

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042621\
 Data File : VD068990.D
 Acq On : 26 Apr 2021 16:01
 Operator : VA/SY
 Sample : M2170-03
 Misc : 9.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 27 07:13:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

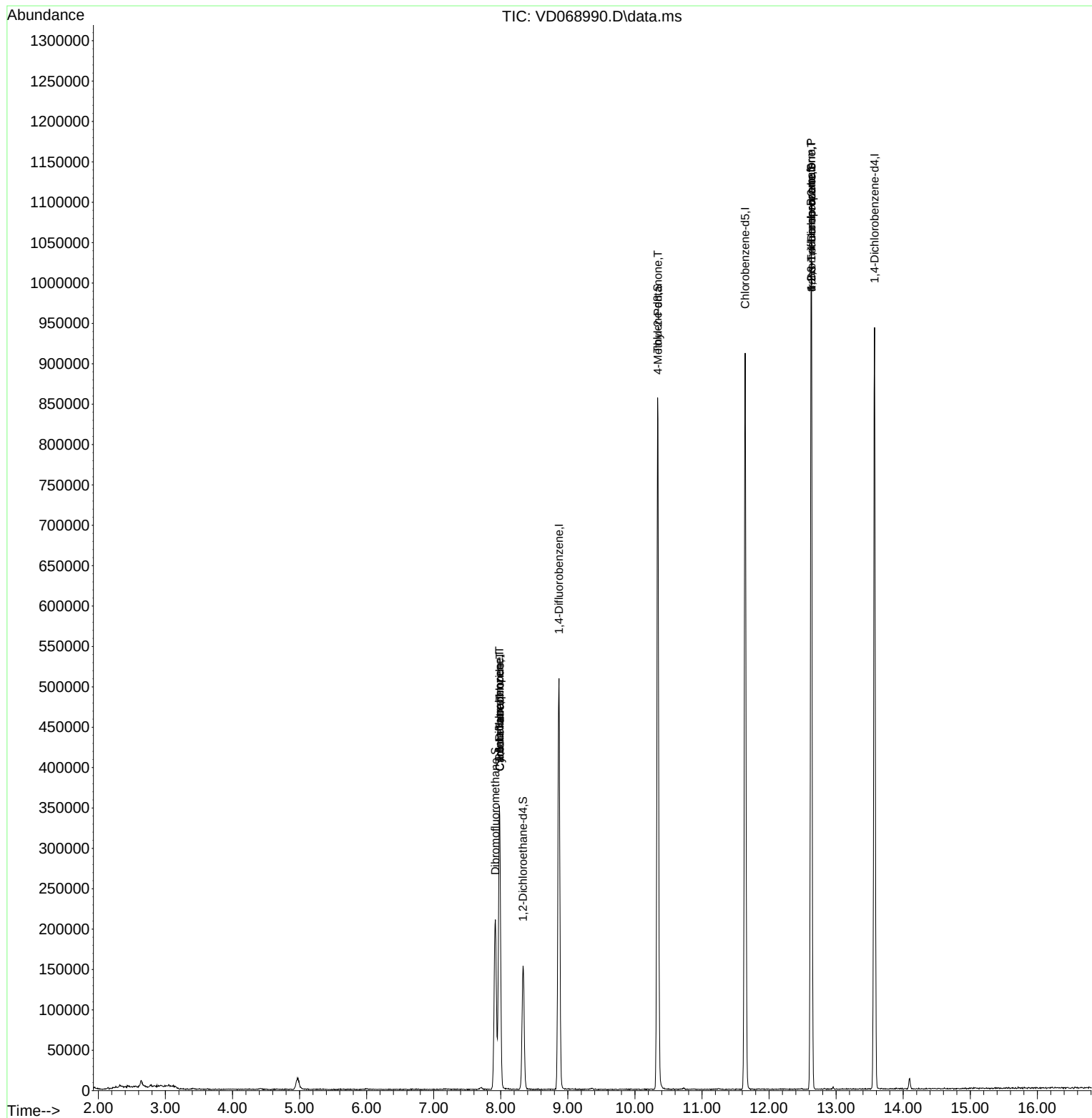
Internal Standards						
1) Pentafluorobenzene	7.979	168	267069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	461750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	550692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	260259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	121699	43.12	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.24%
35) Dibromofluoromethane	7.920	113	153082	50.97	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.94%
50) Toluene-d8	10.338	98	597149	52.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.42%
62) 4-Bromofluorobenzene	12.632	95	250521	66.58	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	133.16%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.208	59	281	Below Cal	#	73
20) Methylene Chloride	4.973	84	11973	Below Cal		93
31) Cyclohexane	7.985	56	5720	1.22 ug/l	#	18
36) 1,1-Dichloropropene	7.979	75	19755	4.23 ug/l	#	49
38) Carbon Tetrachloride	7.985	117	26453	5.72 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.343	43	2056	1.46 ug/l	#	1
71) Bromoform	12.626	173	2491	1.08 ug/l	#	29
76) 1,2,3-Trichloropropane	12.632	75	126214	53.08 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.632	75	126214	123.19 ug/l	#	16

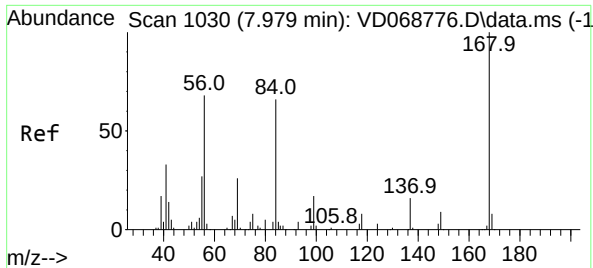
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 9.69G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
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Quant Time: Apr 27 07:13:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

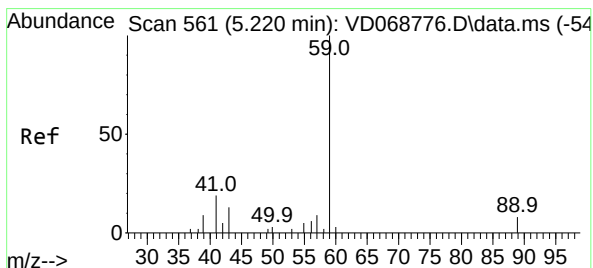
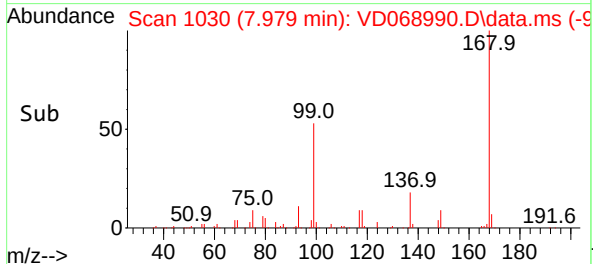
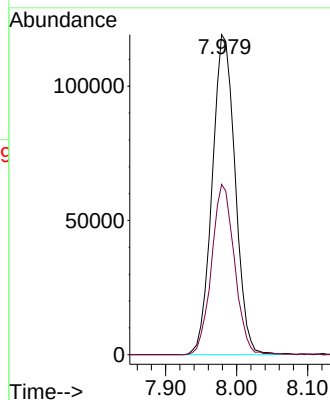
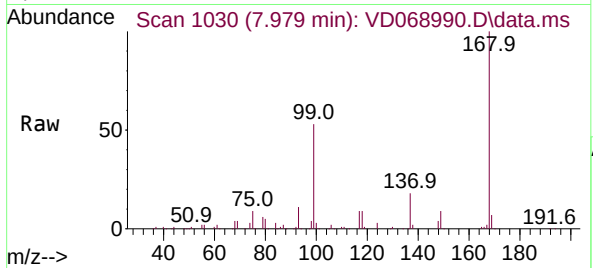




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

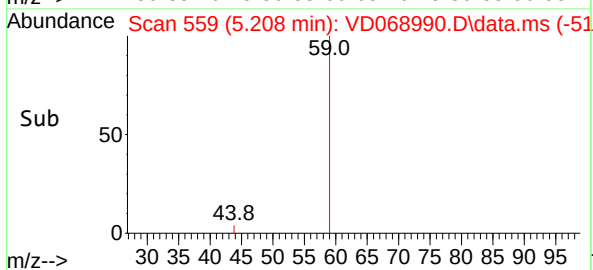
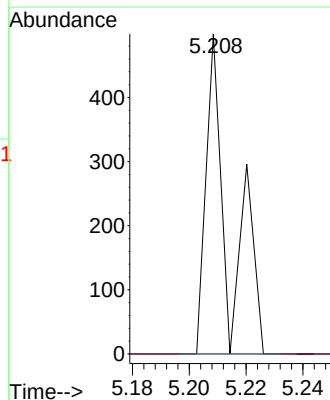
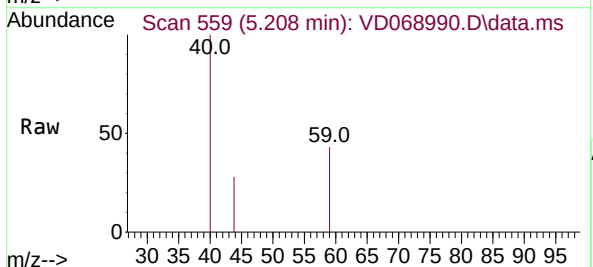
Instrument :
MSVOA_D
ClientSampled :

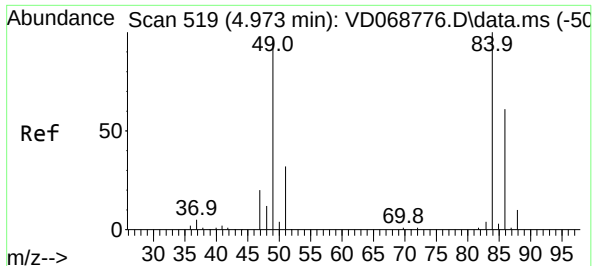
Tgt Ion:168 Resp: 267069
Ion Ratio Lower Upper
168 100
99 53.2 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068990.D

Acq: 26 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 11973

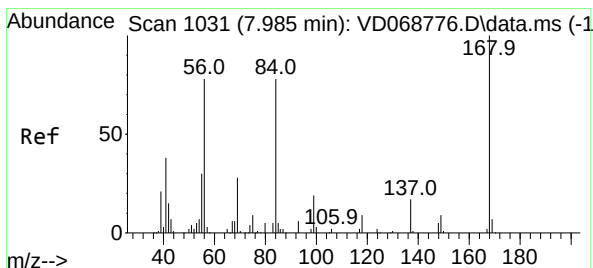
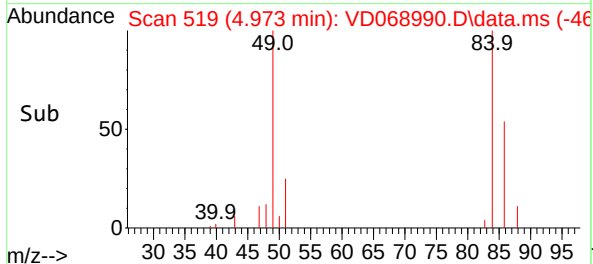
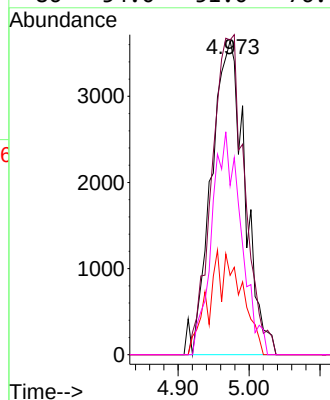
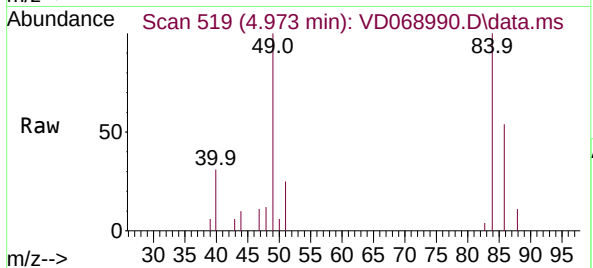
Ion Ratio Lower Upper

84 100

49 100.4 83.4 125.0

51 25.3 23.4 35.2

86 54.0 51.0 76.4



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD068990.D

Acq: 26 Apr 2021 16:01

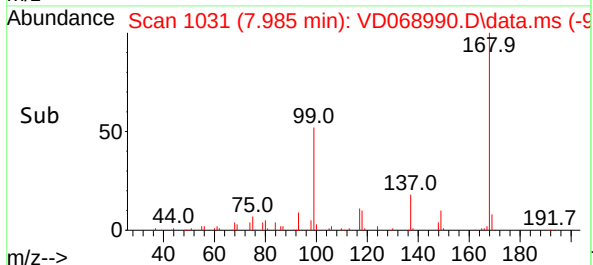
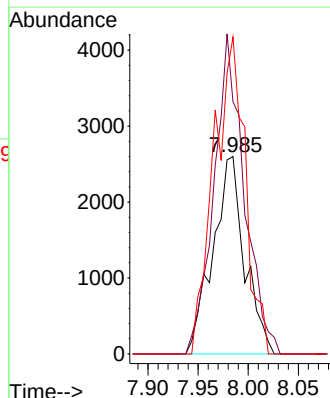
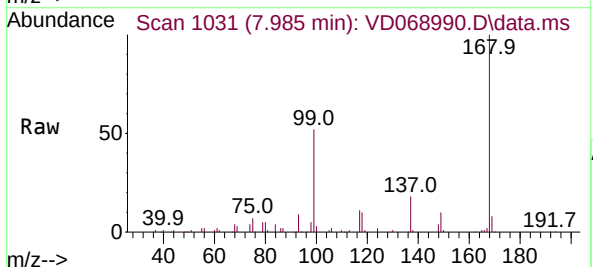
Tgt Ion: 56 Resp: 5720

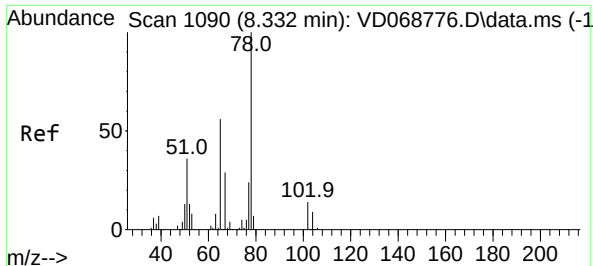
Ion Ratio Lower Upper

56 100

69 127.7 30.0 45.0#

84 160.5 82.0 123.0#



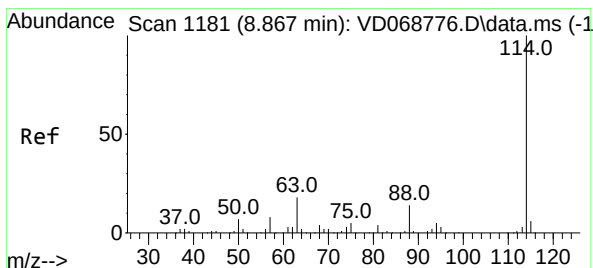
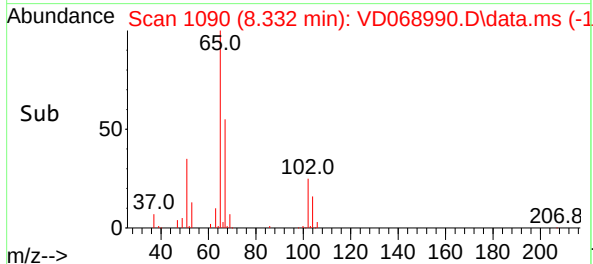
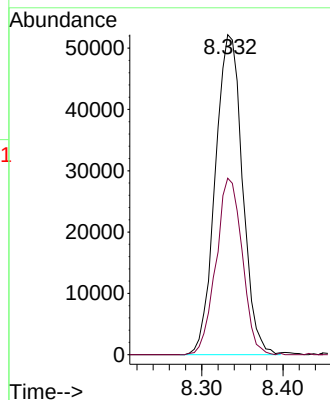
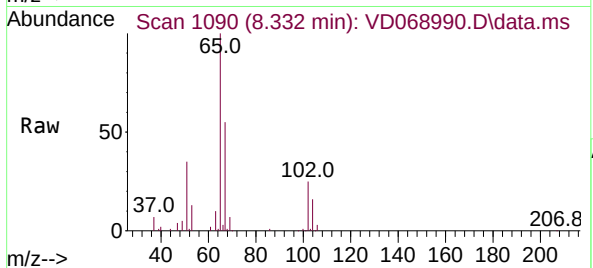


#33

1,2-Dichloroethane-d4
Concen: 43.12 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

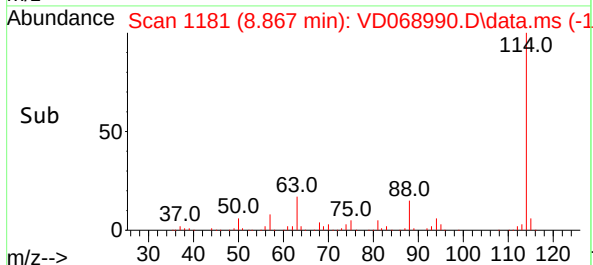
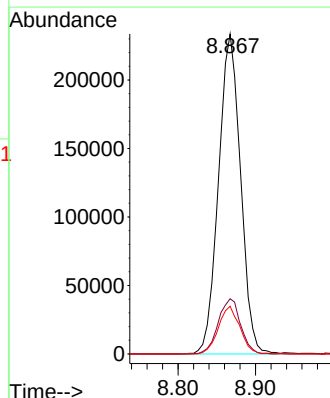
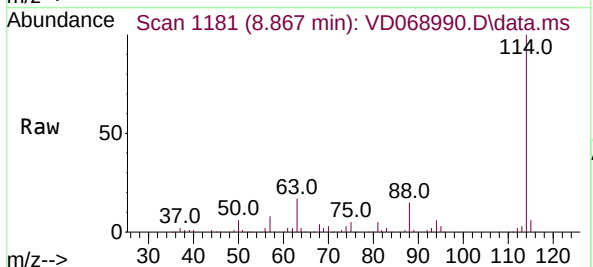
Tgt Ion: 65 Resp: 121699
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0

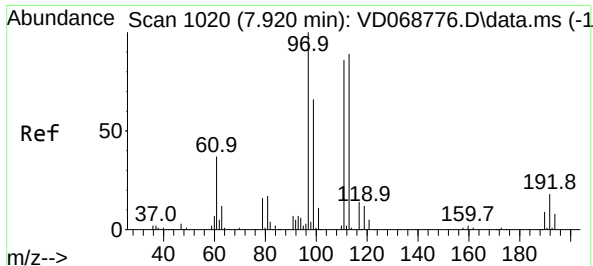


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Tgt Ion: 114 Resp: 461750
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.2
88 14.9 0.0 29.4

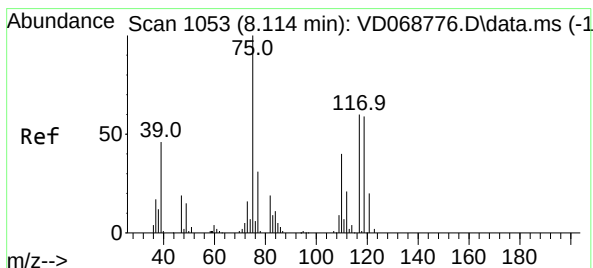
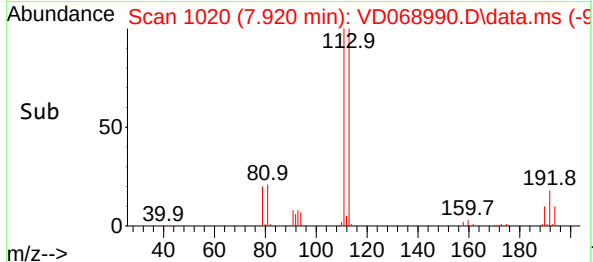
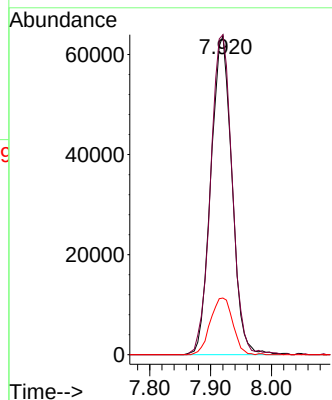
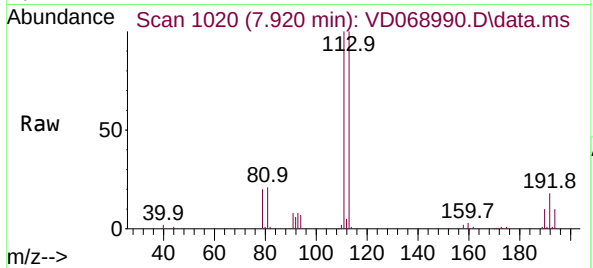




#35
Dibromofluoromethane
Concen: 50.97 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

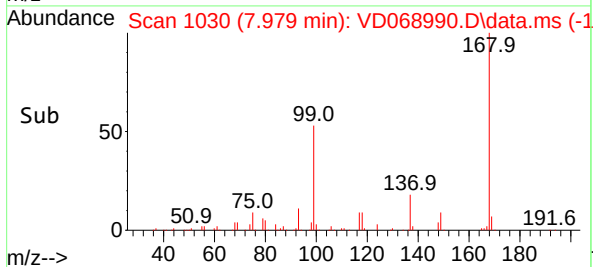
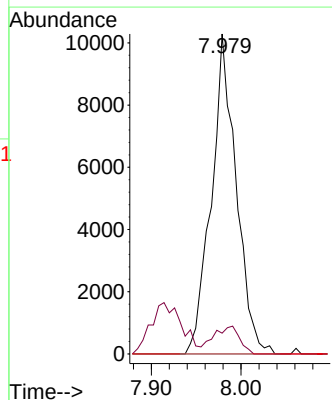
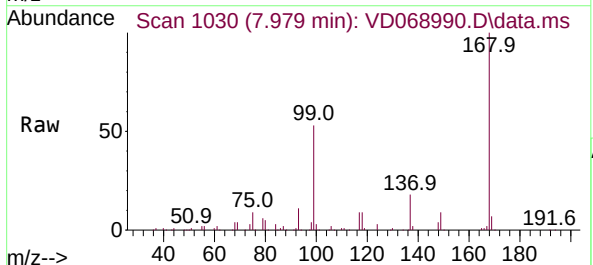
Instrument :
MSVOA_D
ClientSampled :

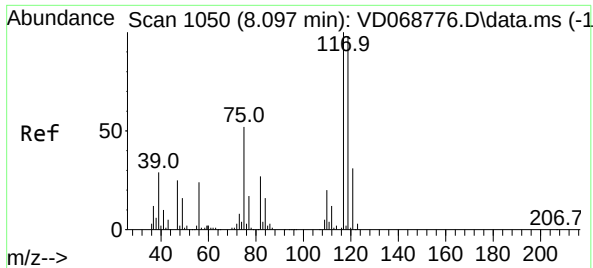
Tgt Ion:113 Resp: 153082
Ion Ratio Lower Upper
113 100
111 102.7 82.5 123.7
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.23 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

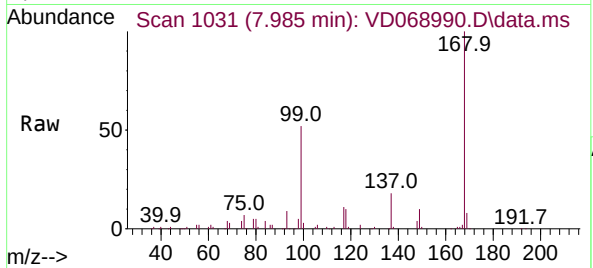
Tgt Ion: 75 Resp: 19755
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 24.7 37.1#



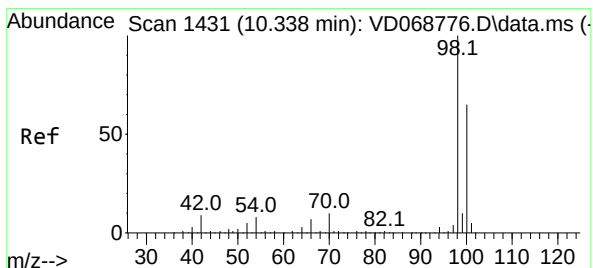
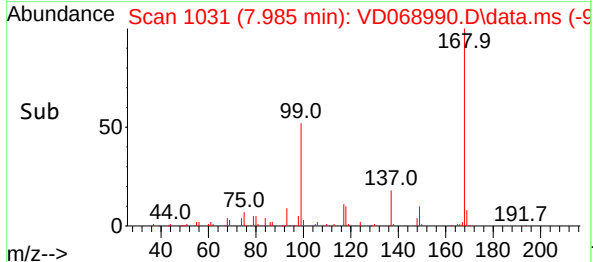
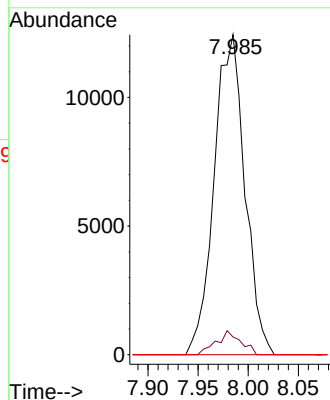


#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Instrument :
MSVOA_D
ClientSampled :

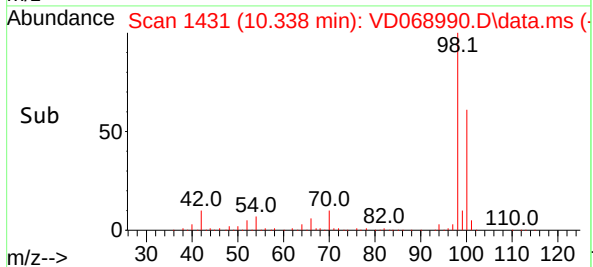
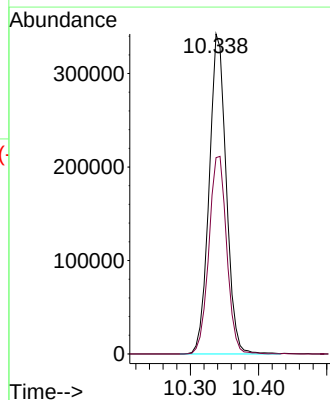
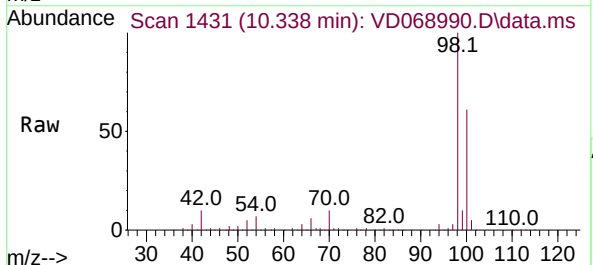


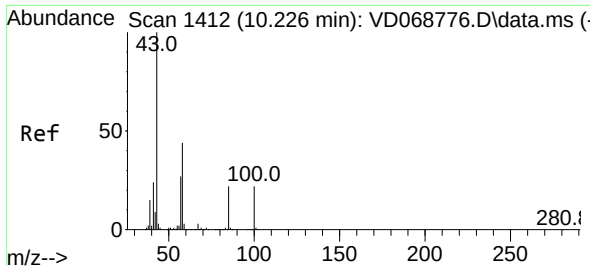
Tgt Ion:117 Resp: 26453
Ion Ratio Lower Upper
117 100
119 5.5 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.71 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Tgt Ion: 98 Resp: 597149
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

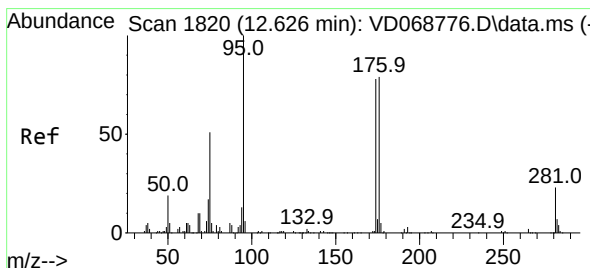
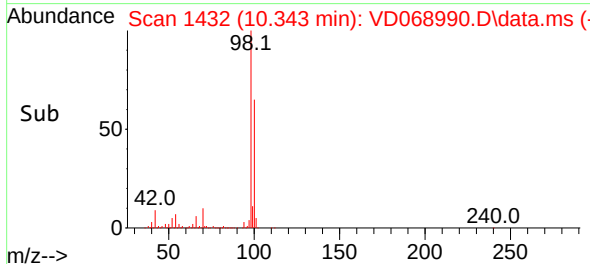
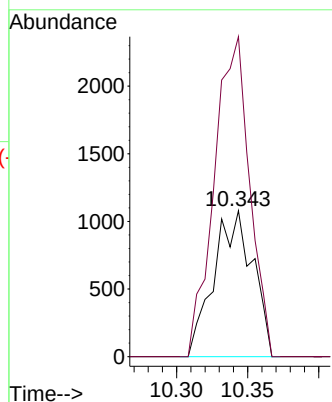
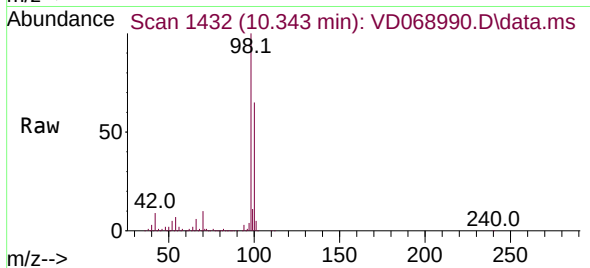




#51
4-Methyl-2-Pentanone
Concen: 1.46 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.117 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

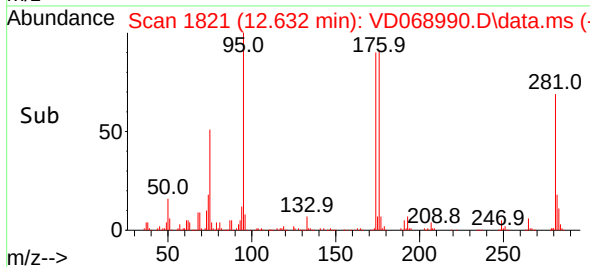
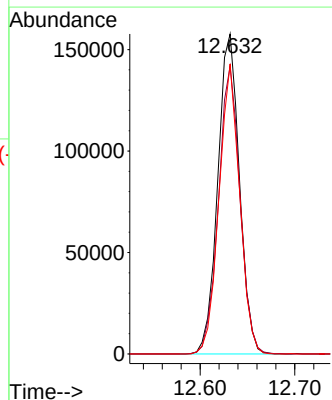
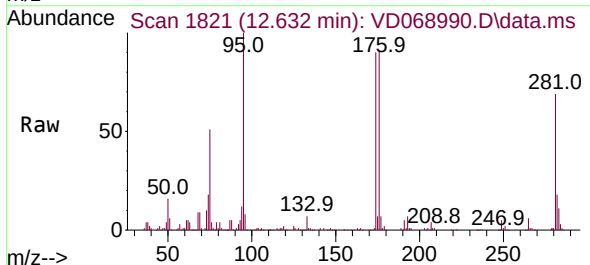
Instrument :
MSVOA_D
ClientSampled :

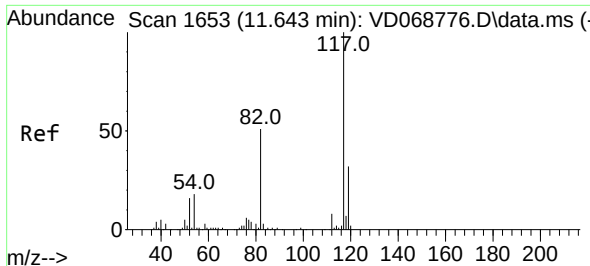
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 199.5 37.3 55.9#



#62
4-Bromofluorobenzene
Concen: 66.58 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

Tgt Ion: 95 Resp: 250521
Ion Ratio Lower Upper
95 100
174 89.2 0.0 168.0
176 86.3 0.0 160.2

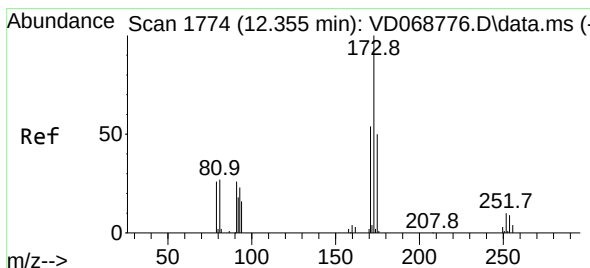
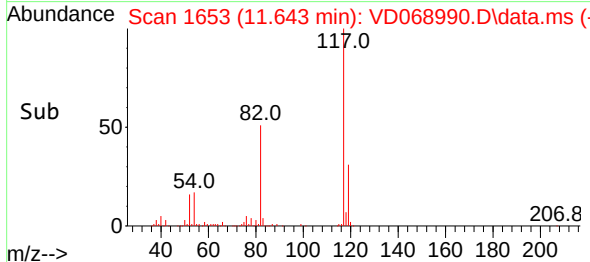
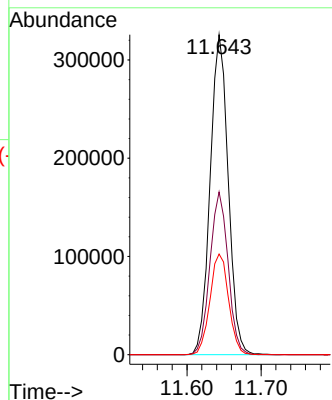
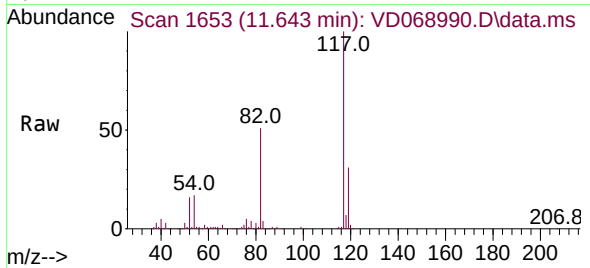




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

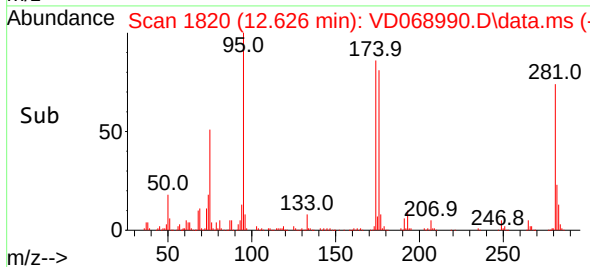
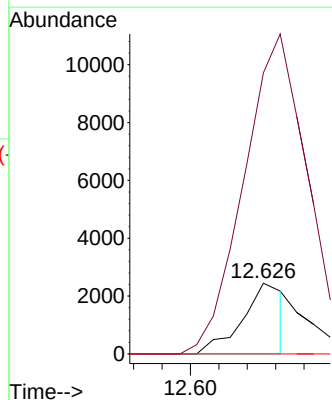
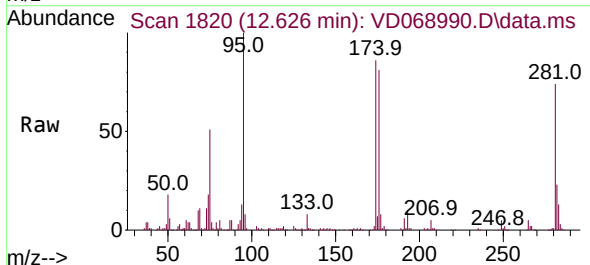
Instrument :
MSVOA_D
ClientSampled :

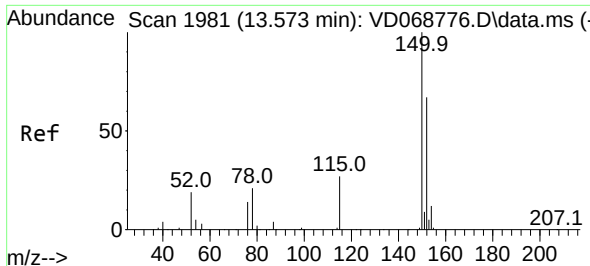
Tgt Ion:117 Resp: 550692
Ion Ratio Lower Upper
117 100
82 50.9 43.5 65.3
119 31.4 26.7 40.1



#71
Bromoform
Concen: 1.08 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD068990.D
Acq: 26 Apr 2021 16:01

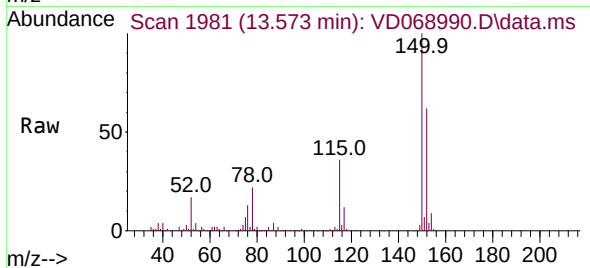
Tgt Ion:173 Resp: 2491
Ion Ratio Lower Upper
173 100
175 0.0 23.6 71.0#
254 0.0 0.0 0.0



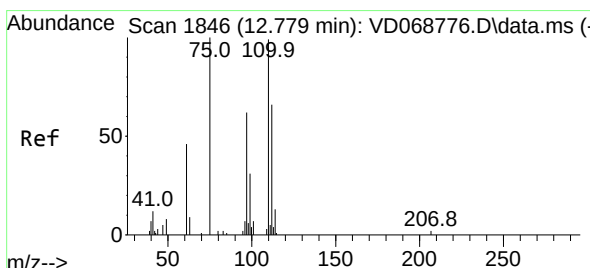
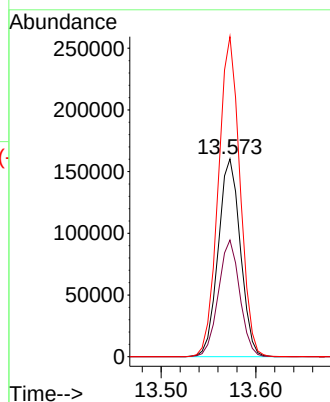
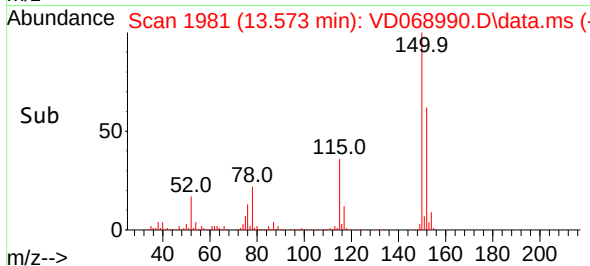


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. -0.000 min
 Lab File: VD068990.D
 Acq: 26 Apr 2021 16:01

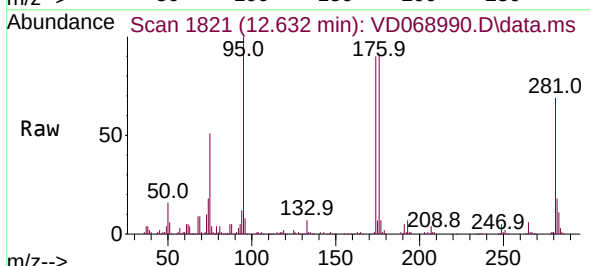
Instrument :
 MSVOA_D
 ClientSampled :



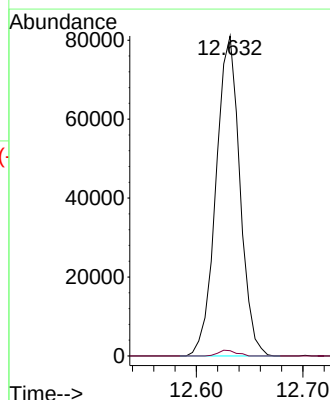
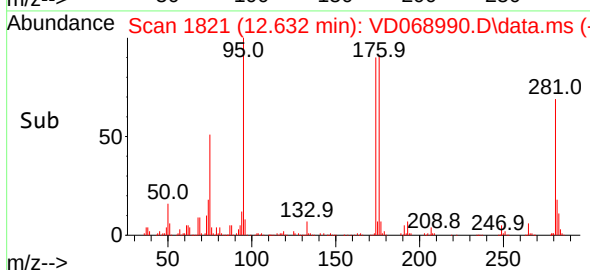
Tgt Ion:152 Resp: 260259
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.3 87.8
 150 158.5 0.0 347.6

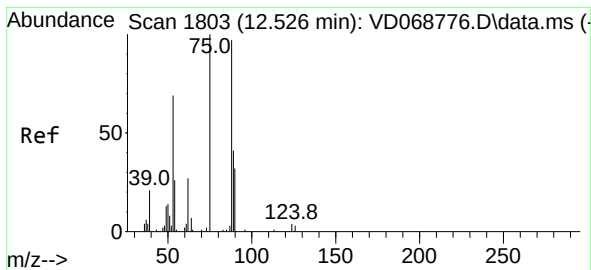


#76
 1,2,3-Trichloropropane
 Concen: 53.08 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD068990.D
 Acq: 26 Apr 2021 16:01



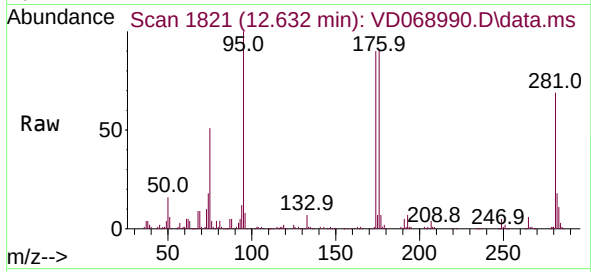
Tgt Ion: 75 Resp: 126214
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.19 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068990.D
 Acq: 26 Apr 2021 16:01

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 126214
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.8 36.6 54.8#

