

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070638.D
 Acq On : 08 Oct 2021 14:53
 Operator : VA/SY
 Sample : M4113-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:23:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

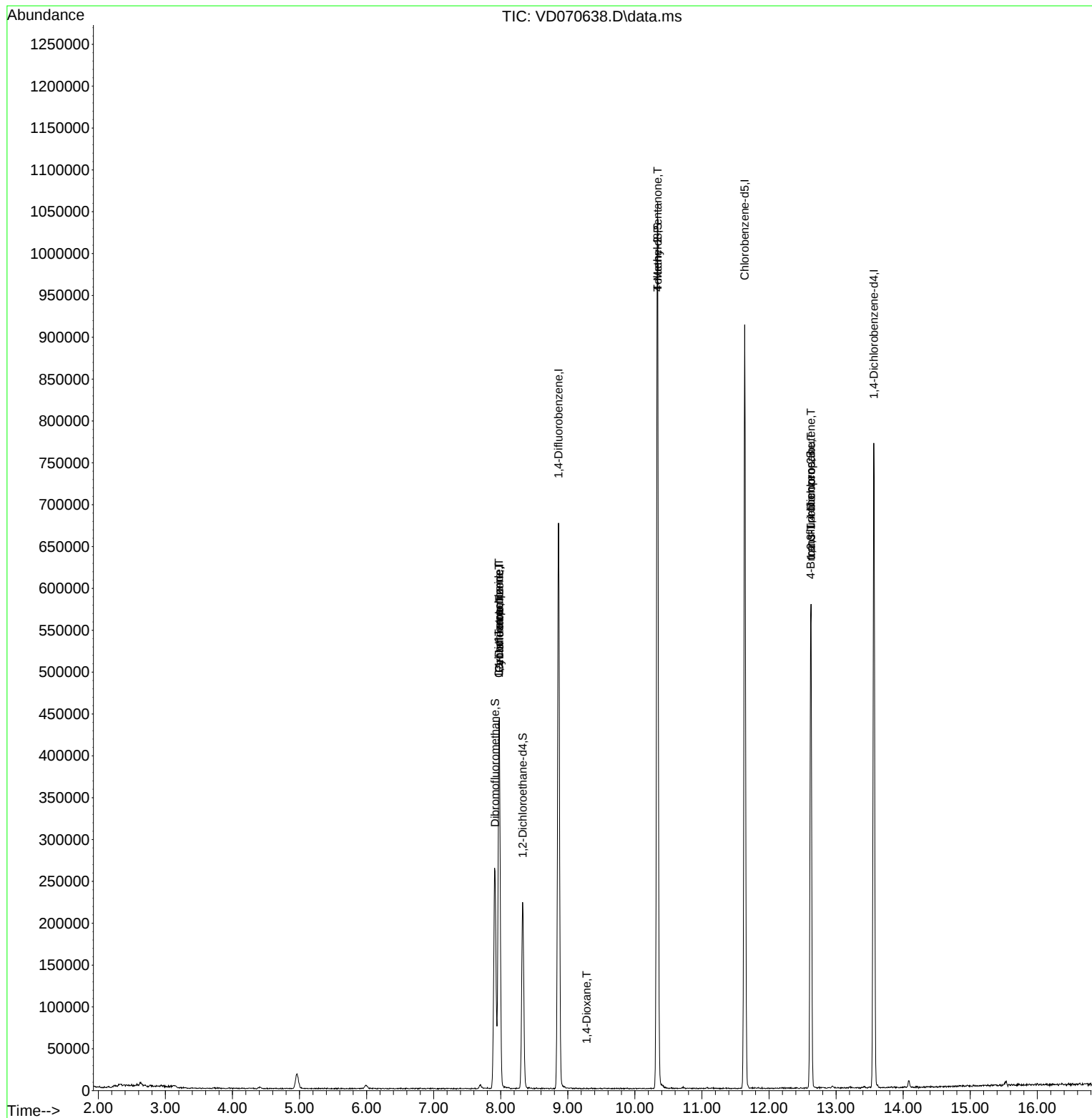
Internal Standards						
1) Pentafluorobenzene	7.979	168	317352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	592794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	545176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	213450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	173624	46.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.980%			
35) Dibromofluoromethane	7.914	113	197909	50.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.420%			
50) Toluene-d8	10.338	98	755420	50.138	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.620	95	210305	41.763	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.520%			
Target Compounds						
5) Bromomethane	2.779	94	1044	Below Cal	#	60
20) Methylene Chloride	4.956	84	15179	Below Cal	#	78
31) Cyclohexane	7.979	56	7080	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	28031	4.452	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32896	4.993	ug/l #	17
49) 1,4-Dioxane	9.279	88	67	2.713	ug/l #	23
51) 4-Methyl-2-Pentanone	10.338	43	2388	1.208	ug/l #	1
59) 2-Hexanone	10.967	43	66	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	97792	50.618	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	97792	112.381	ug/l #	17

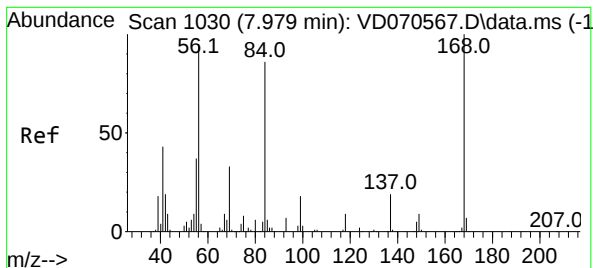
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 02:23:13 2021
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Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 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: VD070638.D

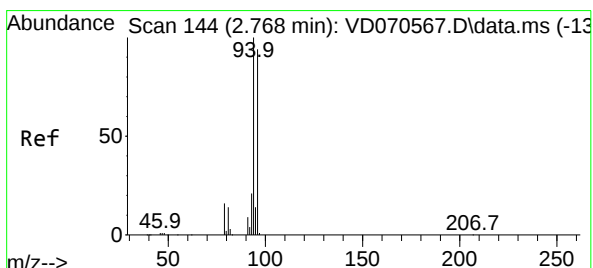
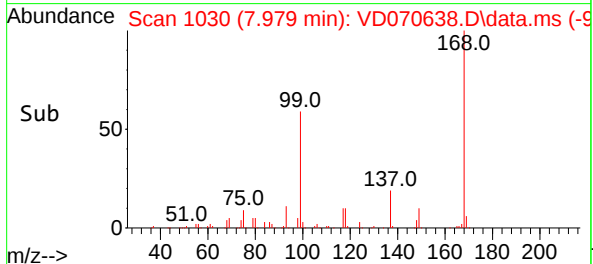
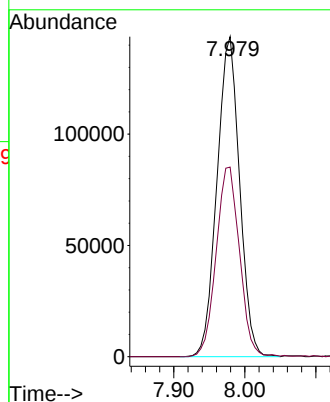
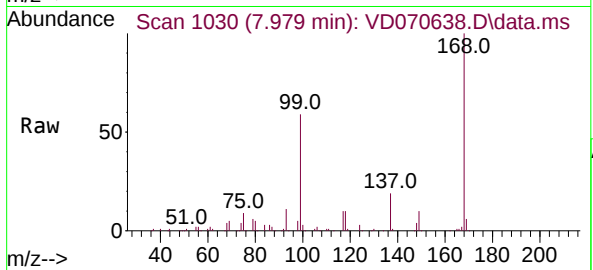
Acq: 08 Oct 2021 14:53

Tgt Ion:168 Resp: 317352

Ion Ratio Lower Upper

168 100

99 59.3 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070638.D

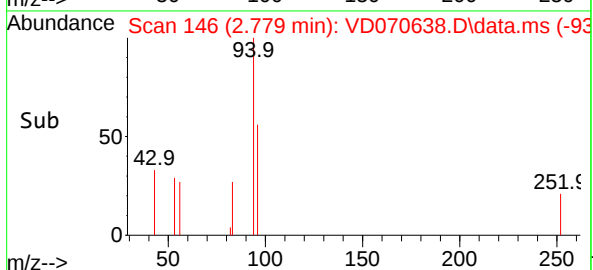
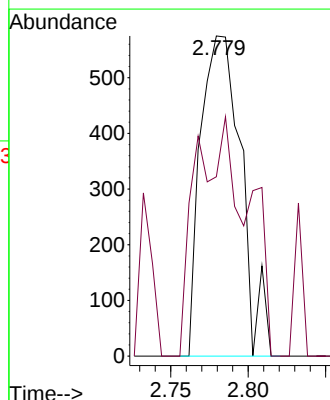
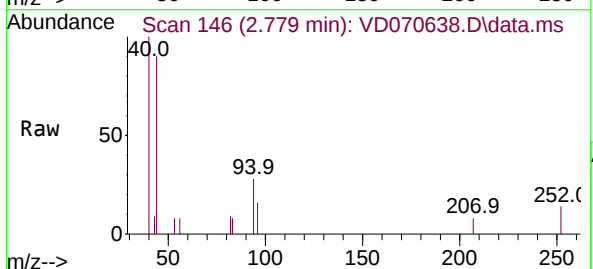
Acq: 08 Oct 2021 14:53

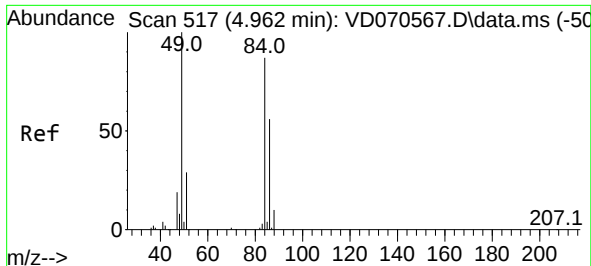
Tgt Ion: 94 Resp: 1044

Ion Ratio Lower Upper

94 100

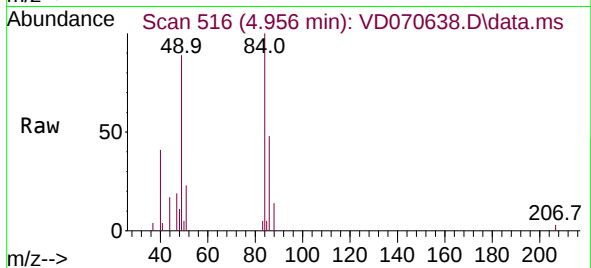
96 56.0 75.5 113.3#



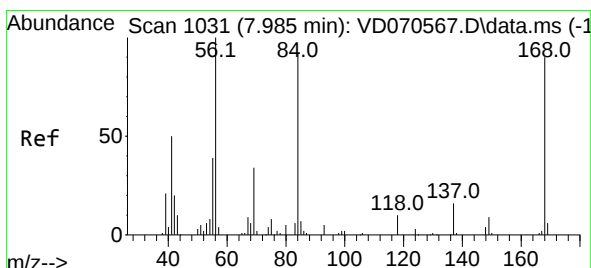
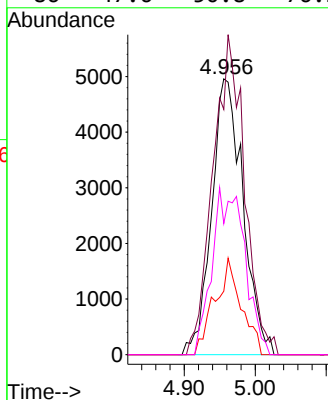
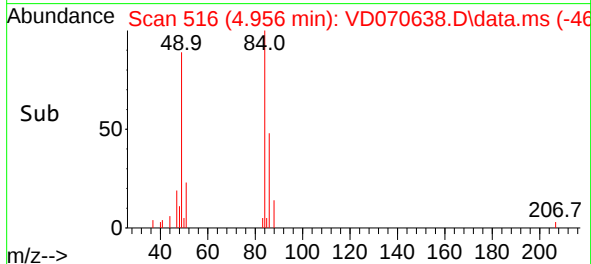


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

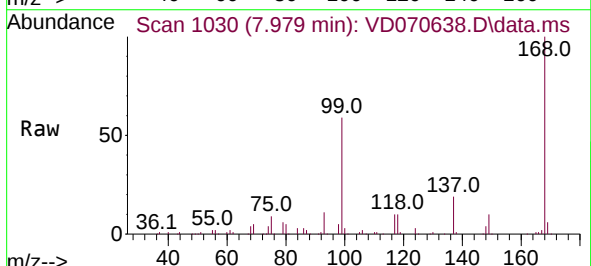
Instrument :
MSVOA_D
ClientSampleId :



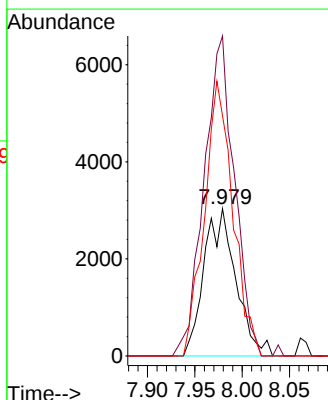
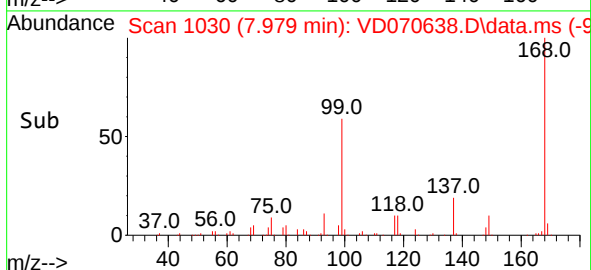
Tgt Ion:	84	Resp:	15179
Ion	Ratio	Lower	Upper
84	100		
49	88.9	91.4	137.2#
51	23.0	26.7	40.1#
86	47.6	50.8	76.2#

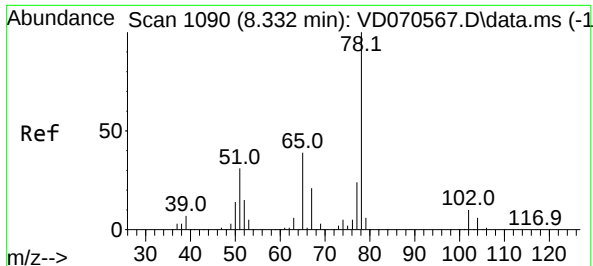


#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53



Tgt Ion:	56	Resp:	7080
Ion	Ratio	Lower	Upper
56	100		
69	210.8	27.4	41.2#
84	162.9	73.6	110.4#



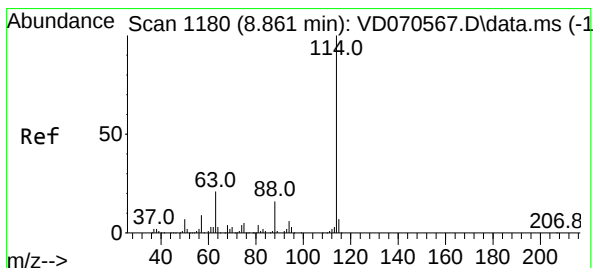
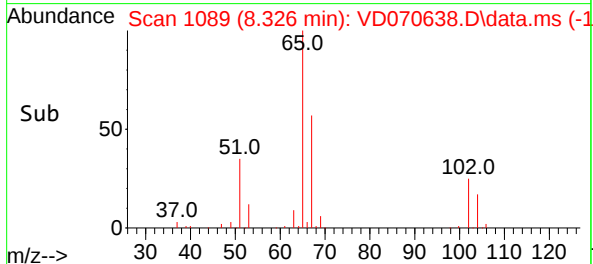
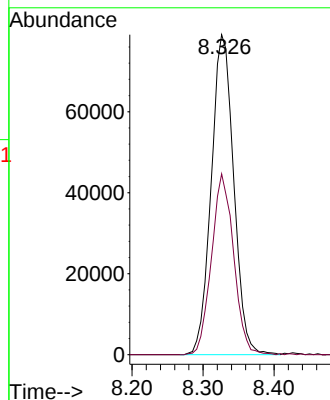
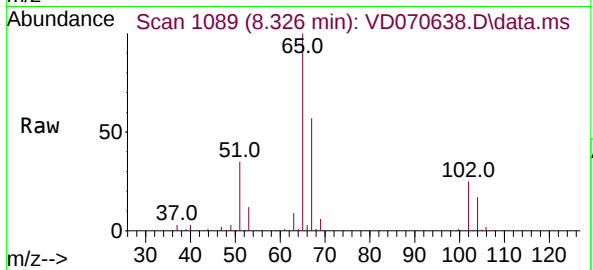


#33

1,2-Dichloroethane-d4
Concen: 46.488 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

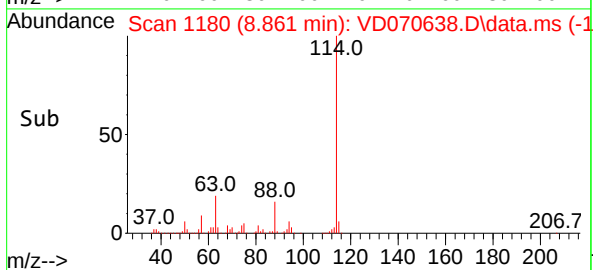
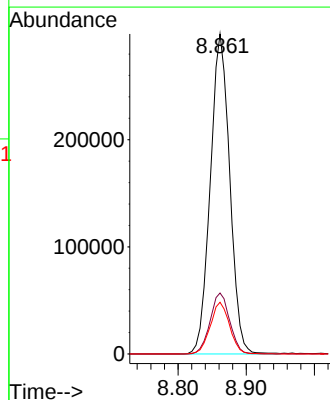
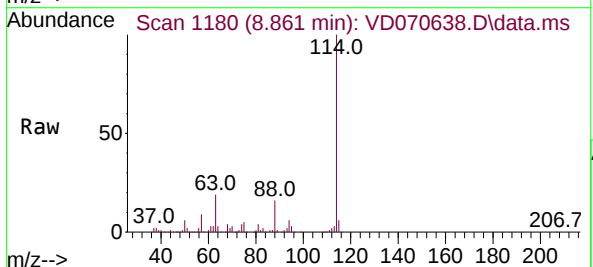
Tgt Ion: 65 Resp: 173624
Ion Ratio Lower Upper
65 100
67 55.6 0.0 110.2

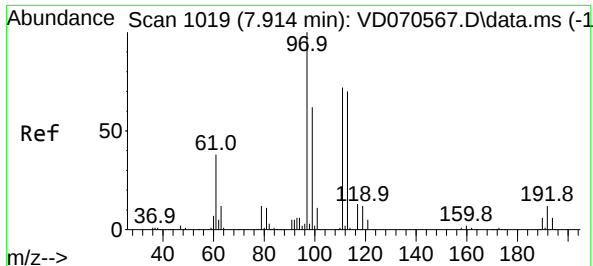


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion: 114 Resp: 592794
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.8
88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.215 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070638.D

Acq: 08 Oct 2021 14:53

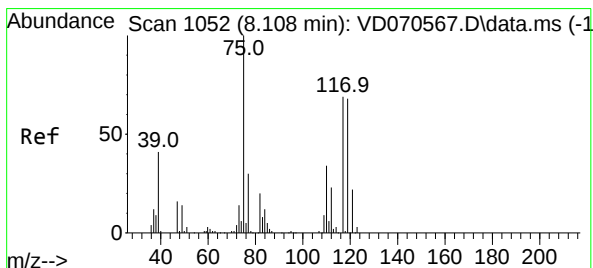
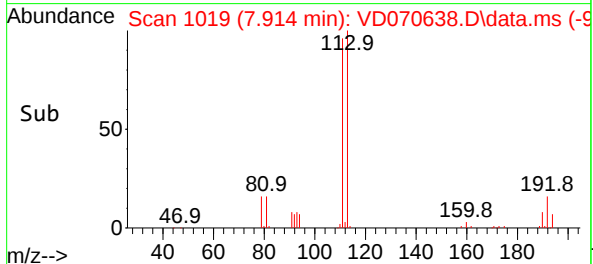
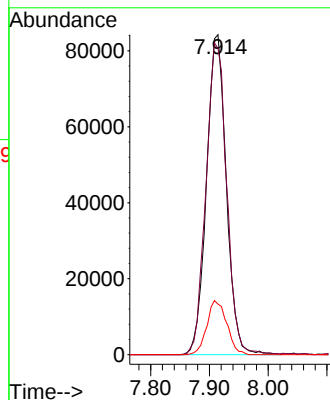
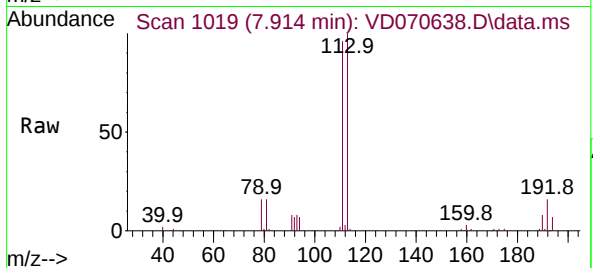
Tgt Ion:113 Resp: 197909

Ion Ratio Lower Upper

113 100

111 101.5 83.1 124.7

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.452 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070638.D

Acq: 08 Oct 2021 14:53

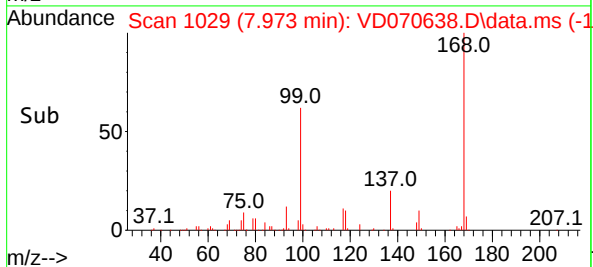
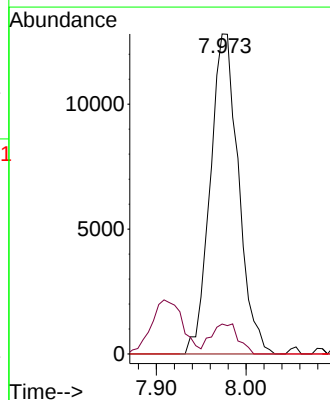
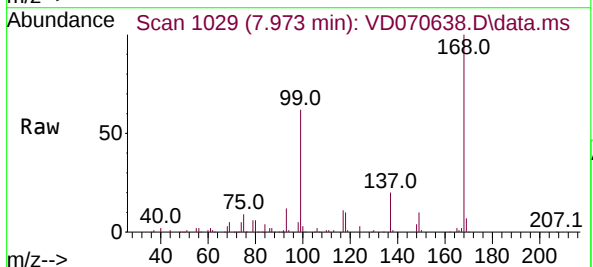
Tgt Ion: 75 Resp: 28031

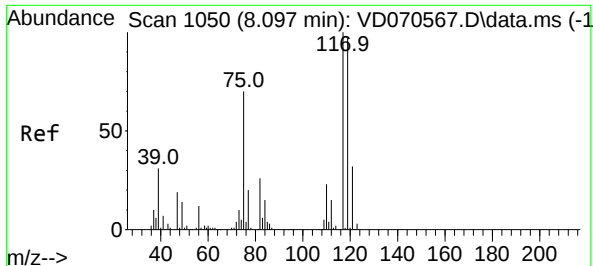
Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.6#

77 0.0 24.2 36.4#

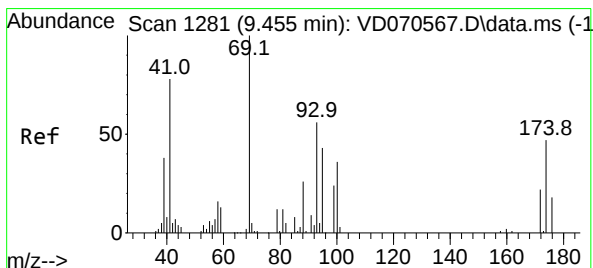
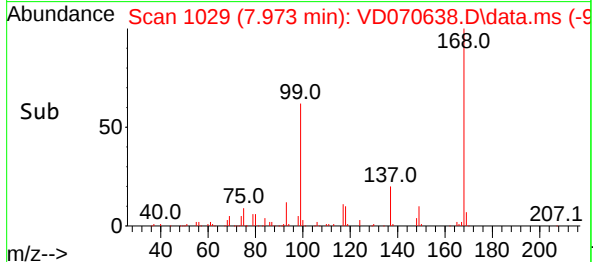
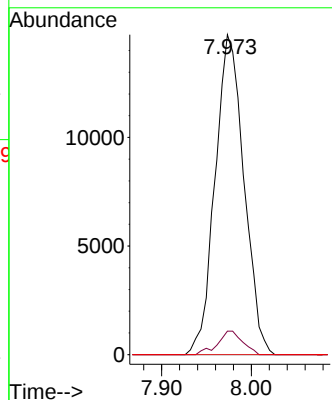
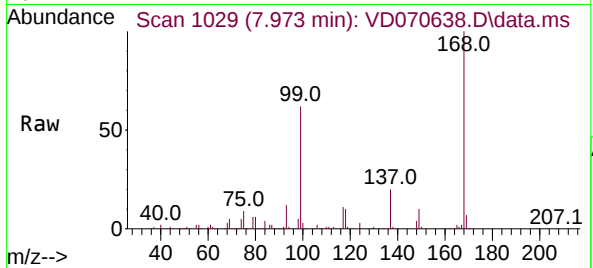




#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

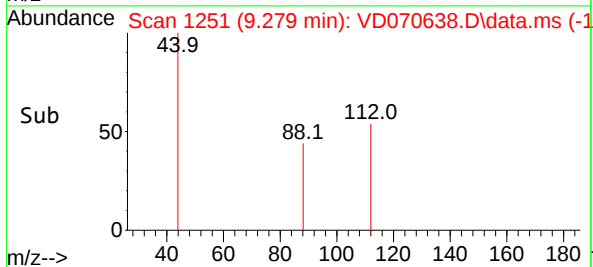
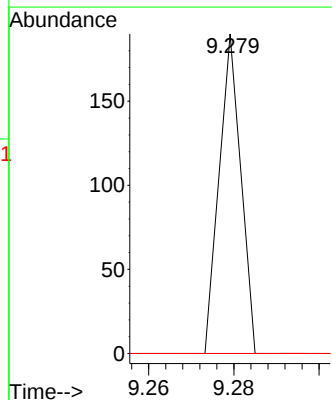
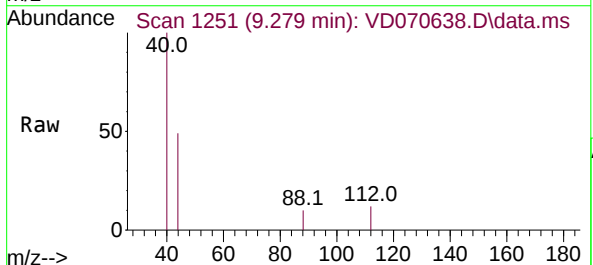
Instrument :
MSVOA_D
ClientSampleId :

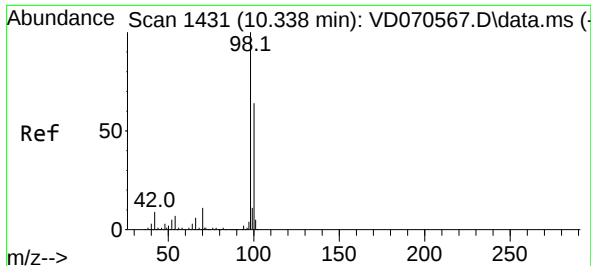
Tgt Ion:117 Resp: 32896
Ion Ratio Lower Upper
117 100
119 7.4 77.4 116.0#
121 0.0 25.4 38.0#



#49
1,4-Dioxane
Concen: 2.713 ug/l
RT: 9.279 min Scan# 1251
Delta R.T. -0.176 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.4 86.0#

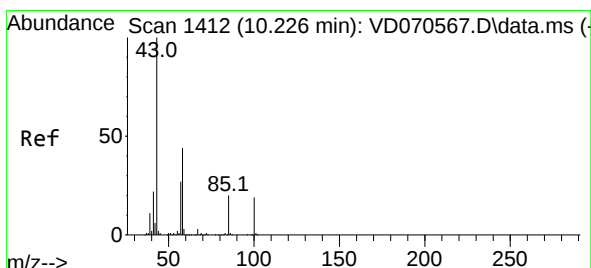
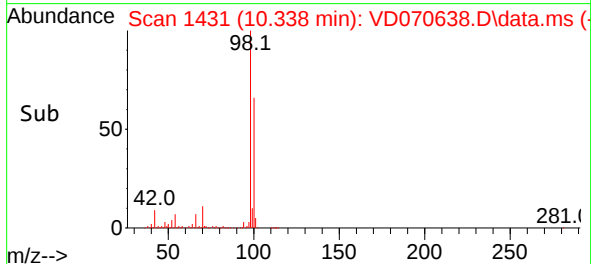
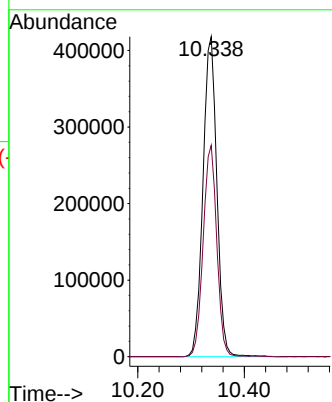
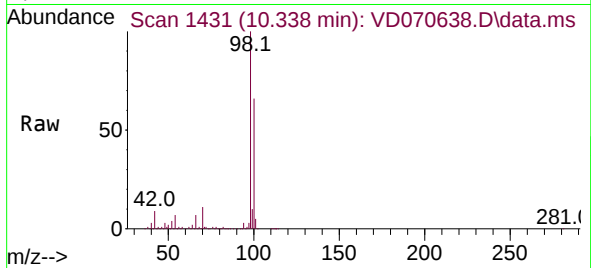




#50
Toluene-d8
Concen: 50.138 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

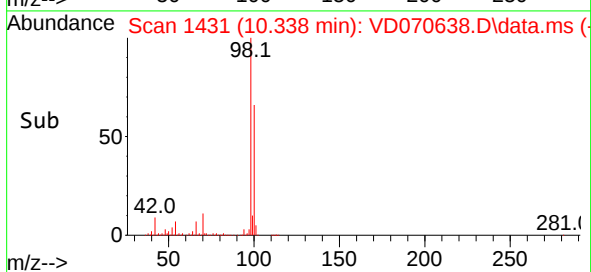
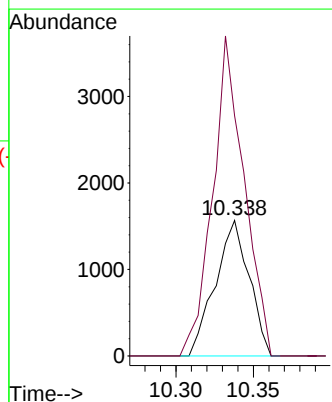
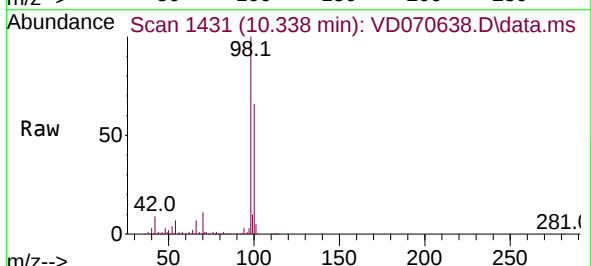
Instrument :
MSVOA_D
ClientSampled :

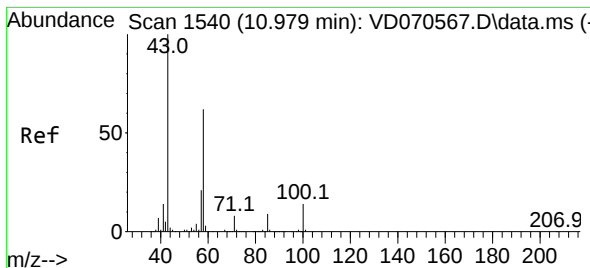
Tgt Ion: 98 Resp: 755420
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.208 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
58 218.7 35.0 52.6#

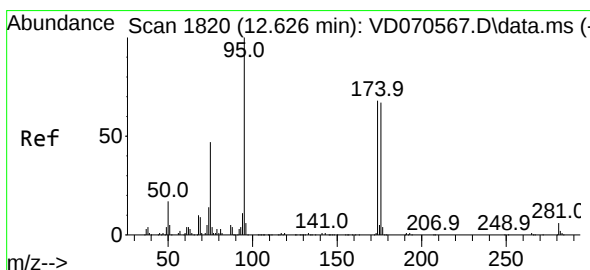
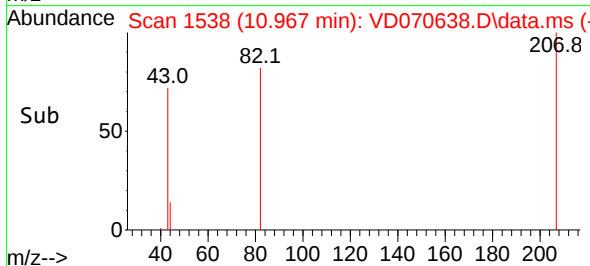
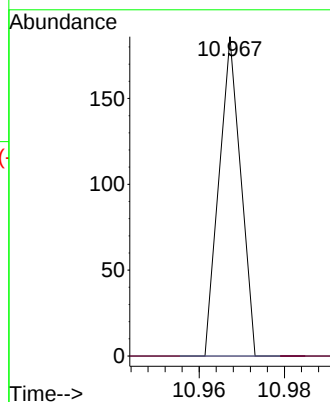
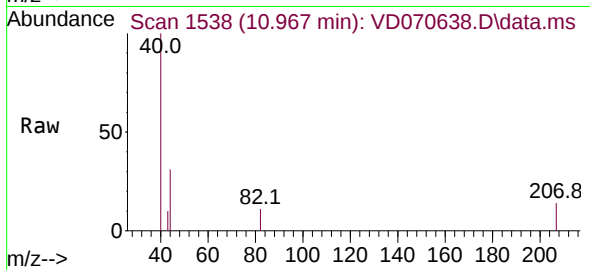




#59
2-Hexanone
Concen: Below Cal
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

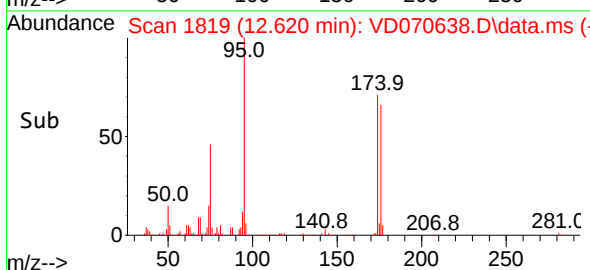
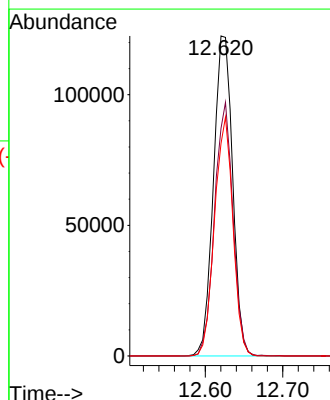
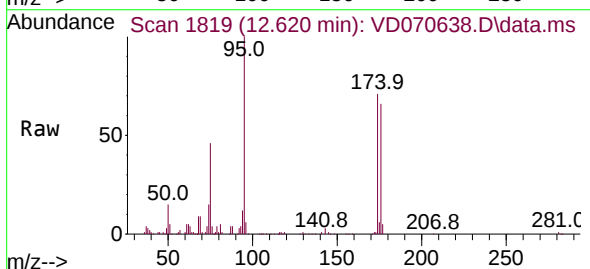
Instrument :
MSVOA_D
ClientSampled :

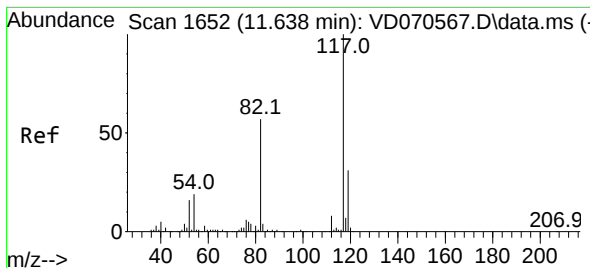
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 41.763 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion: 95 Resp: 210305
Ion Ratio Lower Upper
95 100
174 76.3 0.0 138.0
176 71.5 0.0 135.6

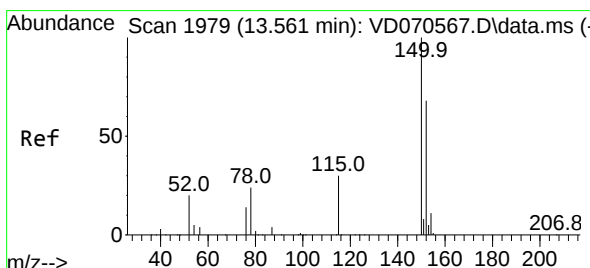
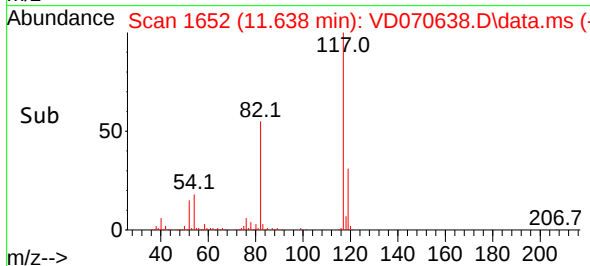
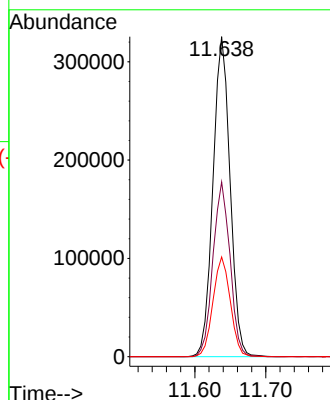
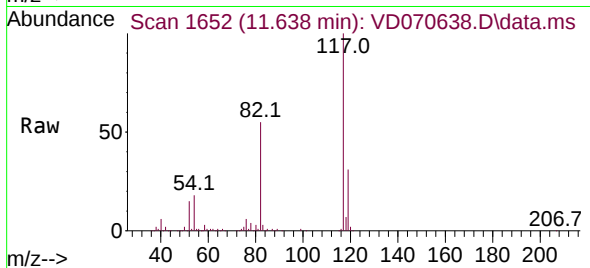




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

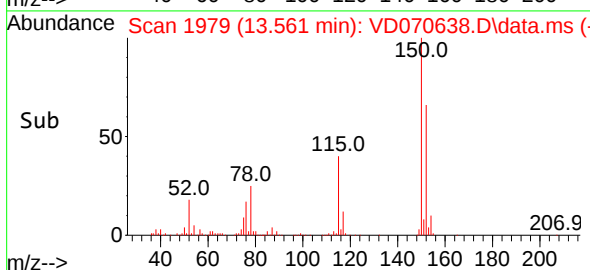
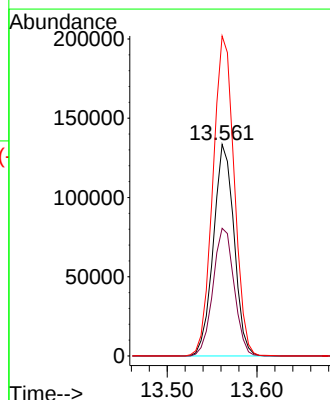
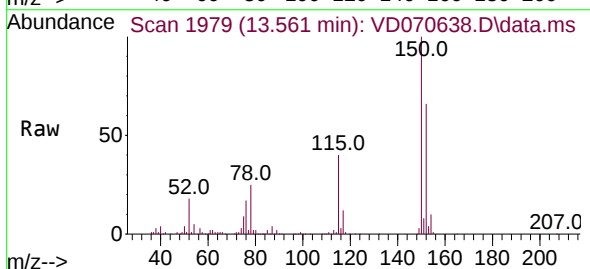
Instrument :
MSVOA_D
ClientSampleId :

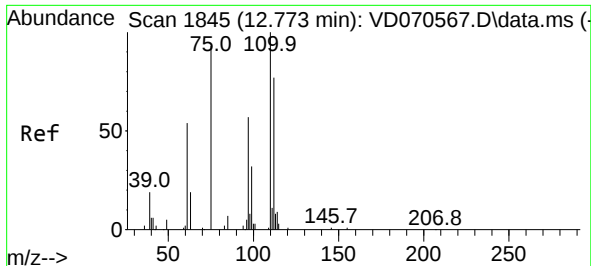
Tgt Ion:117 Resp: 545176
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion:152 Resp: 213450
Ion Ratio Lower Upper
152 100
115 61.7 31.9 95.7
150 156.0 0.0 350.0

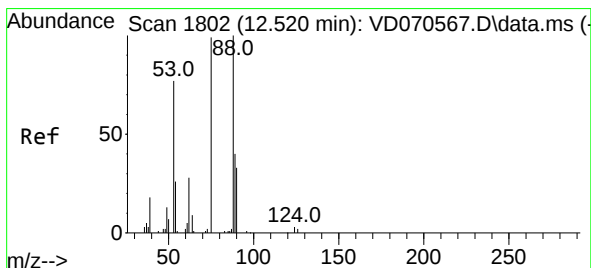
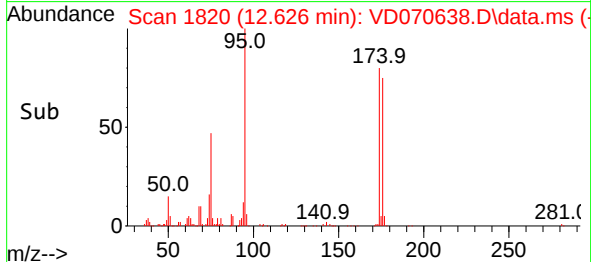
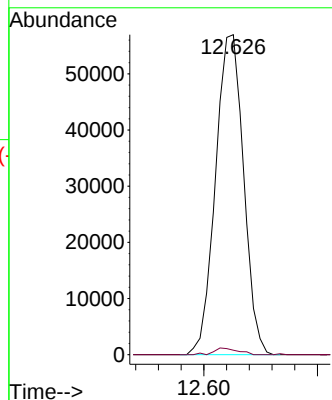
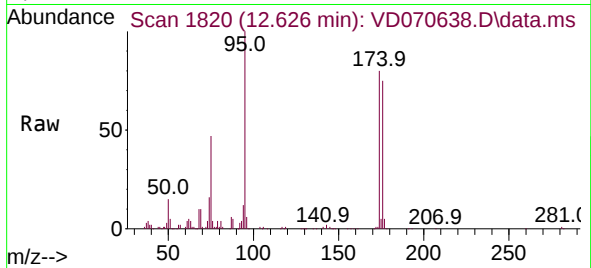




#76
1,2,3-Trichloropropane
Concen: 50.618 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 97792
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.381 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070638.D
Acq: 08 Oct 2021 14:53

Tgt Ion: 75 Resp: 97792
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#

