

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012621\  
 Data File : VD068186.D  
 Acq On : 26 Jan 2021 12:46  
 Operator : VA/SY  
 Sample : M1235-02  
 Misc : 6.4G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampled :

Quant Time: Jan 27 00:11:25 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

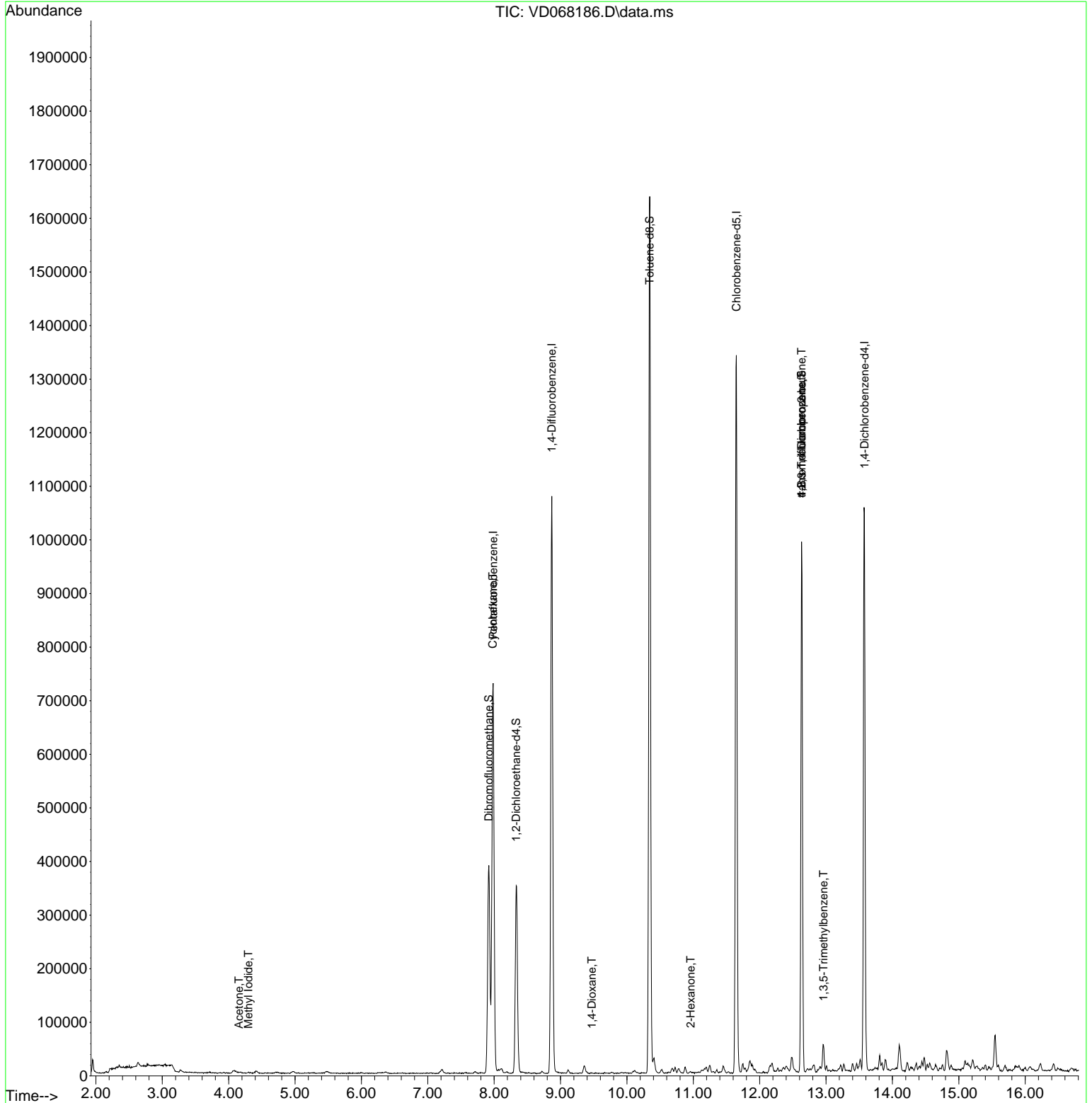
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	7.985	168	550757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	971191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	808630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	293550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	283773	53.86	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.72%
35) Dibromofluoromethane	7.920	113	287206	53.49	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.98%
50) Toluene-d8	10.344	98	1165289	54.26	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.52%
62) 4-Bromofluorobenzene	12.632	95	338887	43.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.64%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.297	142	1662	3.39	ug/l #	71
11) Tert butyl alcohol	5.220	59	691	Below	Cal #	74
16) Acetone	4.156	43	3467	3.69	ug/l #	44
20) Methylene Chloride	4.961	84	2542	Below	Cal #	79
31) Cyclohexane	7.979	56	15563	1.36	ug/l #	36
49) 1,4-Dioxane	9.473	88	104	2.61	ug/l #	6
59) 2-Hexanone	10.961	43	2416	1.04	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	172058	60.62	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.961	105	22383	1.10	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.632	75	172058	122.67	ug/l #	13
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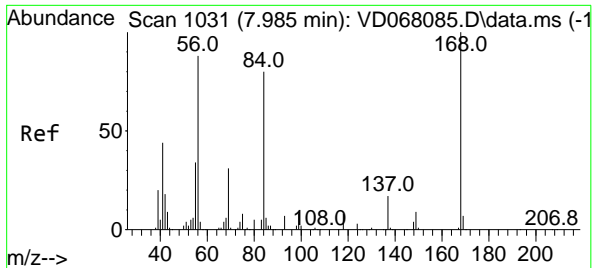
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012621\  
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Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jan 27 00:11:25 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

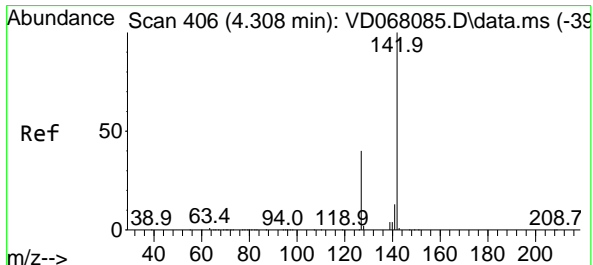
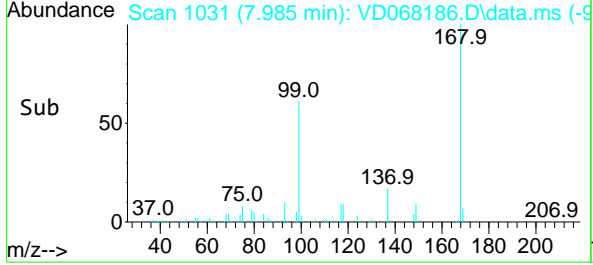
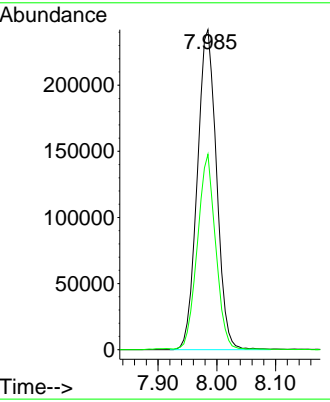
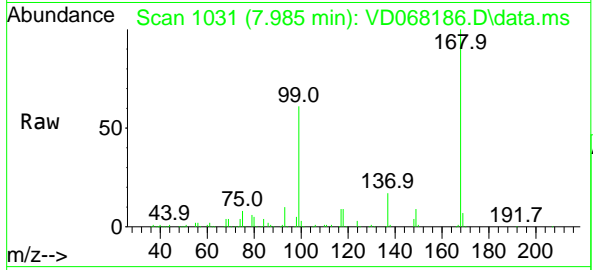




#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.985 min Scan# 1031  
 Delta R.T. -0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

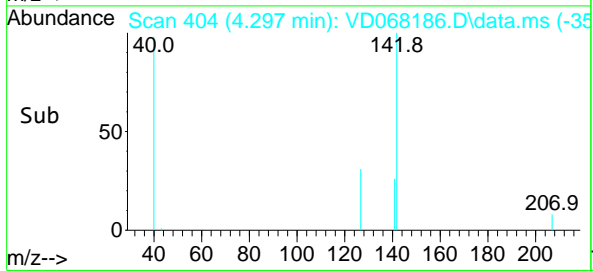
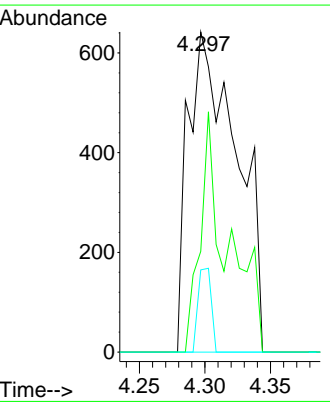
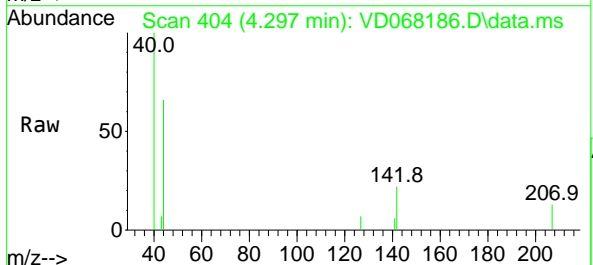
Instrument :  
 MSVOA\_D  
 ClientSampled :

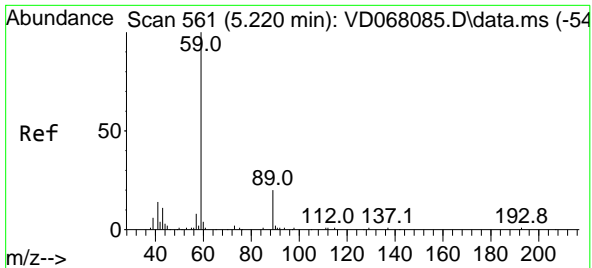
Tgt Ion:168 Resp: 550757  
 Ion Ratio Lower Upper  
 168 100  
 99 61.0 43.5 65.3



#10  
 Methyl Iodide  
 Concen: 3.39 ug/l  
 RT: 4.297 min Scan# 404  
 Delta R.T. -0.011 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

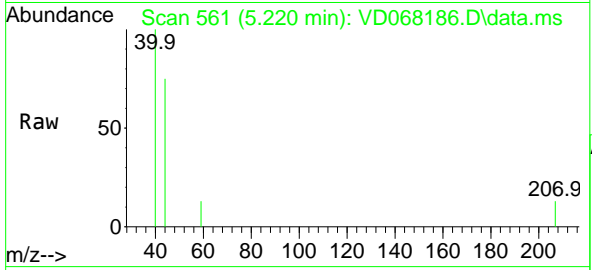
Tgt Ion:142 Resp: 1662  
 Ion Ratio Lower Upper  
 142 100  
 127 25.8 37.9 56.9#  
 141 7.0 11.5 17.3#



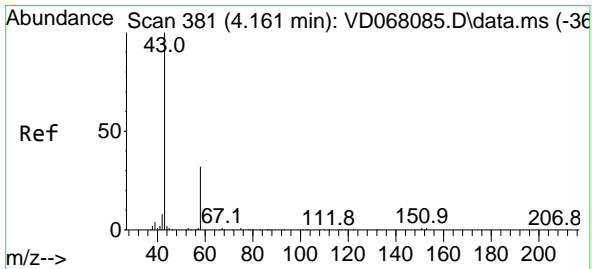
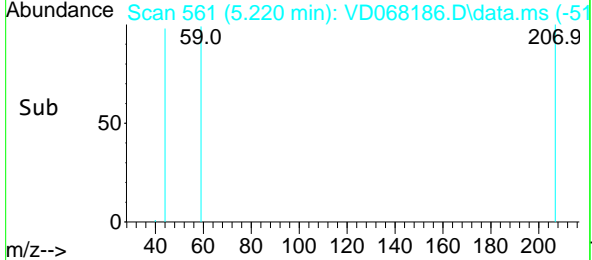
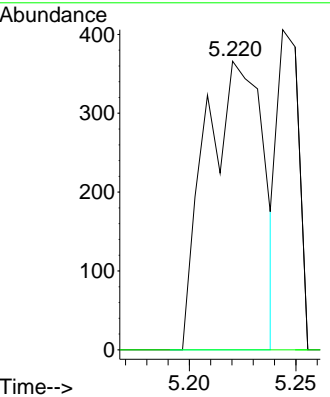


#11  
 Tert butyl alcohol  
 Concen: Below Cal  
 RT: 5.220 min Scan# 561  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

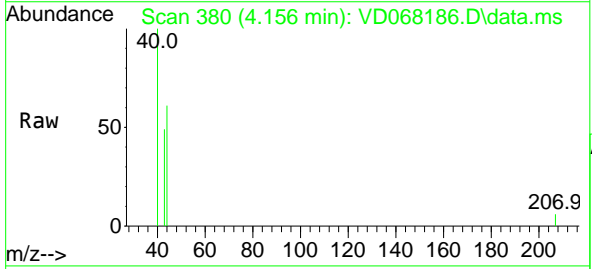
Instrument :  
 MSVOA\_D  
 ClientSampled :



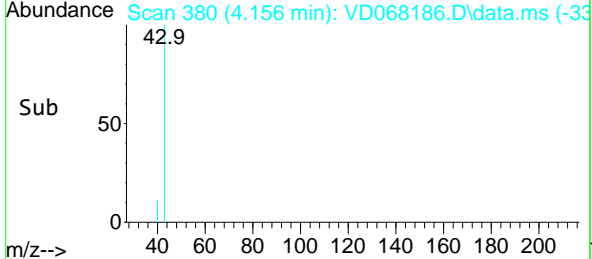
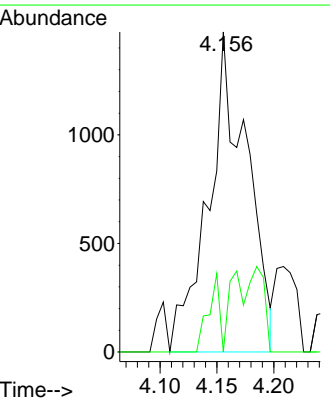
Tgt Ion: 59 Resp: 691  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.4 11.2#

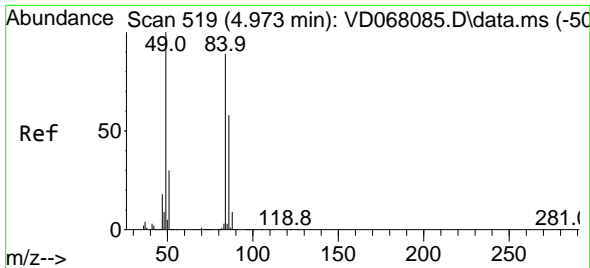


#16  
 Acetone  
 Concen: 3.69 ug/l  
 RT: 4.156 min Scan# 380  
 Delta R.T. -0.006 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



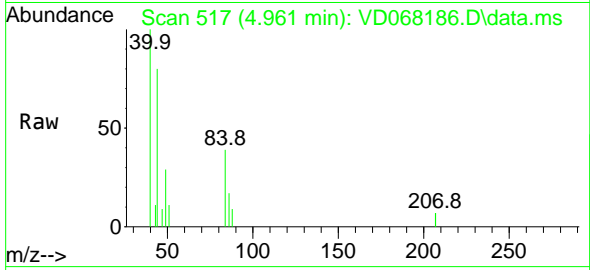
Tgt Ion: 43 Resp: 3467  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 24.2 36.4#



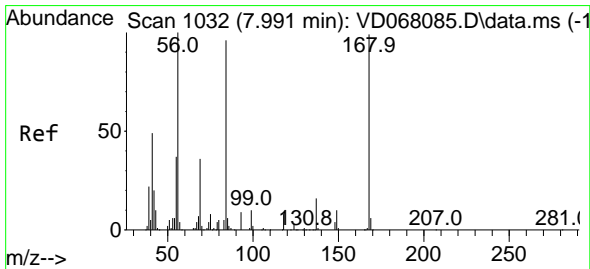
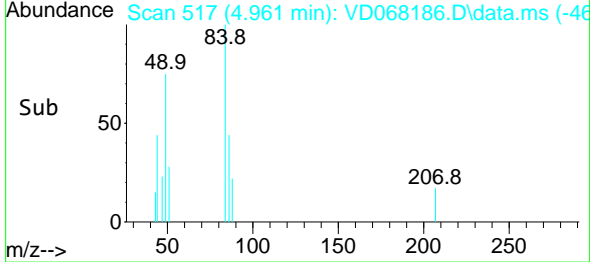
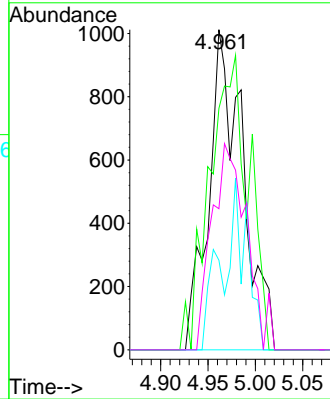


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.961 min Scan# 517  
Delta R.T. -0.012 min  
Lab File: VD068186.D  
Acq: 26 Jan 2021 12:46

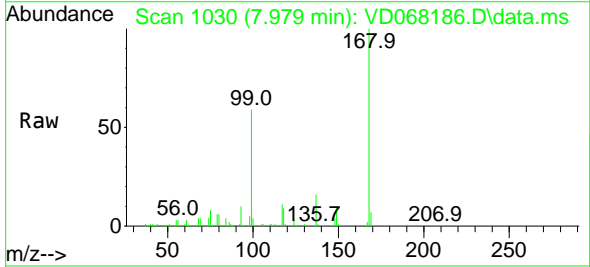
Instrument :  
MSVOA\_D  
ClientSampled :



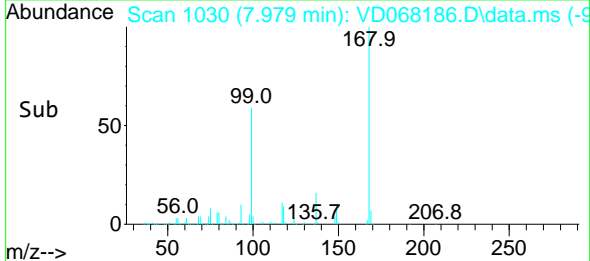
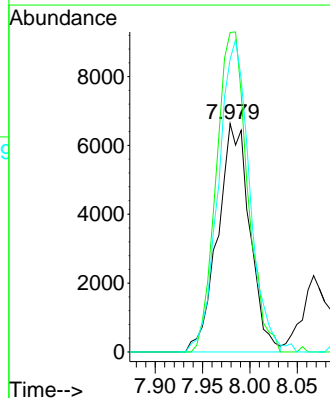
Tgt Ion: 84 Resp: 2542  
Ion Ratio Lower Upper  
84 100  
49 75.4 77.4 116.2#  
51 28.0 26.1 39.1  
86 44.1 51.8 77.8#

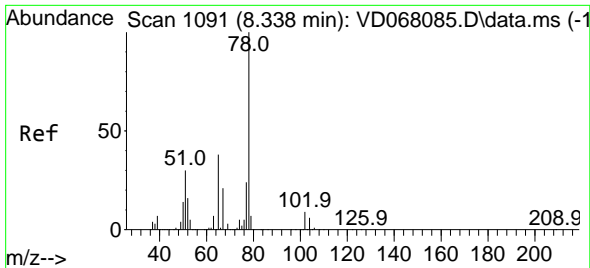


#31  
Cyclohexane  
Concen: 1.36 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VD068186.D  
Acq: 26 Jan 2021 12:46



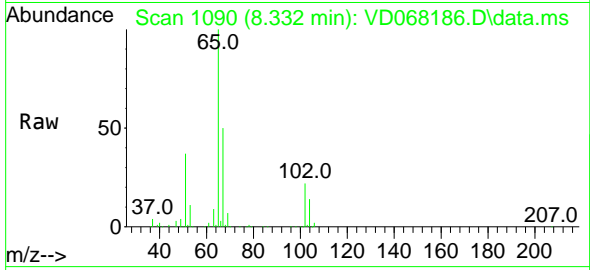
Tgt Ion: 56 Resp: 15563  
Ion Ratio Lower Upper  
56 100  
69 140.0 30.1 45.1#  
84 128.2 82.1 123.1#



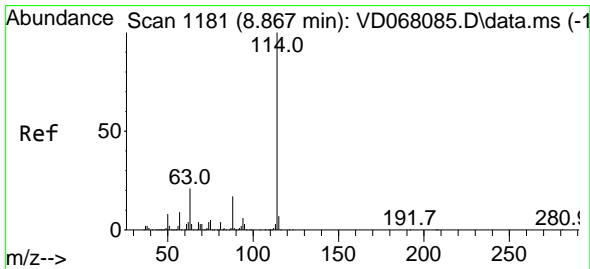
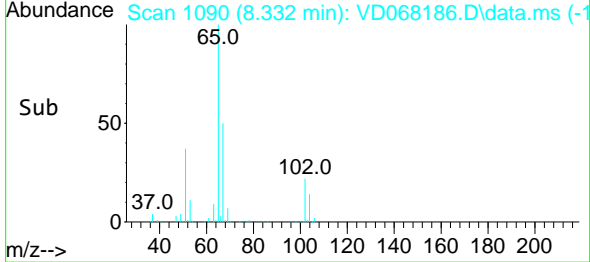
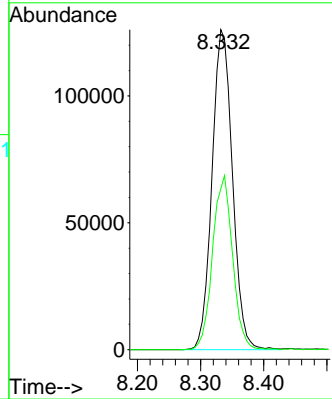


#33  
 1,2-Dichloroethane-d4  
 Concen: 53.86 ug/l  
 RT: 8.332 min Scan# 1090  
 Delta R.T. -0.006 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

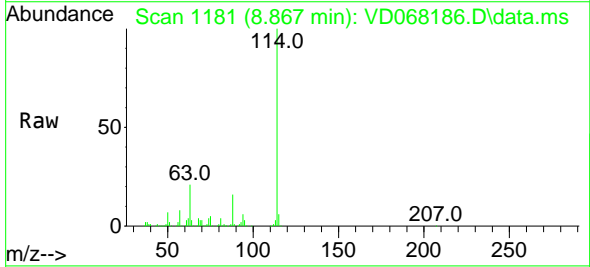
Instrument :  
 MSVOA\_D  
 ClientSampled :



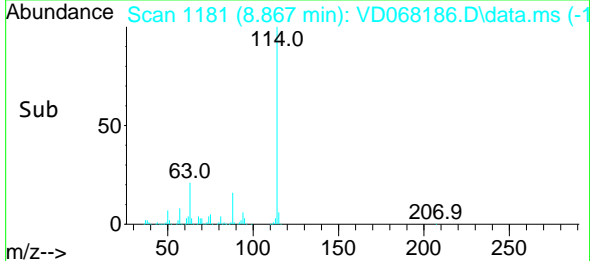
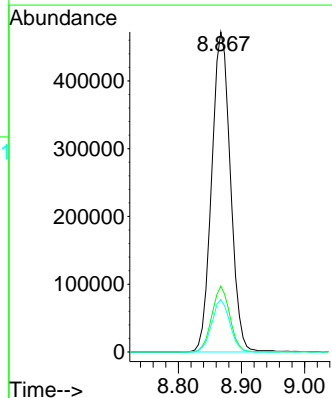
Tgt Ion: 65 Resp: 283773  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 105.0

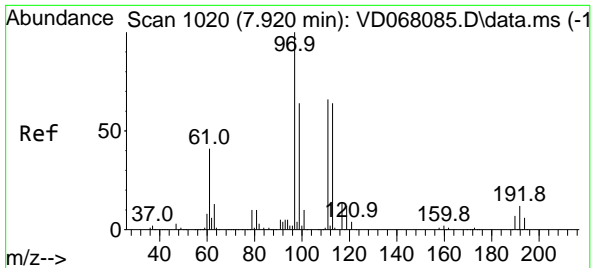


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.867 min Scan# 1181  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



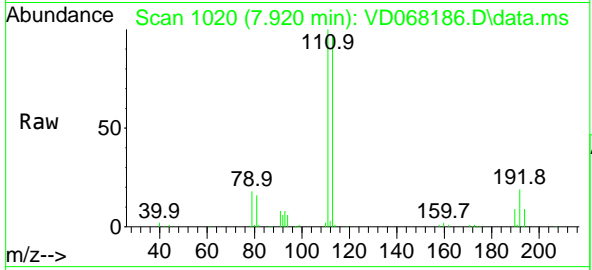
Tgt Ion: 114 Resp: 971191  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 34.8  
 88 16.4 0.0 31.6



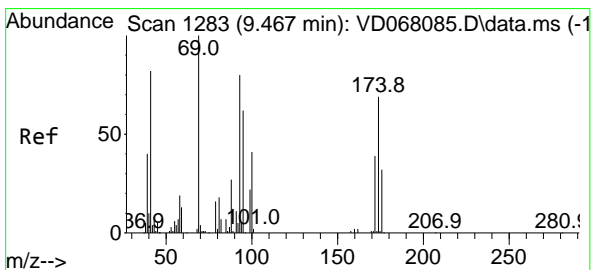
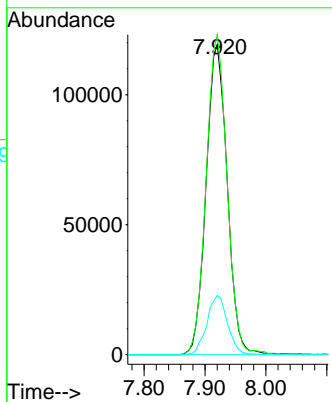
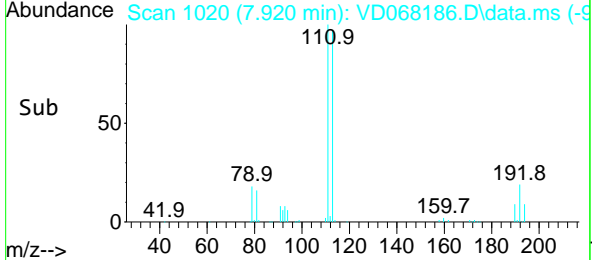


#35  
 Dibromofluoromethane  
 Concen: 53.49 ug/l  
 RT: 7.920 min Scan# 1020  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

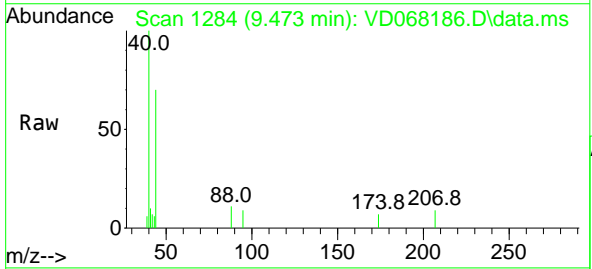
Instrument :  
 MSVOA\_D  
 ClientSampled :



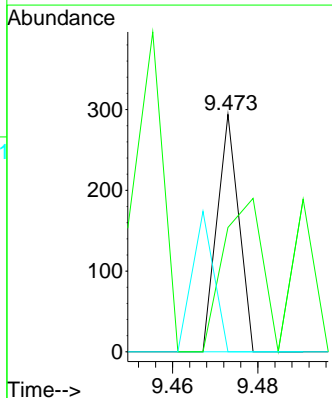
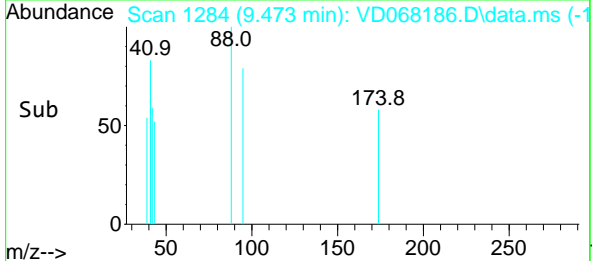
Tgt Ion:113 Resp: 287206  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.4 122.0  
 192 18.7 16.1 24.1

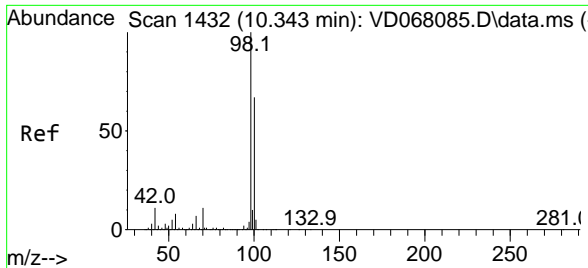


#49  
 1,4-Dioxane  
 Concen: 2.61 ug/l  
 RT: 9.473 min Scan# 1284  
 Delta R.T. 0.006 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



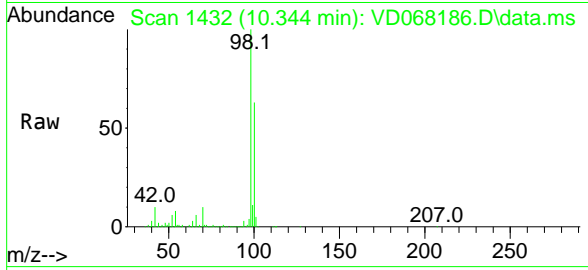
Tgt Ion: 88 Resp: 104  
 Ion Ratio Lower Upper  
 88 100  
 43 180.8 22.1 33.1#  
 58 58.7 46.7 70.1



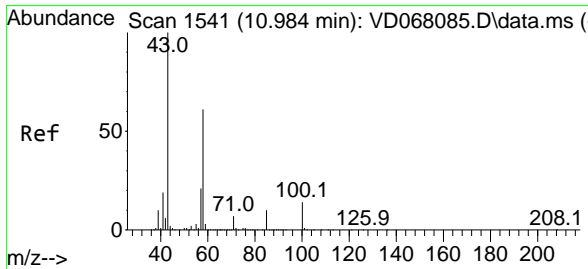
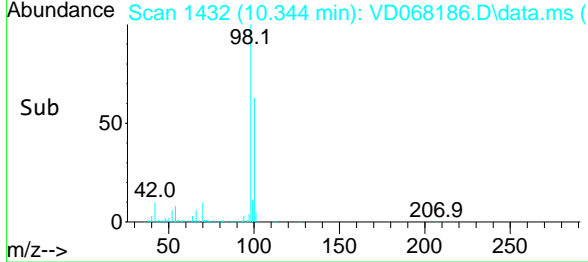
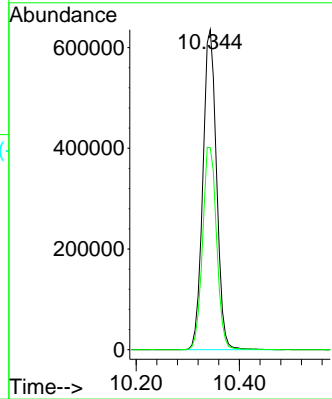


#50  
 Toluene-d8  
 Concen: 54.26 ug/l  
 RT: 10.344 min Scan# 1432  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

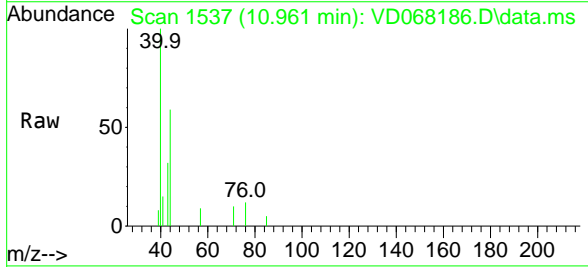
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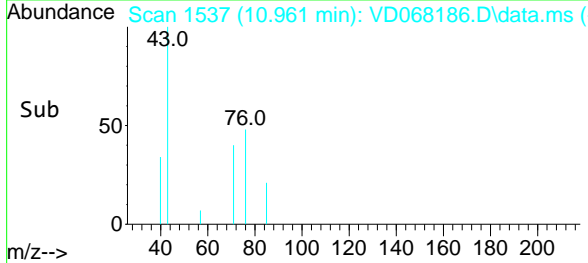
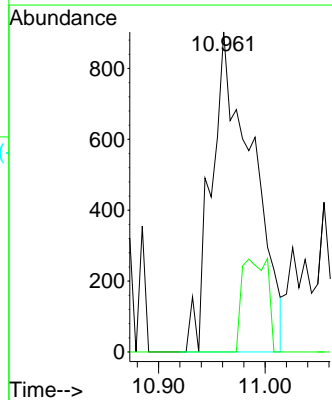
Tgt Ion: 98 Resp: 1165289  
 Ion Ratio Lower Upper  
 98 100  
 100 65.1 53.0 79.4



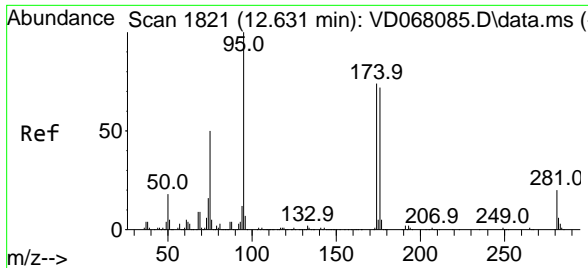
#59  
 2-Hexanone  
 Concen: 1.04 ug/l  
 RT: 10.961 min Scan# 1537  
 Delta R.T. -0.023 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



Tgt Ion: 43 Resp: 2416  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 31.0 93.0#

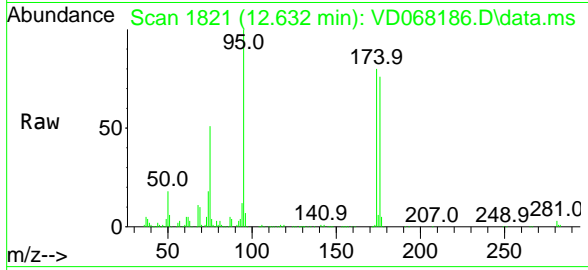






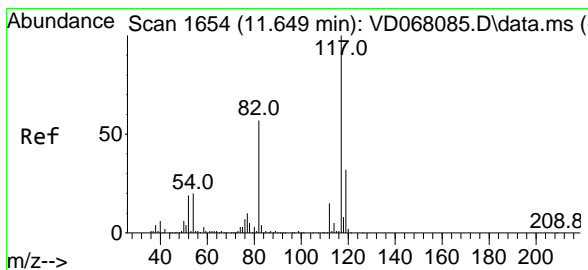
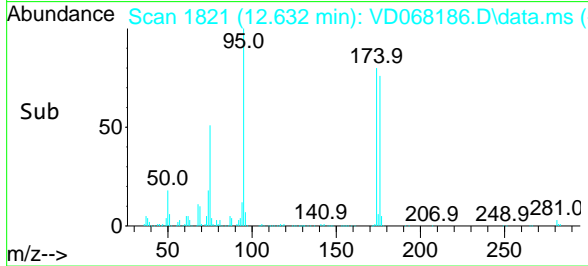
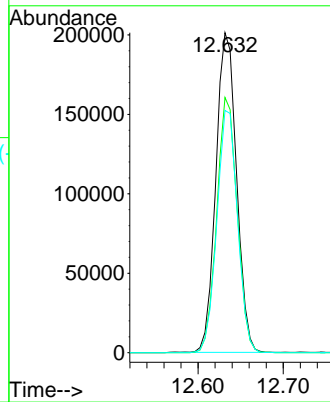
#62  
 4-Bromofluorobenzene  
 Concen: 43.82 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

Instrument :  
 MSVOA\_D  
 ClientSampled :

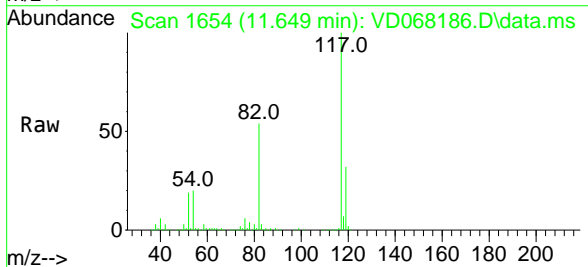


Tgt Ion: 95 Resp: 338887

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	172.4
176	75.7	0.0	168.4

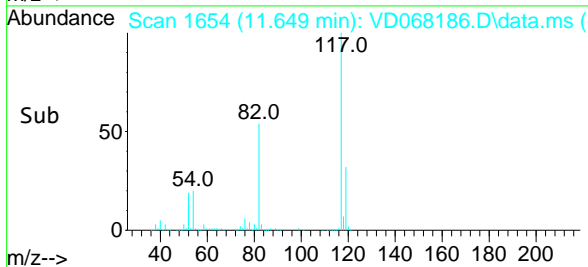
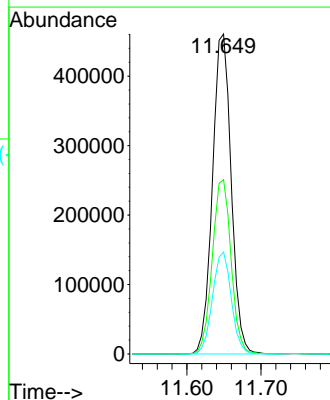


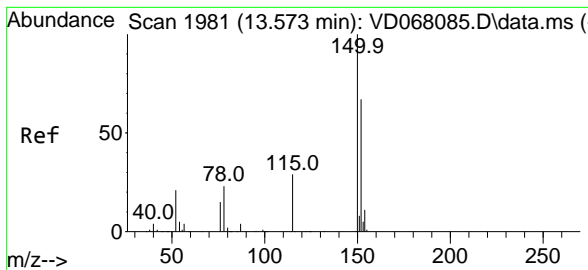
#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.649 min Scan# 1654  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



Tgt Ion: 117 Resp: 808630

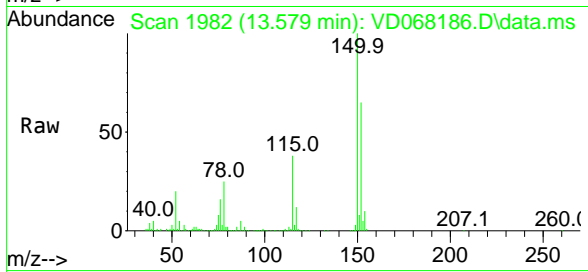
Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.4	62.0
119	31.8	26.1	39.1



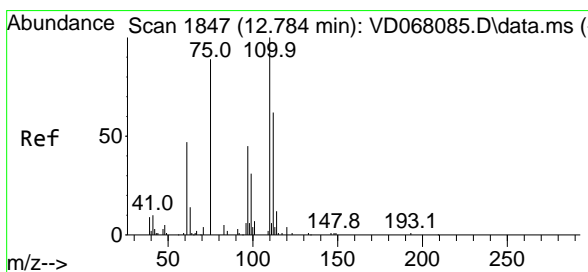
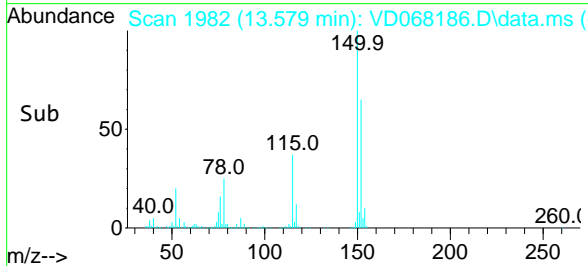
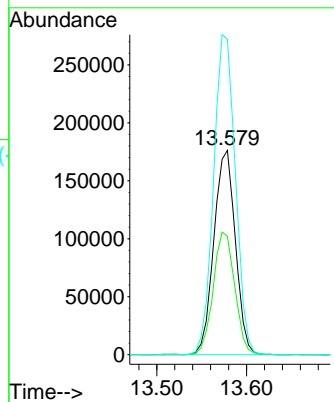


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.579 min Scan# 1982  
 Delta R.T. 0.006 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

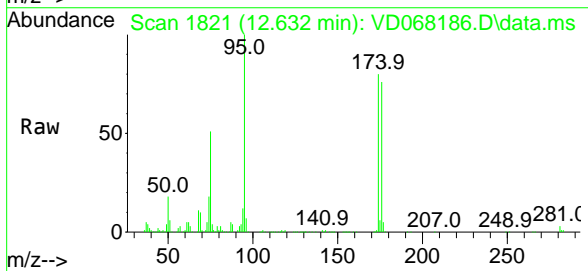
Instrument :  
 MSVOA\_D  
 ClientSampled :



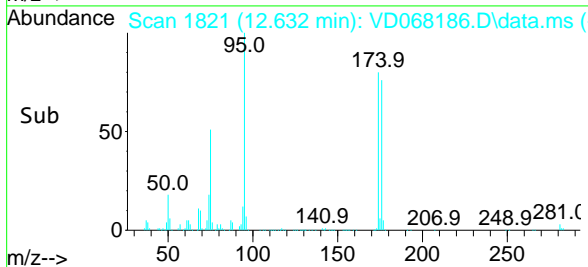
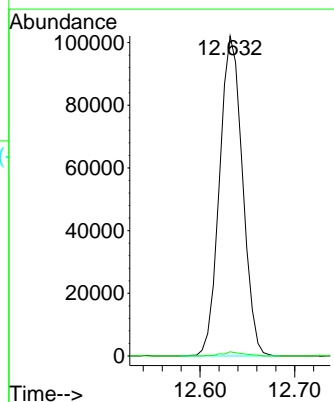
Tgt Ion:152 Resp: 293550  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 28.9 86.8  
 150 158.3 0.0 344.4

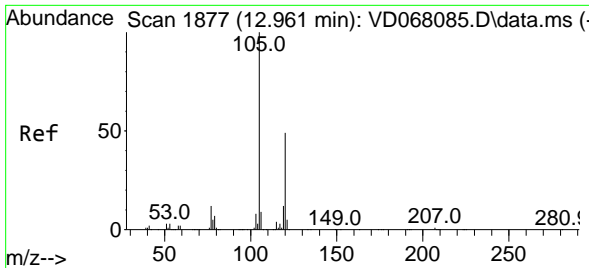


#76  
 1,2,3-Trichloropropane  
 Concen: 60.62 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. -0.153 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46



Tgt Ion: 75 Resp: 172058  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

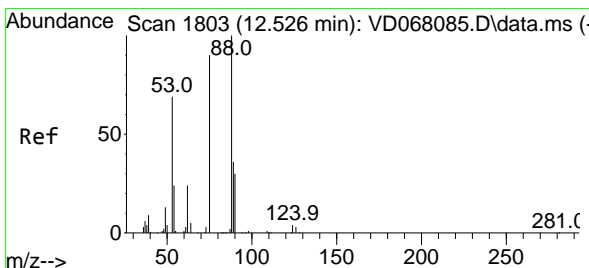
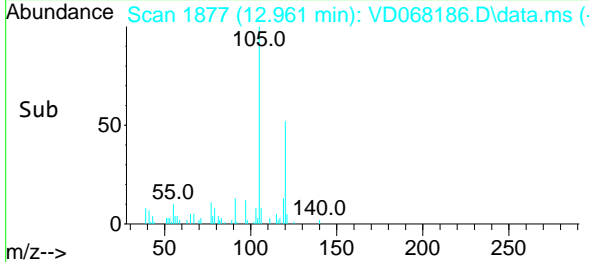
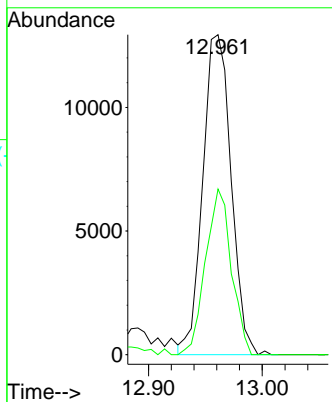
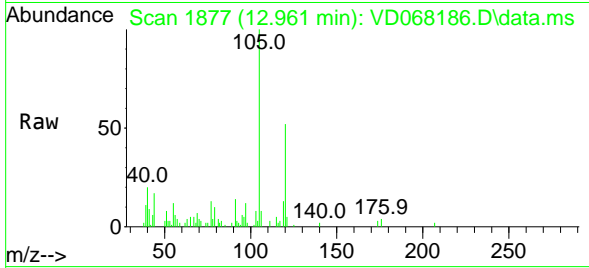




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.10 ug/l  
 RT: 12.961 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tgt Ion:105 Resp: 22383  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 24.2 72.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 122.67 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068186.D  
 Acq: 26 Jan 2021 12:46

Tgt Ion: 75 Resp: 172058  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.0 40.3 60.5#

