

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068287.D
 Acq On : 04 Feb 2021 20:03
 Operator : VA/SY
 Sample : M1291-15RE
 Misc : 6.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:06:47 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)

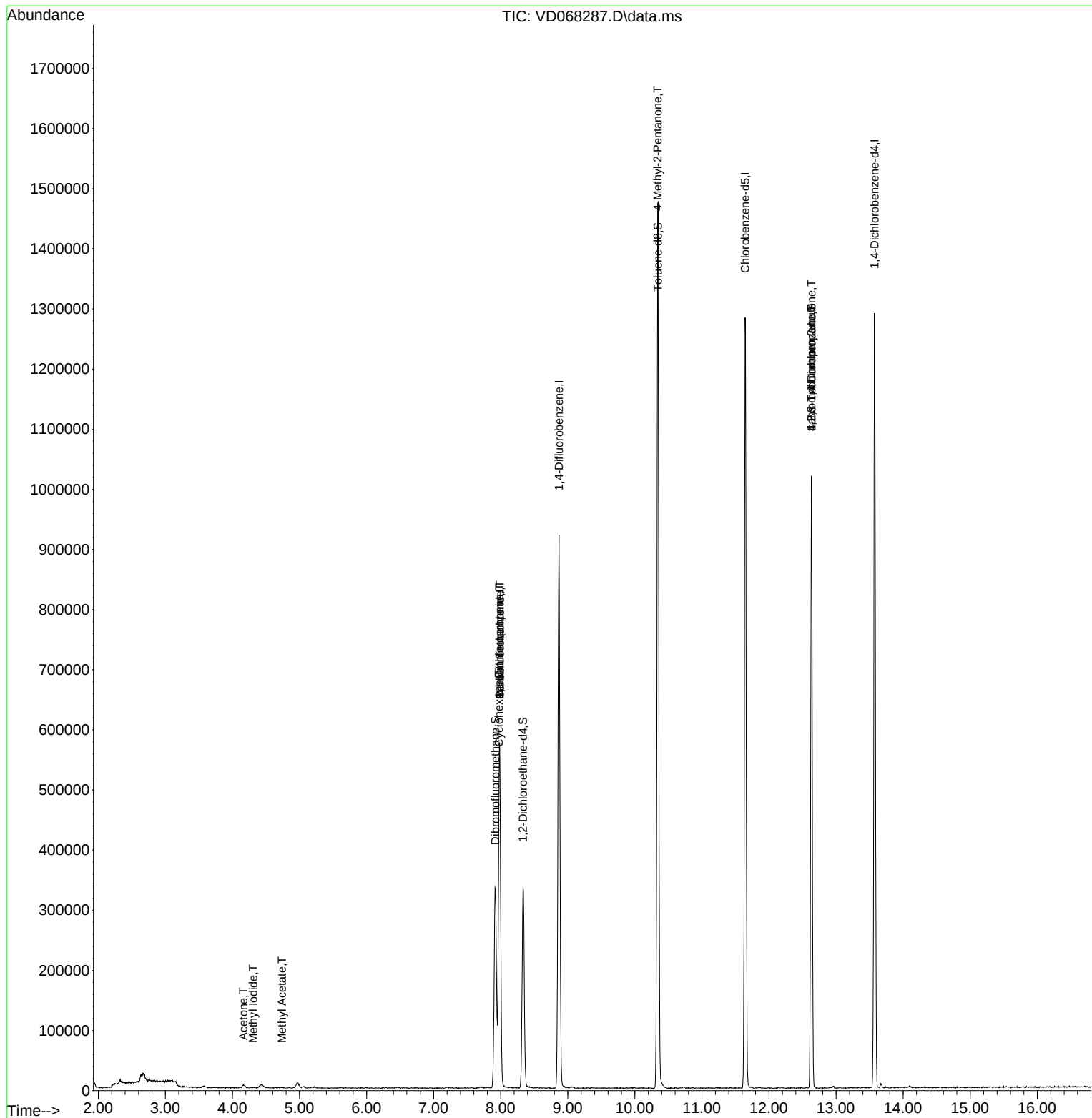
Internal Standards						
1) Pentafluorobenzene	7.985	168	433318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	815539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	761943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	344305	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	264257	63.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.50%			
35) Dibromofluoromethane	7.920	113	248596	55.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.28%			
50) Toluene-d8	10.344	98	1026324	56.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.82%			
62) 4-Bromofluorobenzene	12.632	95	346288	53.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.64%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	785	3.30	ug/l #	58
11) Tert butyl alcohol	5.220	59	1240	Below Cal	#	74
16) Acetone	4.162	43	9201	12.43	ug/l #	75
18) Methyl Acetate	4.738	43	2375	1.24	ug/l #	48
20) Methylene Chloride	4.962	84	7350	Below Cal		87
31) Cyclohexane	7.973	56	9631	1.07	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	34749	4.23	ug/l #	47
38) Carbon Tetrachloride	7.985	117	43130	5.60	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	3995	1.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	172703	51.88	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	172703	104.98	ug/l #	13

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

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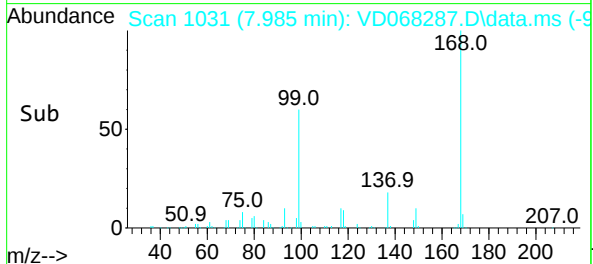
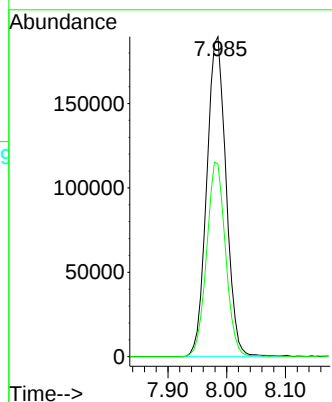
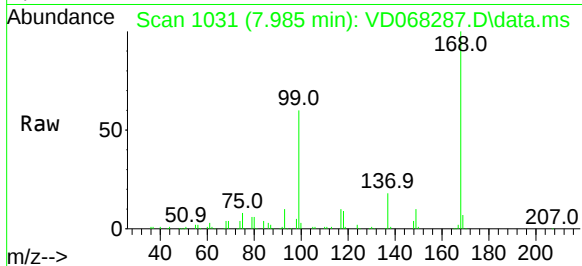




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

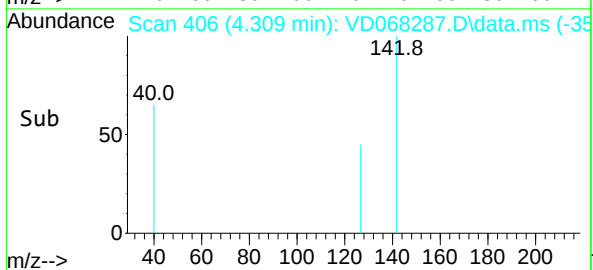
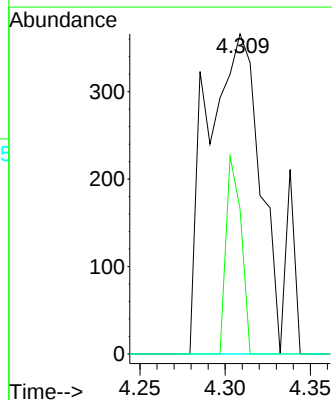
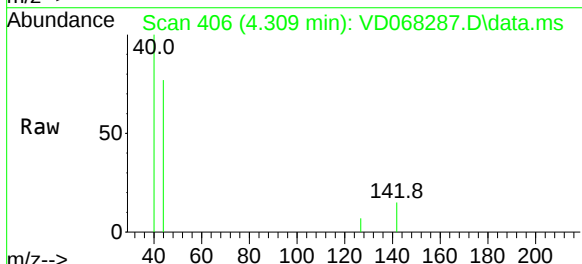
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 433318
Ion Ratio Lower Upper
168 100
99 60.3 43.5 65.3



#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion:142 Resp: 785
Ion Ratio Lower Upper
142 100
127 17.6 37.9 56.9#
141 0.0 11.5 17.3#

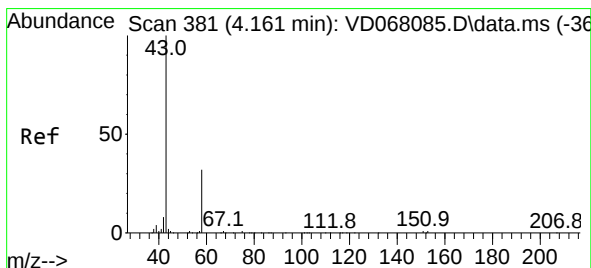
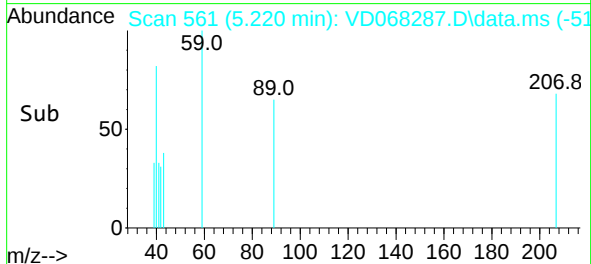
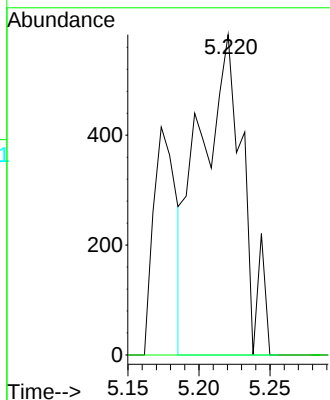
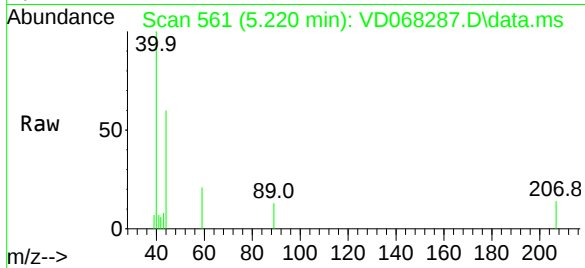




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

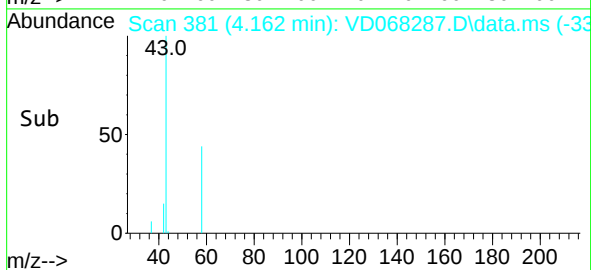
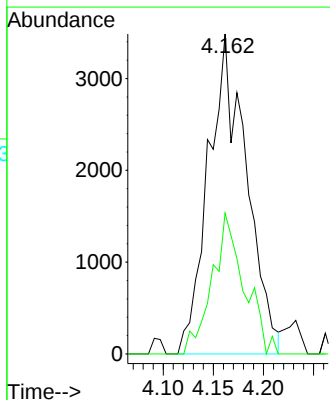
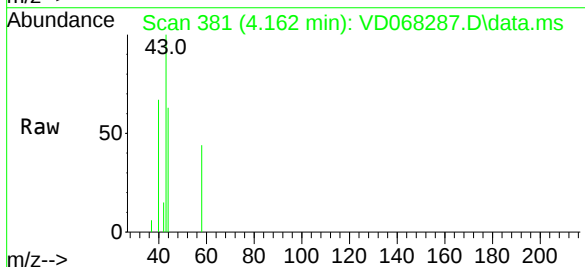
Instrument :
MSVOA_D
ClientSampled :

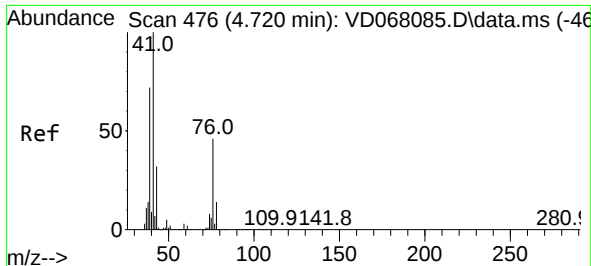
Tgt Ion: 59 Resp: 1240
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 12.43 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 43 Resp: 9201
Ion Ratio Lower Upper
43 100
58 44.0 24.2 36.4#

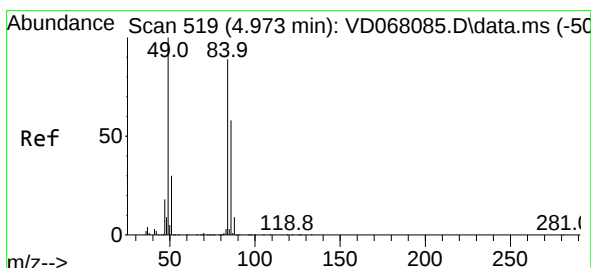
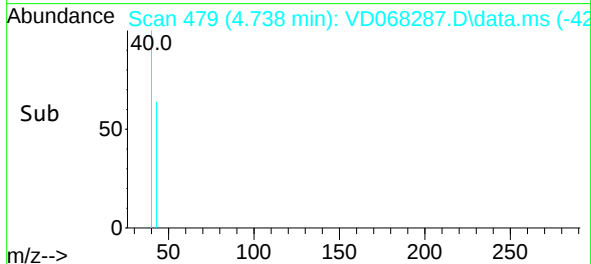
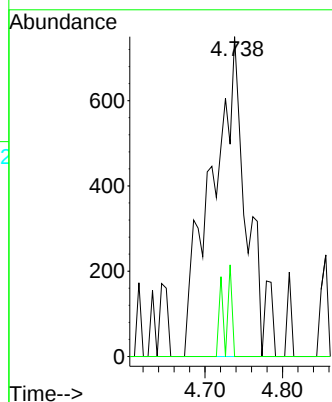
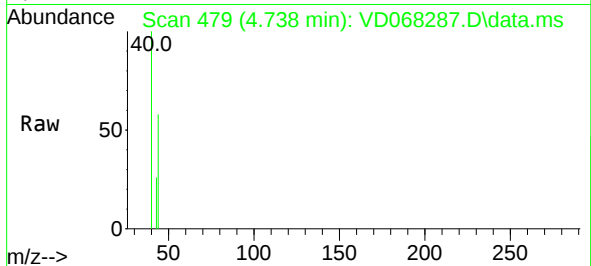




#18
Methyl Acetate
Concen: 1.24 ug/l
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

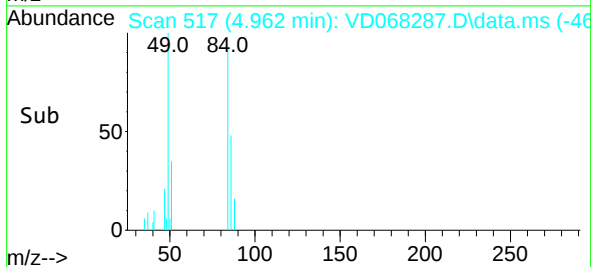
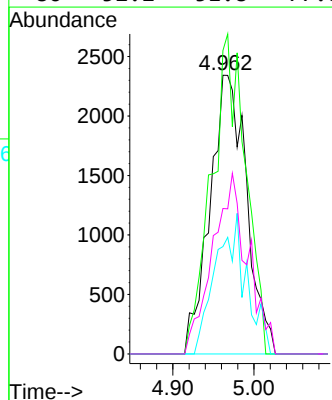
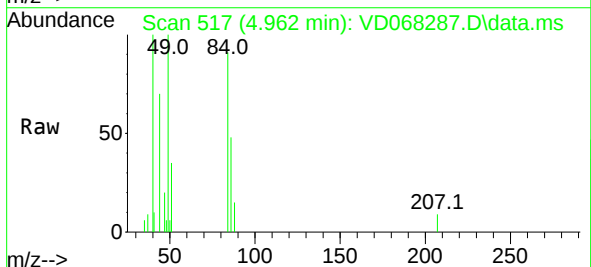
Instrument :
MSVOA_D
ClientSampled :

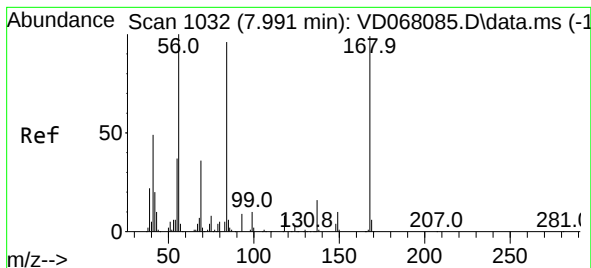
Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
74 2.8 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 84 Resp: 7350
Ion Ratio Lower Upper
84 100
49 108.8 77.4 116.2
51 38.5 26.1 39.1
86 52.2 51.8 77.8

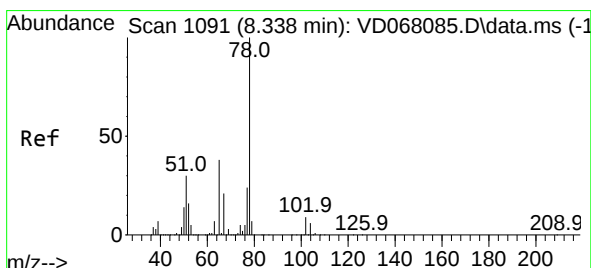
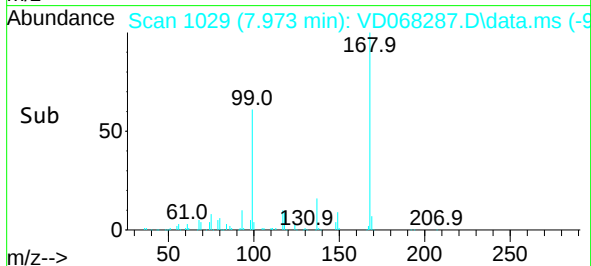
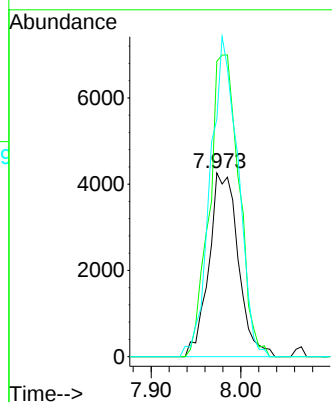
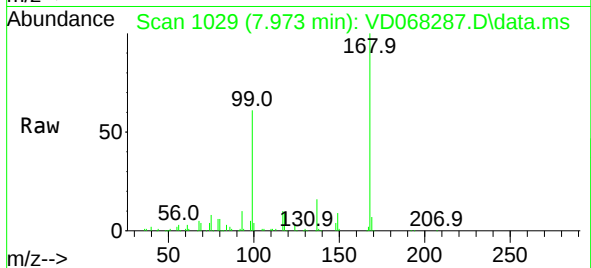




#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

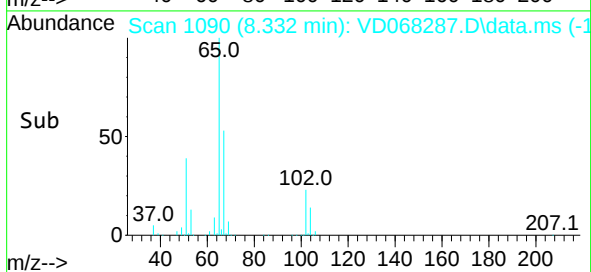
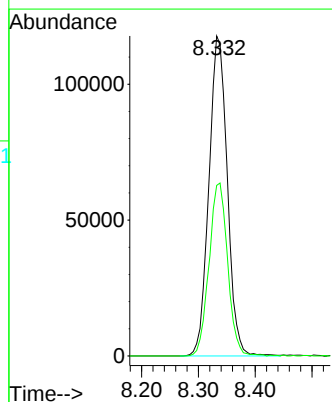
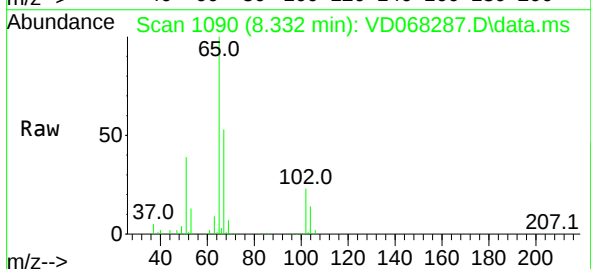
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 9631
Ion Ratio Lower Upper
56 100
69 160.9 30.1 45.1#
84 129.3 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 63.75 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 65 Resp: 264257
Ion Ratio Lower Upper
65 100
67 54.6 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: VD068287.D

Acq: 04 Feb 2021 20:03

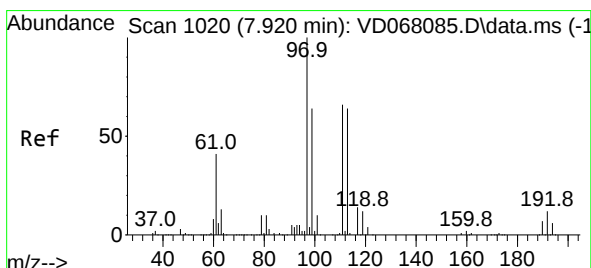
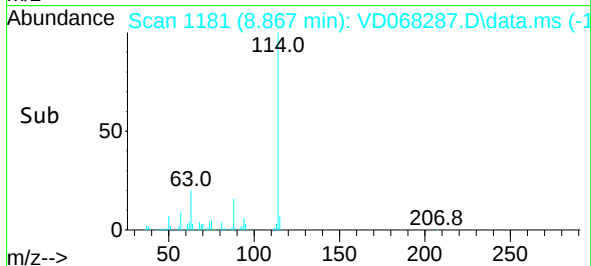
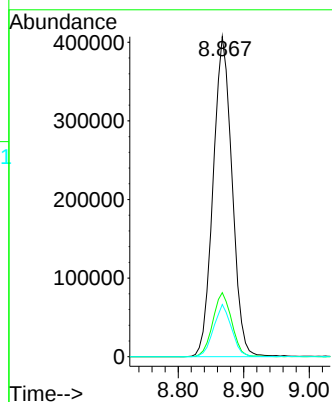
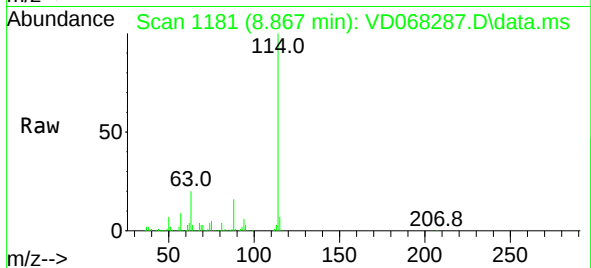
Tgt Ion:114 Resp: 815539

Ion Ratio Lower Upper

114 100

63 20.0 0.0 34.8

88 16.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 55.14 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068287.D

Acq: 04 Feb 2021 20:03

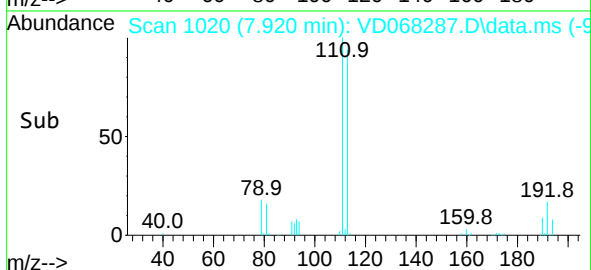
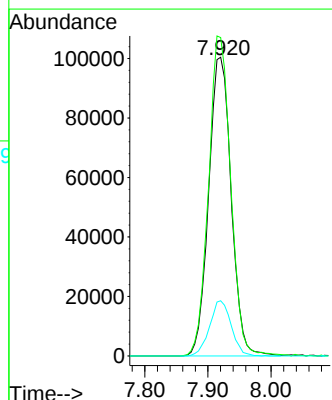
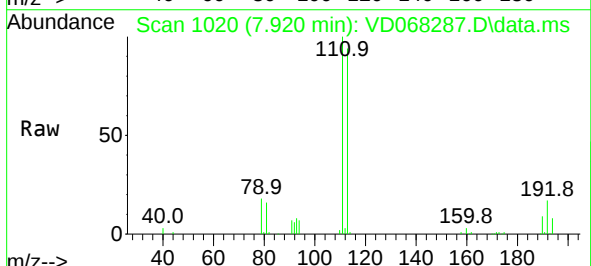
Tgt Ion:113 Resp: 248596

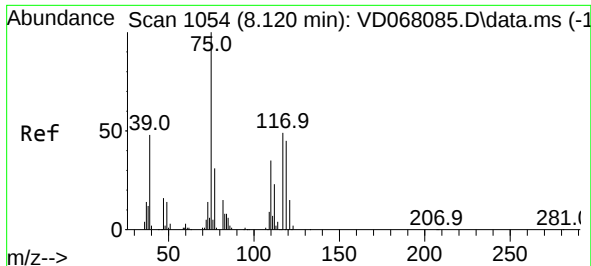
Ion Ratio Lower Upper

113 100

111 105.8 81.4 122.0

192 17.8 16.1 24.1

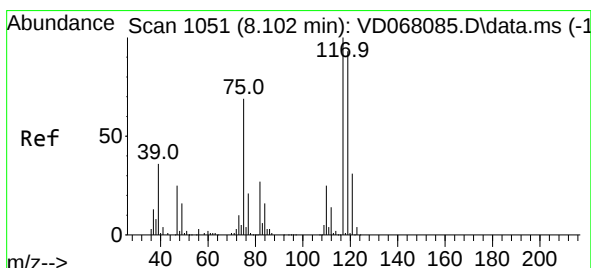
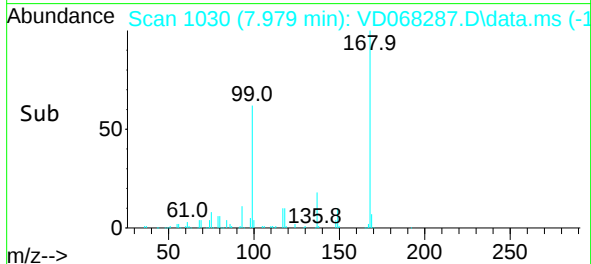
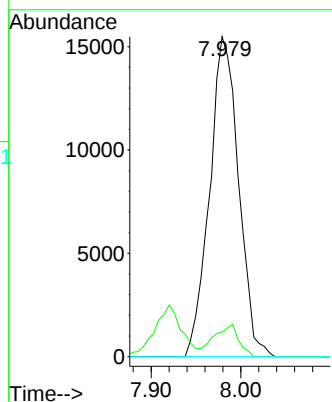
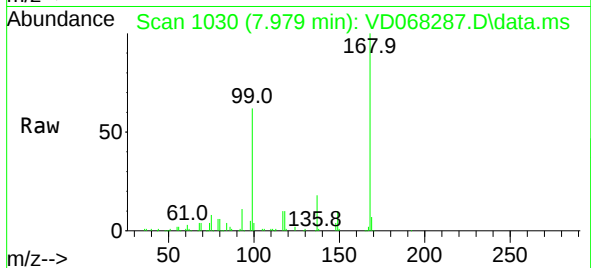




#36
1,1-Dichloropropene
Concen: 4.23 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

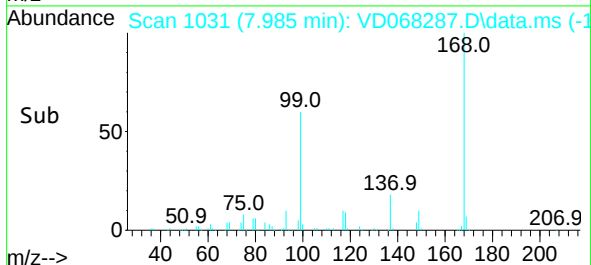
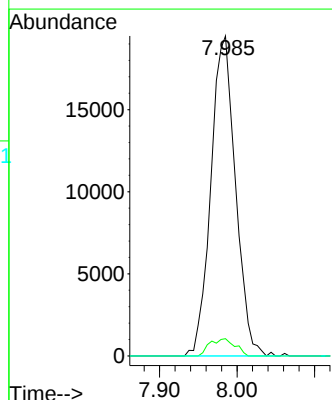
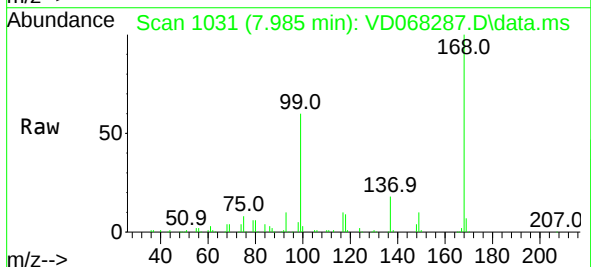
Instrument :
MSVOA_D
ClientSampled :

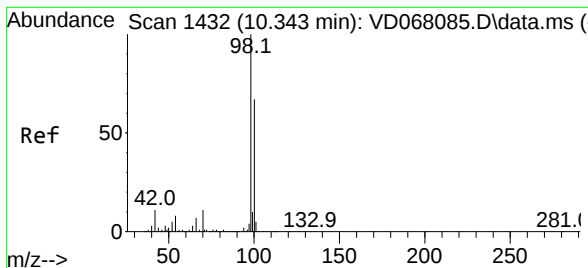
Tgt Ion: 75 Resp: 34749
Ion Ratio Lower Upper
75 100
110 8.8 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 117 Resp: 43130
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.7 37.1#

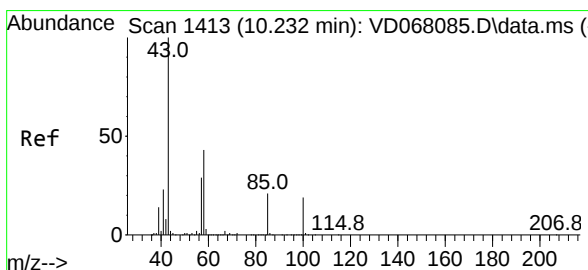
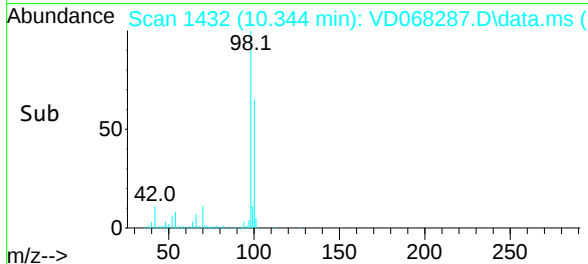
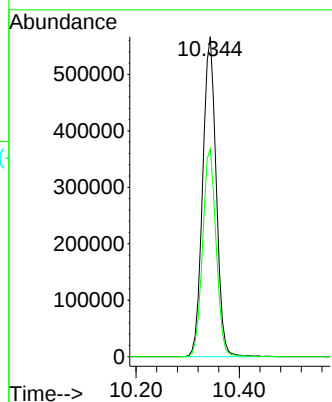
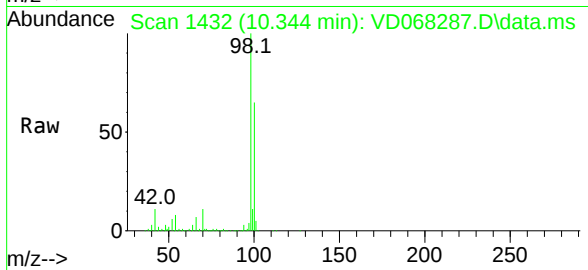




#50
Toluene-d8
Concen: 56.91 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

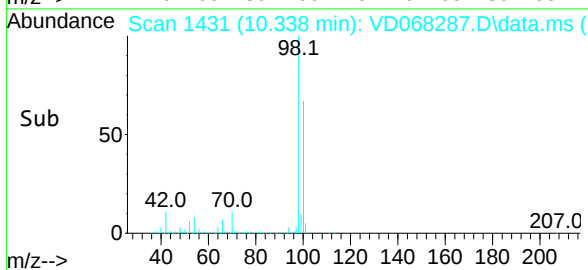
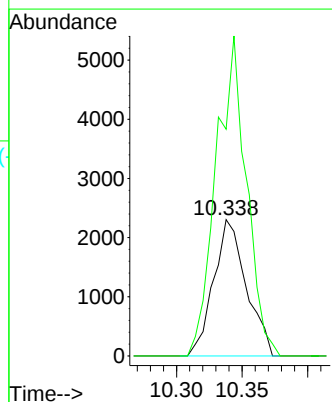
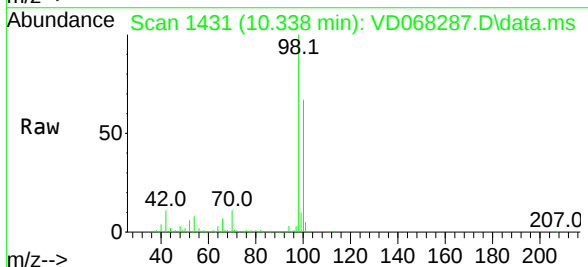
Instrument :
MSVOA_D
ClientSampled :

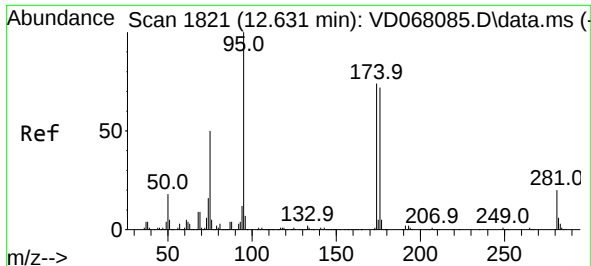
Tgt Ion: 98 Resp: 1026324
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 43 Resp: 3995
Ion Ratio Lower Upper
43 100
58 217.8 36.1 54.1#

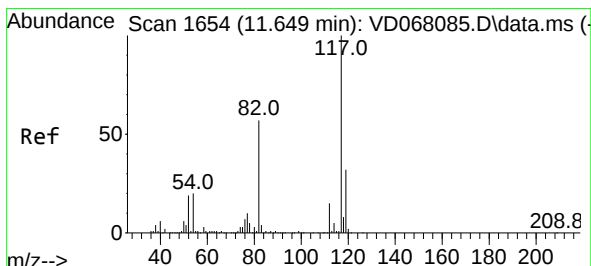
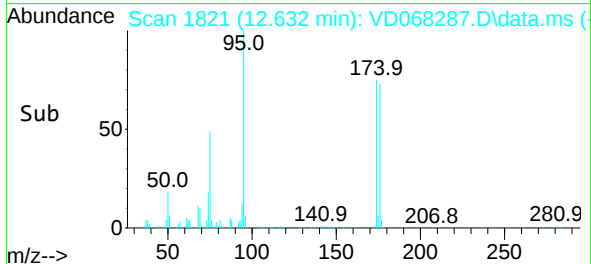
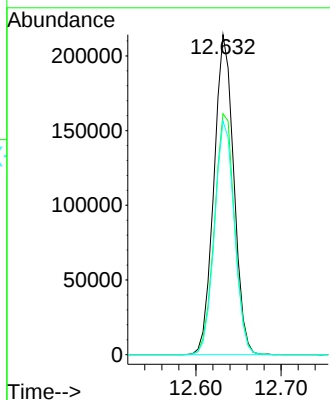
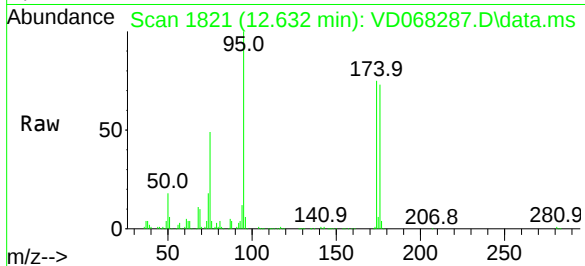




#62
4-Bromofluorobenzene
Concen: 53.32 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

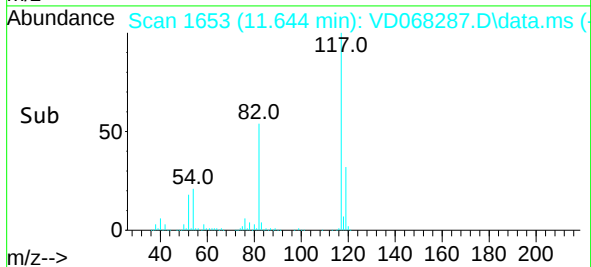
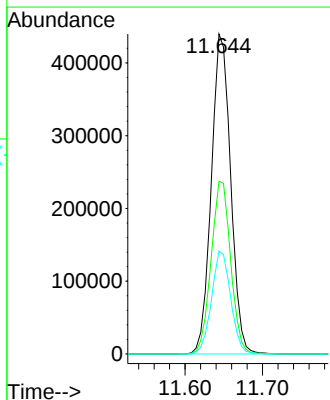
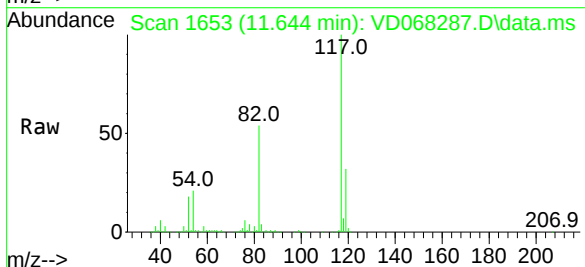
Instrument :
MSVOA_D
ClientSampleId :

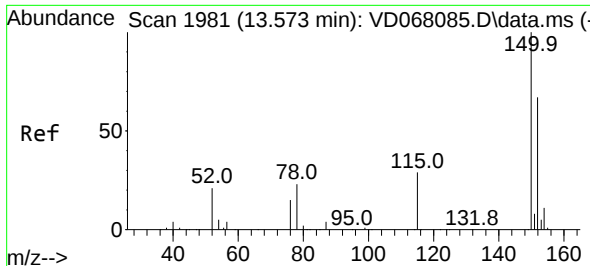
Tgt Ion: 95 Resp: 346288
Ion Ratio Lower Upper
95 100
174 76.7 0.0 172.4
176 73.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068287.D
Acq: 04 Feb 2021 20:03

Tgt Ion: 117 Resp: 761943
Ion Ratio Lower Upper
117 100
82 53.9 41.4 62.0
119 32.1 26.1 39.1

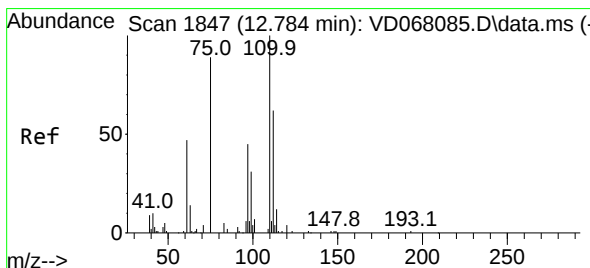
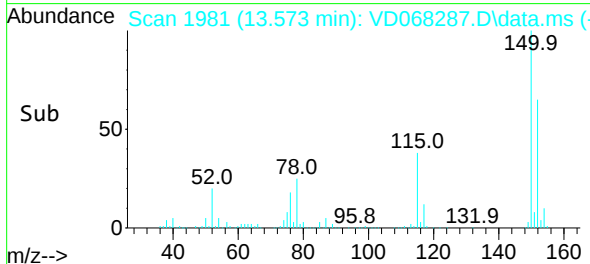
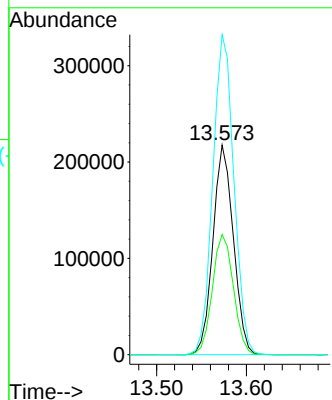
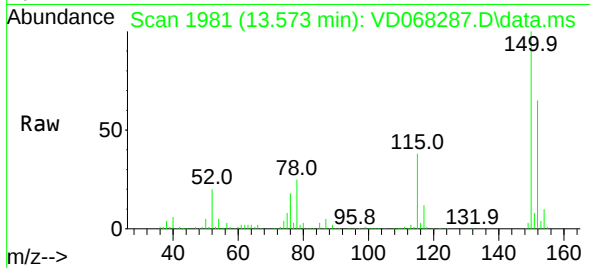




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068287.D
 Acq: 04 Feb 2021 20:03

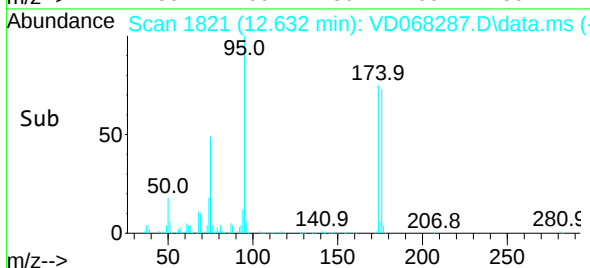
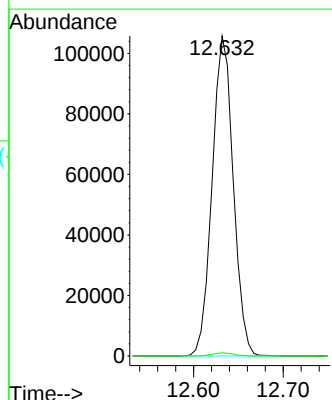
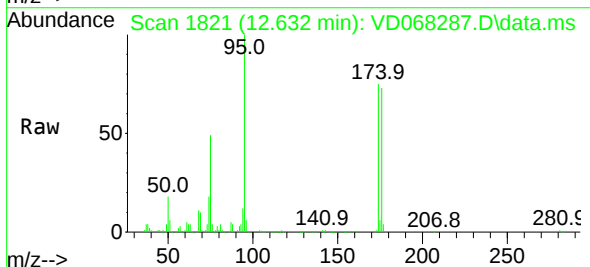
Instrument :
 MSVOA_D
 ClientSampled :

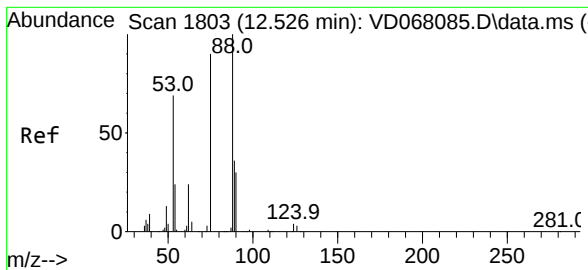
Tgt Ion:152 Resp: 344305
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.9 86.8
 150 157.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 51.88 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068287.D
 Acq: 04 Feb 2021 20:03

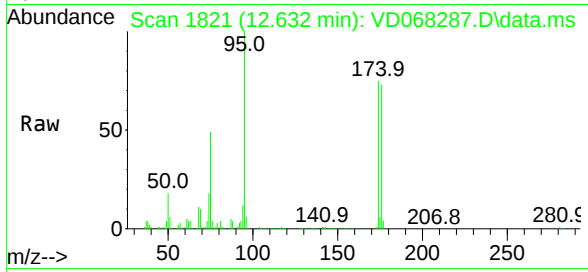
Tgt Ion: 75 Resp: 172703
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.98 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068287.D
 Acq: 04 Feb 2021 20:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 172703
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

