

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068281.D
 Acq On : 04 Feb 2021 17:19
 Operator : VA/SY
 Sample : M1291-21
 Misc : 5.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:05:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

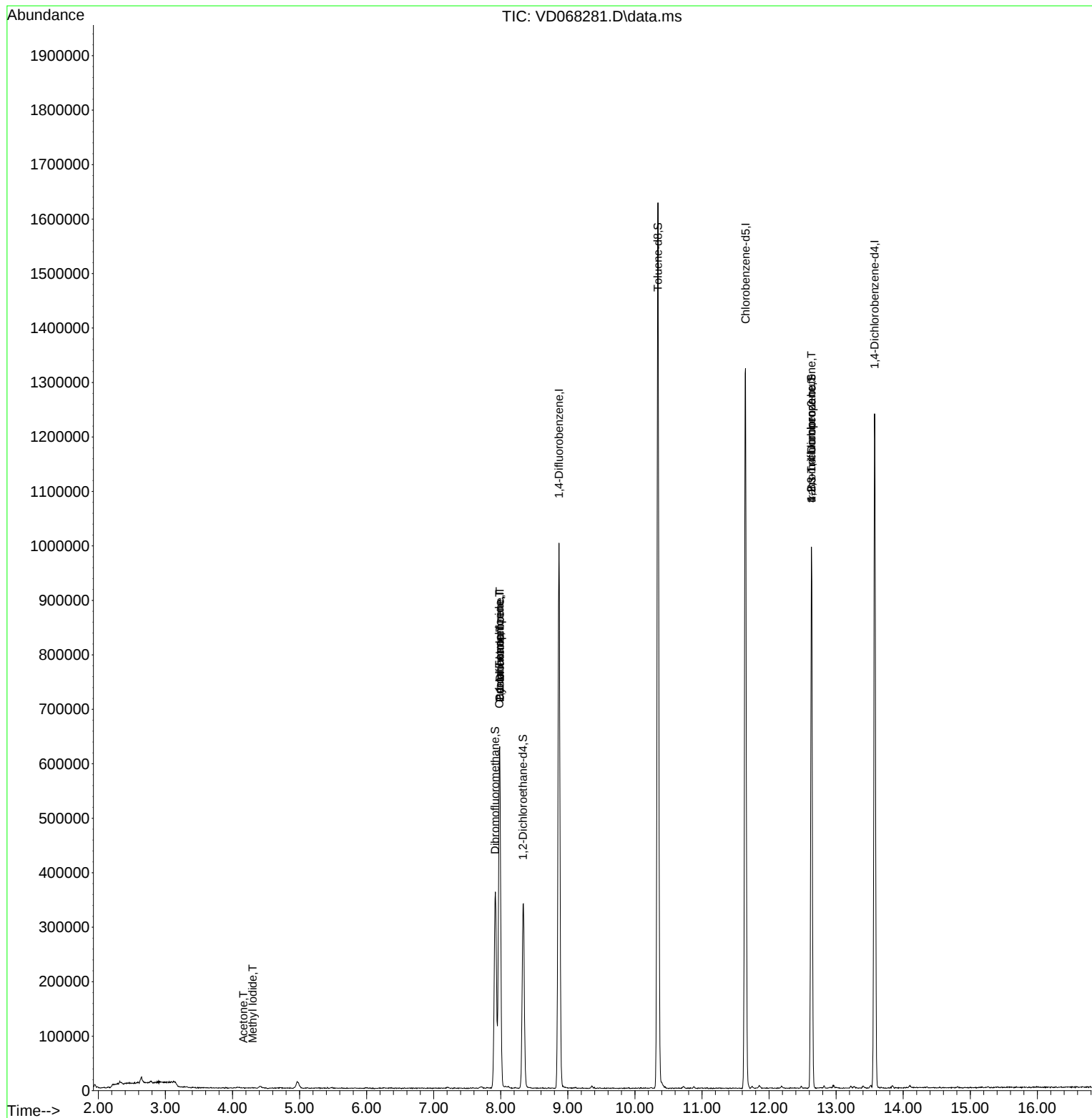
Internal Standards						
1) Pentafluorobenzene	7.985	168	474086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	886108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	797634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	334979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	273518	60.31	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 120.62%		
35) Dibromofluoromethane	7.914	113	265291	54.15	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.30%		
50) Toluene-d8	10.343	98	1111215	56.71	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 113.42%		
62) 4-Bromofluorobenzene	12.631	95	345077	48.90	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 97.80%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.302	142	379	3.22	ug/l #	54
11) Tert butyl alcohol	5.244	59	137	Below Cal	#	74
16) Acetone	4.161	43	1345	1.66	ug/l #	44
20) Methylene Chloride	4.961	84	9289	Below Cal	#	90
31) Cyclohexane	7.985	56	11344	1.16	ug/l #	6
36) 1,1-Dichloropropene	7.985	75	39119	4.38	ug/l #	47
38) Carbon Tetrachloride	7.979	117	50075	5.99	ug/l #	14
76) 1,2,3-Trichloropropane	12.631	75	177614	54.84	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	177614	110.97	ug/l #	13

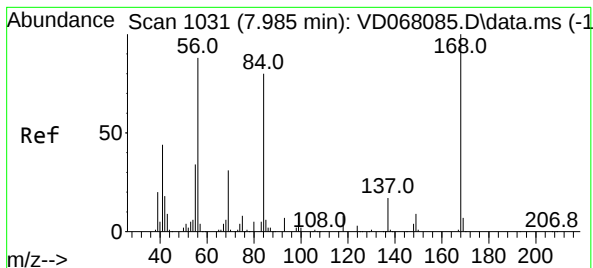
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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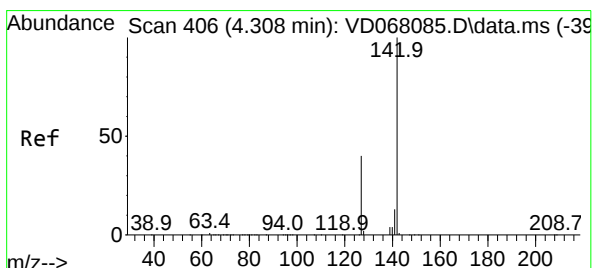
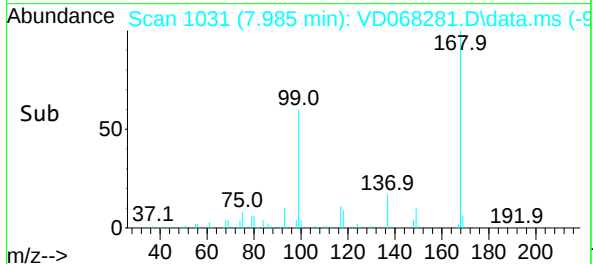
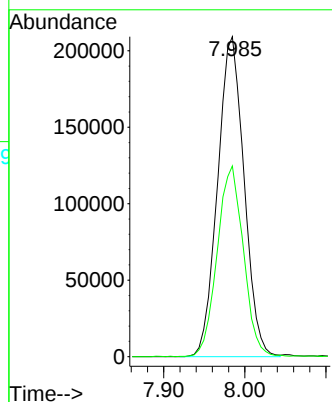
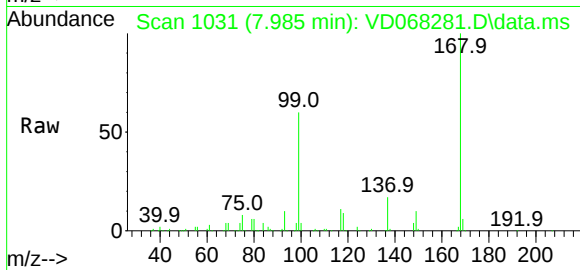




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

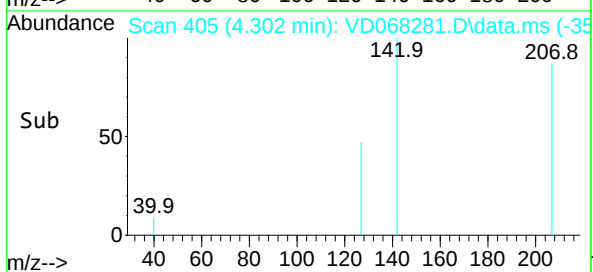
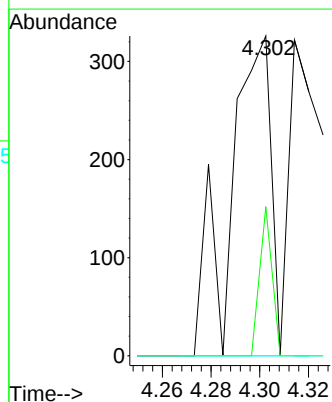
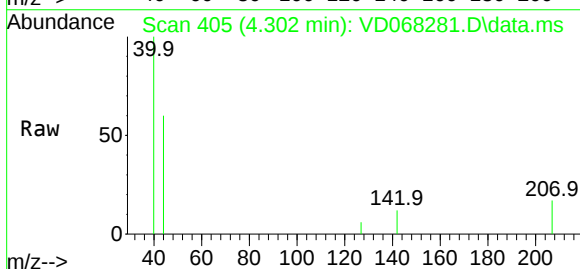
Instrument :
MSVOA_D
ClientSampled :

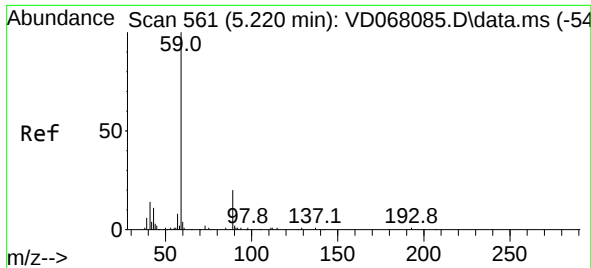
Tgt Ion:168 Resp: 474086
Ion Ratio Lower Upper
168 100
99 59.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.22 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

Tgt Ion:142 Resp: 379
Ion Ratio Lower Upper
142 100
127 14.2 37.9 56.9#
141 0.0 11.5 17.3#

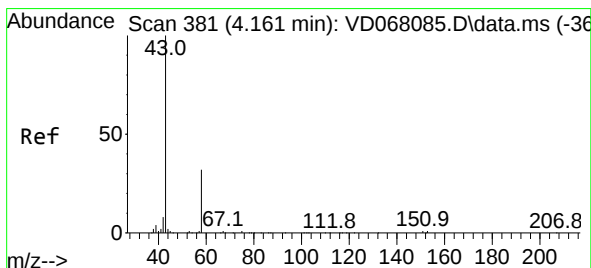
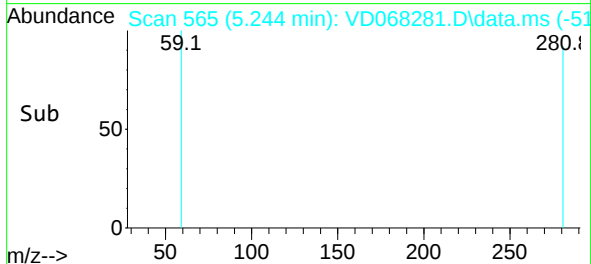
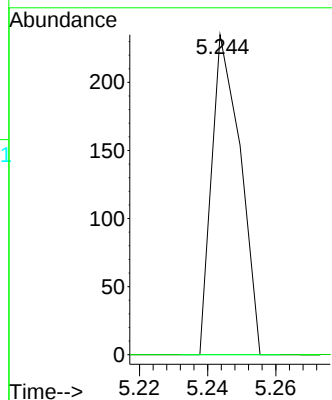
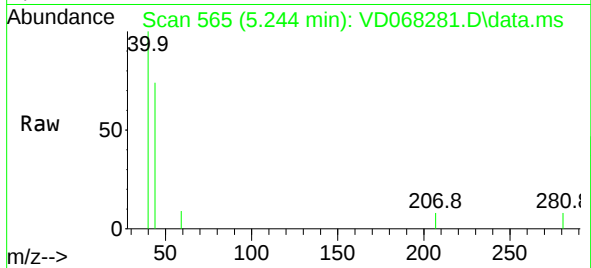




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.244 min Scan# 565
Delta R.T. 0.024 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

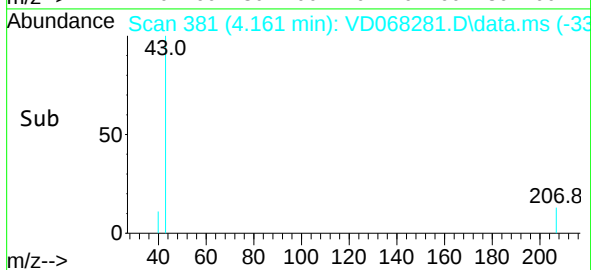
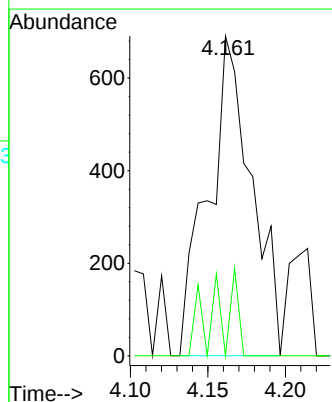
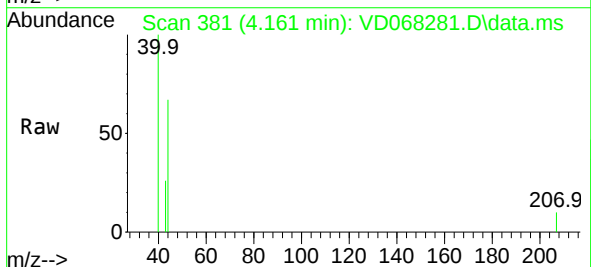
Instrument :
MSVOA_D
ClientSampled :

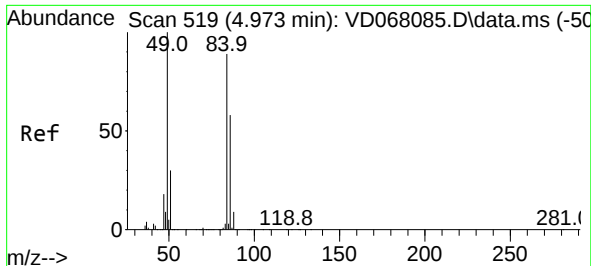
Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 1.66 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

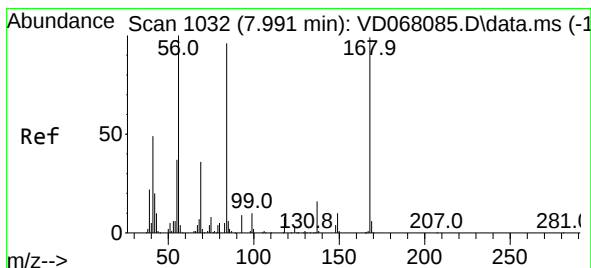
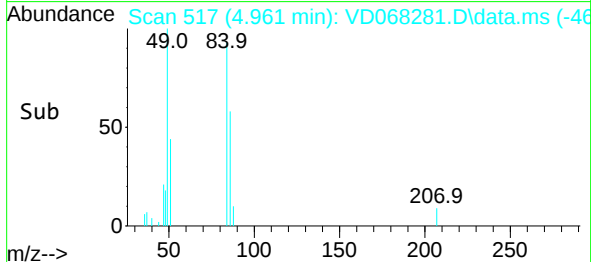
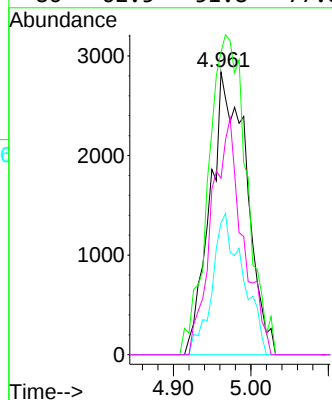
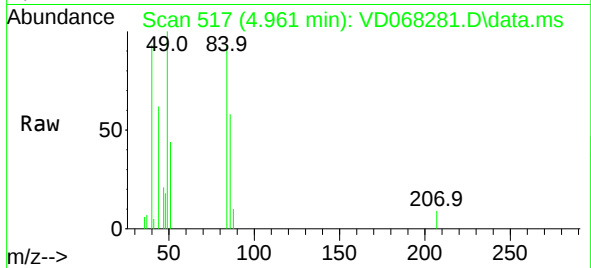




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

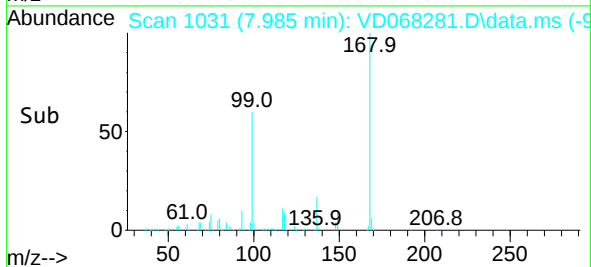
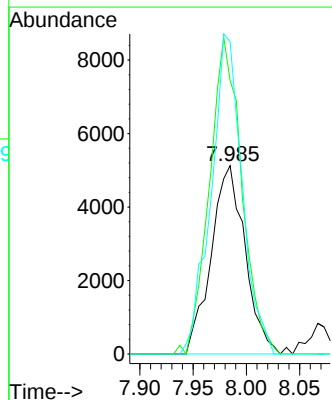
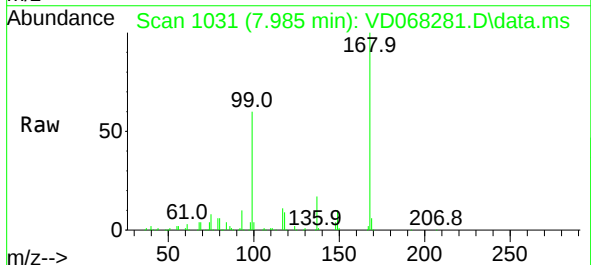
Instrument :
MSVOA_D
ClientSampleId :

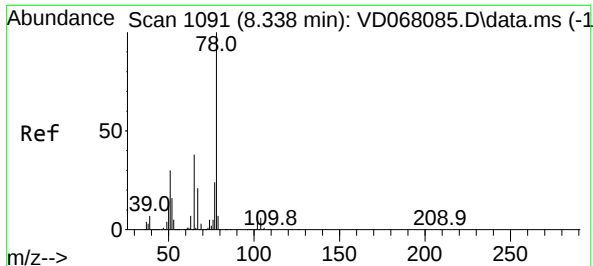
Tgt Ion:	84	Resp:	9289
Ion	Ratio	Lower	Upper
84	100		
49	107.1	77.4	116.2
51	46.7	26.1	39.1#
86	62.5	51.8	77.8



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

Tgt Ion:	56	Resp:	11344
Ion	Ratio	Lower	Upper
56	100		
69	145.2	30.1	45.1#
84	166.0	82.1	123.1#

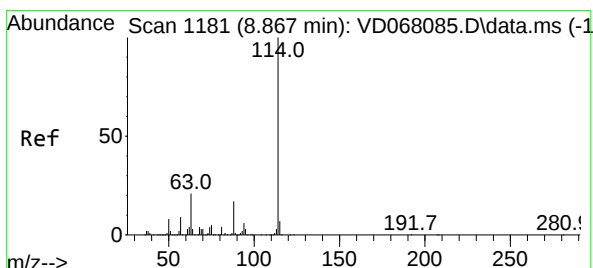
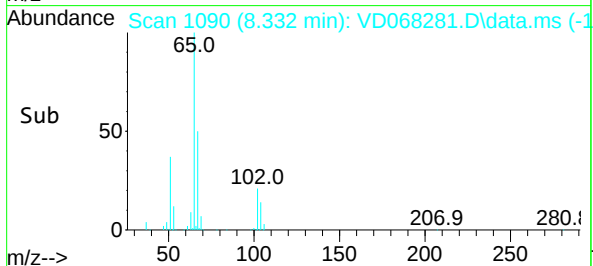
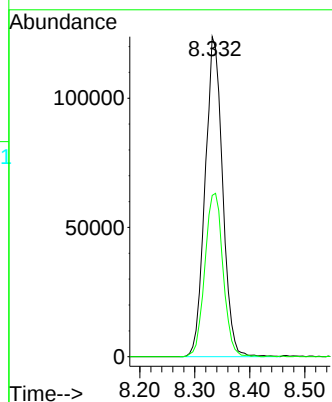
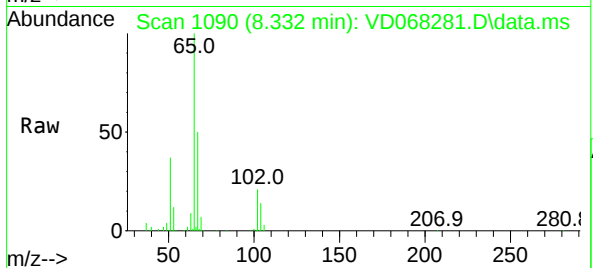




#33
 1,2-Dichloroethane-d4
 Concen: 60.31 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: VD068281.D
 Acq: 04 Feb 2021 17:19

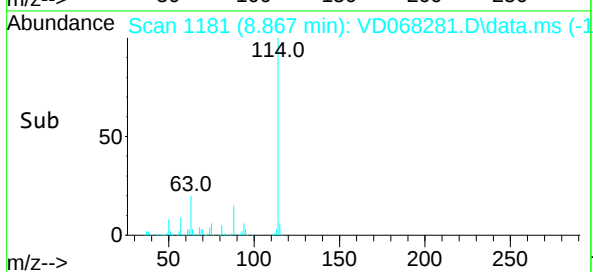
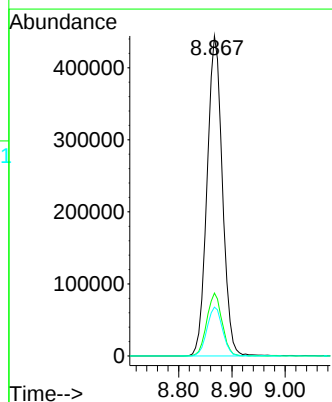
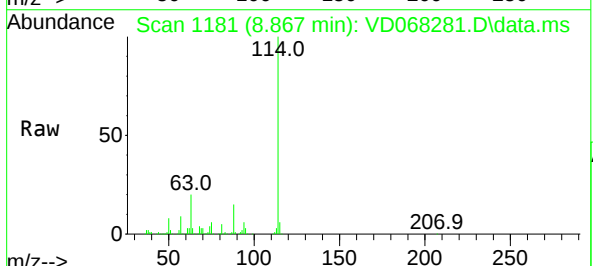
Instrument :
 MSVOA_D
 ClientSampled :

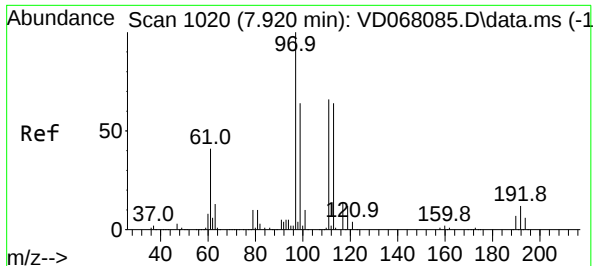
Tgt Ion: 65 Resp: 273518
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. -0.000 min
 Lab File: VD068281.D
 Acq: 04 Feb 2021 17:19

Tgt Ion: 114 Resp: 886108
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 34.8
 88 15.2 0.0 31.6

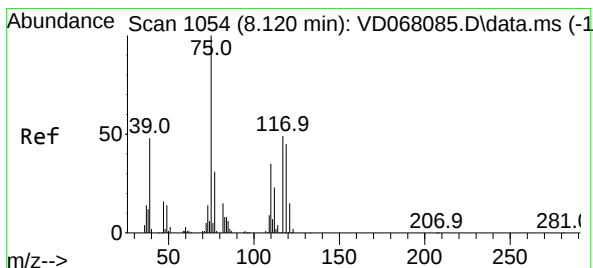
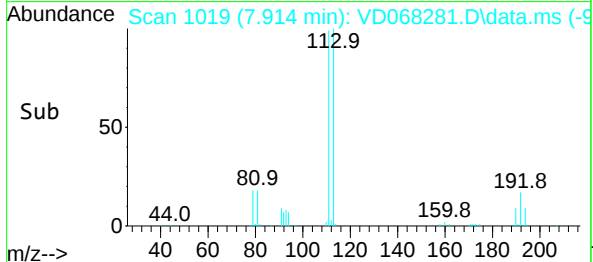
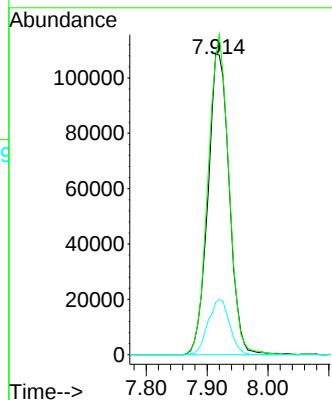
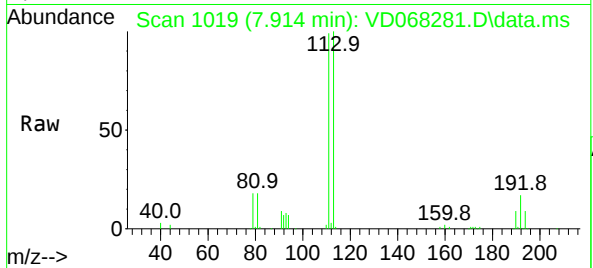




#35
Dibromofluoromethane
Concen: 54.15 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

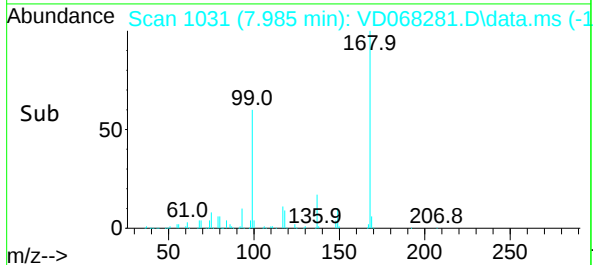
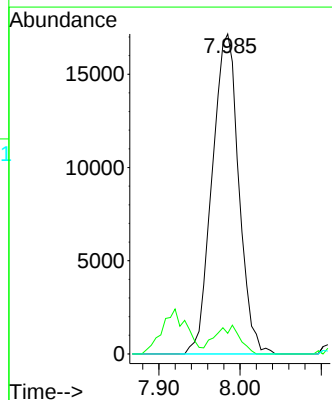
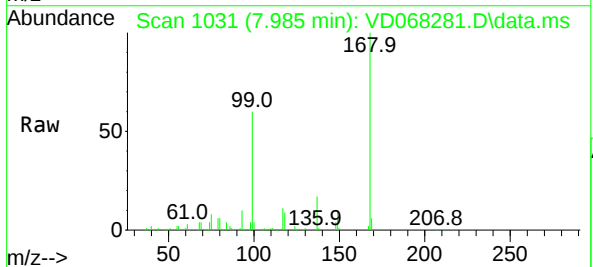
Instrument :
MSVOA_D
ClientSampled :

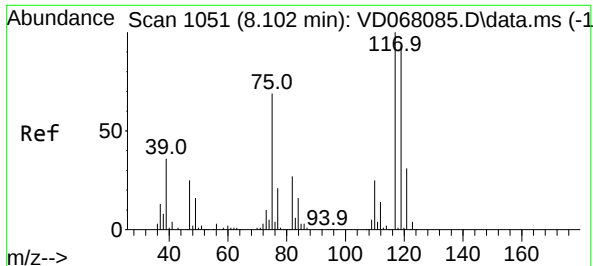
Tgt Ion:113 Resp: 265291
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 18.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

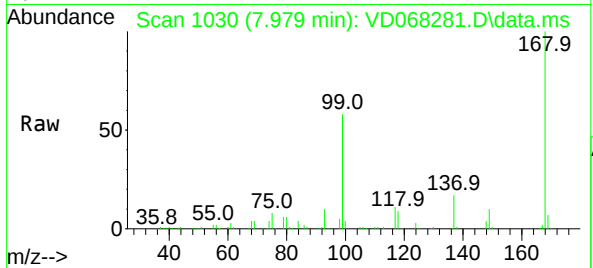
Tgt Ion: 75 Resp: 39119
Ion Ratio Lower Upper
75 100
110 8.3 19.4 58.2#
77 0.0 25.3 37.9#



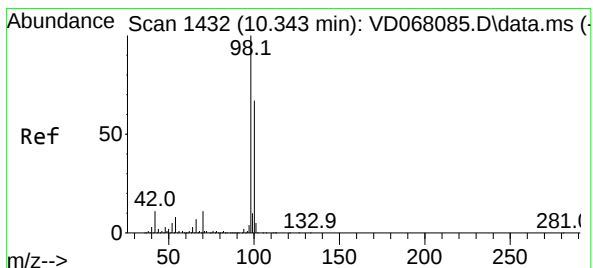
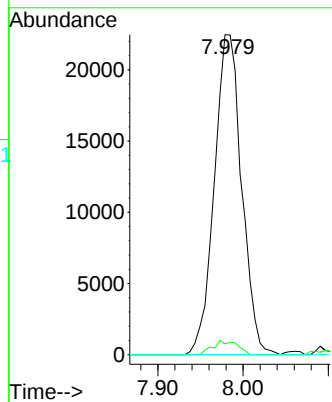
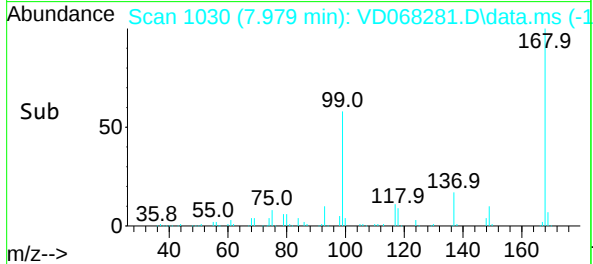


#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.124 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

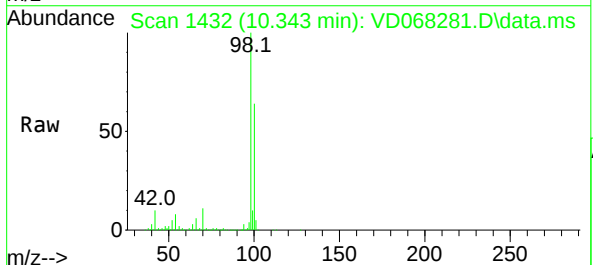
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MSVOA_D
ClientSampled :



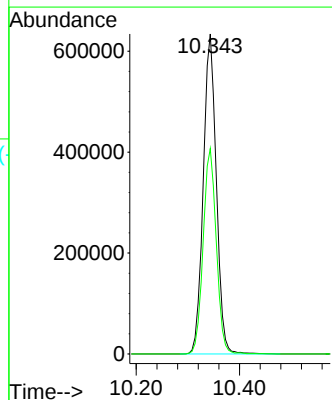
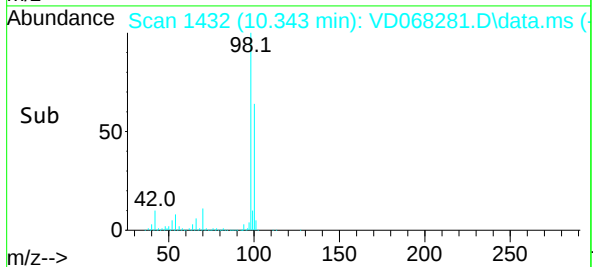
Tgt Ion:117 Resp: 50075
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 24.7 37.1#

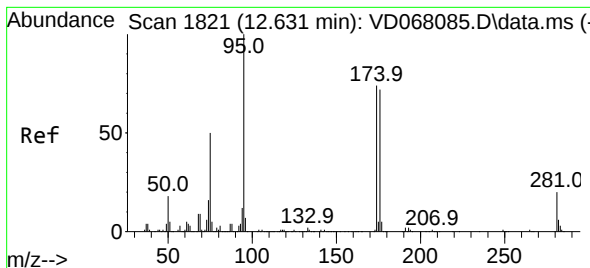


#50
Toluene-d8
Concen: 56.71 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19



Tgt Ion: 98 Resp: 1111215
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4

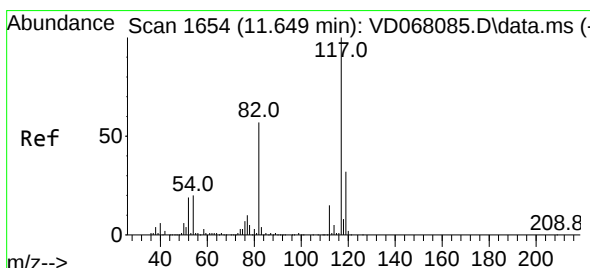
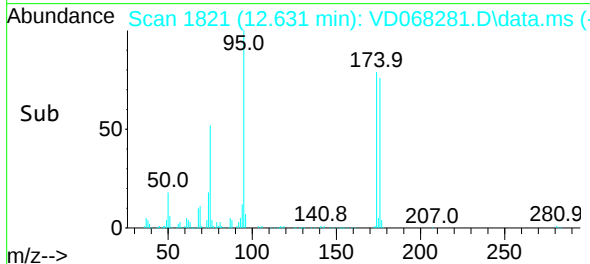
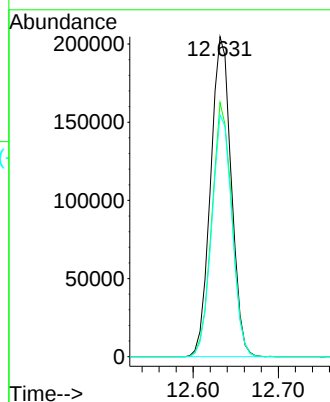
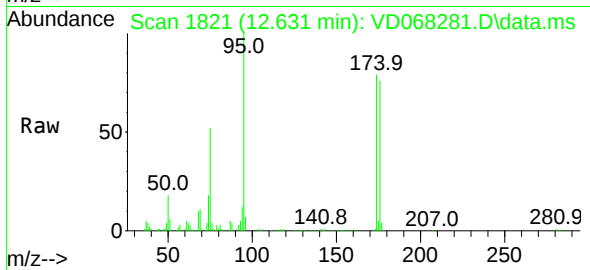




#62
4-Bromofluorobenzene
Concen: 48.90 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

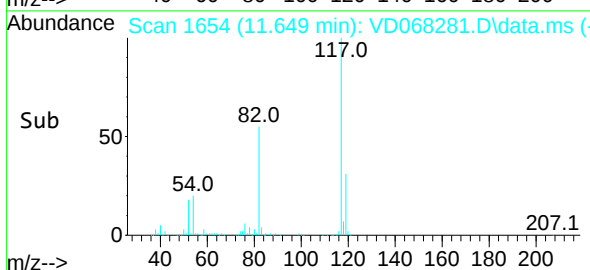
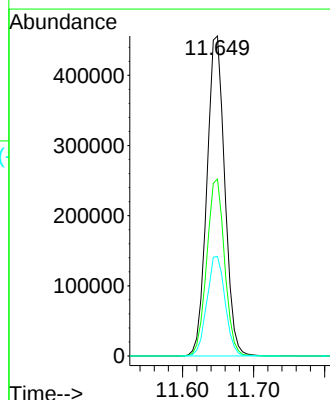
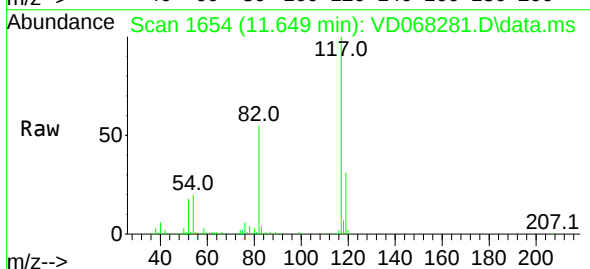
Instrument :
MSVOA_D
ClientSampleId :

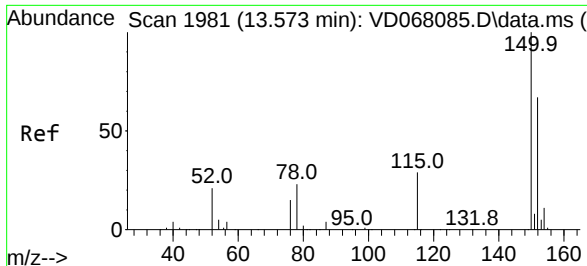
Tgt Ion: 95 Resp: 345077
Ion Ratio Lower Upper
95 100
174 77.0 0.0 172.4
176 74.5 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068281.D
Acq: 04 Feb 2021 17:19

Tgt Ion:117 Resp: 797634
Ion Ratio Lower Upper
117 100
82 55.3 41.4 62.0
119 31.1 26.1 39.1

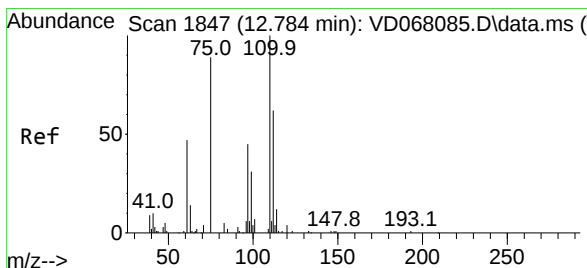
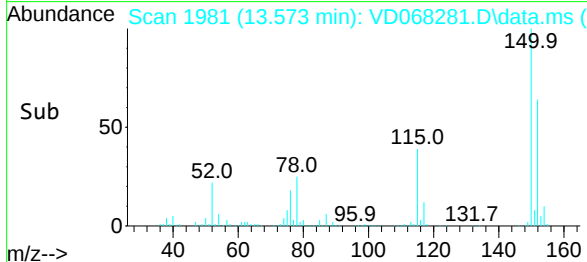
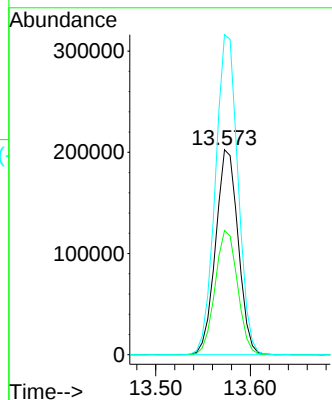
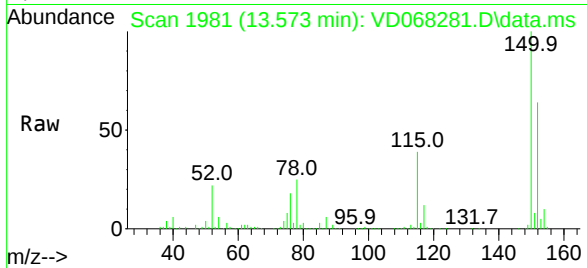




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068281.D
 Acq: 04 Feb 2021 17:19

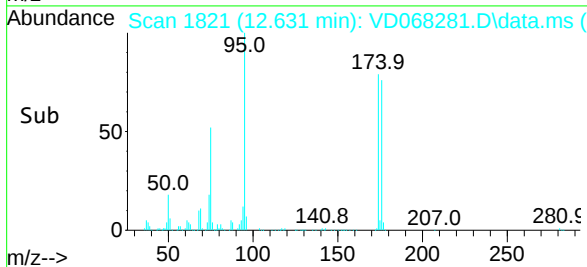
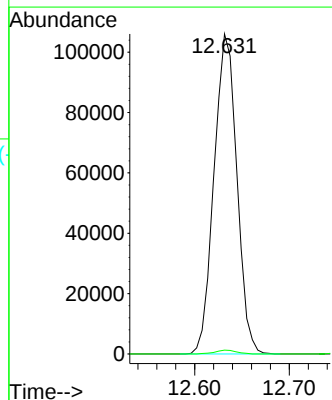
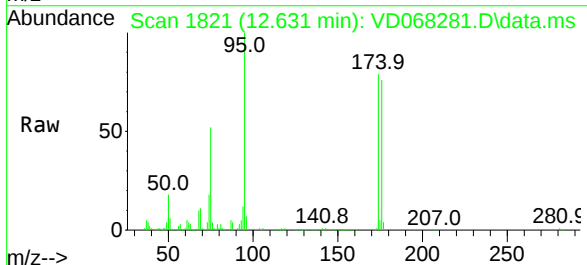
Instrument :
 MSVOA_D
 ClientSampled :

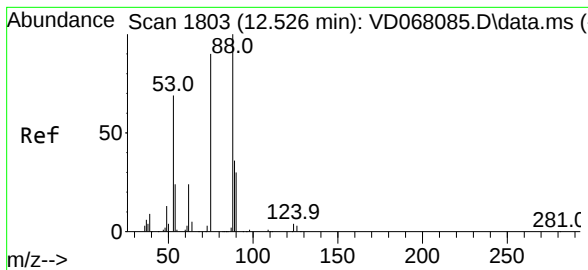
Tgt Ion:152 Resp: 334979
 Ion Ratio Lower Upper
 152 100
 115 60.4 28.9 86.8
 150 156.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 54.84 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068281.D
 Acq: 04 Feb 2021 17:19

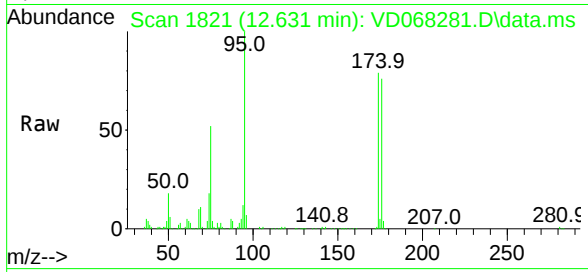
Tgt Ion: 75 Resp: 177614
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.97 ug/l
 RT: 12.631 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068281.D
 Acq: 04 Feb 2021 17:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 177614
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

