

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072783.D
 Acq On : 04 May 2022 12:36
 Operator : VA/SY
 Sample : N2641-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21

Quant Time: May 05 01:36:32 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)

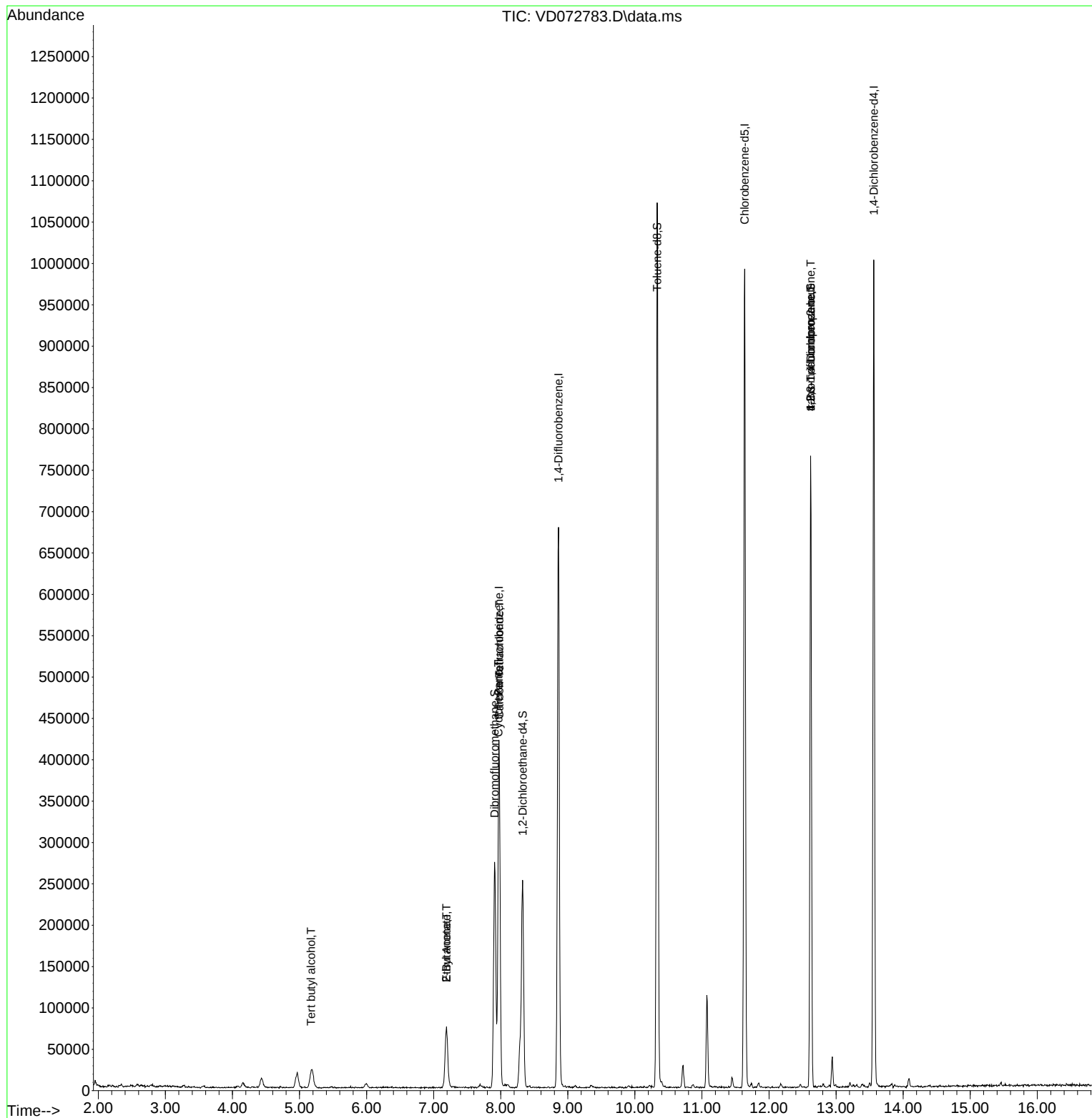
Internal Standards						
1) Pentafluorobenzene	7.973	168	297190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	569672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192011	49.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.540%
35) Dibromofluoromethane	7.909	113	195278	48.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.620%
50) Toluene-d8	10.332	98	706676	49.241	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.620	95	246788	46.118	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1339	Below Cal		99
11) Tert butyl alcohol	5.173	59	20800	62.317 ug/l	#	74
18) Methyl Acetate	4.726	43	160	Below Cal	#	55
20) Methylene Chloride	4.968	84	13035	Below Cal		91
25) 2-Butanone	7.191	43	4048	3.601 ug/l		94
31) Cyclohexane	7.967	56	8561	1.269 ug/l	#	10
37) Ethyl Acetate	7.191	43	4048	1.354 ug/l	#	1
38) Carbon Tetrachloride	7.979	117	32057	4.747 ug/l	#	17
76) 1,2,3-Trichloropropane	12.620	75	128407	45.560 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	128407	104.769 ug/l	#	7

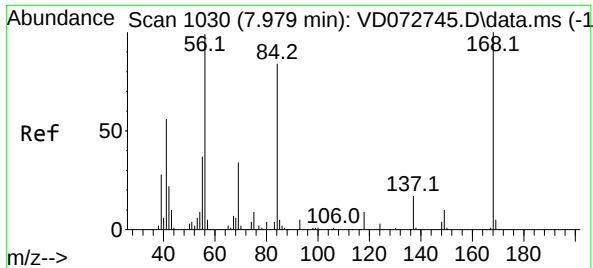
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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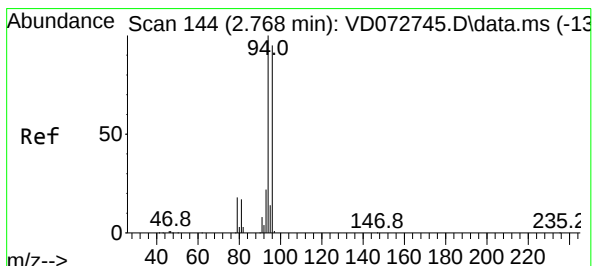
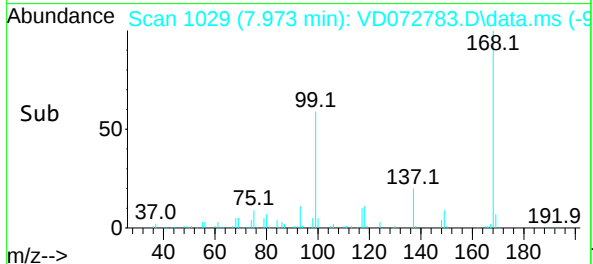
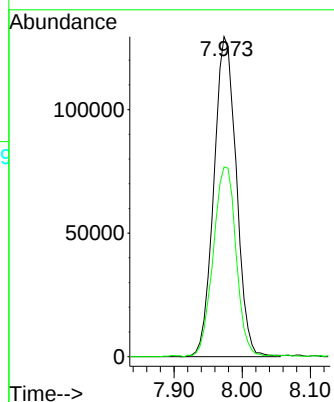
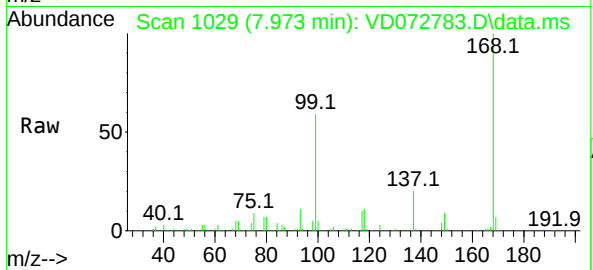




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

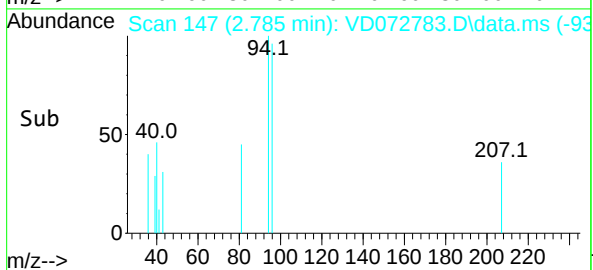
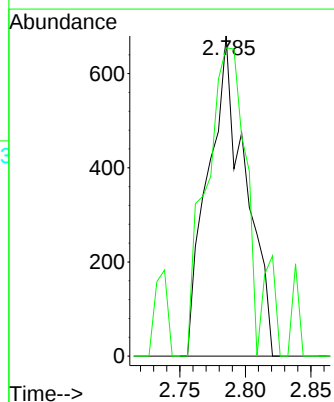
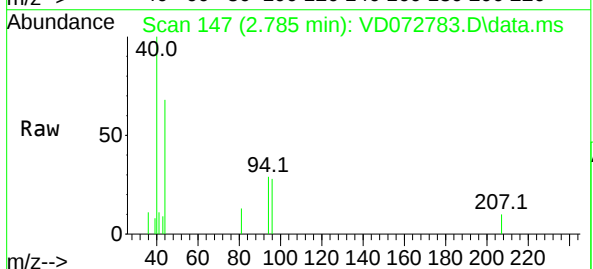
Instrument :
MSVOA_D
ClientSampleId :
TP-21

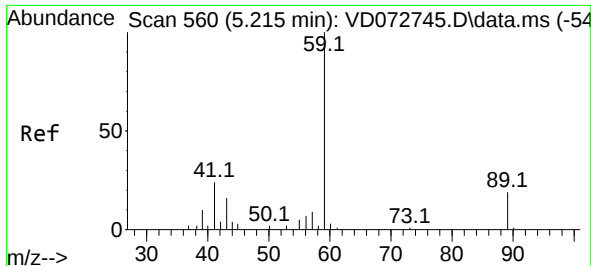
Tgt Ion:168 Resp: 297190
Ion Ratio Lower Upper
168 100
99 59.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

Tgt Ion: 94 Resp: 1339
Ion Ratio Lower Upper
94 100
96 96.3 77.6 116.4

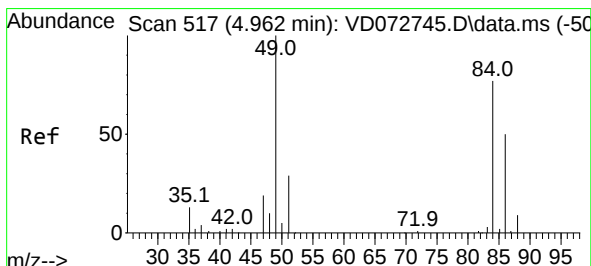
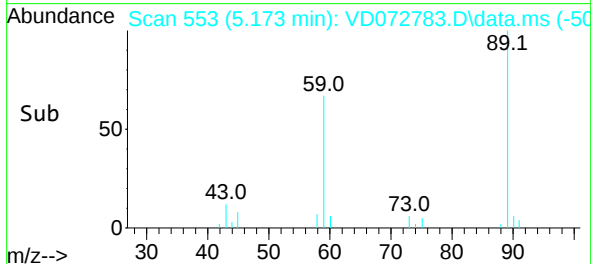
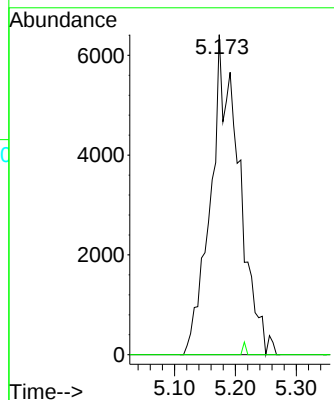
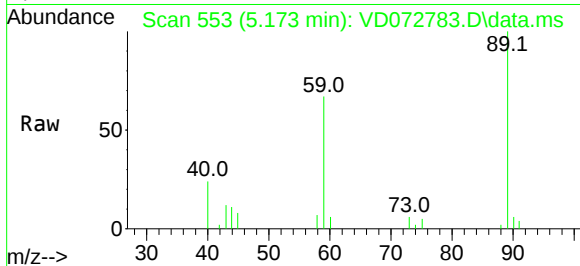




#11
Tert butyl alcohol
Concen: 62.317 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

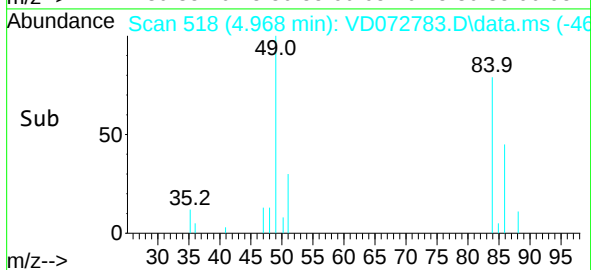
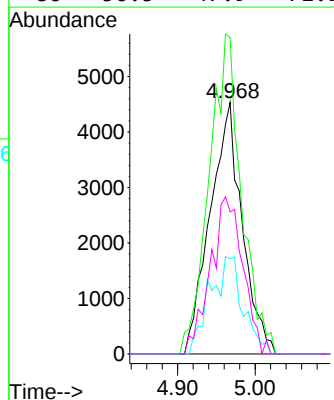
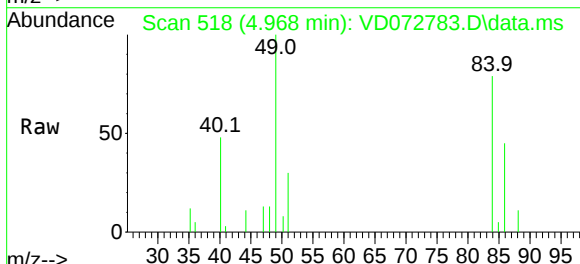
Instrument :
MSVOA_D
ClientSampleId :
TP-21

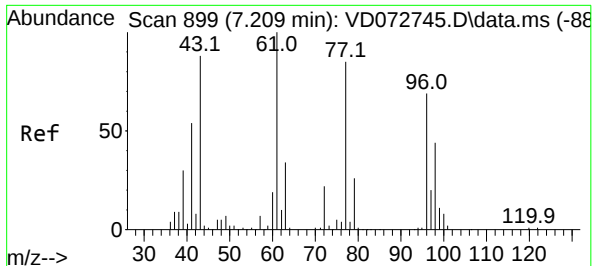
Tgt Ion: 59 Resp: 20800
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

Tgt Ion: 84 Resp: 13035
Ion Ratio Lower Upper
84 100
49 125.9 112.8 169.2
51 37.9 32.6 48.8
86 56.5 47.9 71.9

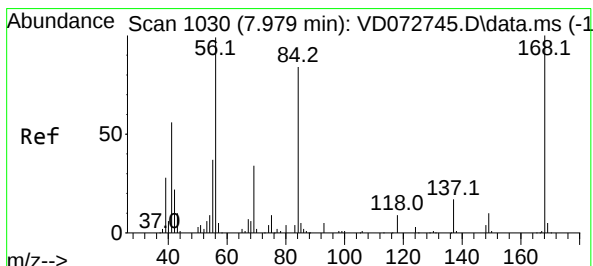
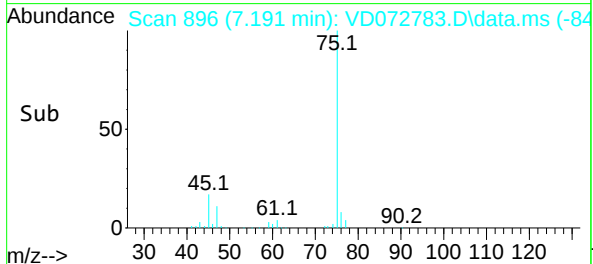
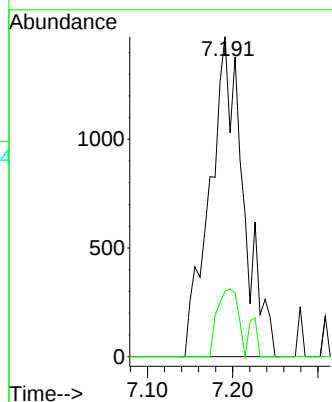
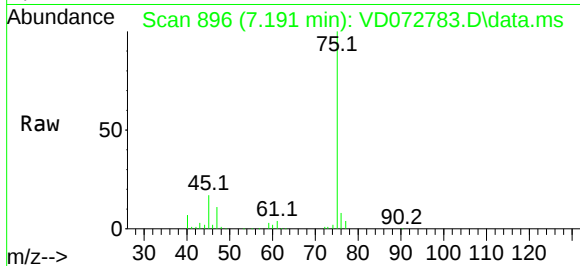




#25
2-Butanone
Concen: 3.601 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

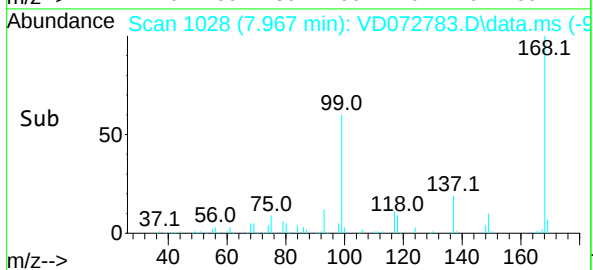
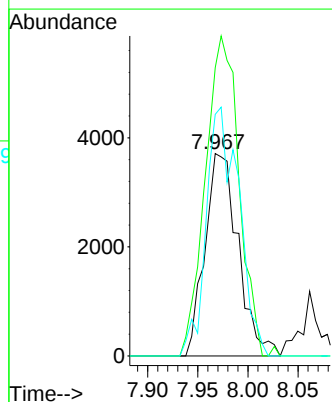
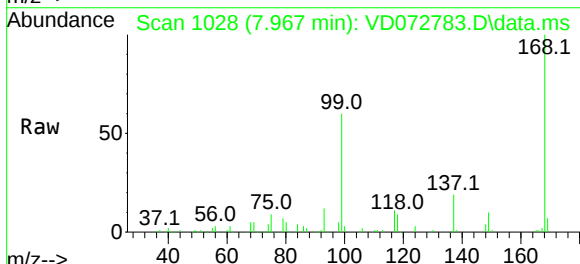
Instrument :
MSVOA_D
ClientSampleId :
TP-21

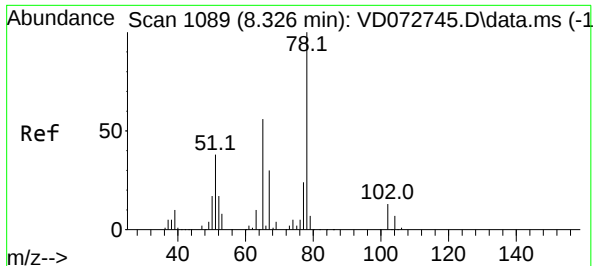
Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
72 20.4 18.6 27.8



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

Tgt Ion: 56 Resp: 8561
Ion Ratio Lower Upper
56 100
69 142.4 25.4 38.2#
84 119.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.773 ug/l

RT: 8.326 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072783.D

Acq: 04 May 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

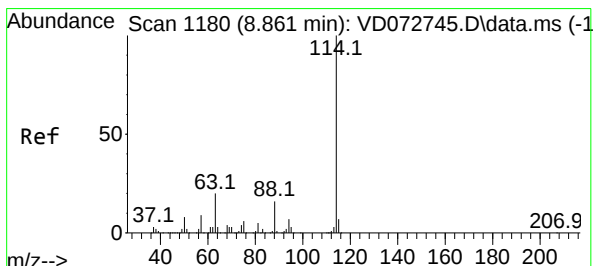
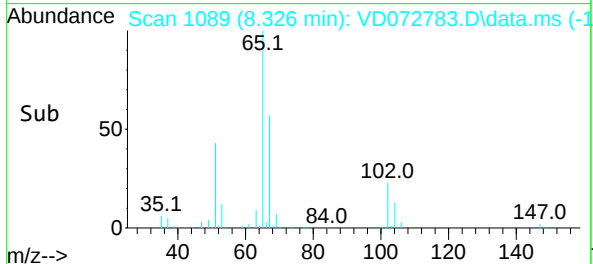
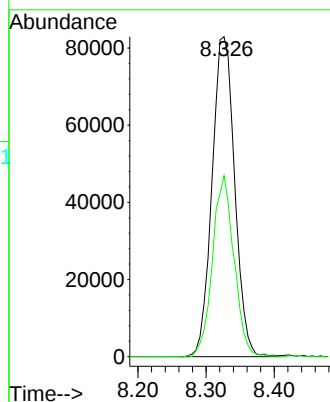
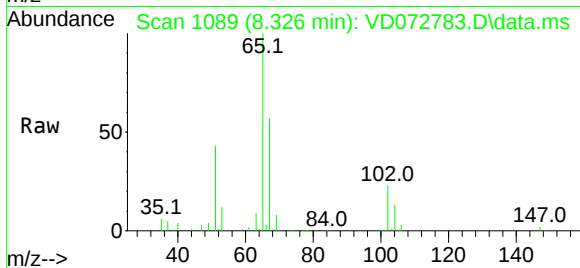
TP-21

Tgt Ion: 65 Resp: 192011

Ion Ratio Lower Upper

65 100

67 53.7 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: VD072783.D

Acq: 04 May 2022 12:36

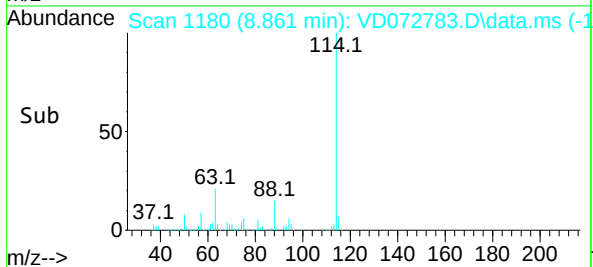
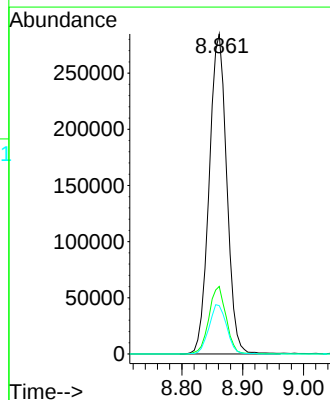
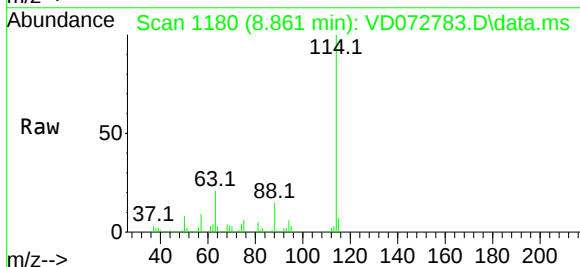
Tgt Ion: 114 Resp: 569672

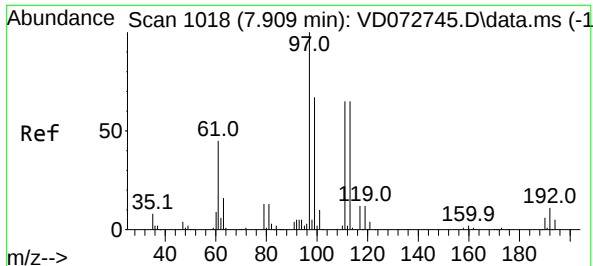
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.809 ug/l

RT: 7.909 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072783.D

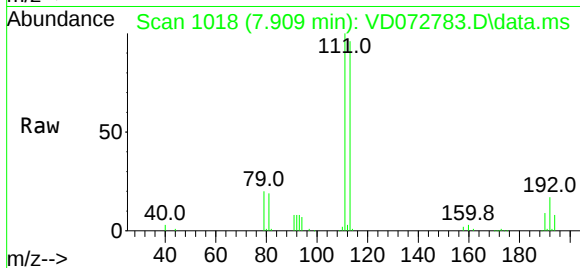
Acq: 04 May 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

TP-21



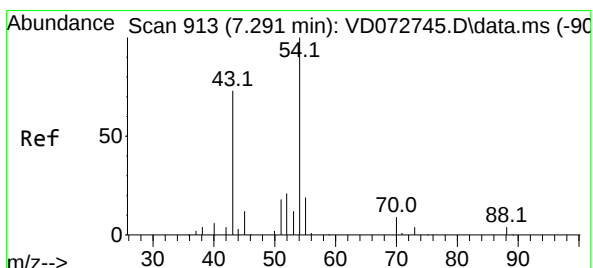
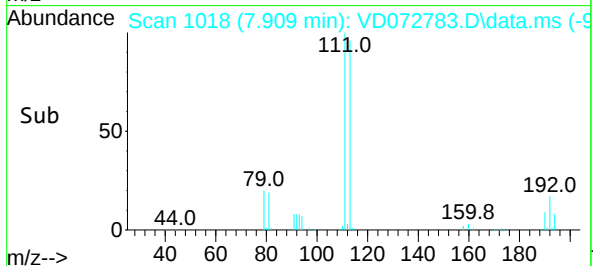
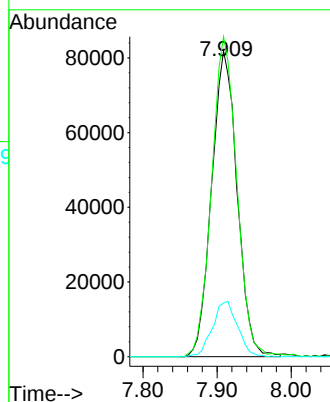
Tgt Ion:113 Resp: 195278

Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 17.8 14.6 21.8



#37

Ethyl Acetate

Concen: 1.354 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD072783.D

Acq: 04 May 2022 12:36

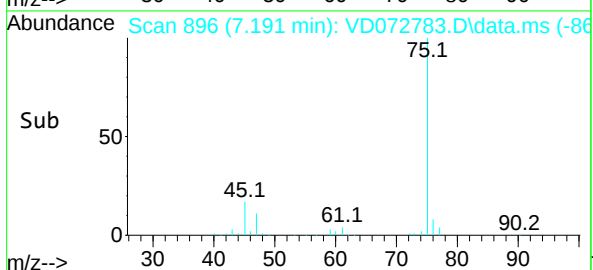
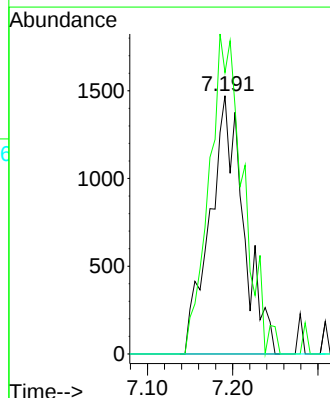
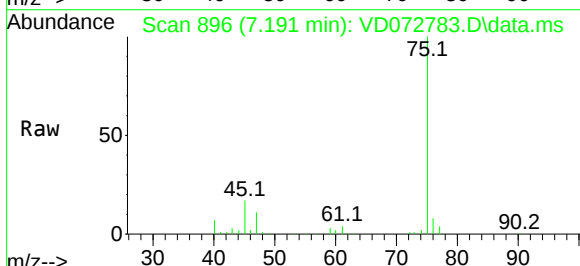
Tgt Ion: 43 Resp: 4048

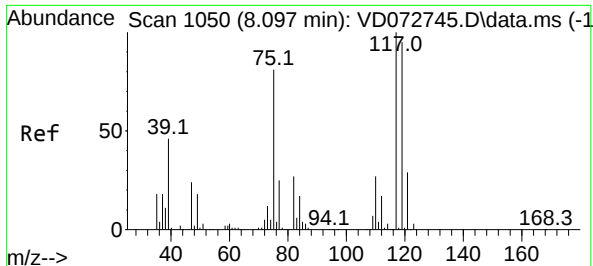
Ion Ratio Lower Upper

43 100

61 125.3 9.8 14.8#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 4.747 ug/l

RT: 7.979 min Scan# 1050

Delta R.T. -0.118 min

Lab File: VD072783.D

Acq: 04 May 2022 12:36

Instrument :

MSVOA_D

ClientSampleId :

TP-21

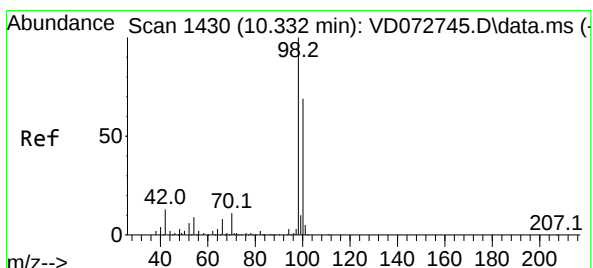
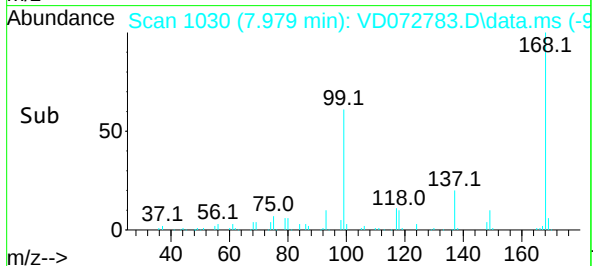
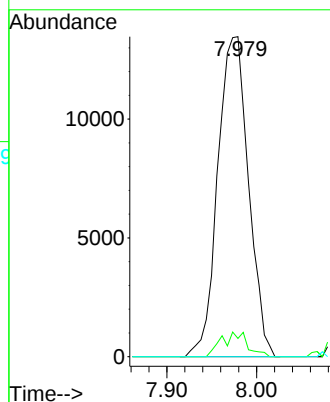
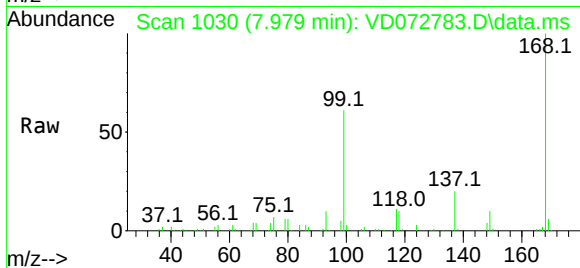
Tgt Ion:117 Resp: 32057

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 49.241 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD072783.D

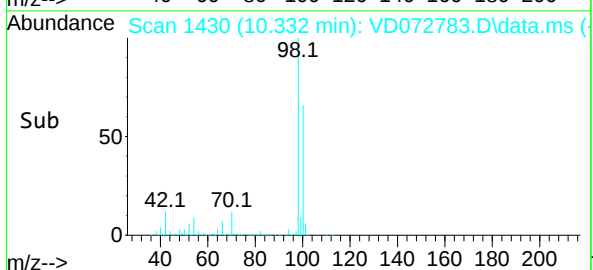
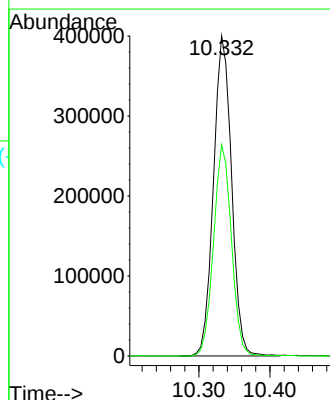
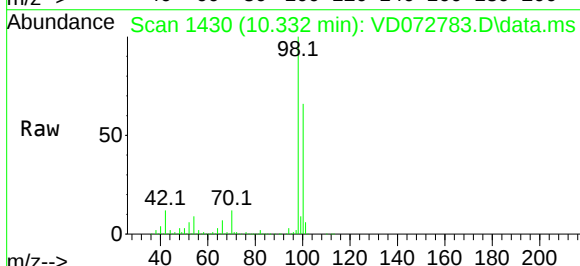
Acq: 04 May 2022 12:36

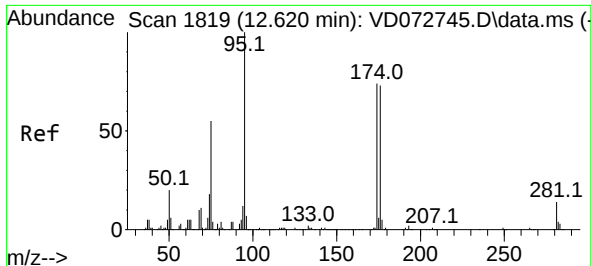
Tgt Ion: 98 Resp: 706676

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

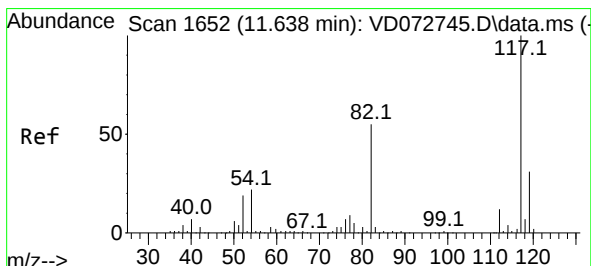
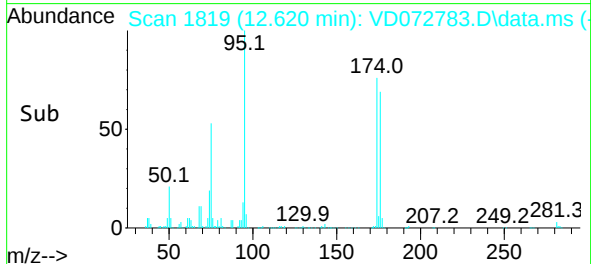
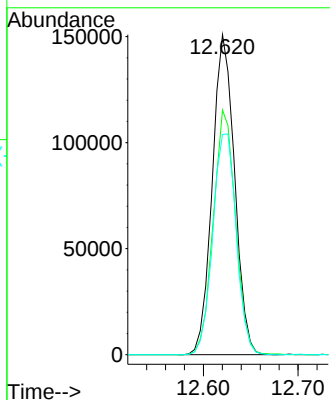
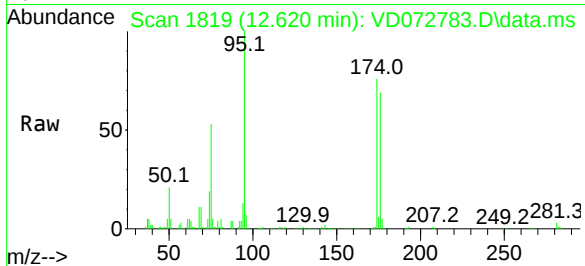




#62
4-Bromofluorobenzene
Concen: 46.118 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

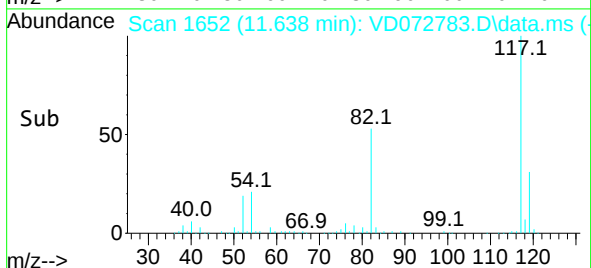
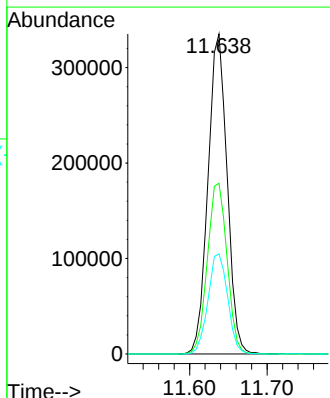
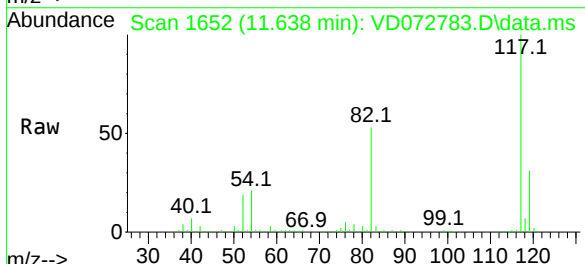
Instrument :
MSVOA_D
ClientSampleId :
TP-21

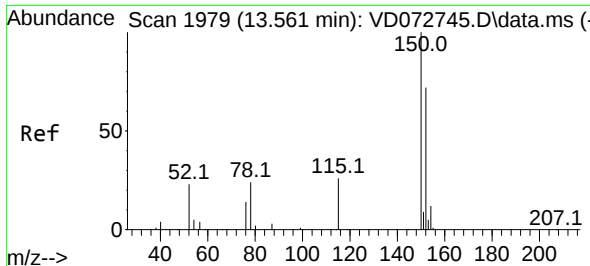
Tgt Ion: 95 Resp: 246788
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 72.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072783.D
Acq: 04 May 2022 12:36

Tgt Ion: 117 Resp: 574575
Ion Ratio Lower Upper
117 100
82 53.4 45.3 67.9
119 31.2 26.6 40.0

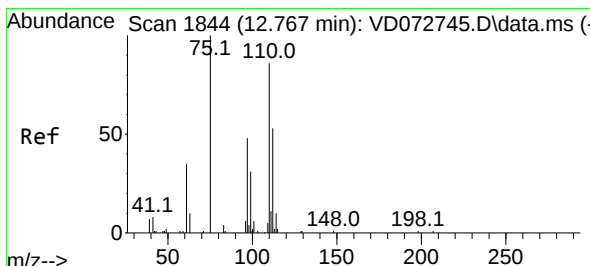
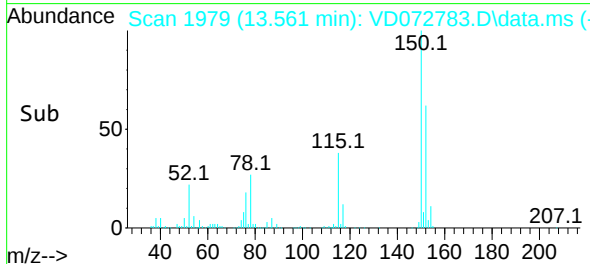
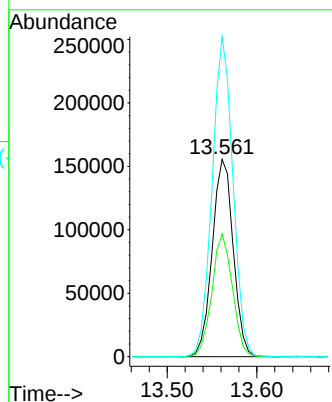
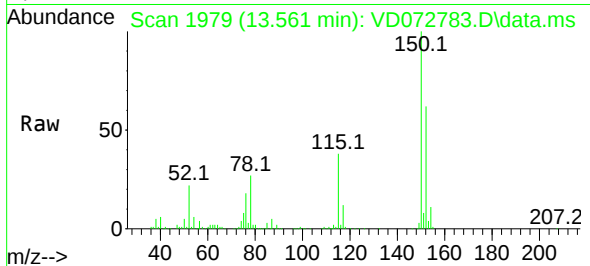




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072783.D
 Acq: 04 May 2022 12:36

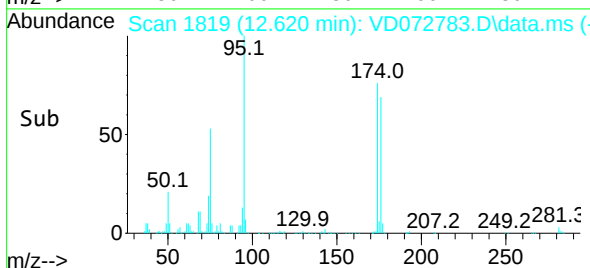
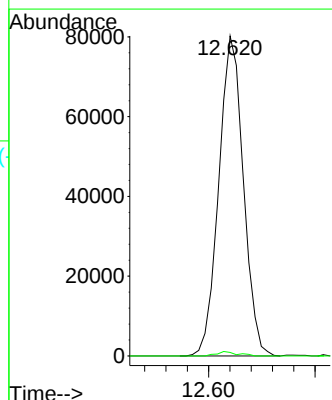
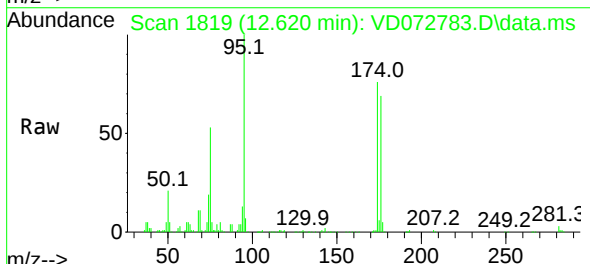
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21

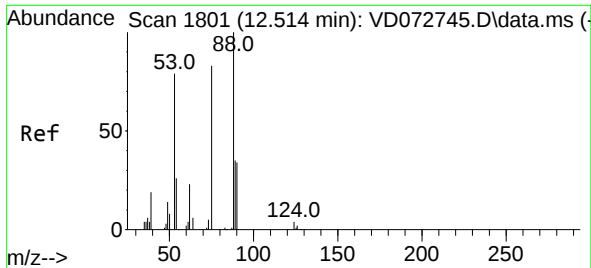
Tgt Ion:152 Resp: 252759
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.3 93.8
 150 160.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.560 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072783.D
 Acq: 04 May 2022 12:36

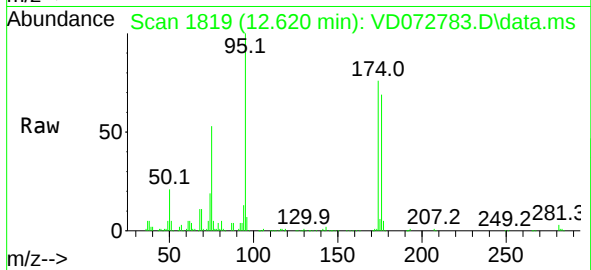
Tgt Ion: 75 Resp: 128407
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.769 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072783.D
 Acq: 04 May 2022 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21



Tgt Ion: 75 Resp: 128407
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

