

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082521\
 Data File : VD070253.D
 Acq On : 25 Aug 2021 16:09
 Operator : VA/SY
 Sample : M3524-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-2

Quant Time: Aug 26 02:45:38 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)

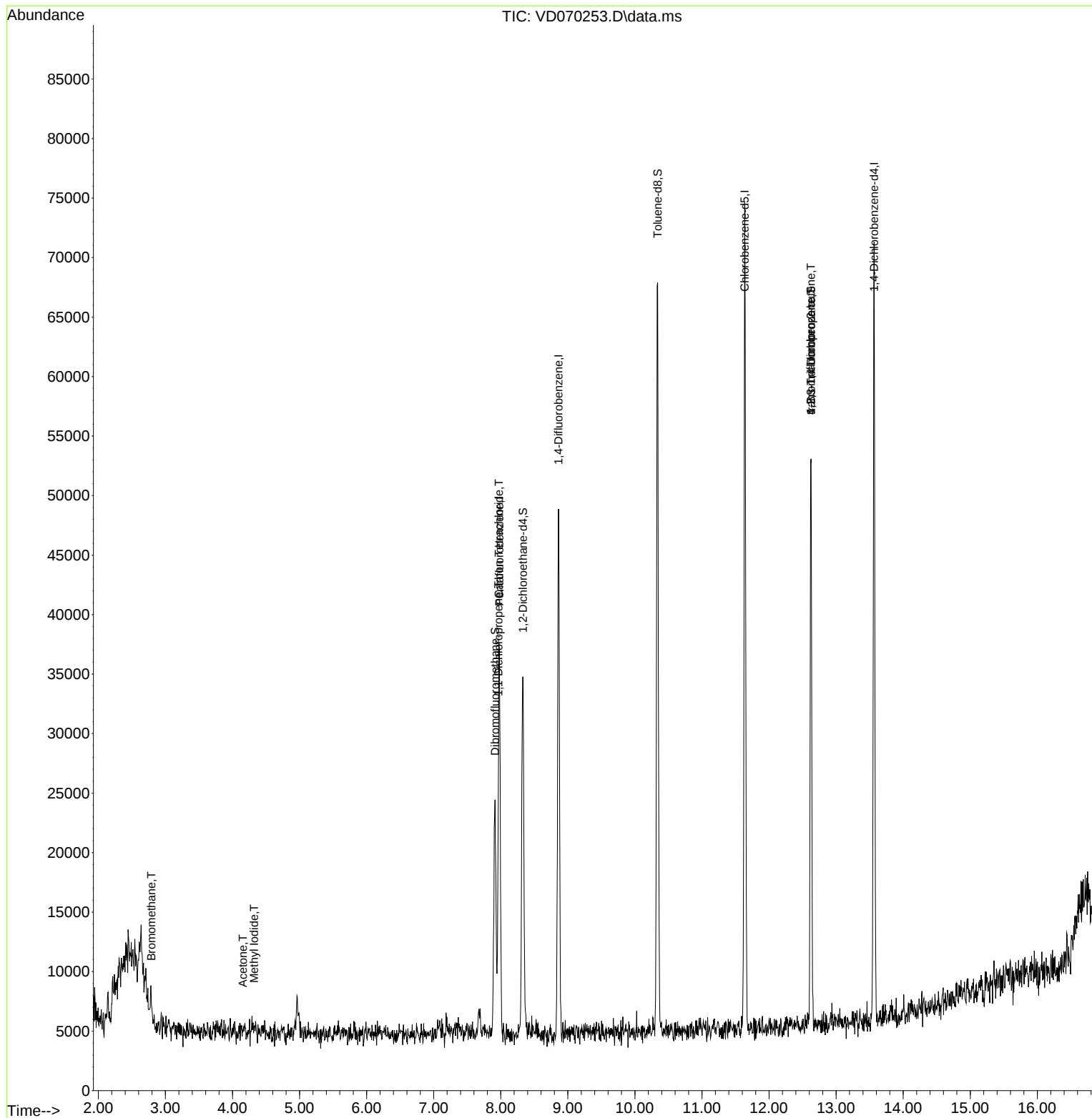
Internal Standards						
1) Pentafluorobenzene	7.979	168	24300	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	36710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	38857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	16484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	25578	89.494	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 178.980%#	
35) Dibromofluoromethane	7.914	113	14755	62.213	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 124.420%	
50) Toluene-d8	10.338	98	45450	49.270	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 98.540%	
62) 4-Bromofluorobenzene	12.626	95	16118	53.049	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 106.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.220	50	647	Below Cal	#	42
5) Bromomethane	2.791	94	1797	4.031	ug/l #	50
10) Methyl Iodide	4.320	142	733	2.551	ug/l #	40
16) Acetone	4.156	43	137	2.602	ug/l #	41
20) Methylene Chloride	4.956	84	1583	Below Cal	#	83
36) 1,1-Dichloropropene	7.967	75	2007	5.082	ug/l #	42
38) Carbon Tetrachloride	7.973	117	2605	7.266	ug/l #	20
76) 1,2,3-Trichloropropane	12.626	75	7726	46.216	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	7726	119.961	ug/l #	17

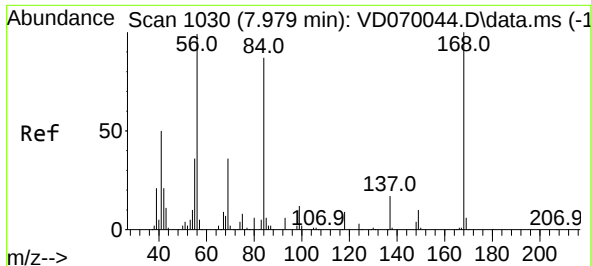
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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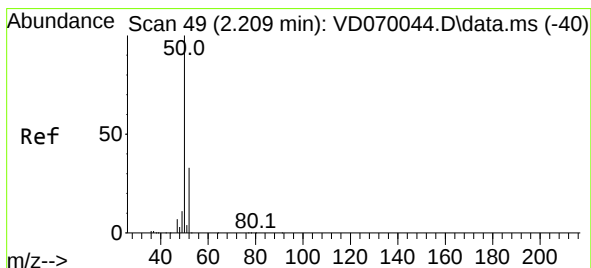
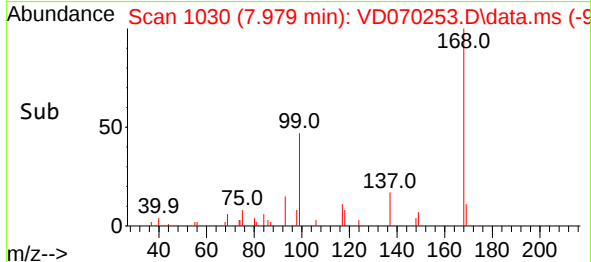
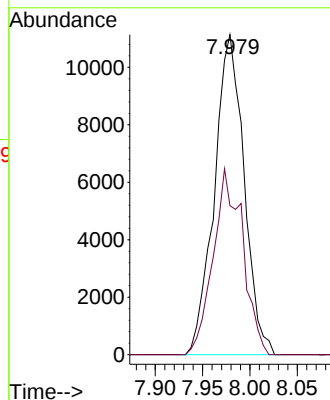
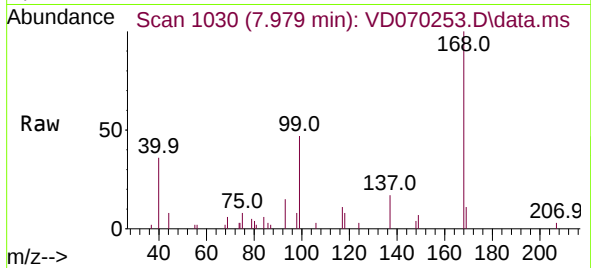




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

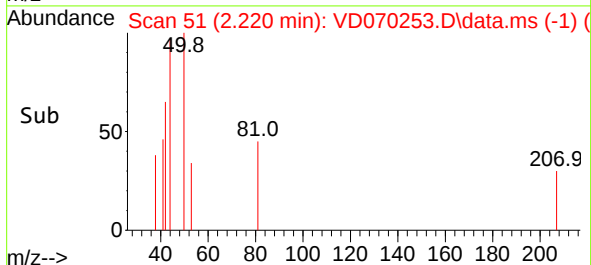
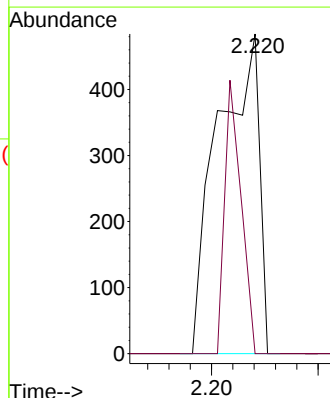
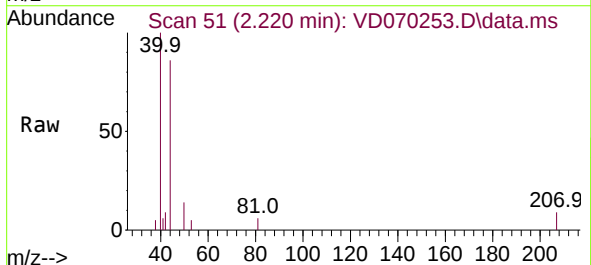
Instrument :
MSVOA_D
ClientSampleId :
PE-2

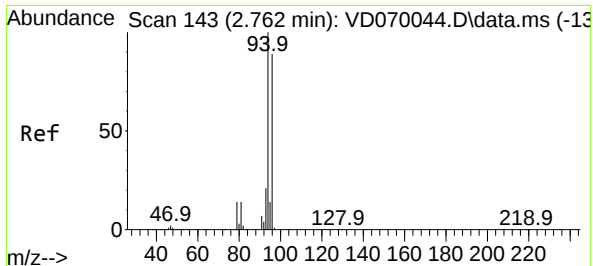
Tgt Ion:168 Resp: 24300
Ion Ratio Lower Upper
168 100
99 46.5 50.3 75.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion: 50 Resp: 647
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

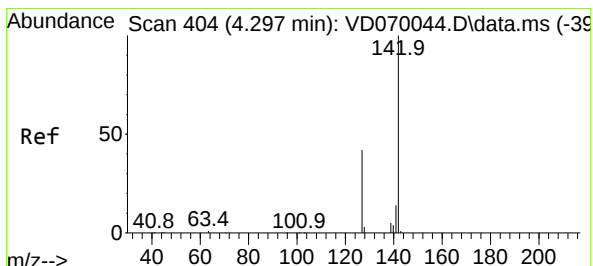
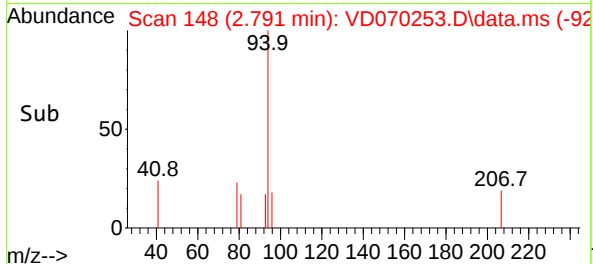
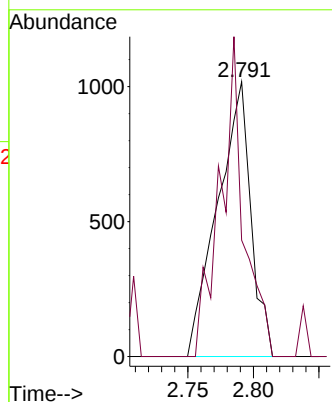
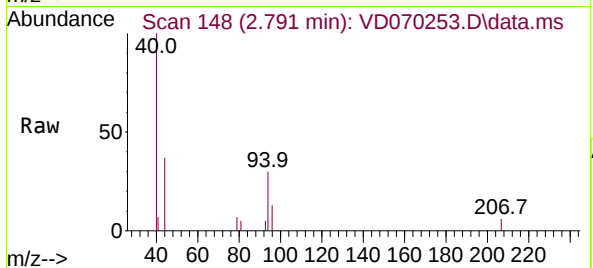




#5
Bromomethane
Concen: 4.031 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

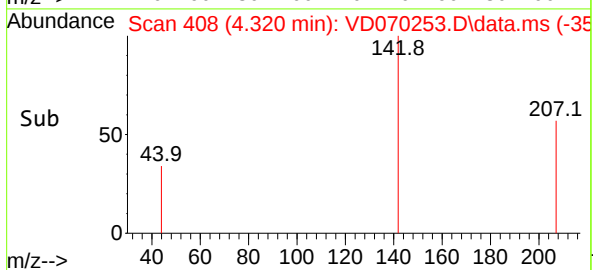
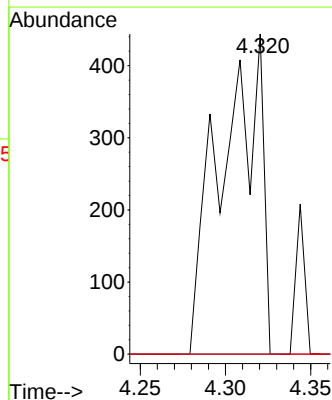
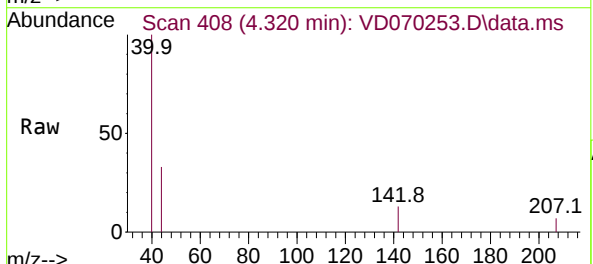
Instrument :
MSVOA_D
ClientSampled :
PE-2

Tgt Ion: 94 Resp: 1797
Ion Ratio Lower Upper
94 100
96 42.3 70.9 106.3#



#10
Methyl Iodide
Concen: 2.551 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion:142 Resp: 733
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.0#
141 0.0 12.1 18.1#

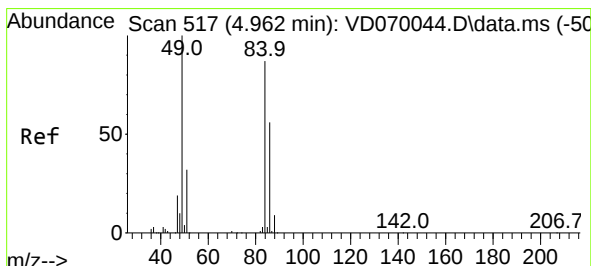
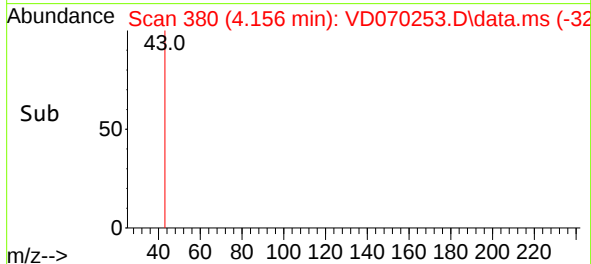
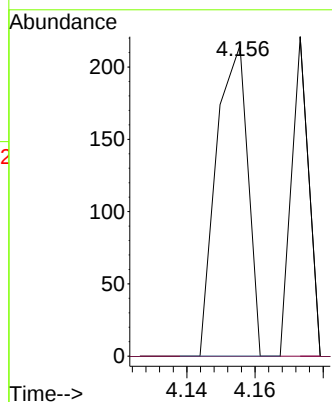
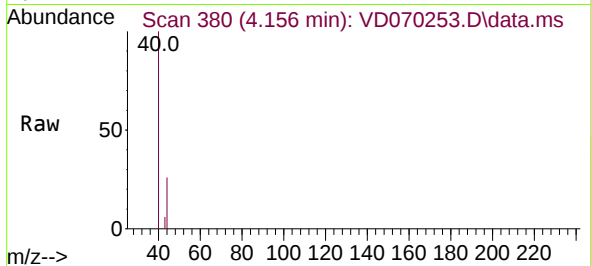




#16
Acetone
Concen: 2.602 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

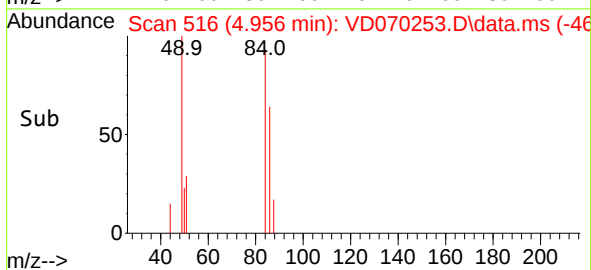
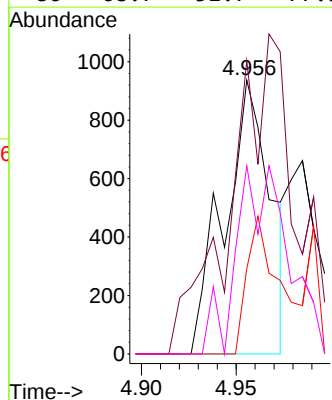
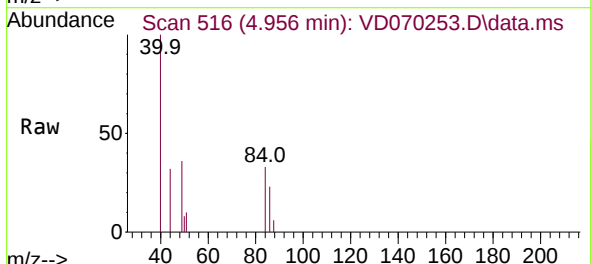
Instrument :
MSVOA_D
ClientSampled :
PE-2

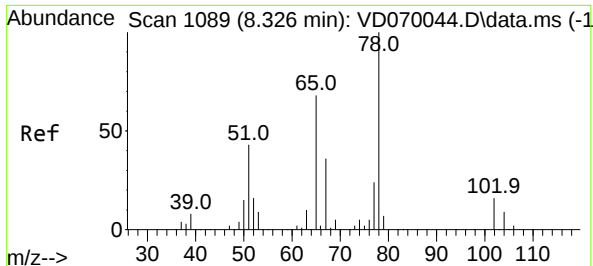
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion: 84 Resp: 1583
Ion Ratio Lower Upper
84 100
49 86.6 92.5 138.7#
51 31.2 29.7 44.5
86 68.7 51.7 77.5



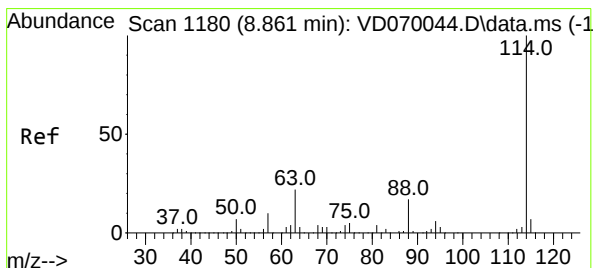
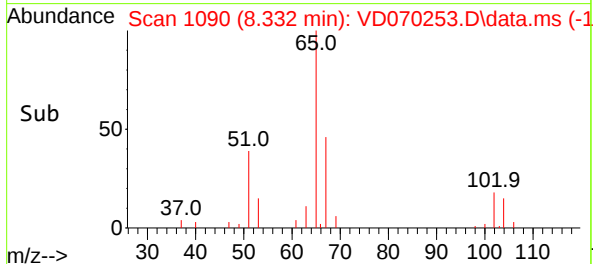
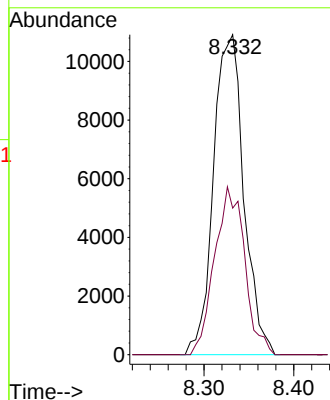
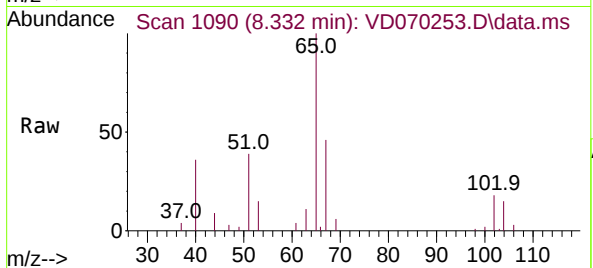


#33

1,2-Dichloroethane-d4
Concen: 89.494 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Instrument :
MSVOA_D
ClientSampled :
PE-2

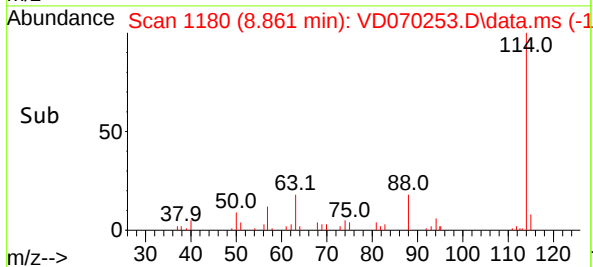
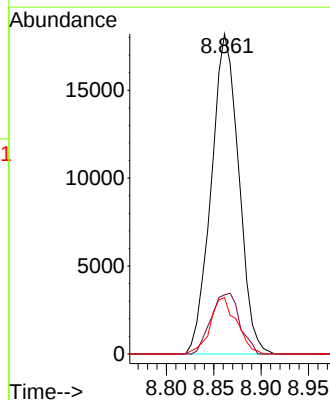
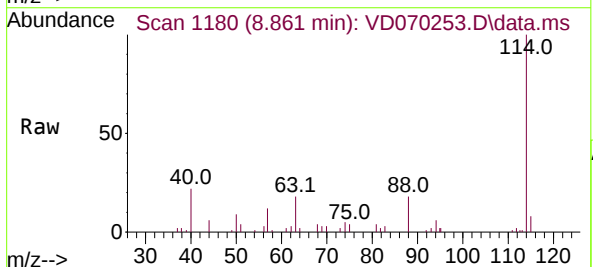
Tgt Ion: 65 Resp: 25578
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.8

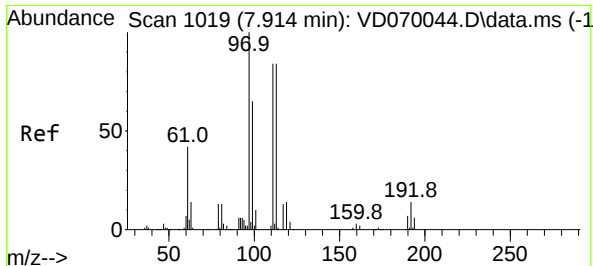


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion: 114 Resp: 36710
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.6
88 17.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 62.213 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070253.D

Acq: 25 Aug 2021 16:09

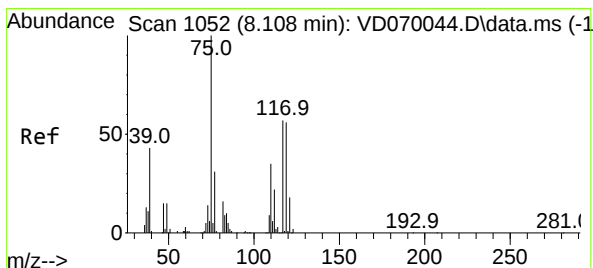
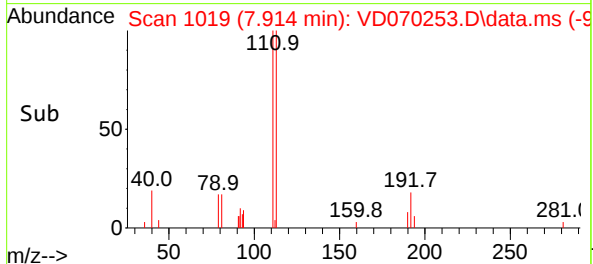
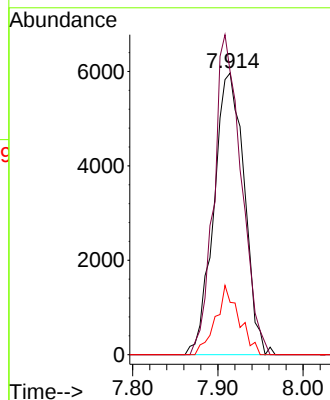
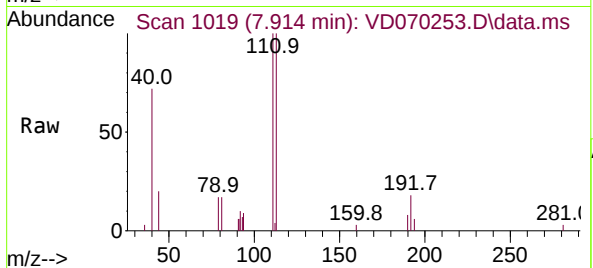
Tgt Ion:113 Resp: 14755

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 19.0 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD070253.D

Acq: 25 Aug 2021 16:09

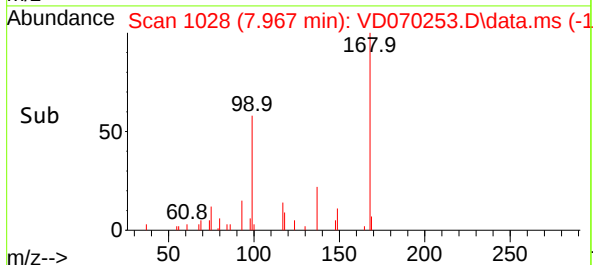
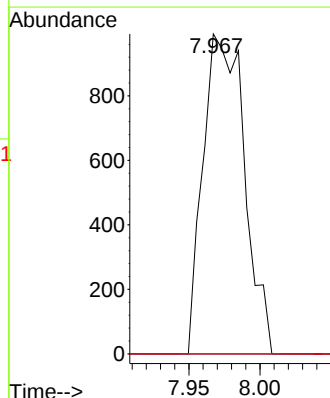
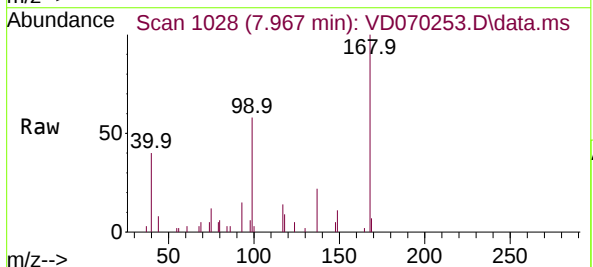
Tgt Ion: 75 Resp: 2007

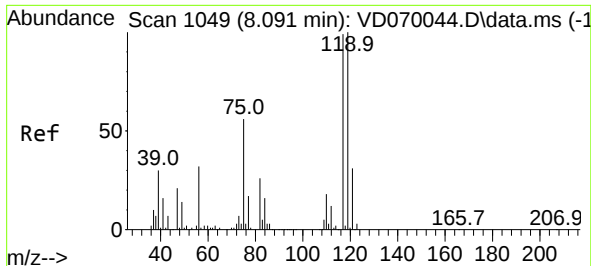
Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.7#

77 0.0 25.2 37.8#

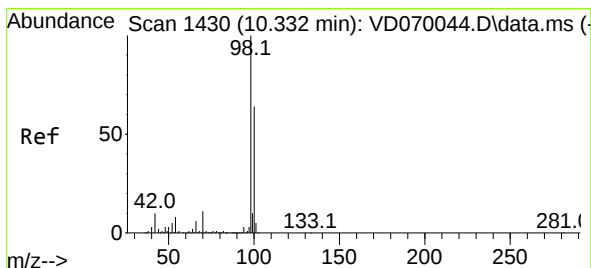
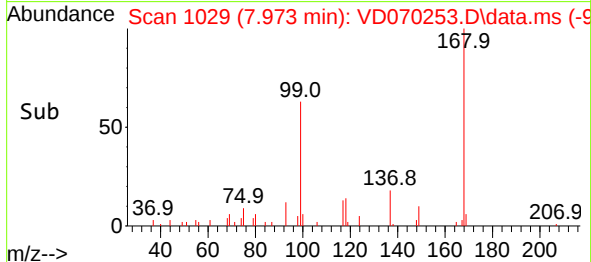
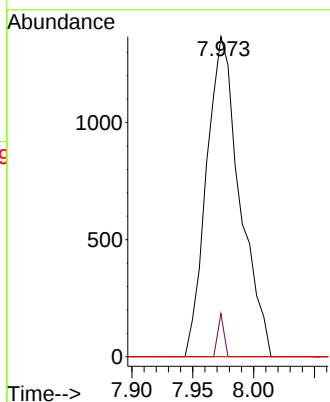
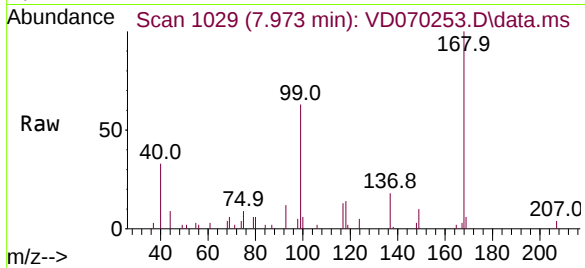




#38
Carbon Tetrachloride
Concen: 7.266 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

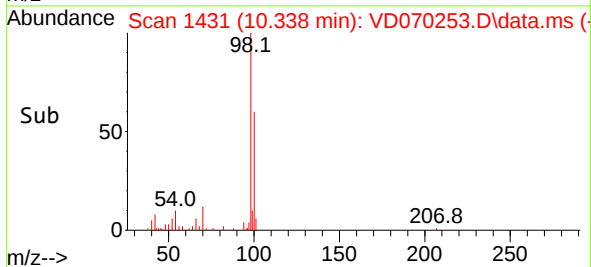
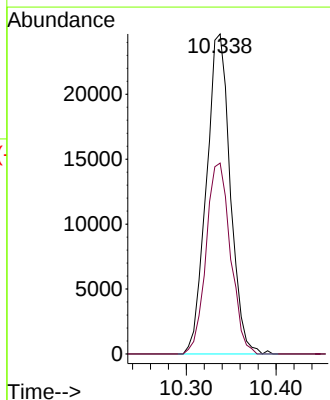
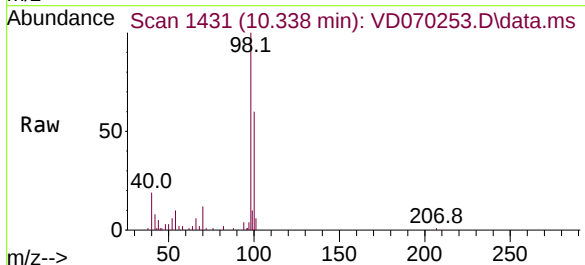
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MSVOA_D
ClientSampled :
PE-2

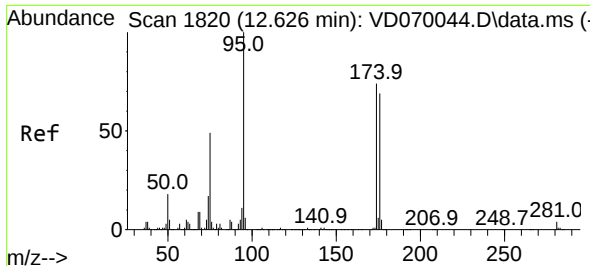
Tgt Ion:117 Resp: 2605
Ion Ratio Lower Upper
117 100
119 13.5 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.270 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion: 98 Resp: 45450
Ion Ratio Lower Upper
98 100
100 61.1 52.6 78.8

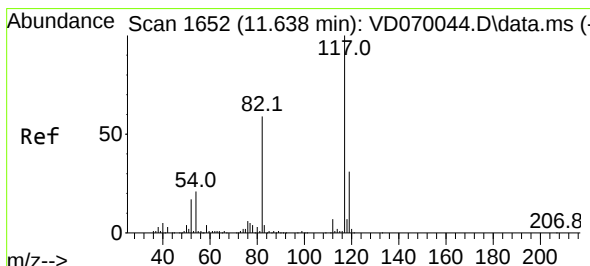
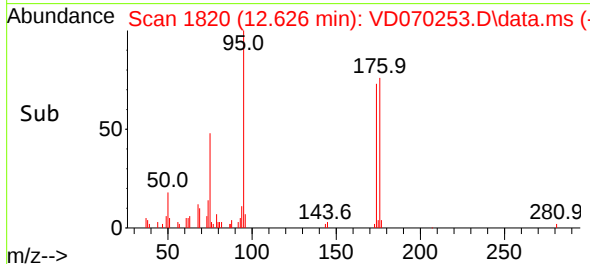
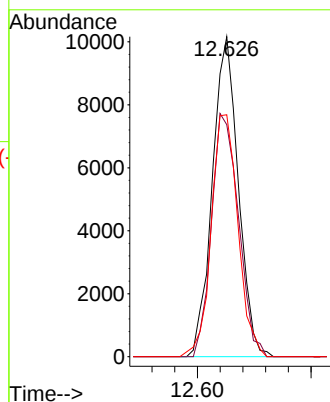
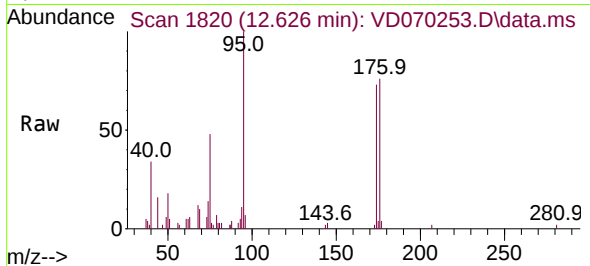




#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

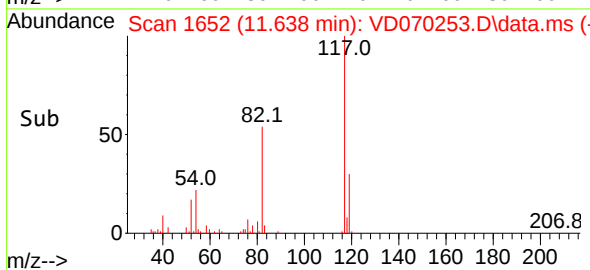
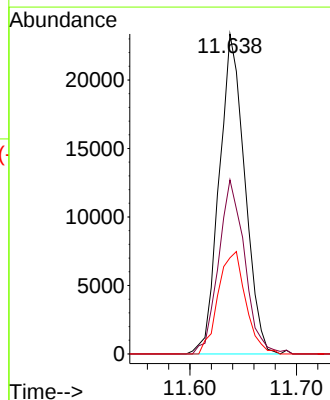
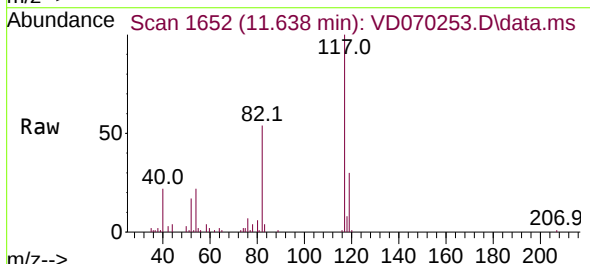
Instrument :
MSVOA_D
ClientSampled :
PE-2

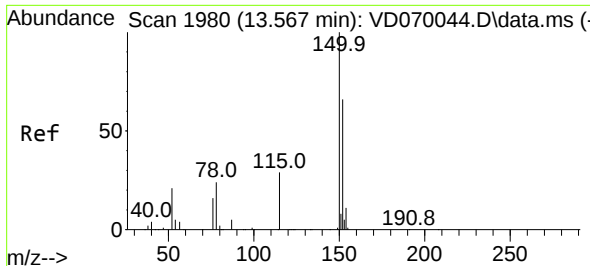
Tgt Ion:	95	Resp:	16118
Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	141.6
176	77.8	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070253.D
Acq: 25 Aug 2021 16:09

Tgt Ion:	117	Resp:	38857
Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.5	71.3
119	30.0	25.1	37.7

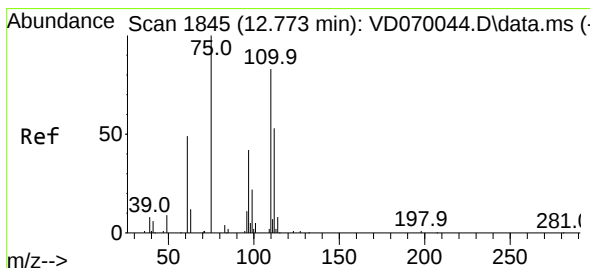
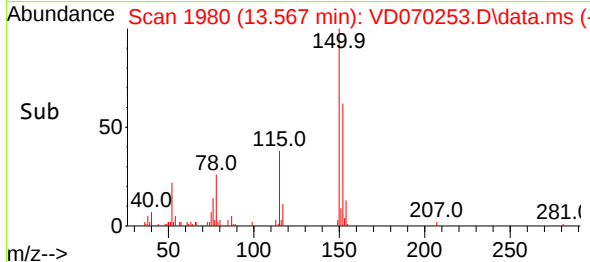
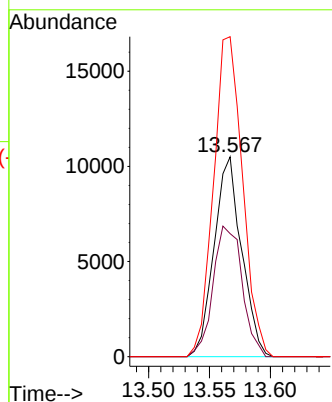
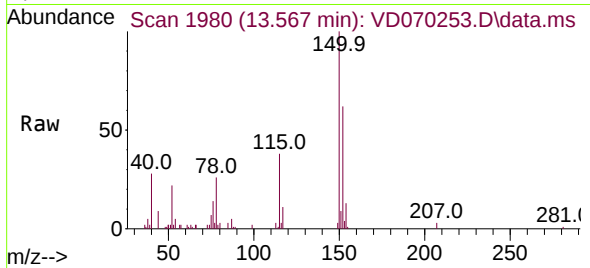




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070253.D
 Acq: 25 Aug 2021 16:09

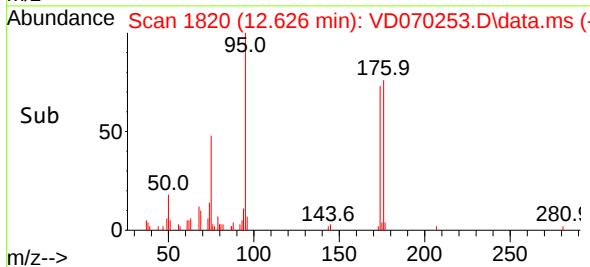
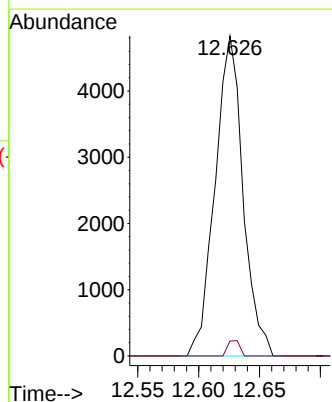
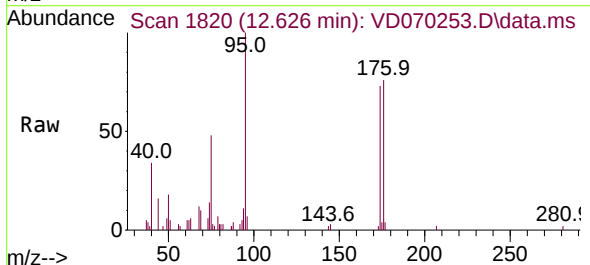
Instrument :
 MSVOA_D
 ClientSampleId :
 PE-2

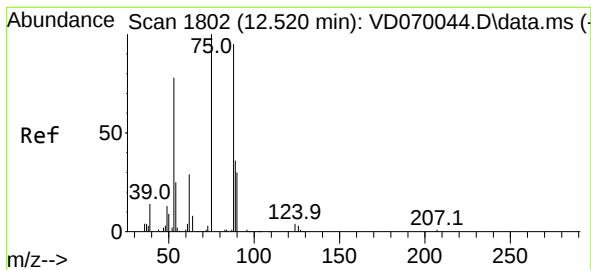
Tgt Ion:152 Resp: 16484
 Ion Ratio Lower Upper
 152 100
 115 69.1 31.2 93.6
 150 168.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 46.216 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070253.D
 Acq: 25 Aug 2021 16:09

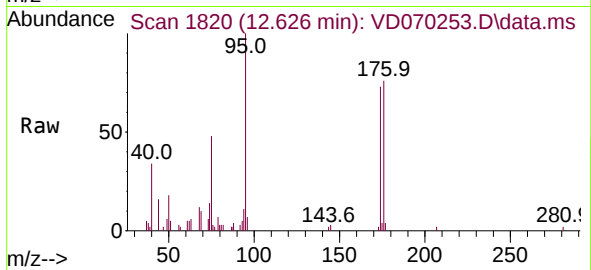
Tgt Ion: 75 Resp: 7726
 Ion Ratio Lower Upper
 75 100
 77 2.1 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.961 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070253.D
 Acq: 25 Aug 2021 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-2



Tgt Ion:	75	Resp:	7726
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.5	96.7#
89	0.0	33.7	50.5#

