

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068286.D
 Acq On : 04 Feb 2021 19:35
 Operator : VA/SY
 Sample : M1291-07RE
 Misc : 5.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 05 00:06:29 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	457487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	857894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	763299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	325547	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	261675	59.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.58%
35) Dibromofluoromethane	7.920	113	255297	53.83	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.66%
50) Toluene-d8	10.344	98	1065866	56.18	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.36%
62) 4-Bromofluorobenzene	12.632	95	330480	48.37	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.74%

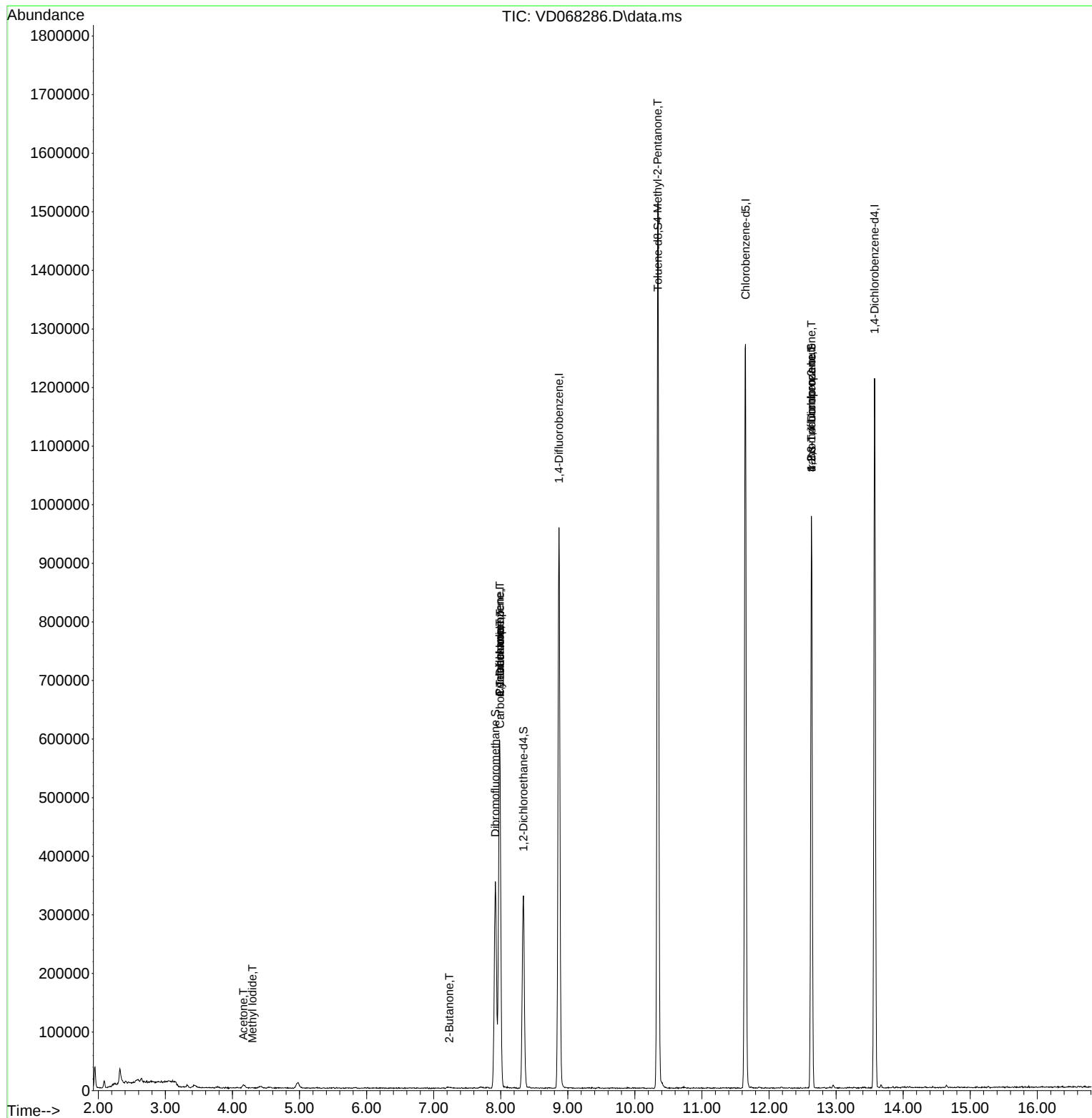
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	82	3.17	ug/l #	38
16) Acetone	4.162	43	9202	11.78	ug/l	93
20) Methylene Chloride	4.973	84	8276	Below	Cal	95
25) 2-Butanone	7.232	43	2333	1.98	ug/l	89
31) Cyclohexane	7.985	56	9960	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	38186	4.41	ug/l #	47
38) Carbon Tetrachloride	7.991	117	47096	5.82	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	4591	1.55	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	166740	52.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	166740	107.19	ug/l #	13

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

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Quant Title : SW846 8260
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Response via : Initial Calibration



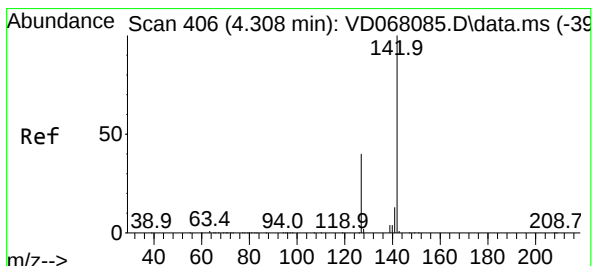
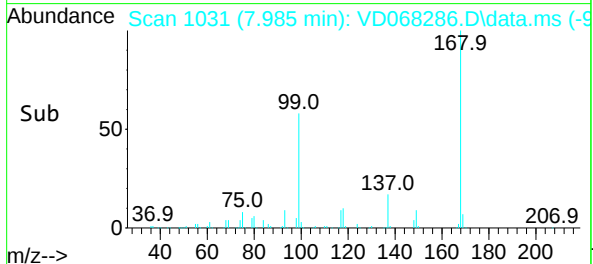
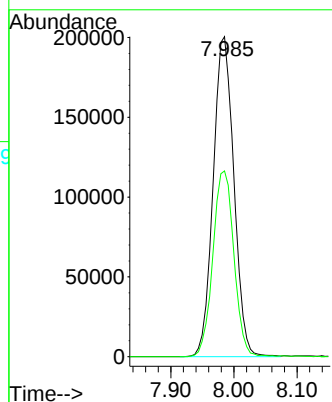
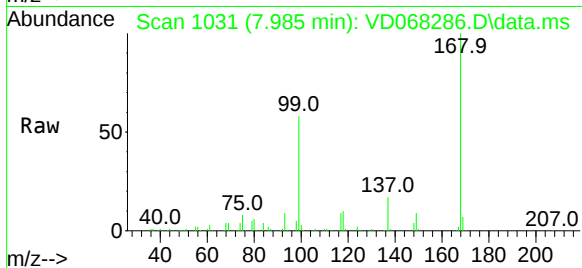


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD068286.D
 Acq: 04 Feb 2021 19:35

Instrument :
 MSVOA_D
 ClientSampled :

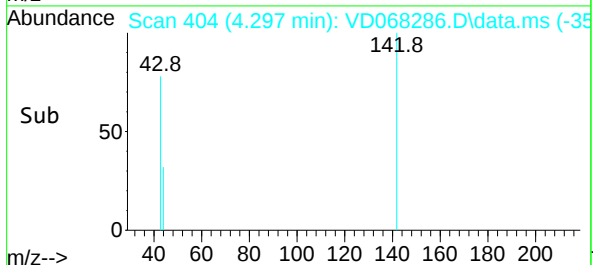
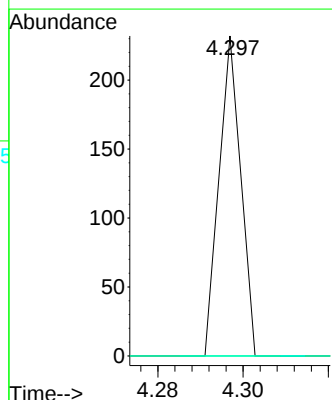
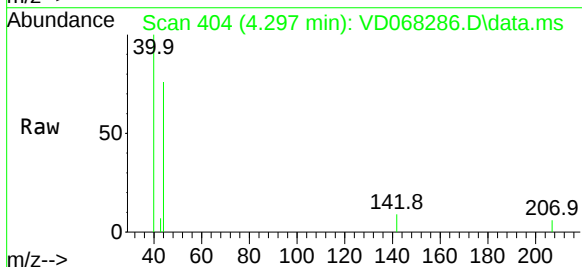
Tgt Ion:168 Resp: 457487
 Ion Ratio Lower Upper
 168 100
 99 58.1 43.5 65.3

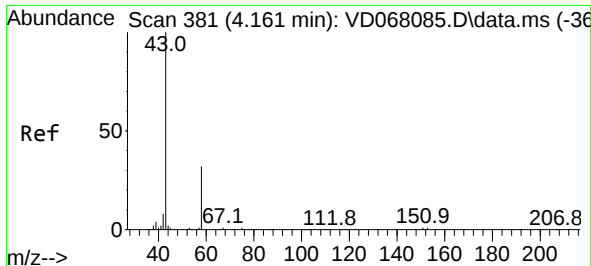


#10

Methyl Iodide
 Concen: 3.17 ug/l
 RT: 4.297 min Scan# 404
 Delta R.T. -0.011 min
 Lab File: VD068286.D
 Acq: 04 Feb 2021 19:35

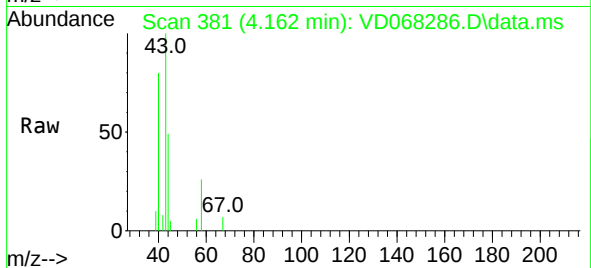
Tgt Ion:142 Resp: 82
 Ion Ratio Lower Upper
 142 100
 127 0.0 37.9 56.9#
 141 0.0 11.5 17.3#



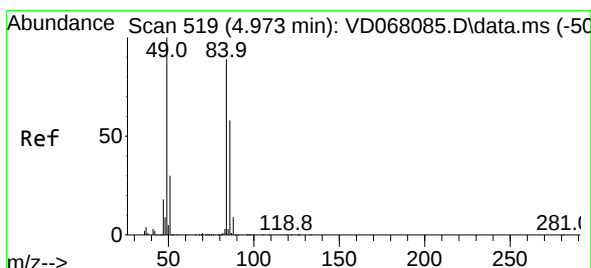
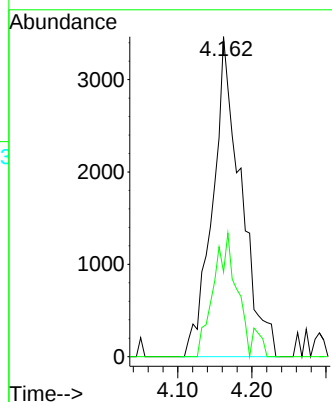
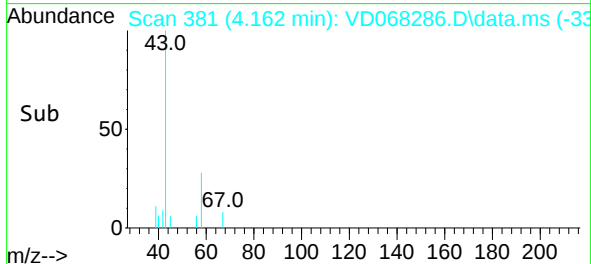


#16
Acetone
Concen: 11.78 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

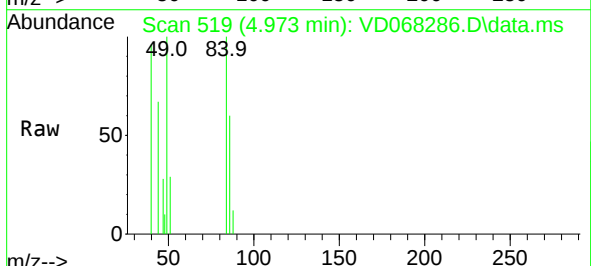
Instrument :
MSVOA_D
ClientSampled :



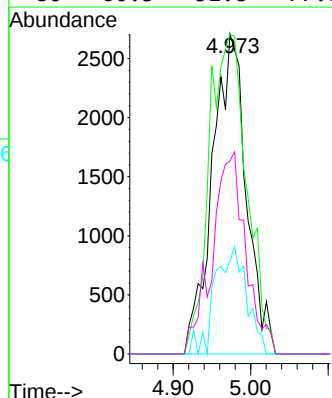
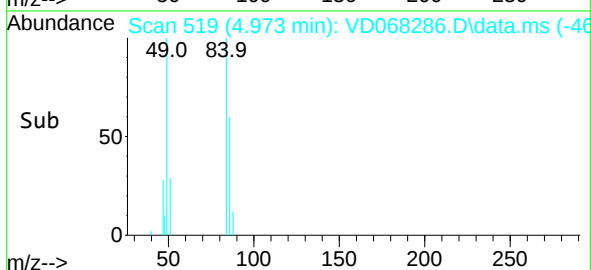
Tgt Ion: 43 Resp: 9202
Ion Ratio Lower Upper
43 100
58 26.5 24.2 36.4

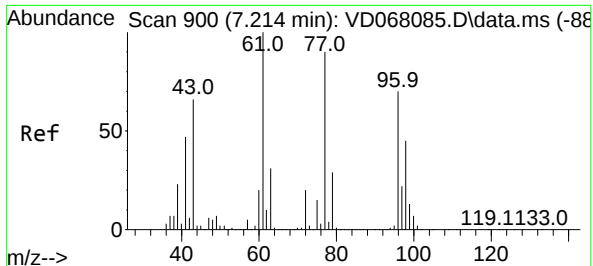


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35



Tgt Ion: 84 Resp: 8276
Ion Ratio Lower Upper
84 100
49 100.0 77.4 116.2
51 29.1 26.1 39.1
86 60.3 51.8 77.8

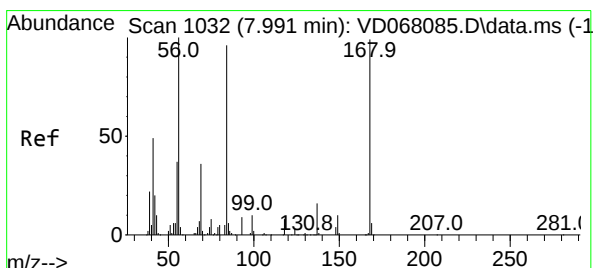
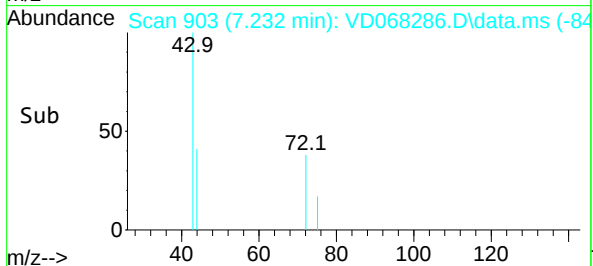
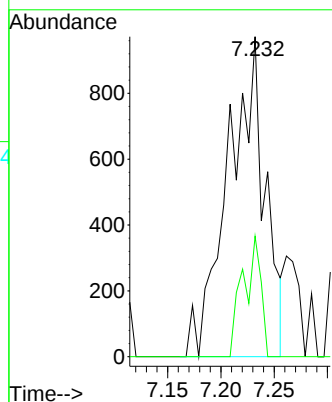
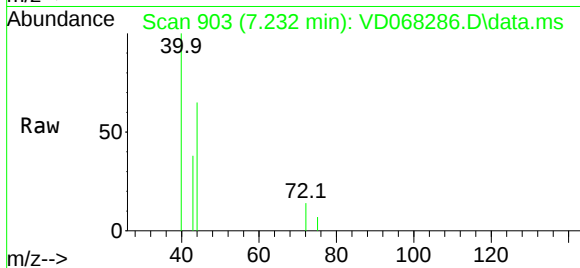




#25
2-Butanone
Concen: 1.98 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

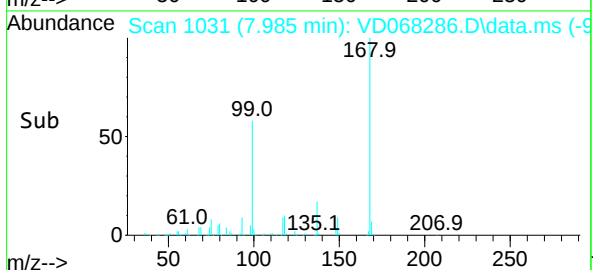
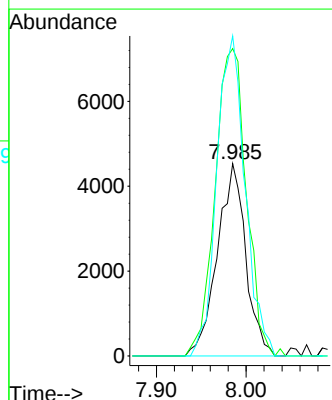
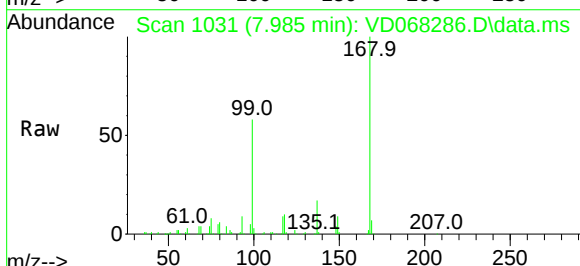
Instrument :
MSVOA_D
ClientSampled :

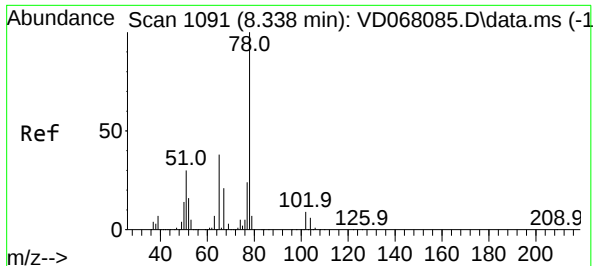
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
72 37.7 25.1 37.7



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Tgt Ion: 56 Resp: 9960
Ion Ratio Lower Upper
56 100
69 159.9 30.1 45.1#
84 166.4 82.1 123.1#

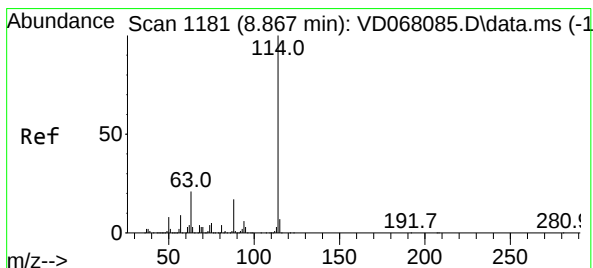
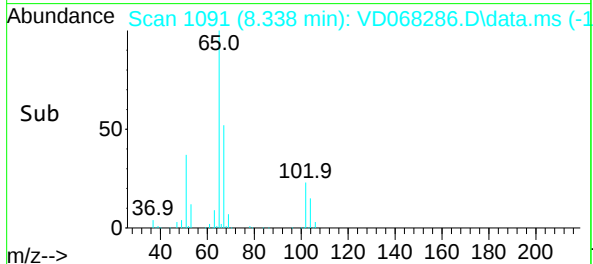
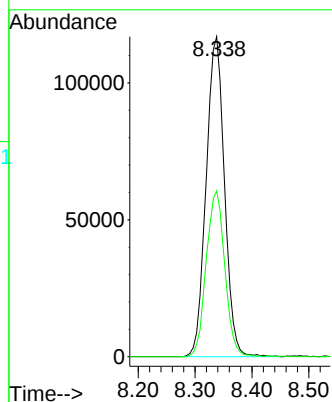
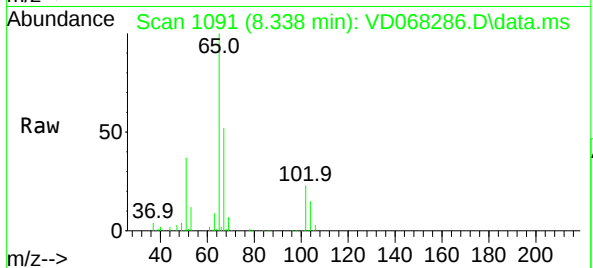




#33
1,2-Dichloroethane-d4
Concen: 59.79 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

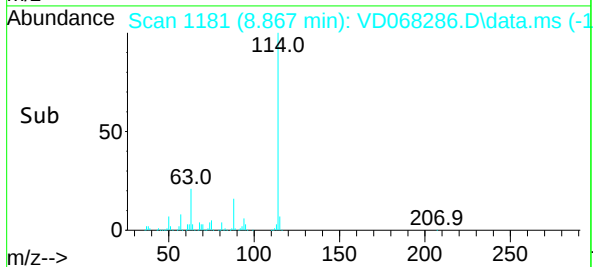
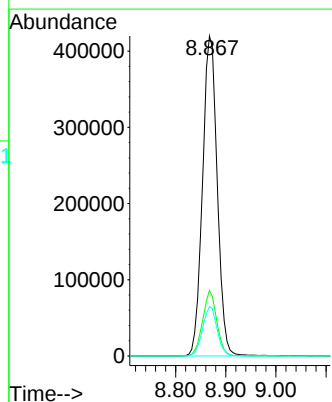
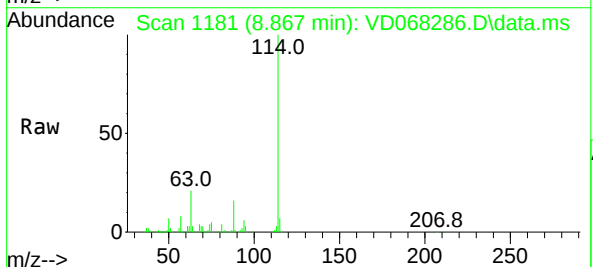
Instrument :
MSVOA_D
ClientSampled :

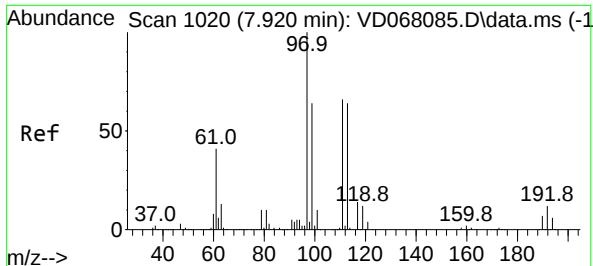
Tgt Ion: 65 Resp: 261675
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Tgt Ion: 114 Resp: 857894
Ion Ratio Lower Upper
114 100
63 20.5 0.0 34.8
88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.83 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068286.D

Acq: 04 Feb 2021 19:35

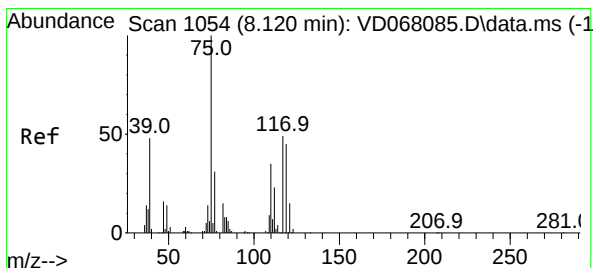
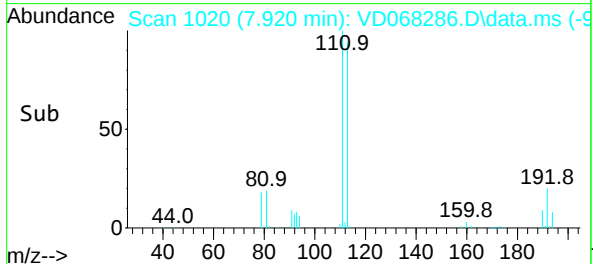
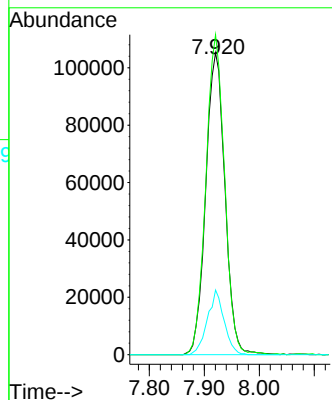
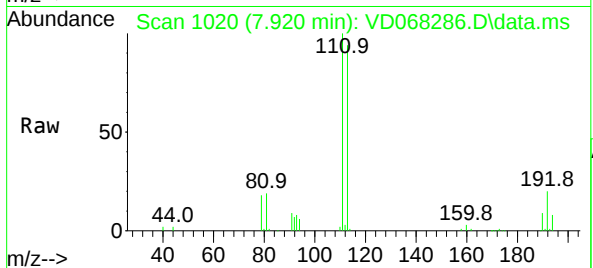
Tgt Ion:113 Resp: 255297

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.6 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.41 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.135 min

Lab File: VD068286.D

Acq: 04 Feb 2021 19:35

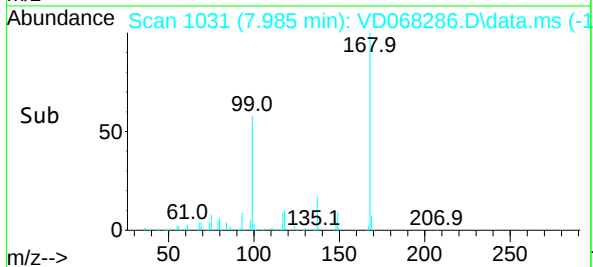
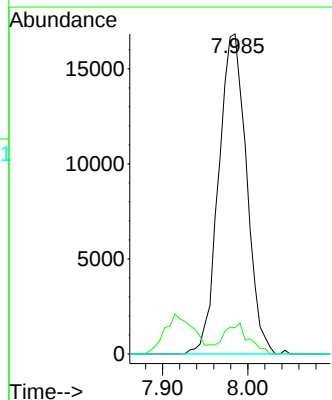
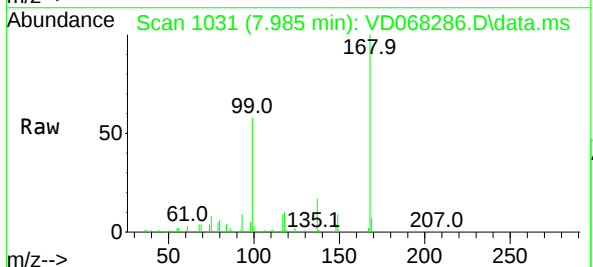
Tgt Ion: 75 Resp: 38186

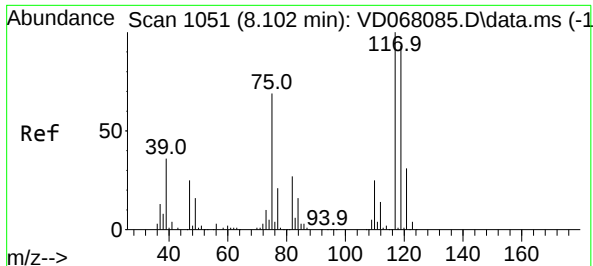
Ion Ratio Lower Upper

75 100

110 8.3 19.4 58.2#

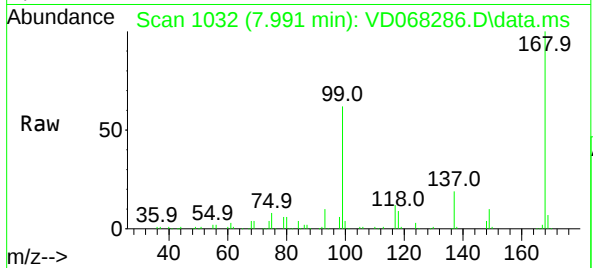
77 0.0 25.3 37.9#



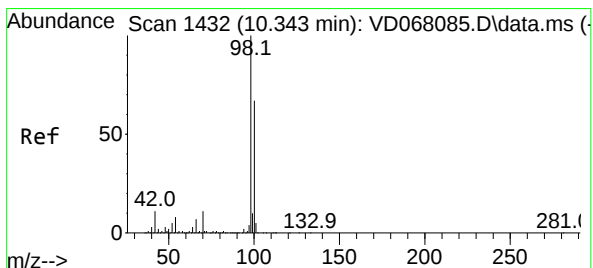
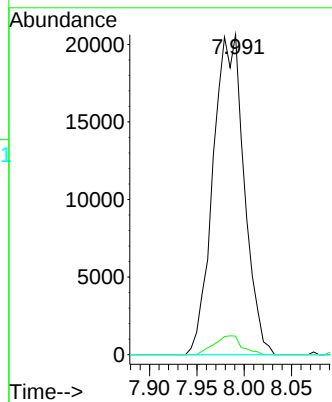
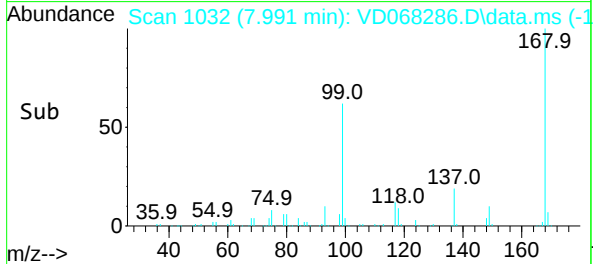


#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.111 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

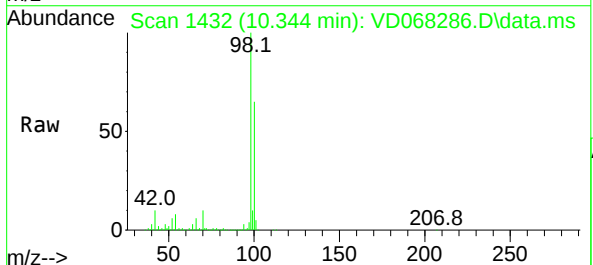
Instrument :
MSVOA_D
ClientSampled :



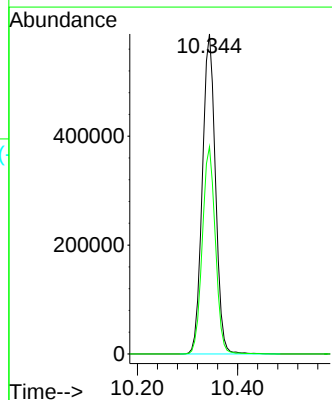
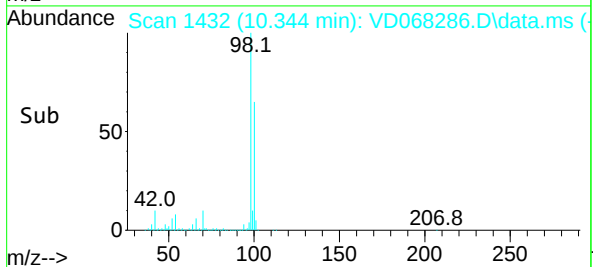
Tgt Ion:117 Resp: 47096
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 24.7 37.1#

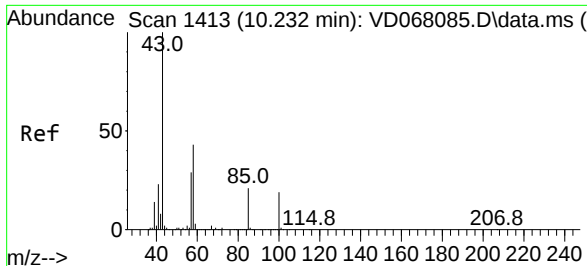


#50
Toluene-d8
Concen: 56.18 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35



Tgt Ion: 98 Resp: 1065866
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4

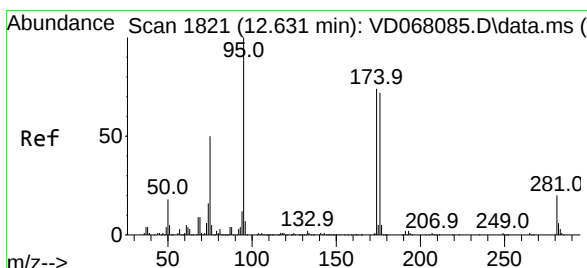
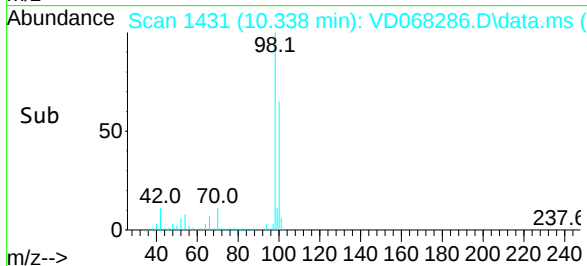
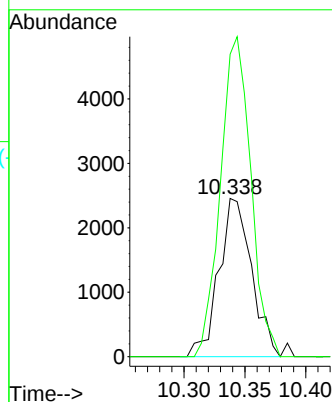
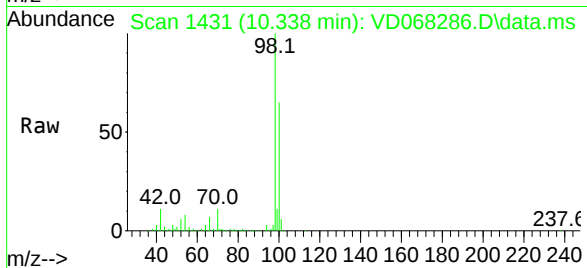




#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

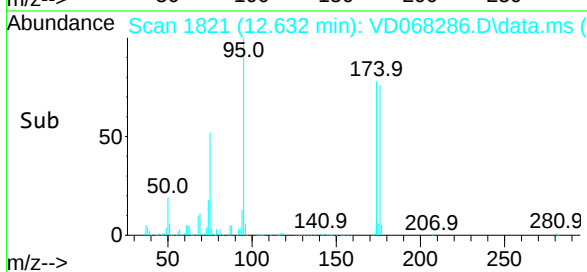
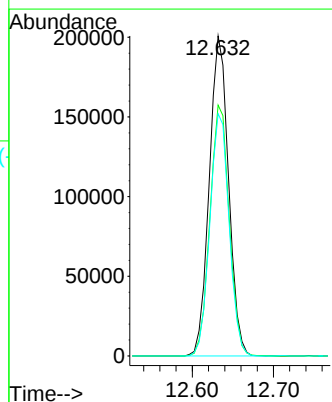
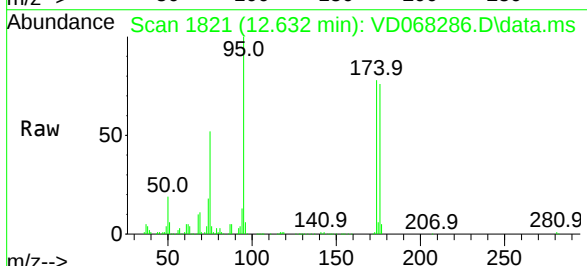
Instrument :
MSVOA_D
ClientSampled :

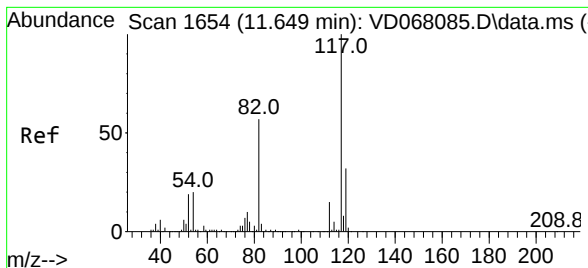
Tgt Ion: 43 Resp: 4591
Ion Ratio Lower Upper
43 100
58 188.4 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 48.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Tgt Ion: 95 Resp: 330480
Ion Ratio Lower Upper
95 100
174 78.6 0.0 172.4
176 75.5 0.0 168.4

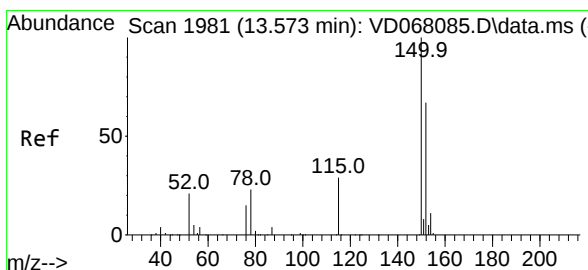
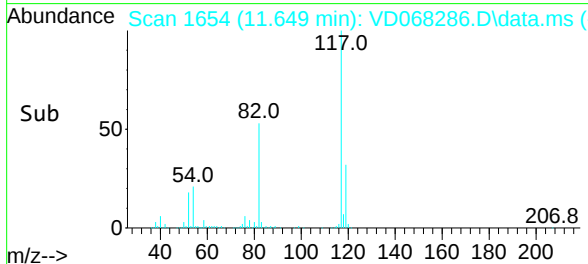
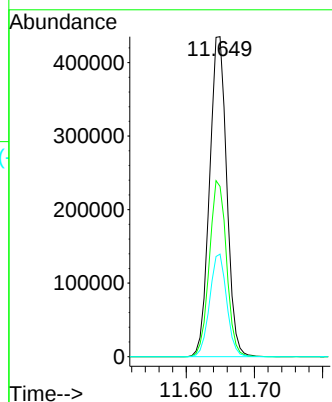
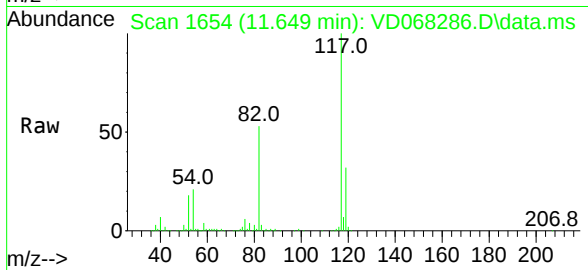




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

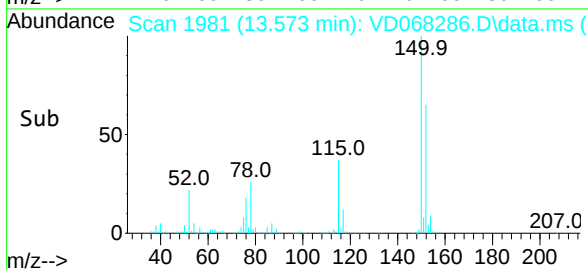
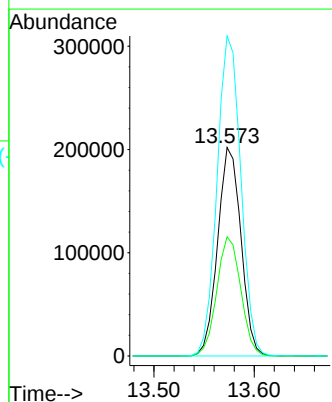
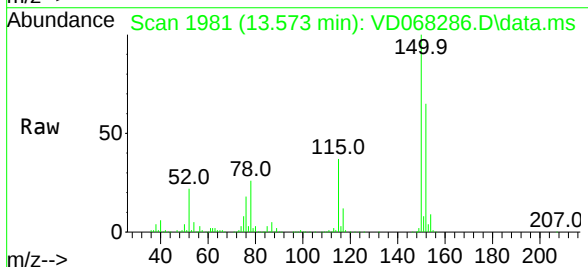
Instrument :
MSVOA_D
ClientSampleId :

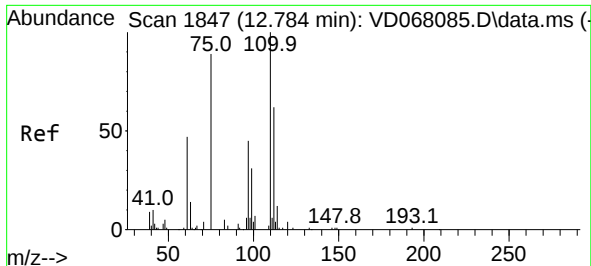
Tgt Ion:117 Resp: 763299
Ion Ratio Lower Upper
117 100
82 53.2 41.4 62.0
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Tgt Ion:152 Resp: 325547
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.8
150 156.6 0.0 344.4

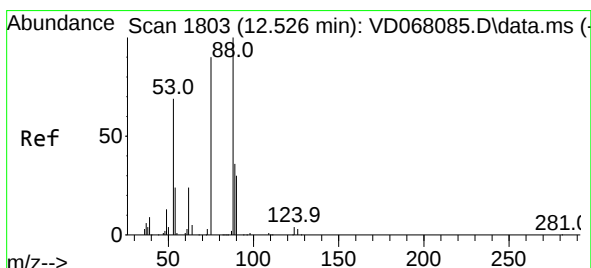
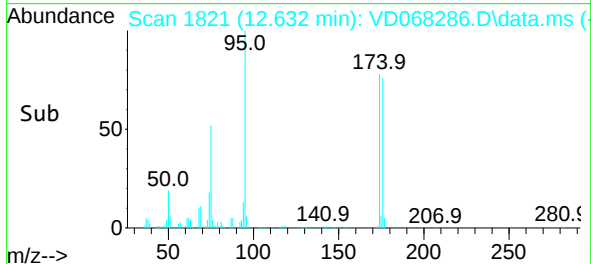
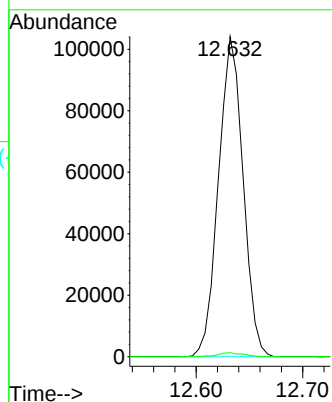
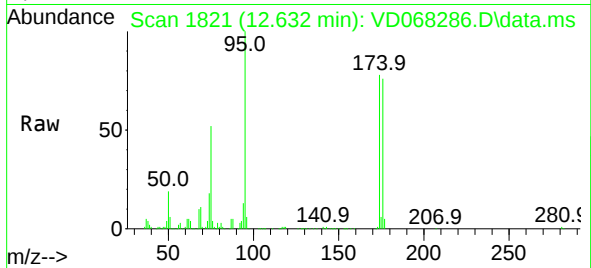




#76
1,2,3-Trichloropropane
Concen: 52.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 166740
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.19 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068286.D
Acq: 04 Feb 2021 19:35

Tgt Ion: 75 Resp: 166740
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

