

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068741.D
 Acq On : 31 Mar 2021 16:38
 Operator : VA/SY
 Sample : M1874-08
 Misc : 6.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 00:45:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

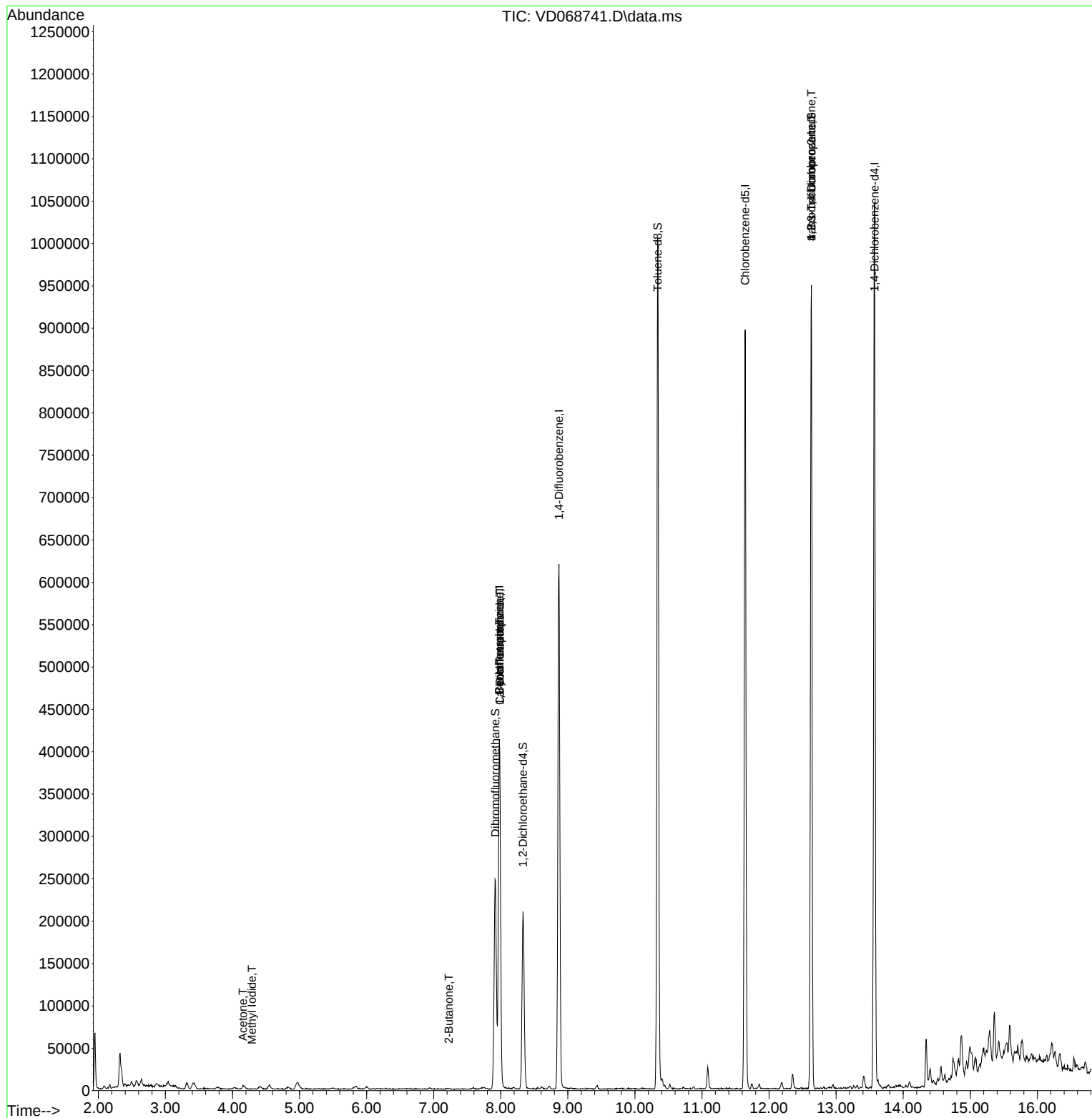
Internal Standards						
1) Pentafluorobenzene	7.979	168	318062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	572903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	546063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	288394	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	163481	50.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.94%			
35) Dibromofluoromethane	7.920	113	179521	50.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.72%			
50) Toluene-d8	10.338	98	722255	52.55	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.10%			
62) 4-Bromofluorobenzene	12.632	95	266282	59.76	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.52%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	60	3.48	ug/l #	41
16) Acetone	4.156	43	6815	17.51	ug/l #	83
20) Methylene Chloride	4.973	84	6660	Below Cal	#	84
25) 2-Butanone	7.226	43	1737	2.69	ug/l	91
31) Cyclohexane	7.979	56	6797	1.31	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	24815	4.85	ug/l #	48
38) Carbon Tetrachloride	7.985	117	31383	6.15	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	135141	56.30	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	135141	128.09	ug/l #	16

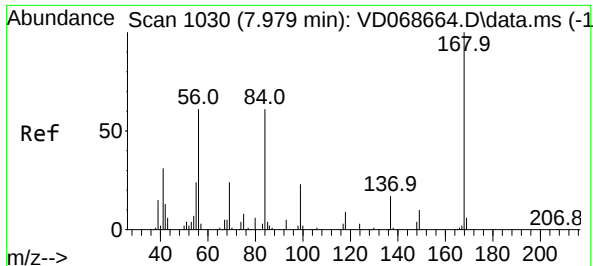
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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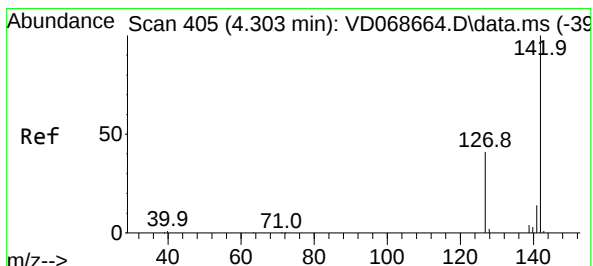
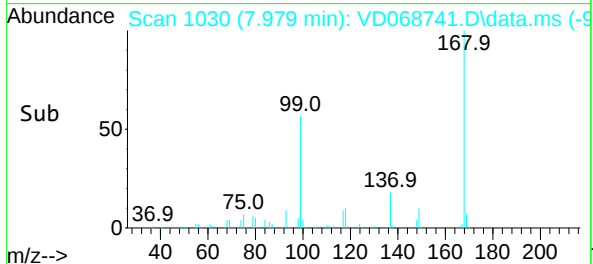
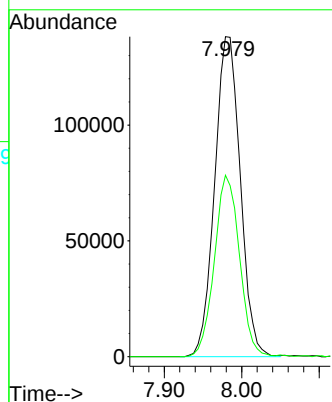
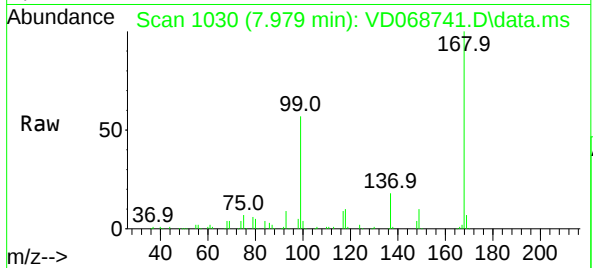




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

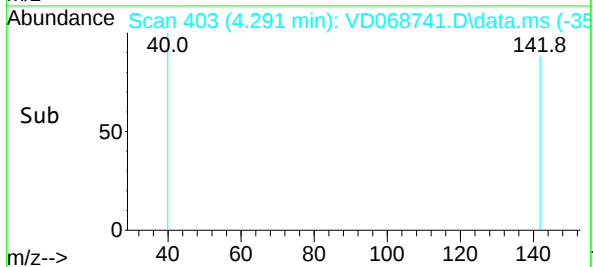
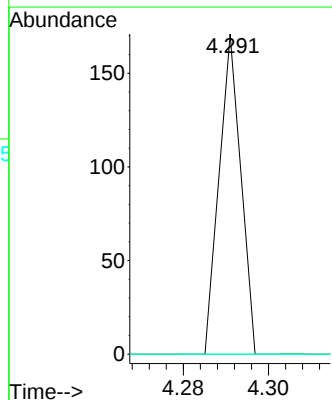
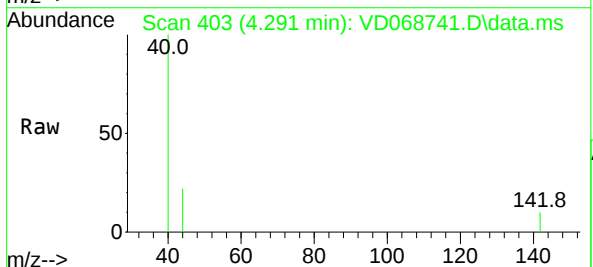
Instrument :
MSVOA_D
ClientSampleId :

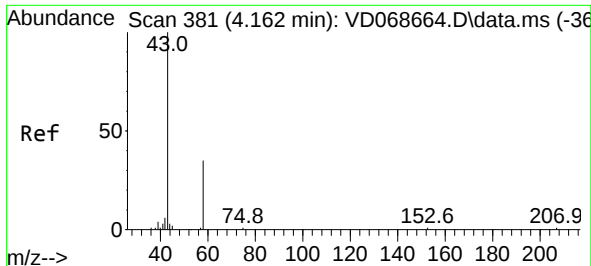
Tgt Ion:168 Resp: 318062
Ion Ratio Lower Upper
168 100
99 56.7 46.2 69.2



#10
Methyl Iodide
Concen: 3.48 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

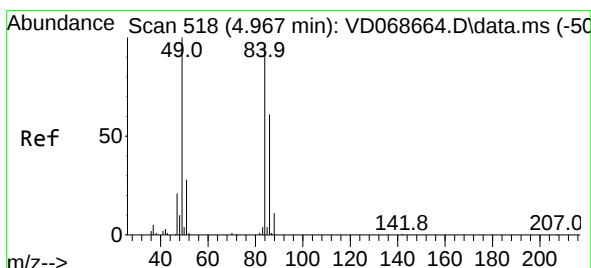
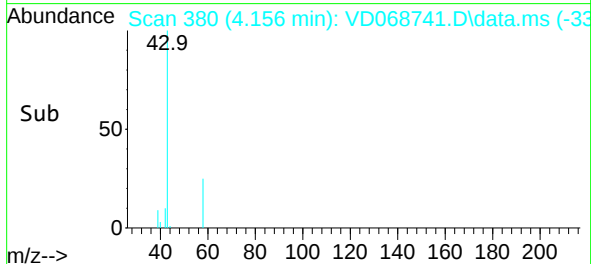
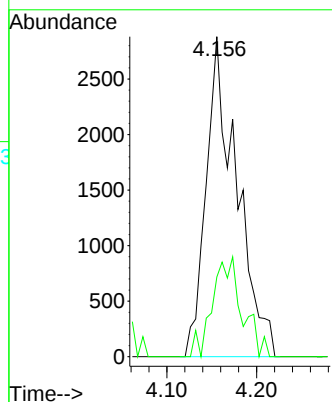
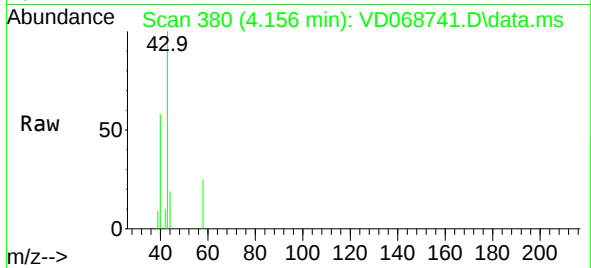




#16
Acetone
Concen: 17.51 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

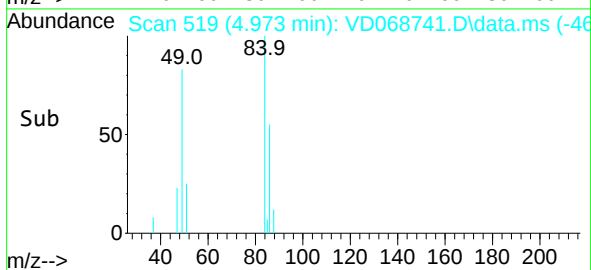
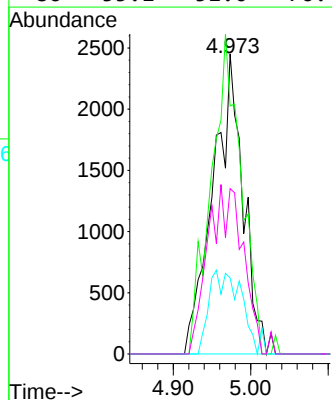
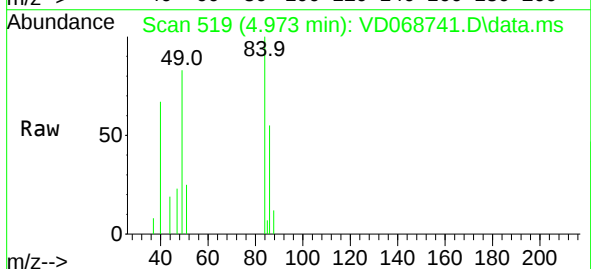
Instrument :
MSVOA_D
ClientSampleId :

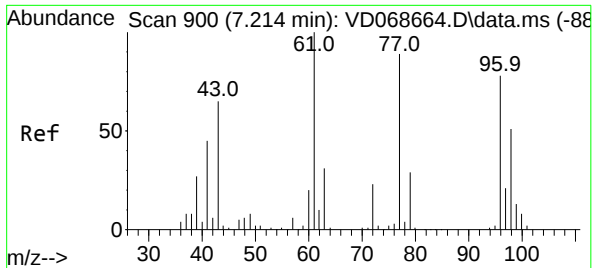
Tgt Ion: 43 Resp: 6815
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Tgt Ion: 84 Resp: 6660
Ion Ratio Lower Upper
84 100
49 82.6 83.4 125.0#
51 25.4 23.4 35.2
86 55.1 51.0 76.4

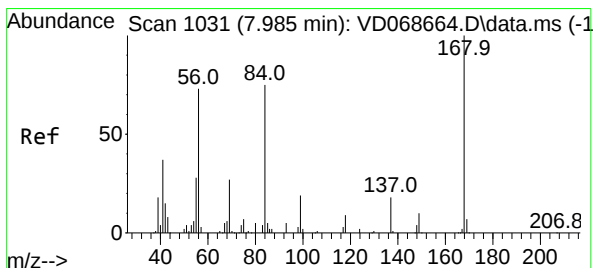
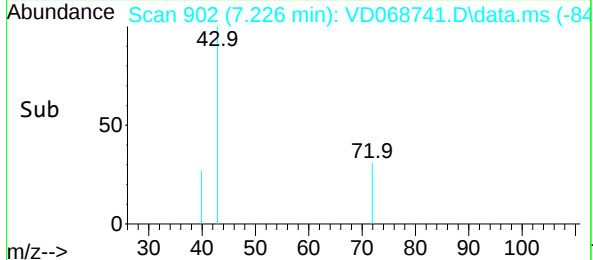
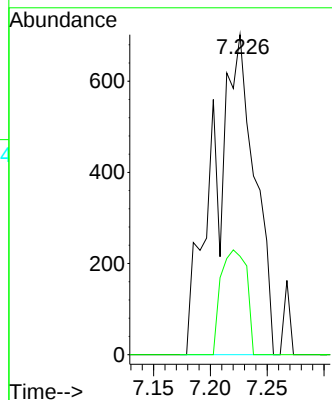
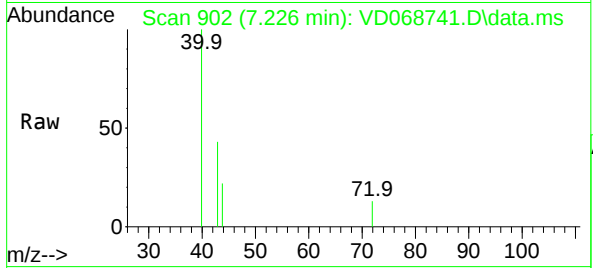




#25
2-Butanone
Concen: 2.69 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

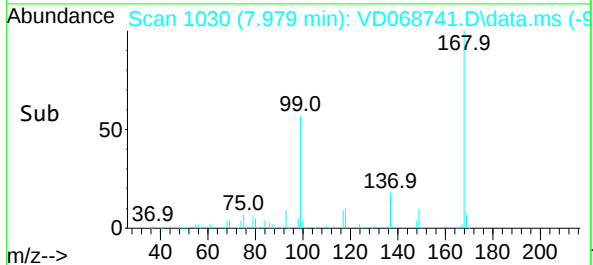
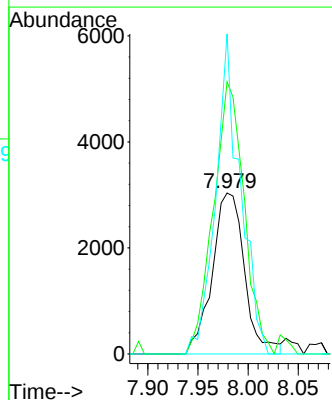
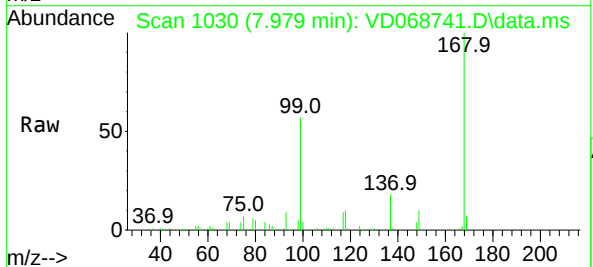
Instrument :
MSVOA_D
ClientSampled :

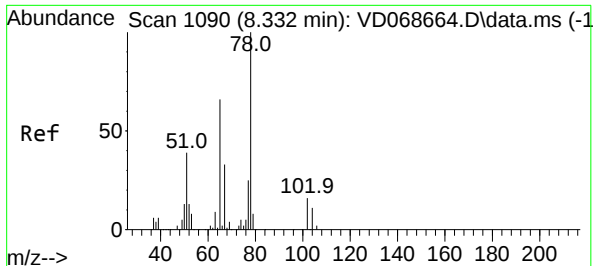
Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
72 30.8 28.6 43.0



#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Tgt Ion: 56 Resp: 6797
Ion Ratio Lower Upper
56 100
69 169.2 30.0 45.0#
84 198.9 82.0 123.0#





#33

1,2-Dichloroethane-d4

Concen: 50.97 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068741.D

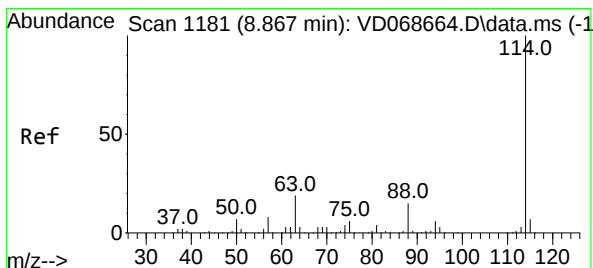
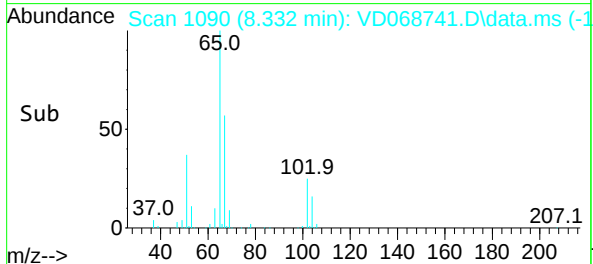
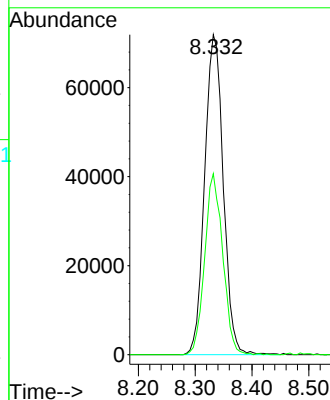
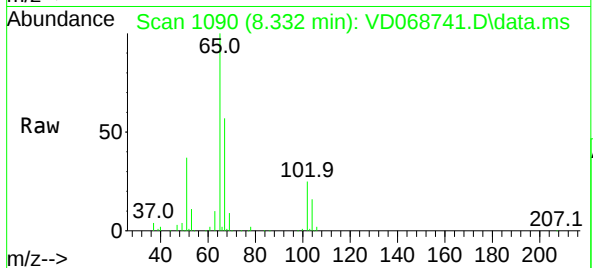
Acq: 31 Mar 2021 16:38

Tgt Ion: 65 Resp: 163481

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VD068741.D

Acq: 31 Mar 2021 16:38

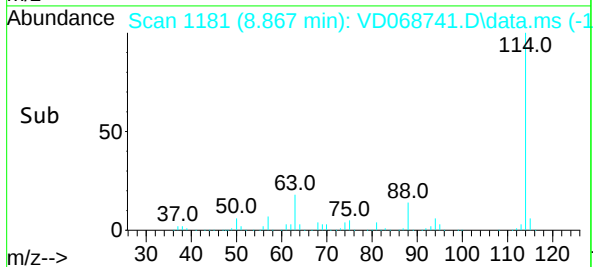
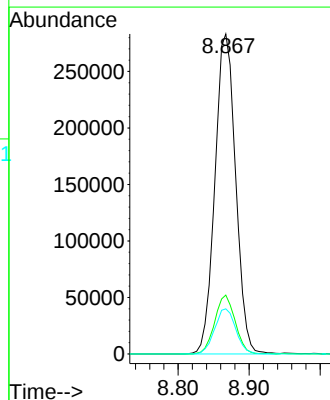
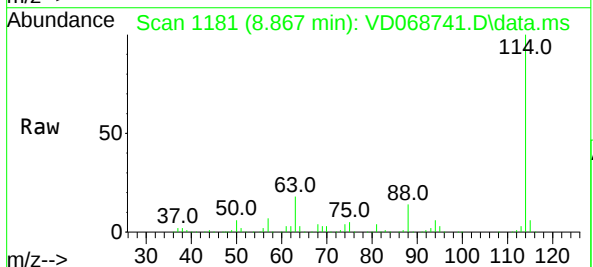
Tgt Ion: 114 Resp: 572903

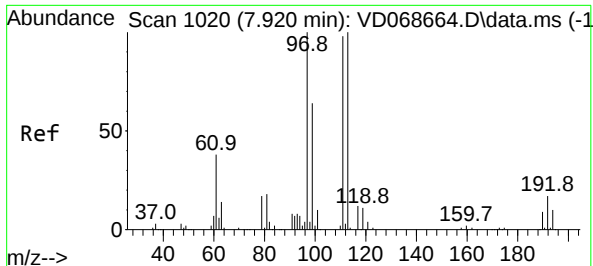
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.2

88 14.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.36 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068741.D

Acq: 31 Mar 2021 16:38

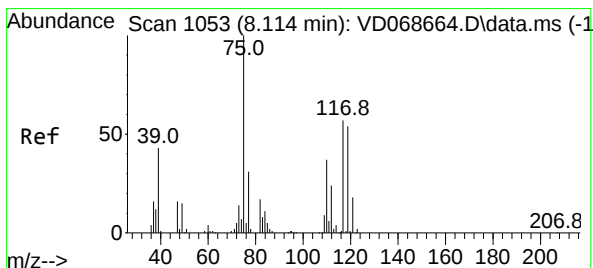
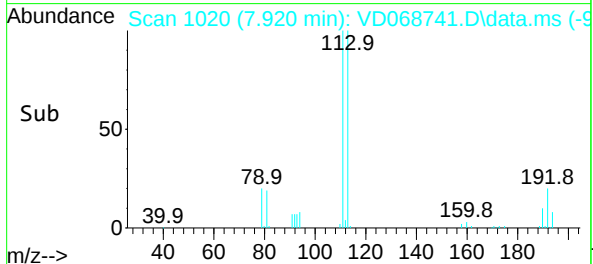
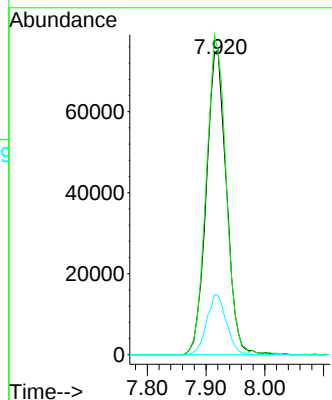
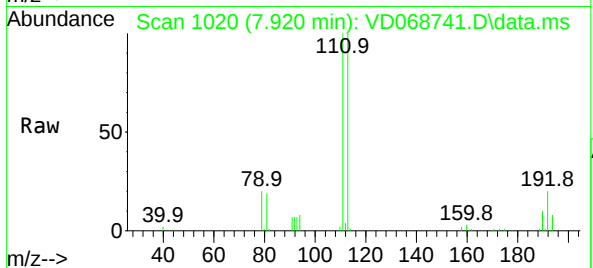
Tgt Ion:113 Resp: 179521

Ion Ratio Lower Upper

113 100

111 103.8 82.5 123.7

192 19.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.85 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068741.D

Acq: 31 Mar 2021 16:38

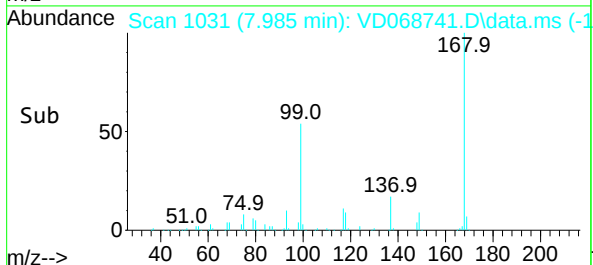
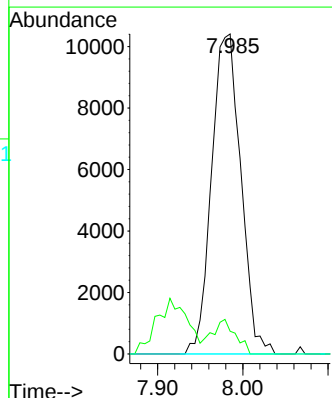
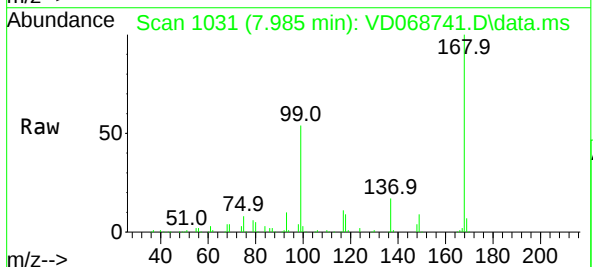
Tgt Ion: 75 Resp: 24815

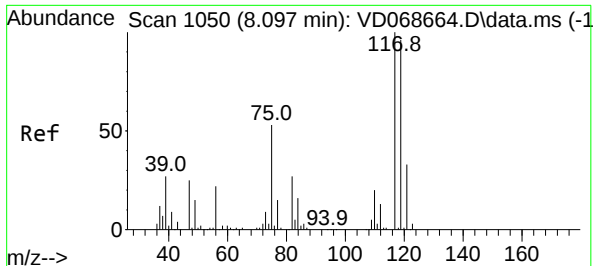
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

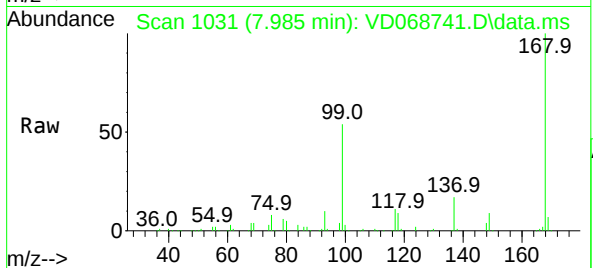
77 0.0 24.7 37.1#



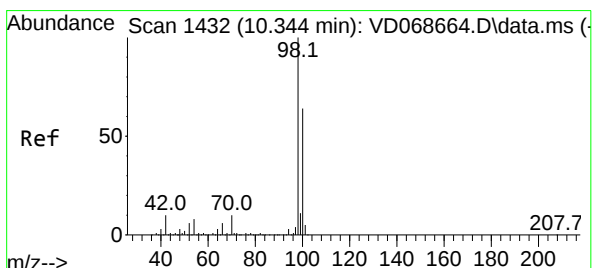
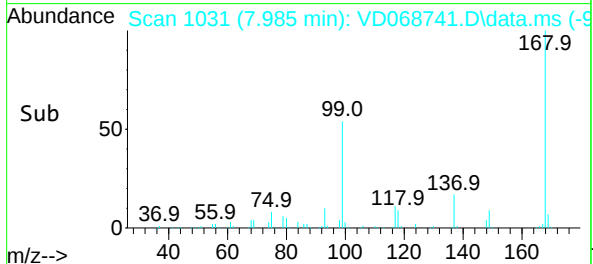
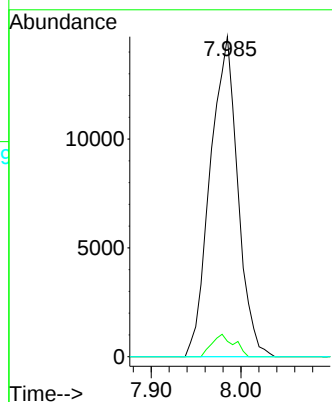


#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Instrument :
MSVOA_D
ClientSampled :

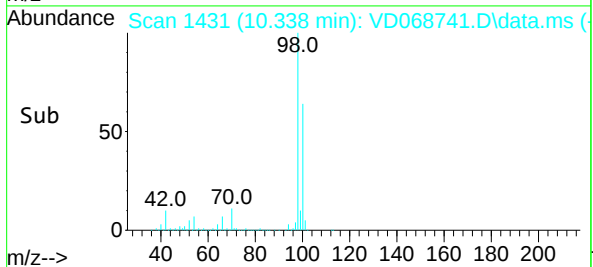
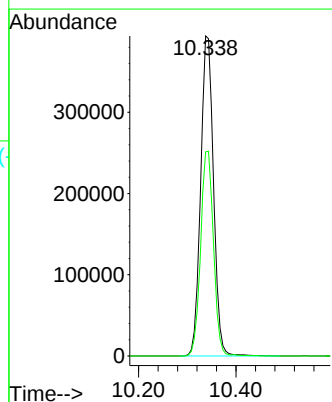
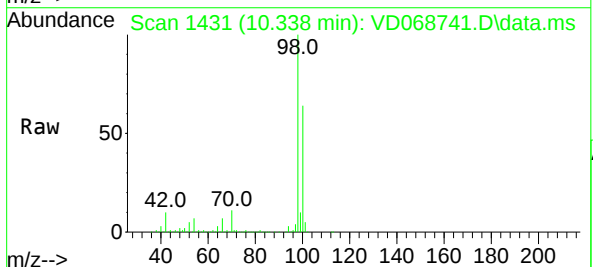


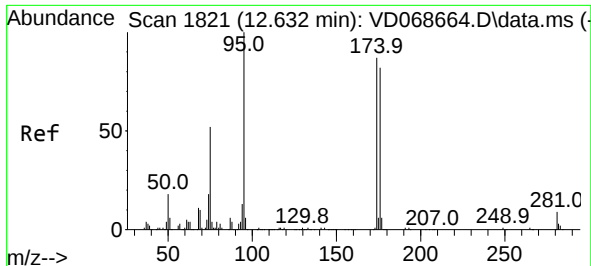
Tgt Ion:117 Resp: 31383
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.55 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Tgt Ion: 98 Resp: 722255
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

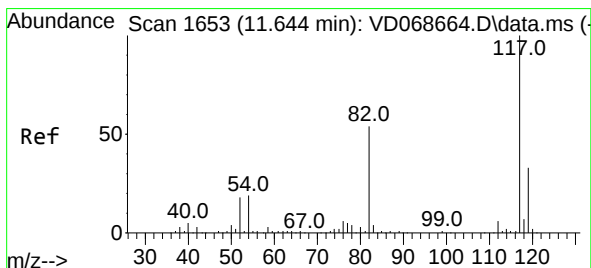
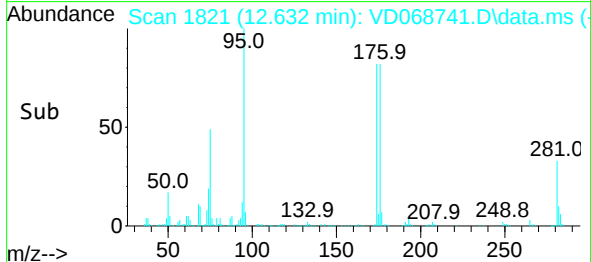
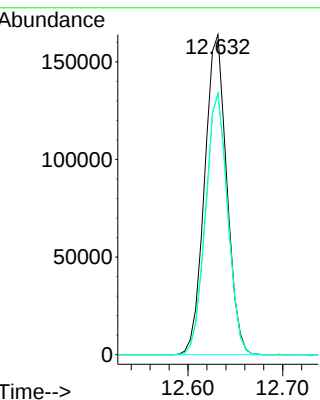
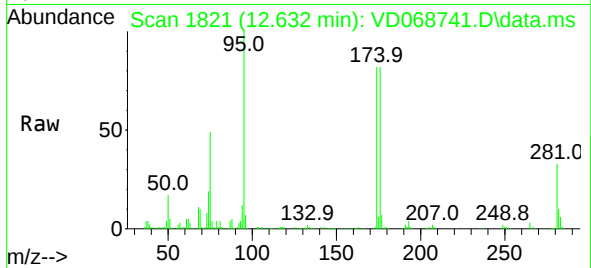




#62
4-Bromofluorobenzene
Concen: 59.76 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

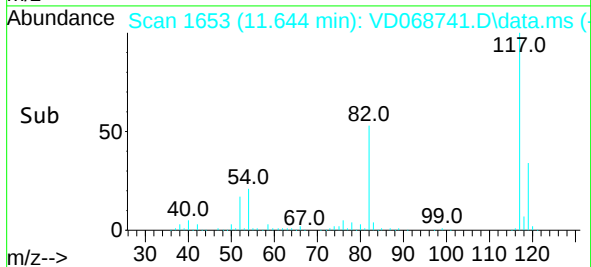
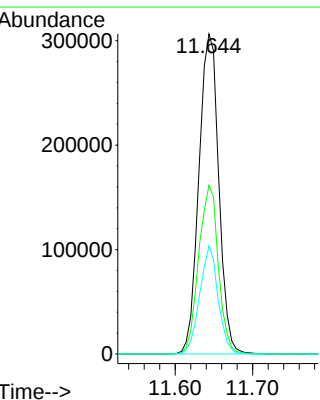
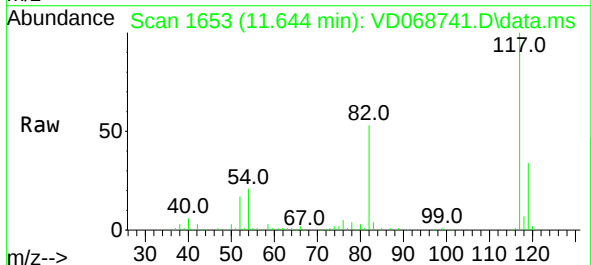
Instrument :
MSVOA_D
ClientSampleId :

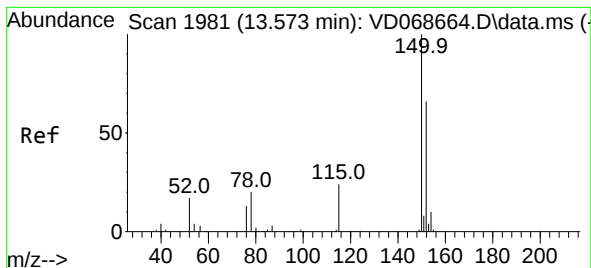
Tgt Ion: 95 Resp: 266282
Ion Ratio Lower Upper
95 100
174 81.9 0.0 168.0
176 81.7 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

Tgt Ion: 117 Resp: 546063
Ion Ratio Lower Upper
117 100
82 52.7 43.5 65.3
119 33.8 26.7 40.1

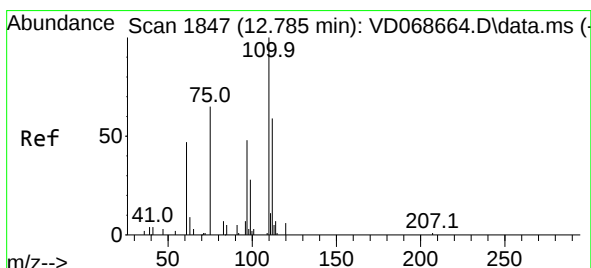
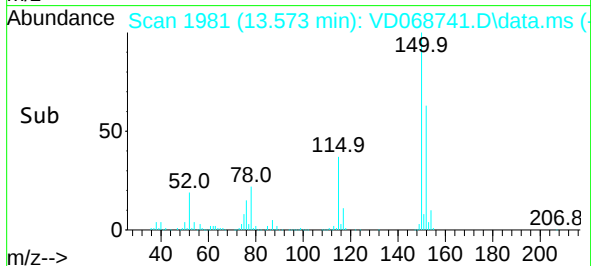
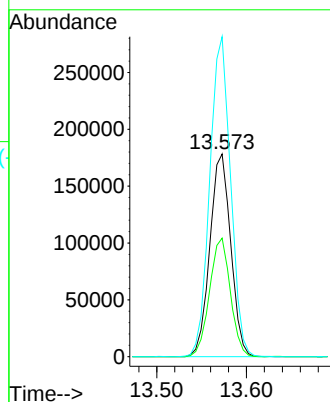
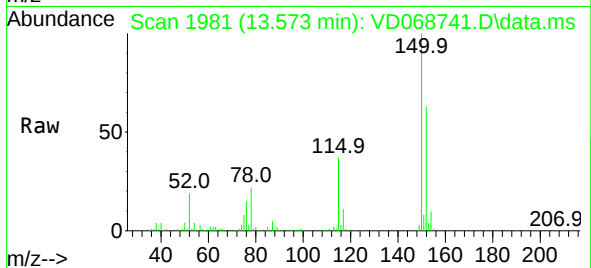




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

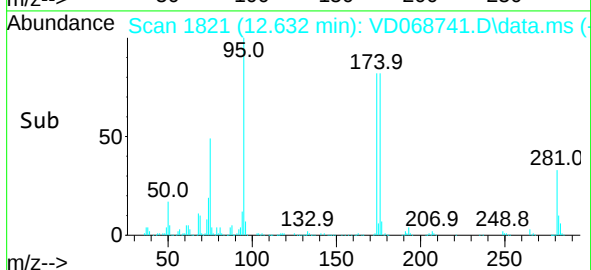
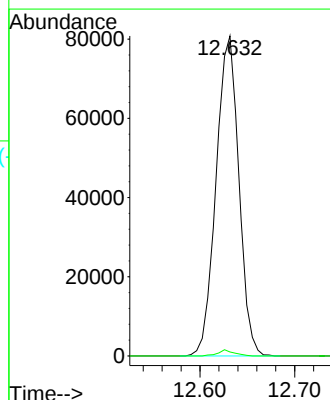
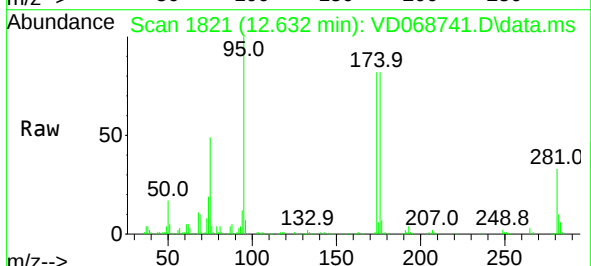
Instrument :
MSVOA_D
ClientSampled :

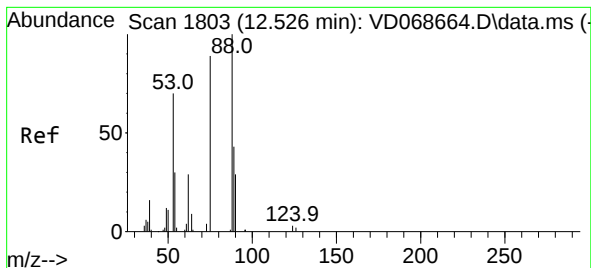
Tgt Ion:152 Resp: 288394
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.8
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 56.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068741.D
Acq: 31 Mar 2021 16:38

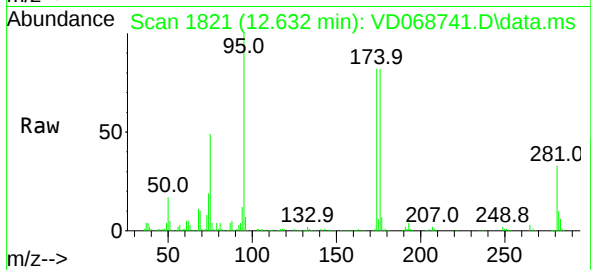
Tgt Ion: 75 Resp: 135141
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.09 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068741.D
 Acq: 31 Mar 2021 16:38

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 135141
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.5 36.6 54.8#

