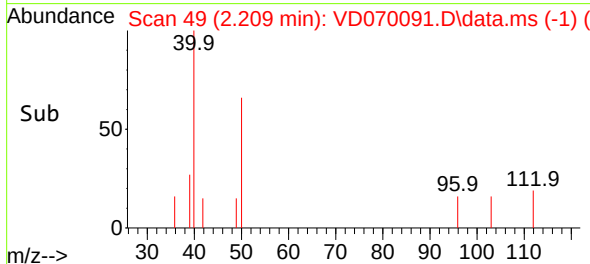
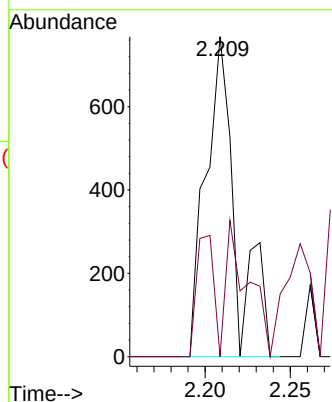
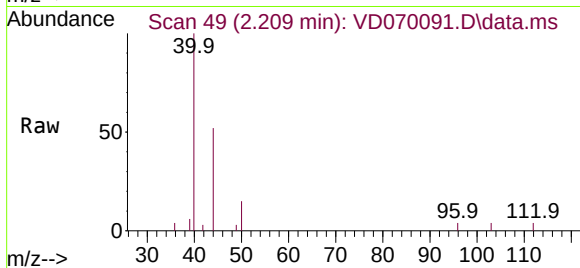




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

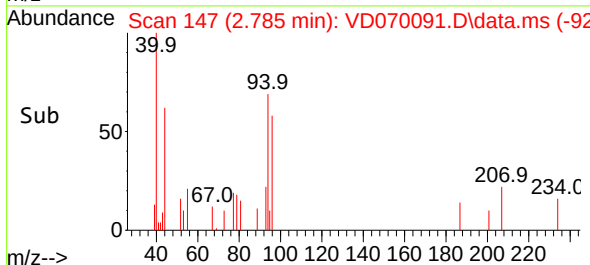
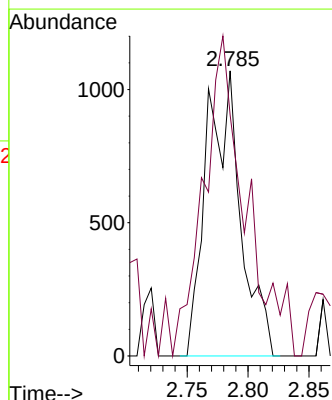
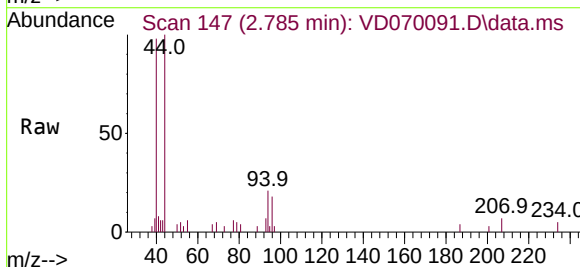
Instrument :
MSVOA_D
ClientSampled :
340

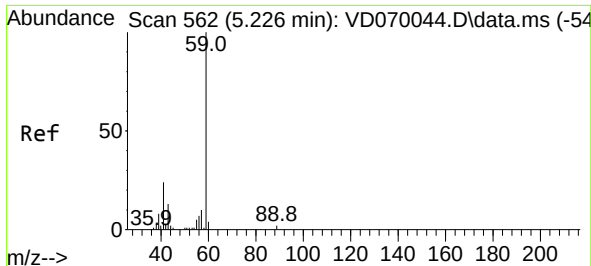
Tgt Ion: 50 Resp: 946
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion: 94 Resp: 2095
Ion Ratio Lower Upper
94 100
96 70.3 70.9 106.3#

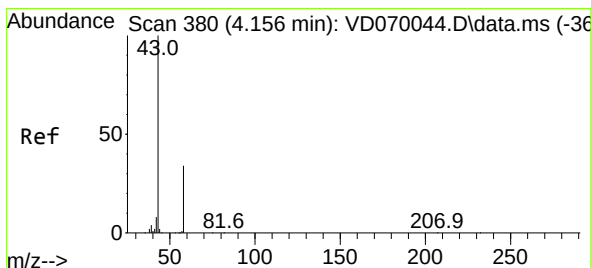
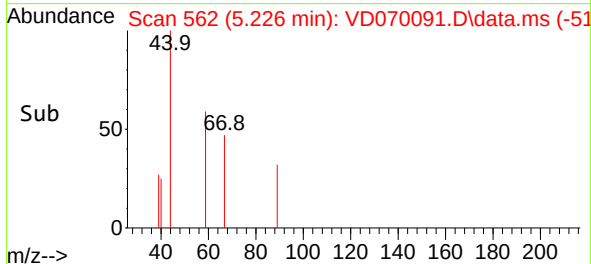
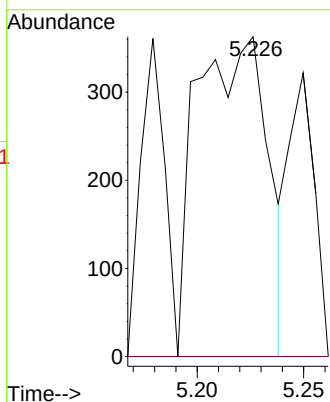
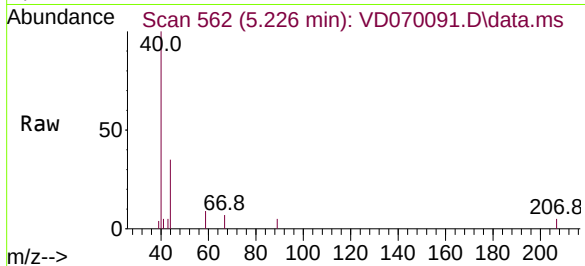




#11
Tert butyl alcohol
Concen: 2.620 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

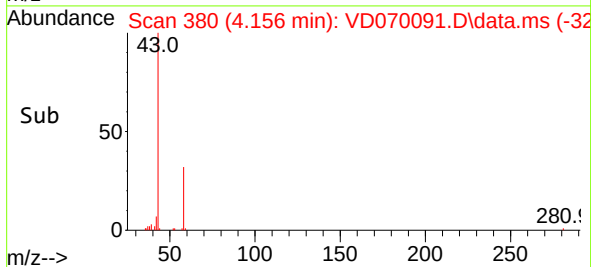
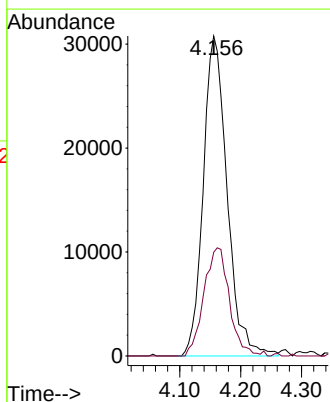
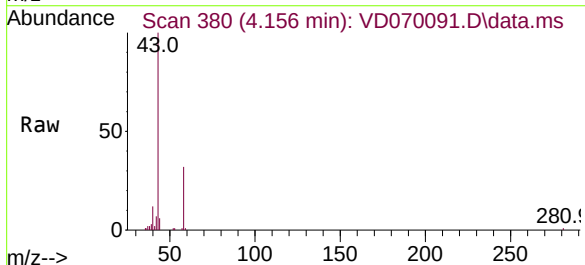
Instrument :
MSVOA_D
ClientSampleId :
340

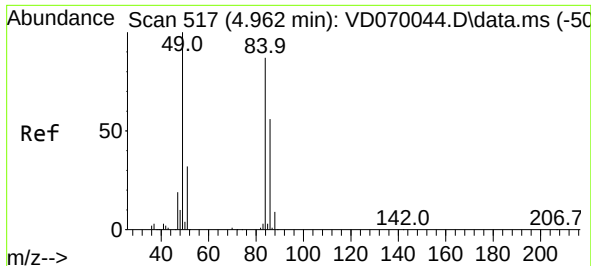
Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 78.205 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

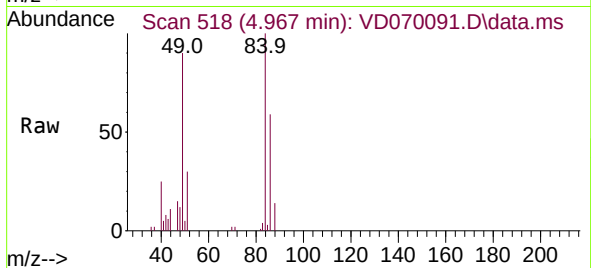
Tgt Ion: 43 Resp: 83777
Ion Ratio Lower Upper
43 100
58 32.4 26.8 40.2



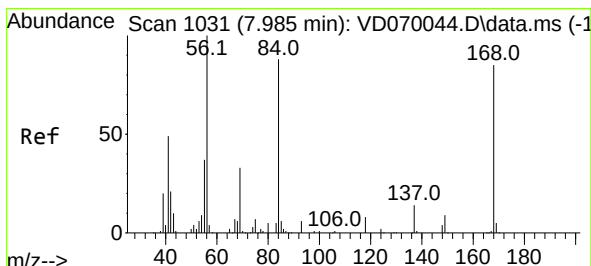
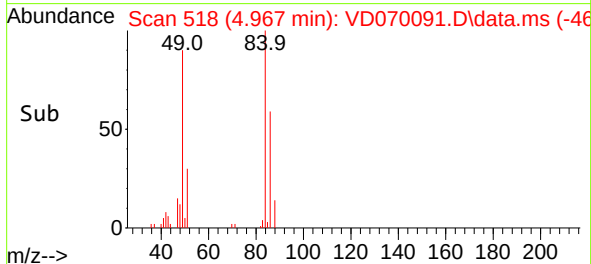
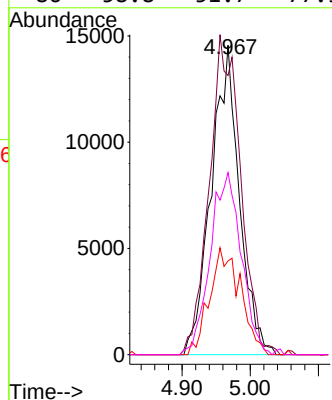


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Instrument :
MSVOA_D
ClientSampleId :
340

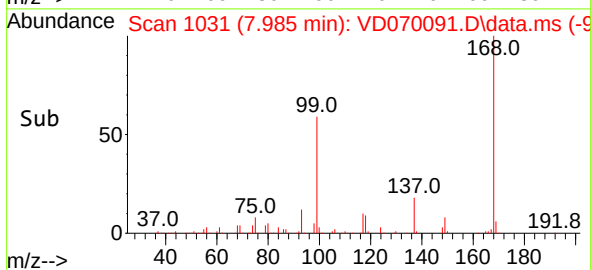
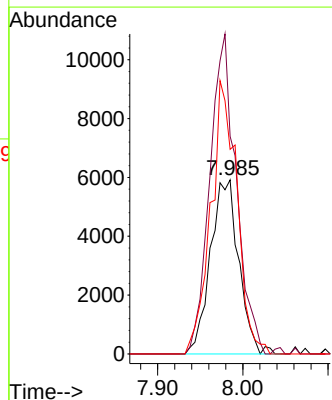
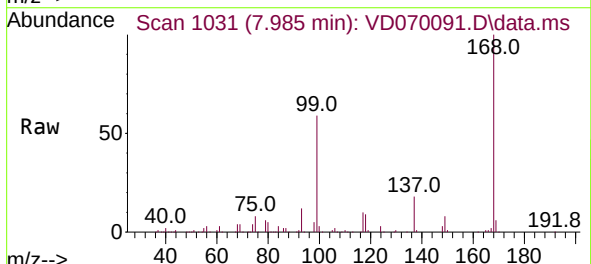


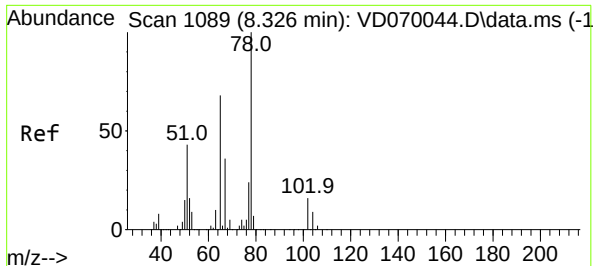
Tgt Ion:	84	Resp:	41795
Ion	Ratio	Lower	Upper
84	100		
49	90.2	92.5	138.7#
51	30.3	29.7	44.5
86	58.8	51.7	77.5



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion:	56	Resp:	13692
Ion	Ratio	Lower	Upper
56	100		
69	125.0	26.7	40.1#
84	117.6	70.4	105.6#



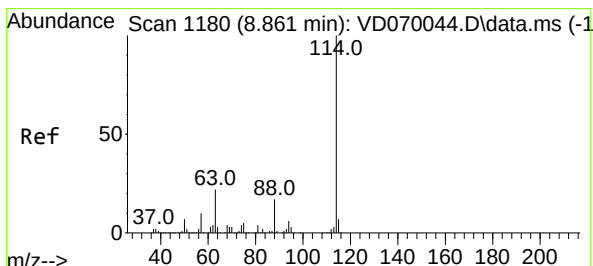
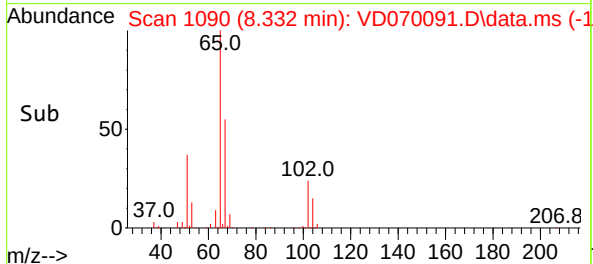
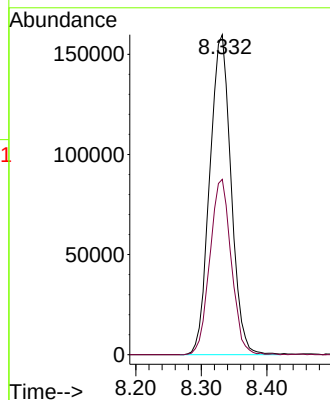
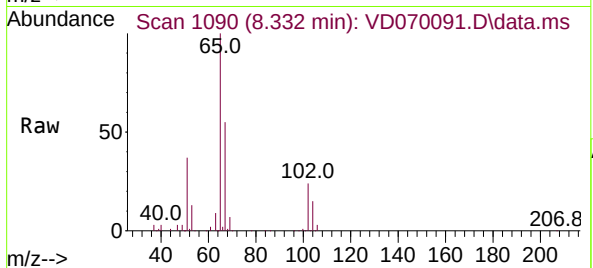


#33

1,2-Dichloroethane-d4
Concen: 62.008 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Instrument :
MSVOA_D
ClientSampleId :
340

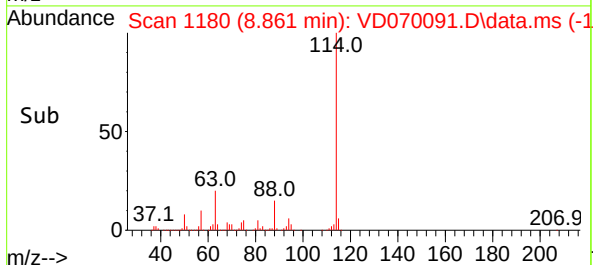
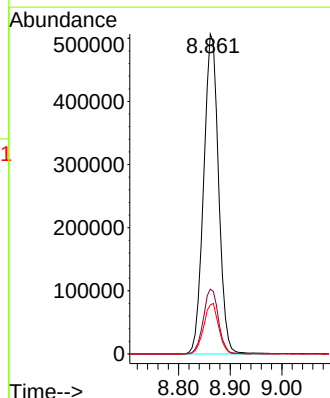
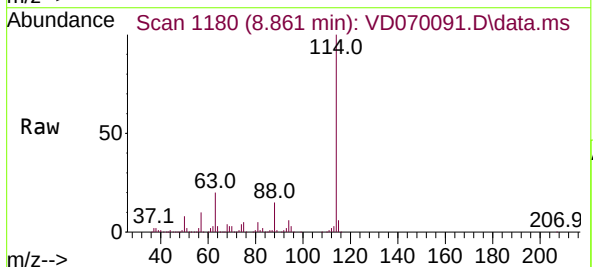
Tgt Ion: 65 Resp: 360588
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.8

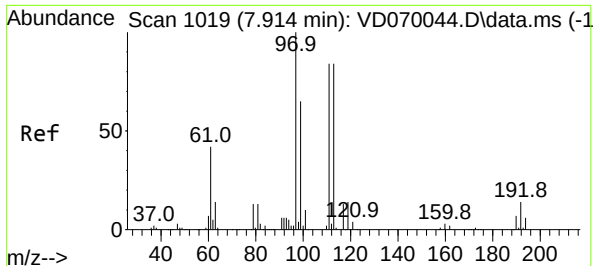


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion:114 Resp: 1015982
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.6
88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.648 ug/l

RT: 7.914 min Scan# 1019

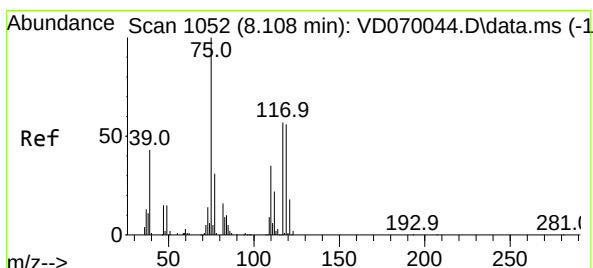
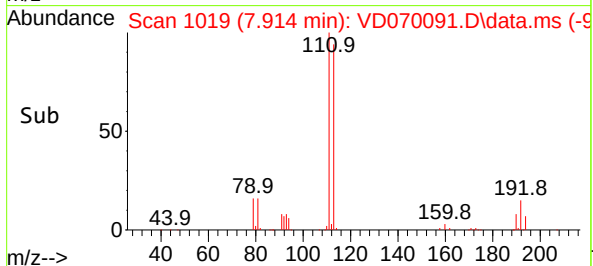
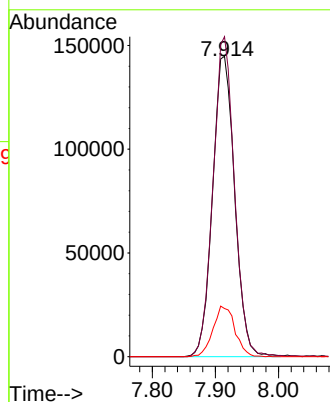
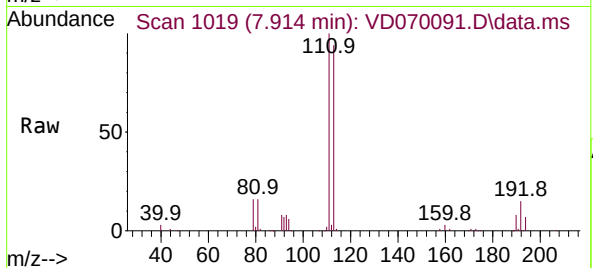
Delta R.T. 0.000 min

Lab File: VD070091.D

Acq: 17 Aug 2021 16:37

Tgt Ion:	113	Resp:	352140
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	16.7	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :
340



#36

1,1-Dichloropropene

Concen: 4.106 ug/l

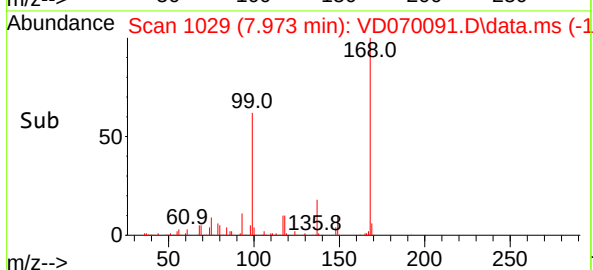
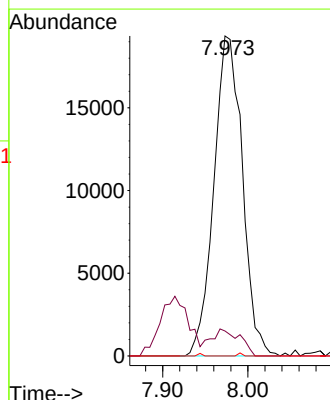
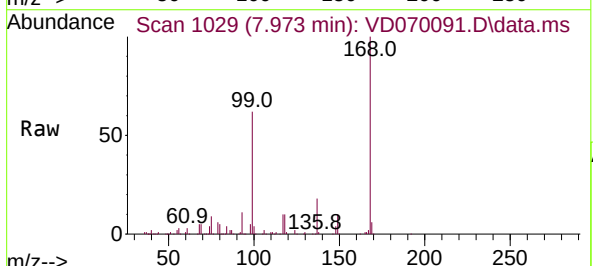
RT: 7.973 min Scan# 1029

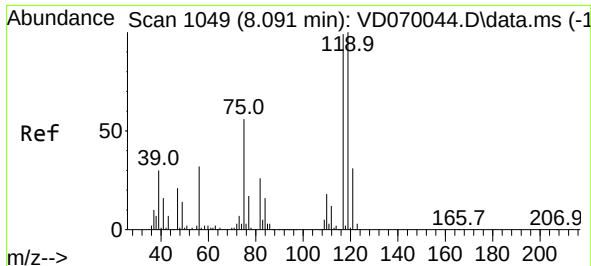
Delta R.T. -0.135 min

Lab File: VD070091.D

Acq: 17 Aug 2021 16:37

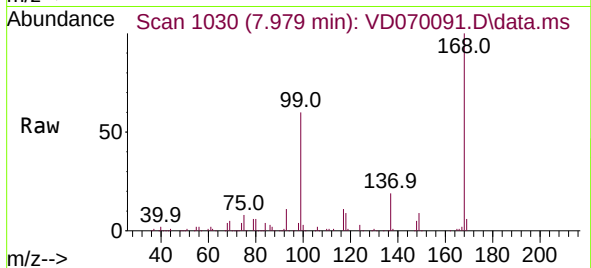
Tgt Ion:	75	Resp:	44881
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.7#
77	0.0	25.2	37.8#



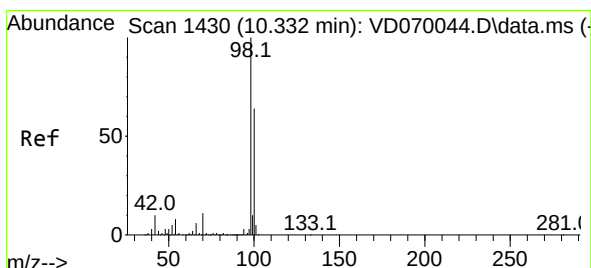
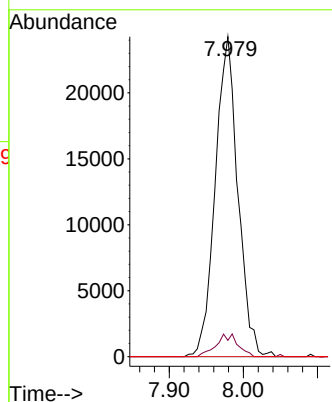
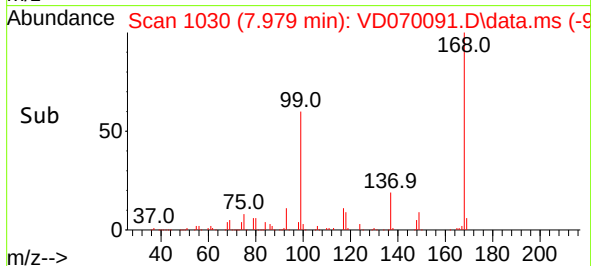


#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

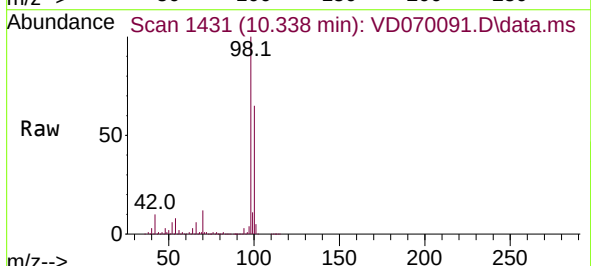
Instrument :
MSVOA_D
ClientSampled :
340



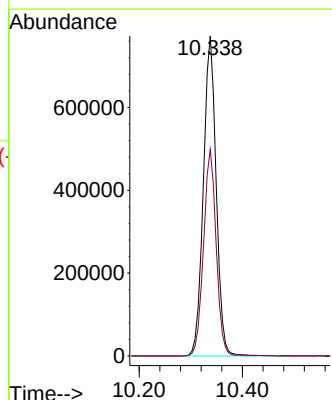
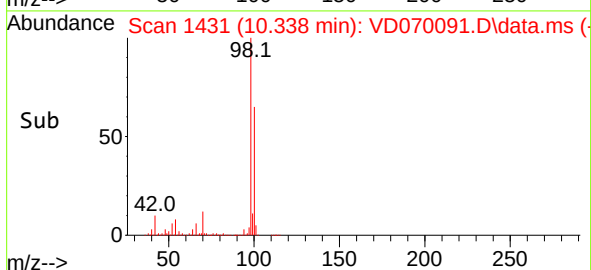
Tgt Ion:117 Resp: 51491
Ion Ratio Lower Upper
117 100
119 5.1 81.0 121.6#
121 0.0 25.0 37.6#

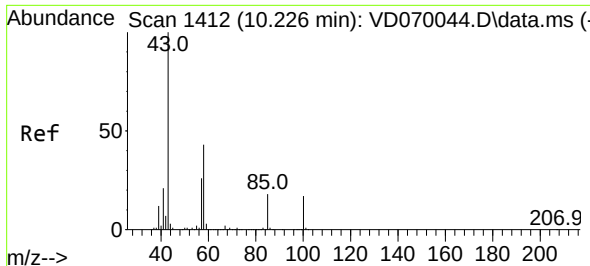


#50
Toluene-d8
Concen: 52.139 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37



Tgt Ion: 98 Resp: 1331109
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8

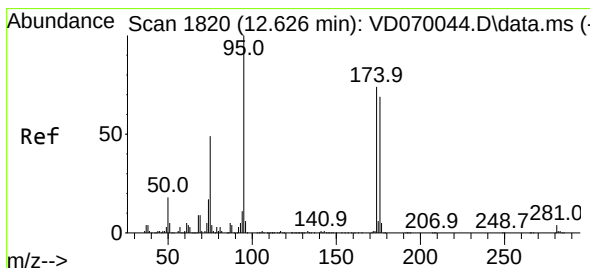
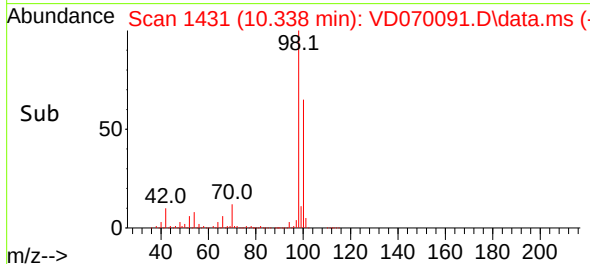
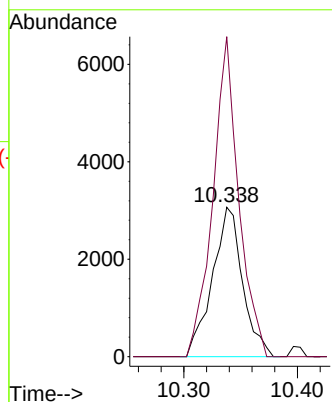
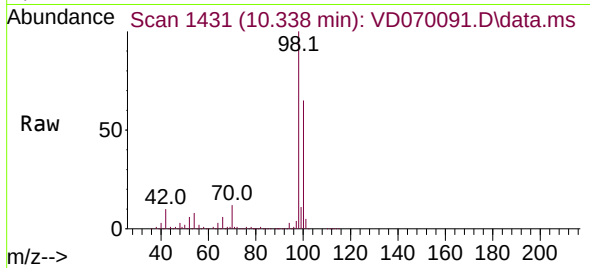




#51
4-Methyl-2-Pentanone
Concen: 1.468 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

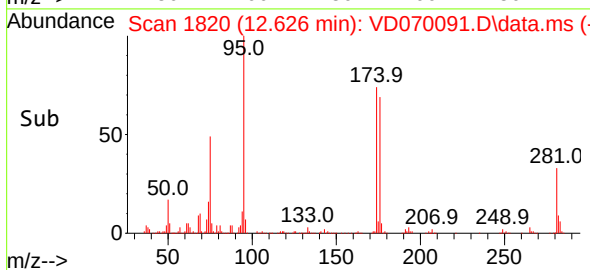
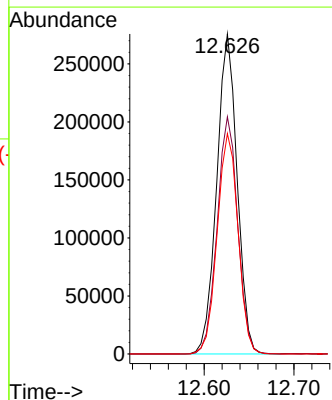
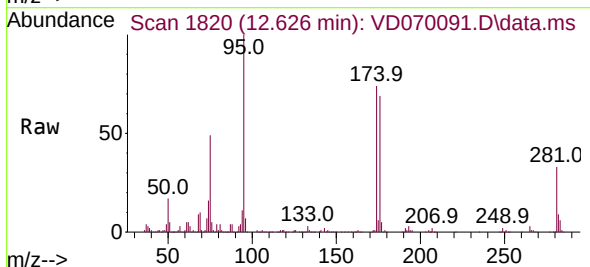
Instrument :
MSVOA_D
ClientSampled :
340

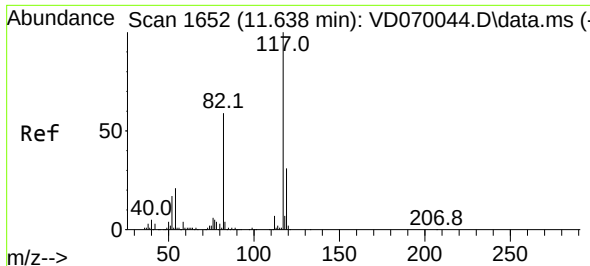
Tgt Ion: 43 Resp: 5658
Ion Ratio Lower Upper
43 100
58 183.6 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 51.936 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion: 95 Resp: 436724
Ion Ratio Lower Upper
95 100
174 74.5 0.0 141.6
176 70.1 0.0 138.2

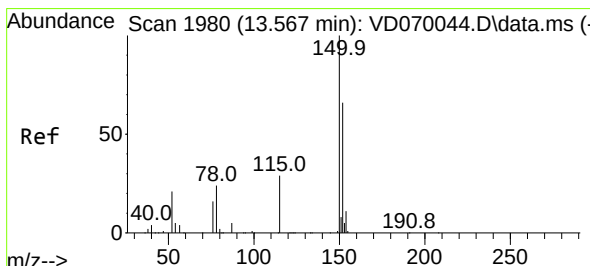
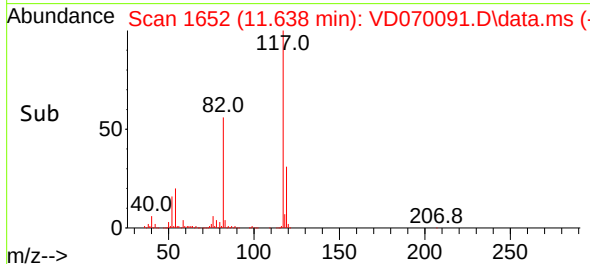
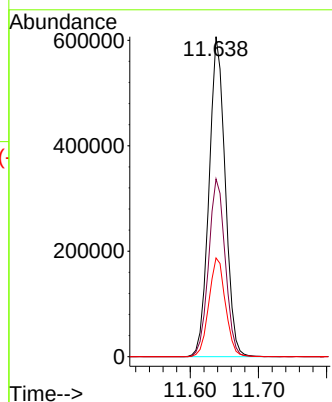
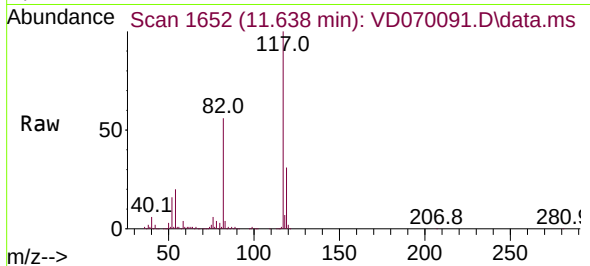




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

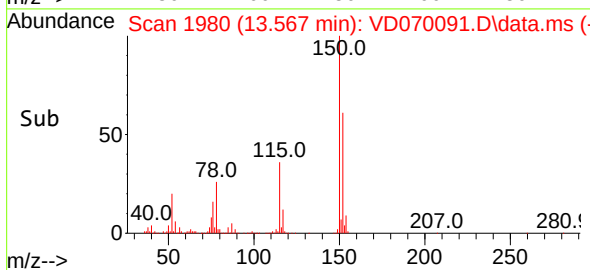
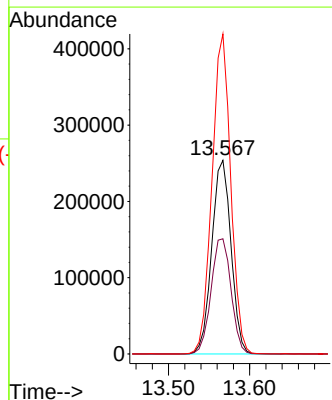
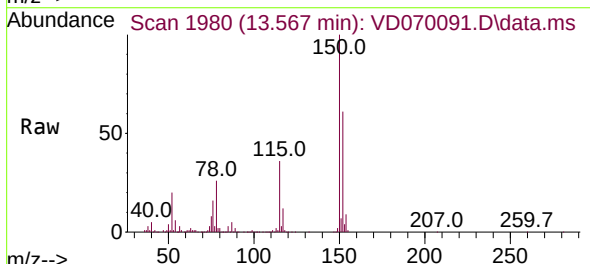
Instrument :
MSVOA_D
ClientSampled :
340

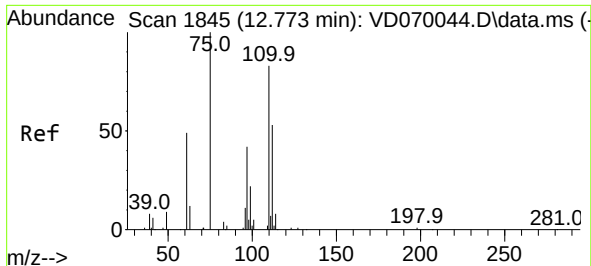
Tgt Ion:117 Resp: 1000785
Ion Ratio Lower Upper
117 100
82 55.6 47.5 71.3
119 30.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion:152 Resp: 418178
Ion Ratio Lower Upper
152 100
115 61.8 31.2 93.6
150 160.6 0.0 352.0

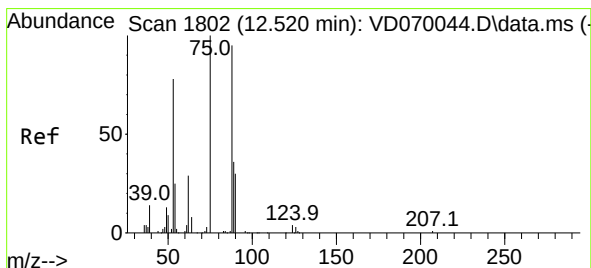
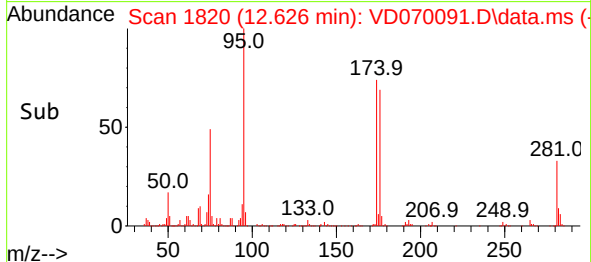
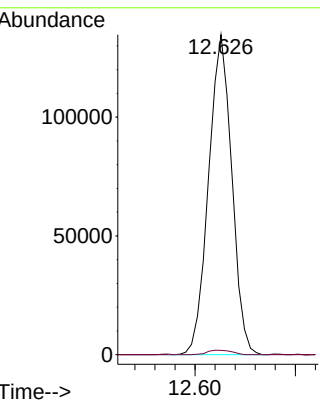
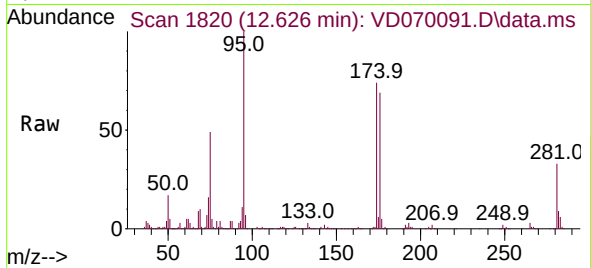




#76
1,2,3-Trichloropropane
Concen: 50.998 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Instrument :
MSVOA_D
ClientSampleId :
340

Tgt Ion: 75 Resp: 216276
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.371 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070091.D
Acq: 17 Aug 2021 16:37

Tgt Ion: 75 Resp: 216276
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.6 33.7 50.5#

