

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072834.D
 Acq On : 06 May 2022 04:09
 Operator : VA/SY
 Sample : N2680-07
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2

Quant Time: May 06 04:24:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

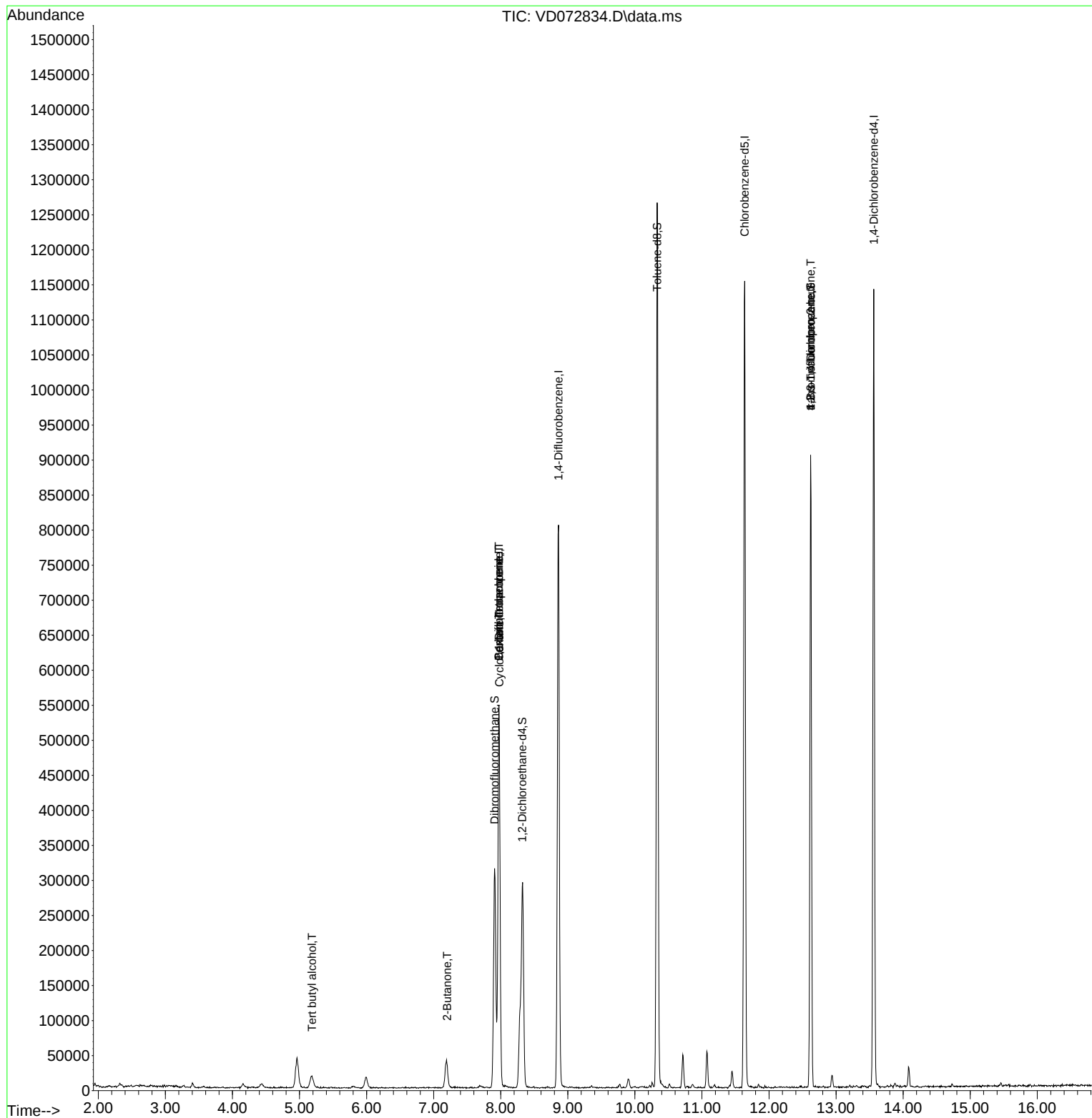
Internal Standards						
1) Pentafluorobenzene	7.973	168	374645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	677681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	650182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	224889	46.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.909	113	230007	48.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.332	98	830124	48.623	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.620	95	291450	45.783	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	904	Below Cal	#	47
11) Tert butyl alcohol	5.185	59	15456	36.733	ug/l #	74
16) Acetone	4.156	43	10506	Below Cal		96
18) Methyl Acetate	4.779	43	95	Below Cal	#	55
20) Methylene Chloride	4.962	84	31656	Below Cal		93
25) 2-Butanone	7.203	43	3082	2.175	ug/l	97
31) Cyclohexane	7.979	56	10296	1.211	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	33294	4.302	ug/l #	53
38) Carbon Tetrachloride	7.973	117	41278	5.138	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	153205	47.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	153205	109.689	ug/l #	7

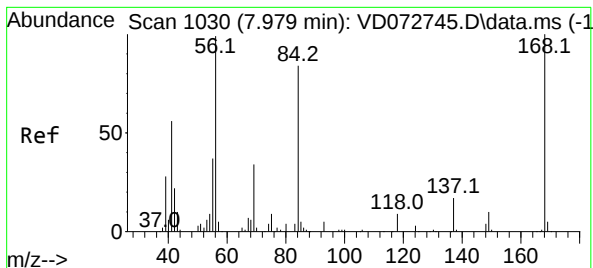
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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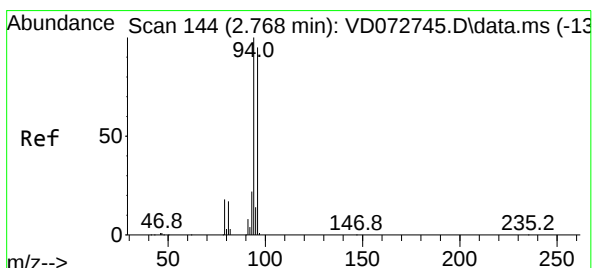
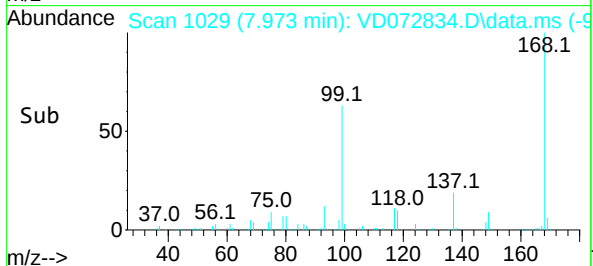
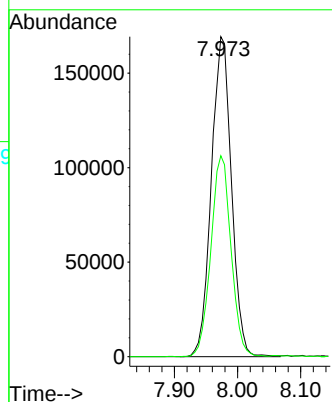
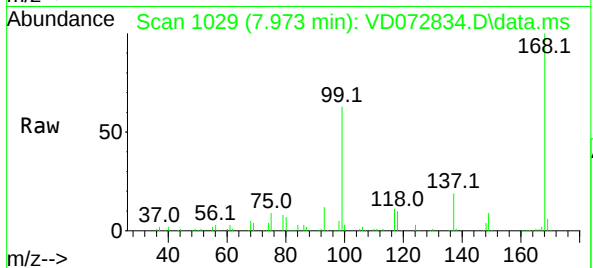




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

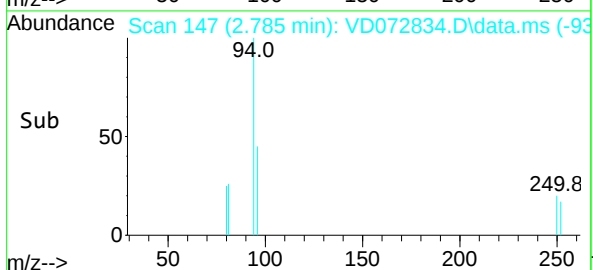
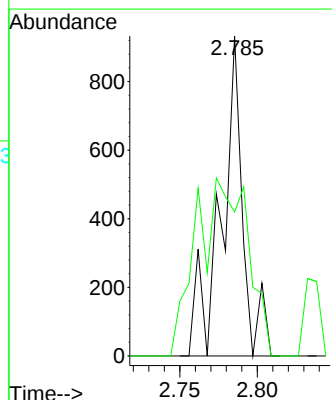
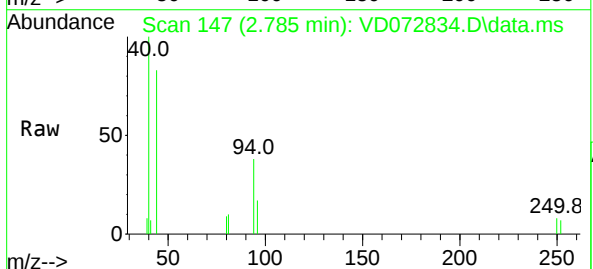
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

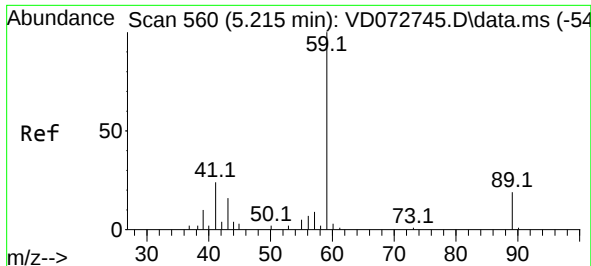
Tgt Ion:168 Resp: 374645
Ion Ratio Lower Upper
168 100
99 62.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

Tgt Ion: 94 Resp: 904
Ion Ratio Lower Upper
94 100
96 45.0 77.6 116.4#

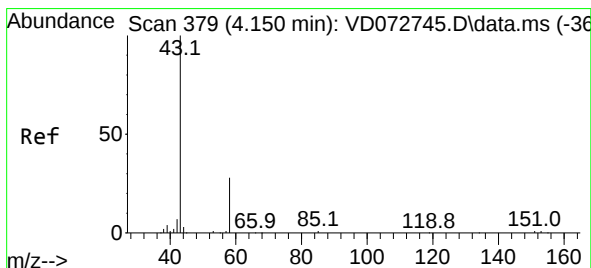
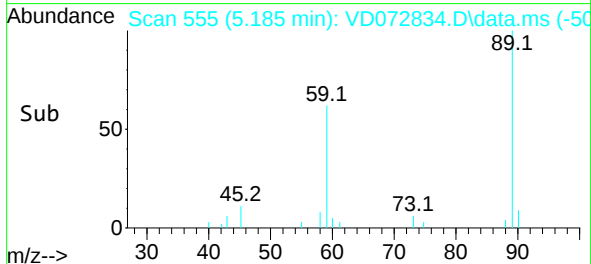
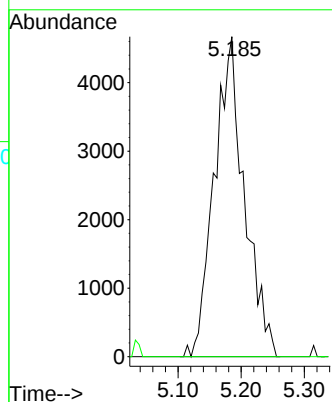
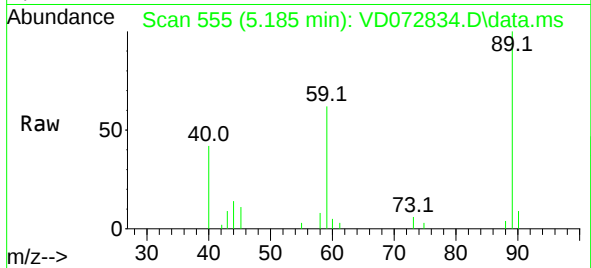




#11
Tert butyl alcohol
Concen: 36.733 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

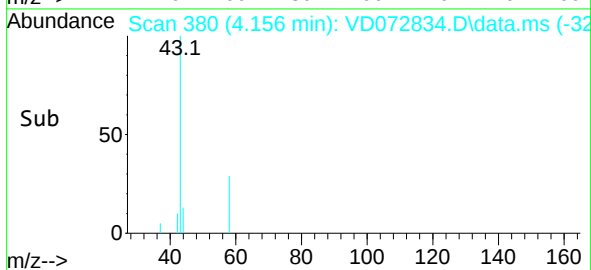
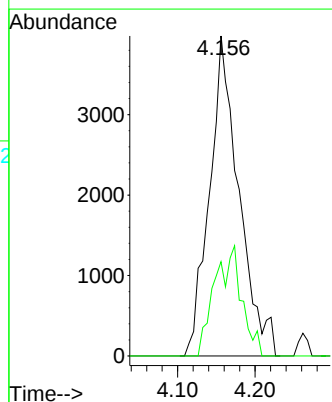
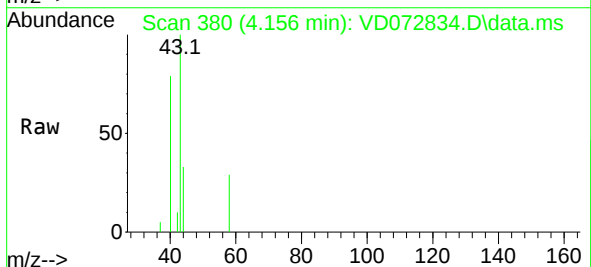
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

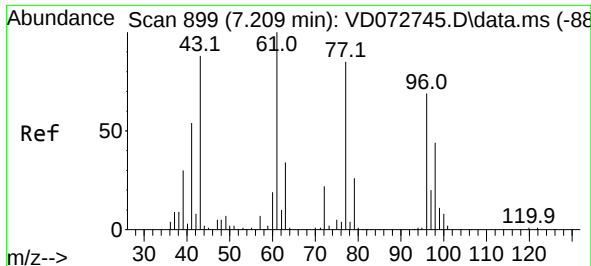
Tgt Ion: 59 Resp: 15456
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

Tgt Ion: 43 Resp: 10506
Ion Ratio Lower Upper
43 100
58 29.5 22.1 33.1

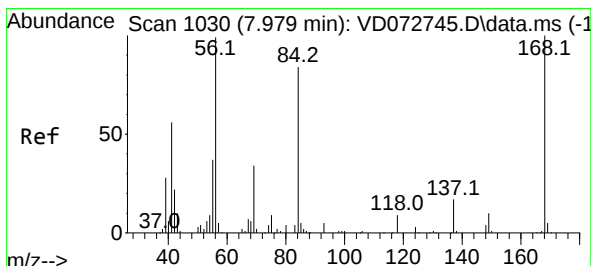
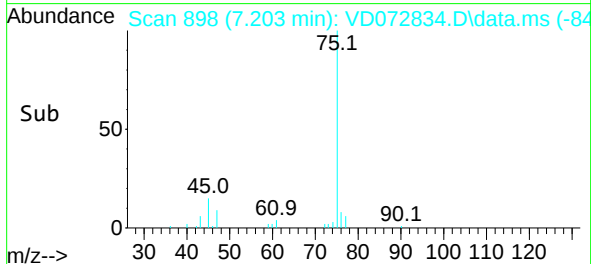
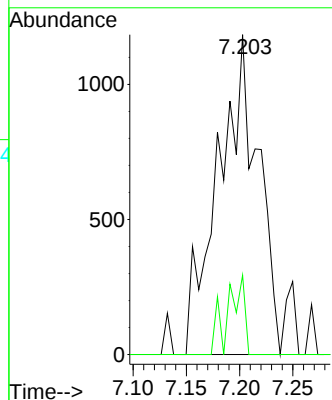
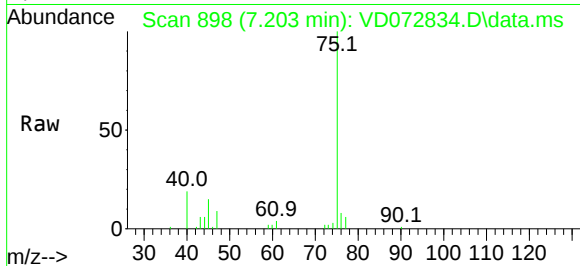




#25
2-Butanone
Concen: 2.175 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

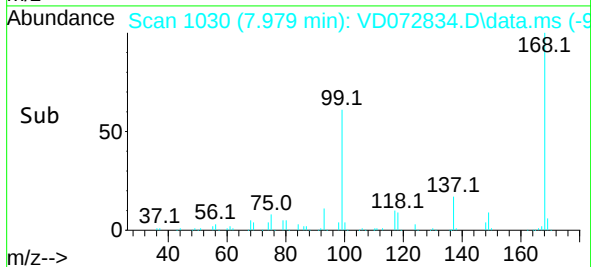
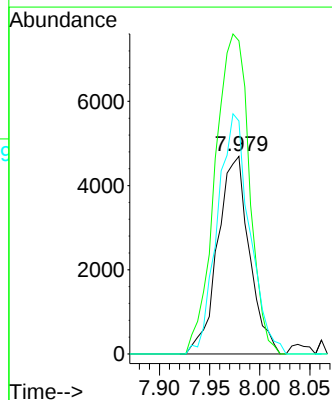
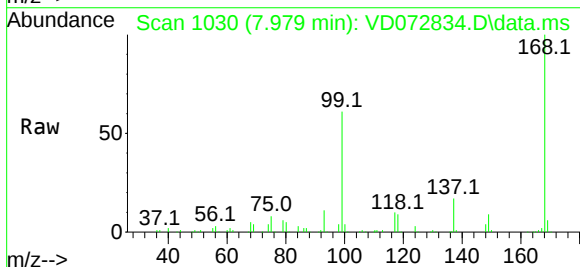
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

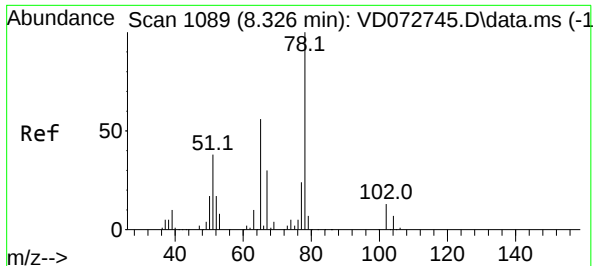
Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
72 24.8 18.6 27.8



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

Tgt Ion: 56 Resp: 10296
Ion Ratio Lower Upper
56 100
69 158.5 25.4 38.2#
84 117.9 63.0 94.4#

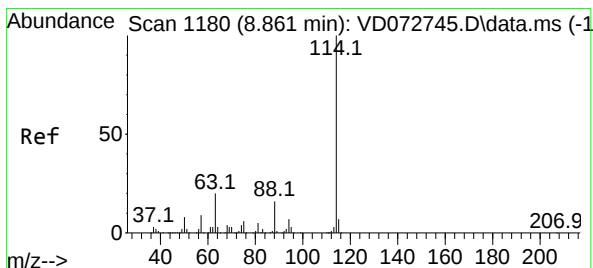
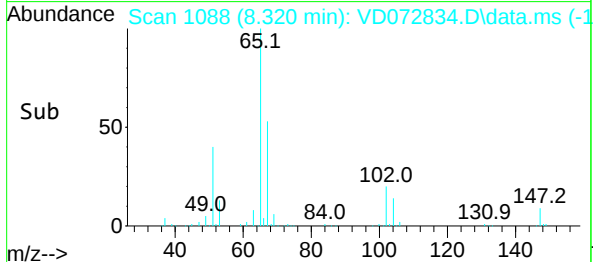
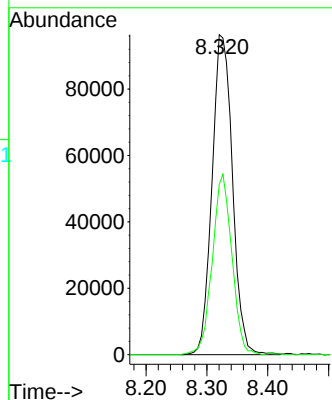
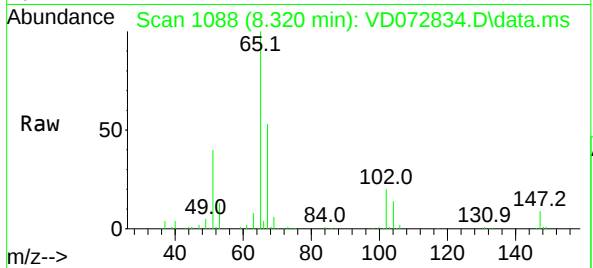




#33
 1,2-Dichloroethane-d4
 Concen: 46.243 ug/l
 RT: 8.320 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD072834.D
 Acq: 06 May 2022 04:09

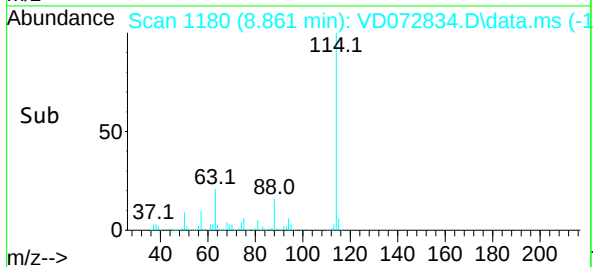
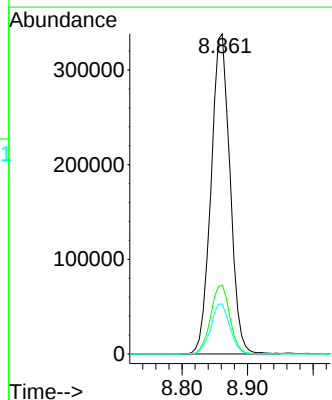
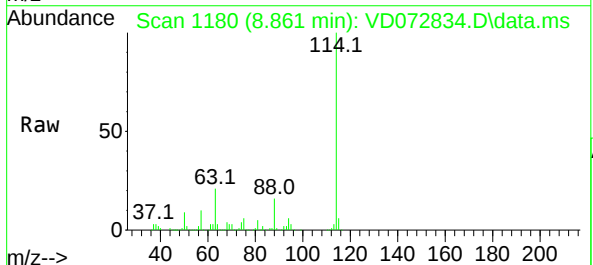
Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2

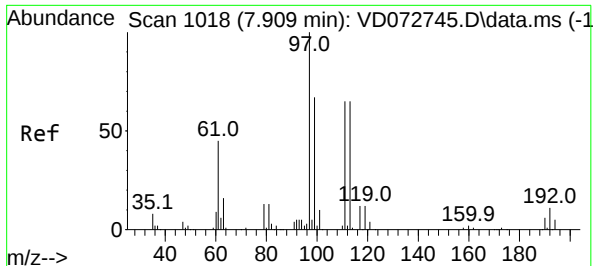
Tgt Ion: 65 Resp: 224889
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD072834.D
 Acq: 06 May 2022 04:09

Tgt Ion: 114 Resp: 677681
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 46.6
 88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.327 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072834.D

Acq: 06 May 2022 04:09

Instrument :

MSVOA_D

ClientSampleId :

B4-0-2

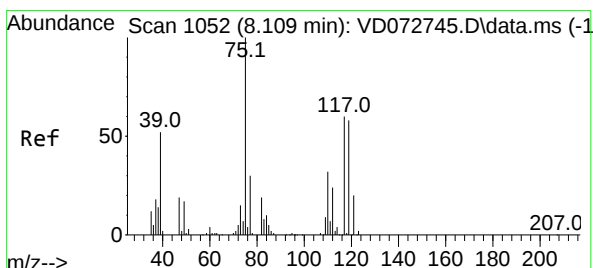
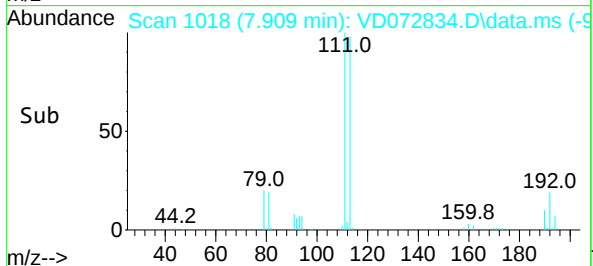
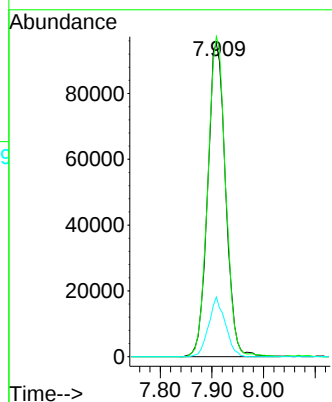
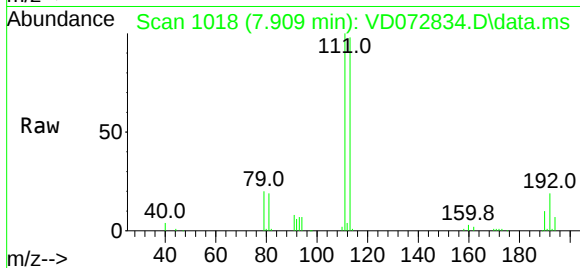
Tgt Ion:113 Resp: 230007

Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 17.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.302 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072834.D

Acq: 06 May 2022 04:09

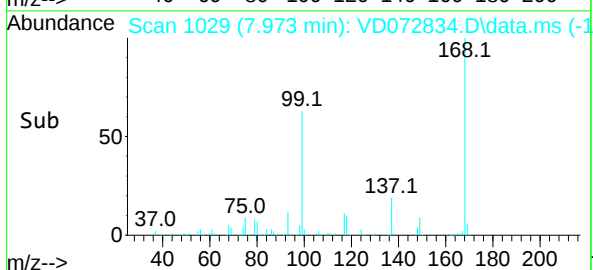
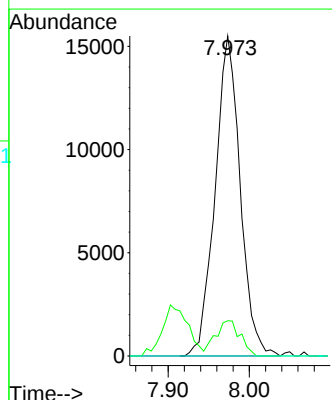
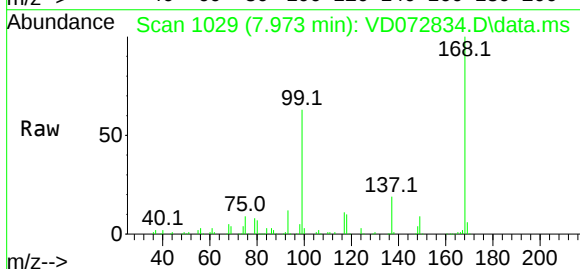
Tgt Ion: 75 Resp: 33294

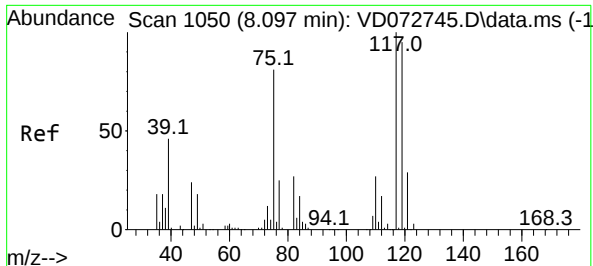
Ion Ratio Lower Upper

75 100

110 10.8 16.4 49.1#

77 0.0 24.2 36.2#

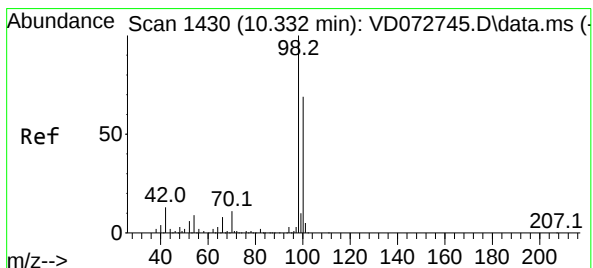
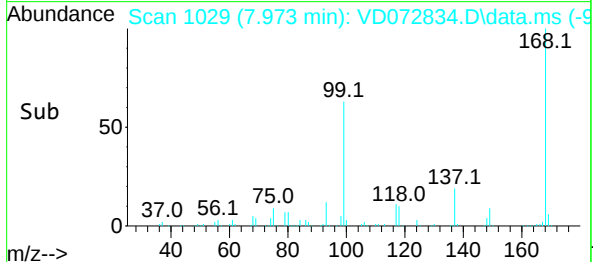
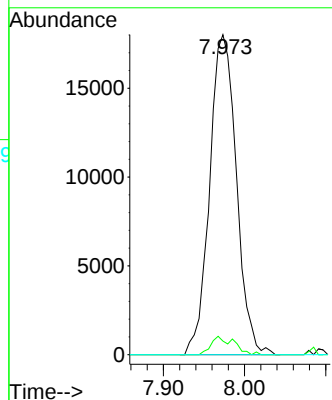
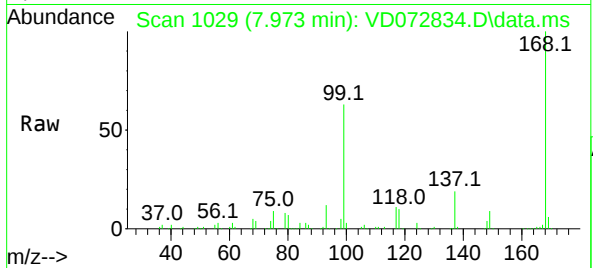




#38
Carbon Tetrachloride
Concen: 5.138 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

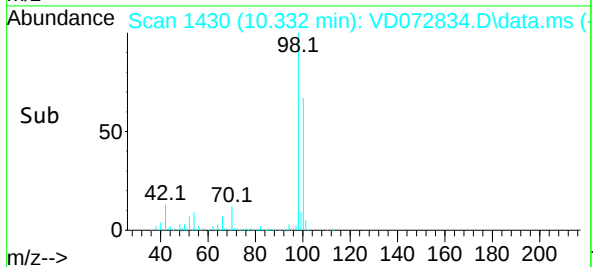
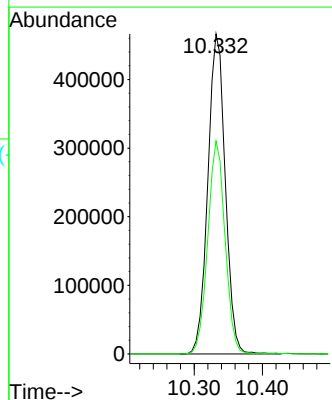
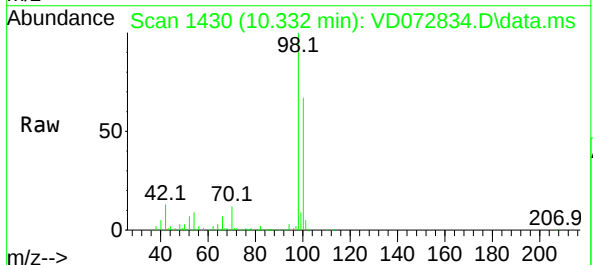
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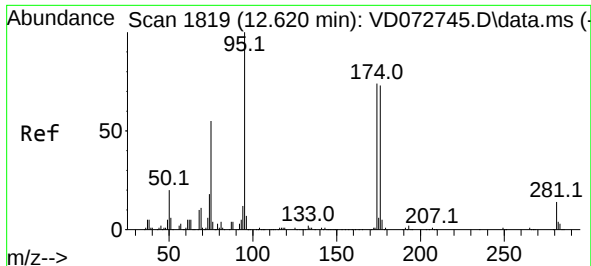
Tgt Ion:117 Resp: 41278
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.623 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

Tgt Ion: 98 Resp: 830124
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

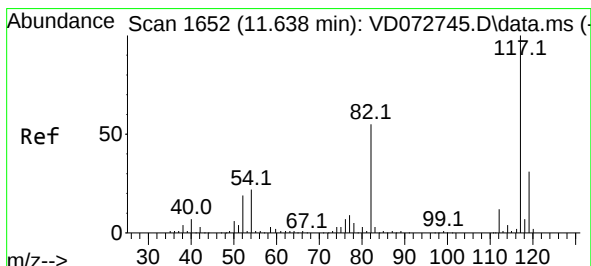
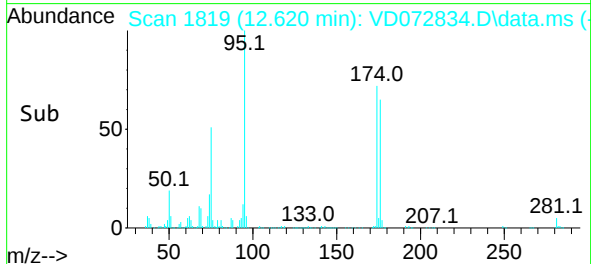
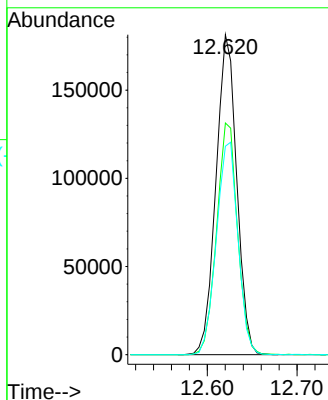
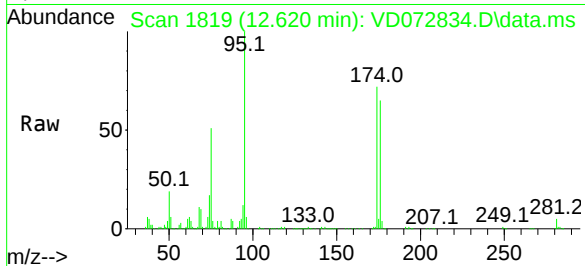




#62
4-Bromofluorobenzene
Concen: 45.783 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

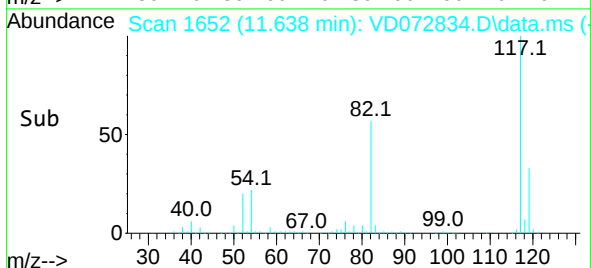
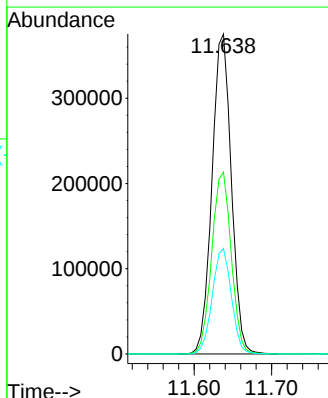
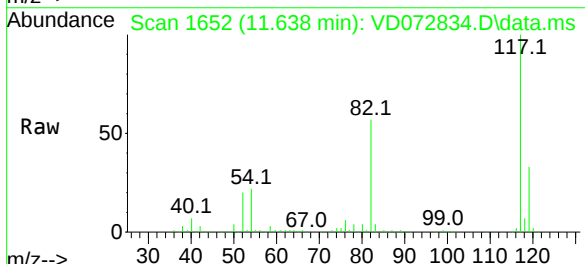
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

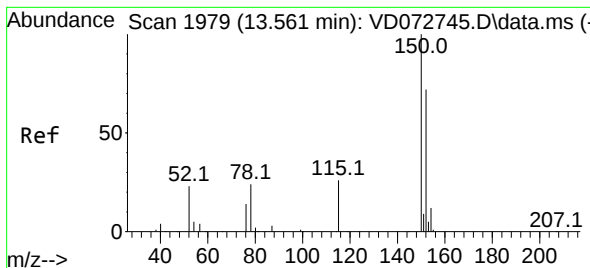
Tgt Ion: 95 Resp: 291450
Ion Ratio Lower Upper
95 100
174 72.9 0.0 152.8
176 68.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072834.D
Acq: 06 May 2022 04:09

Tgt Ion: 117 Resp: 650182
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 33.0 26.6 40.0

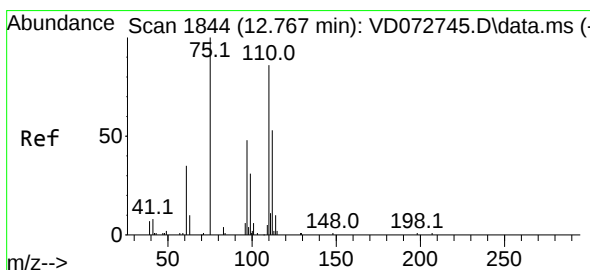
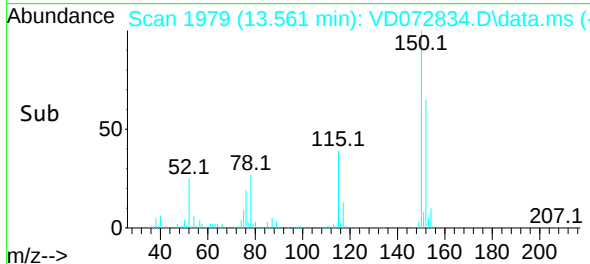
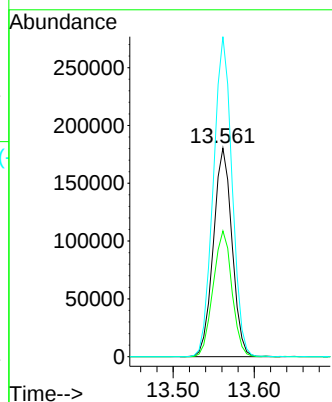
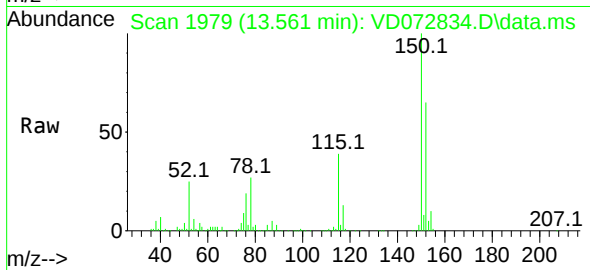




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072834.D
 Acq: 06 May 2022 04:09

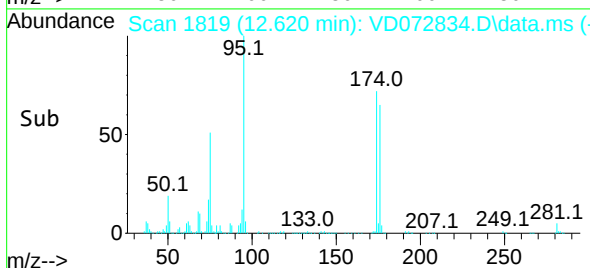
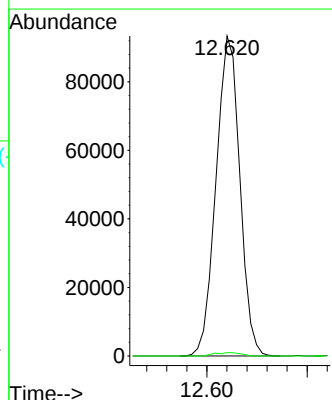
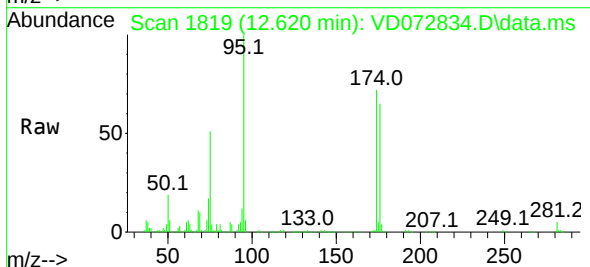
Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2

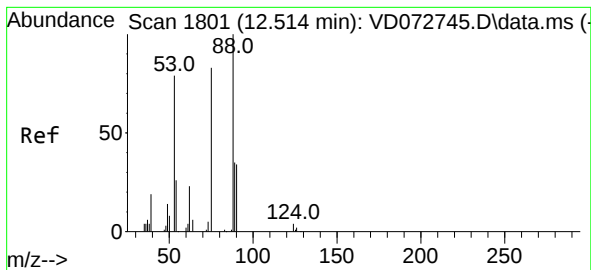
Tgt Ion:152 Resp: 288044
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.3 93.8
 150 154.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.699 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072834.D
 Acq: 06 May 2022 04:09

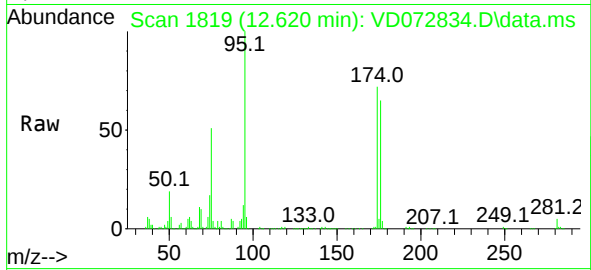
Tgt Ion: 75 Resp: 153205
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.689 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072834.D
 Acq: 06 May 2022 04:09

Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2



Tgt Ion: 75 Resp: 153205
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

