

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012621\
 Data File : VD068188.D
 Acq On : 26 Jan 2021 16:06
 Operator : VA/SY
 Sample : M1237-01
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 00:12:00 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	7.979	168	578202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	994505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	885608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	381245	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	301851	54.57	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.14%
35) Dibromofluoromethane	7.914	113	293871	53.45	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.90%
50) Toluene-d8	10.344	98	1224098	55.66	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.32%
62) 4-Bromofluorobenzene	12.632	95	393293	49.66	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.32%

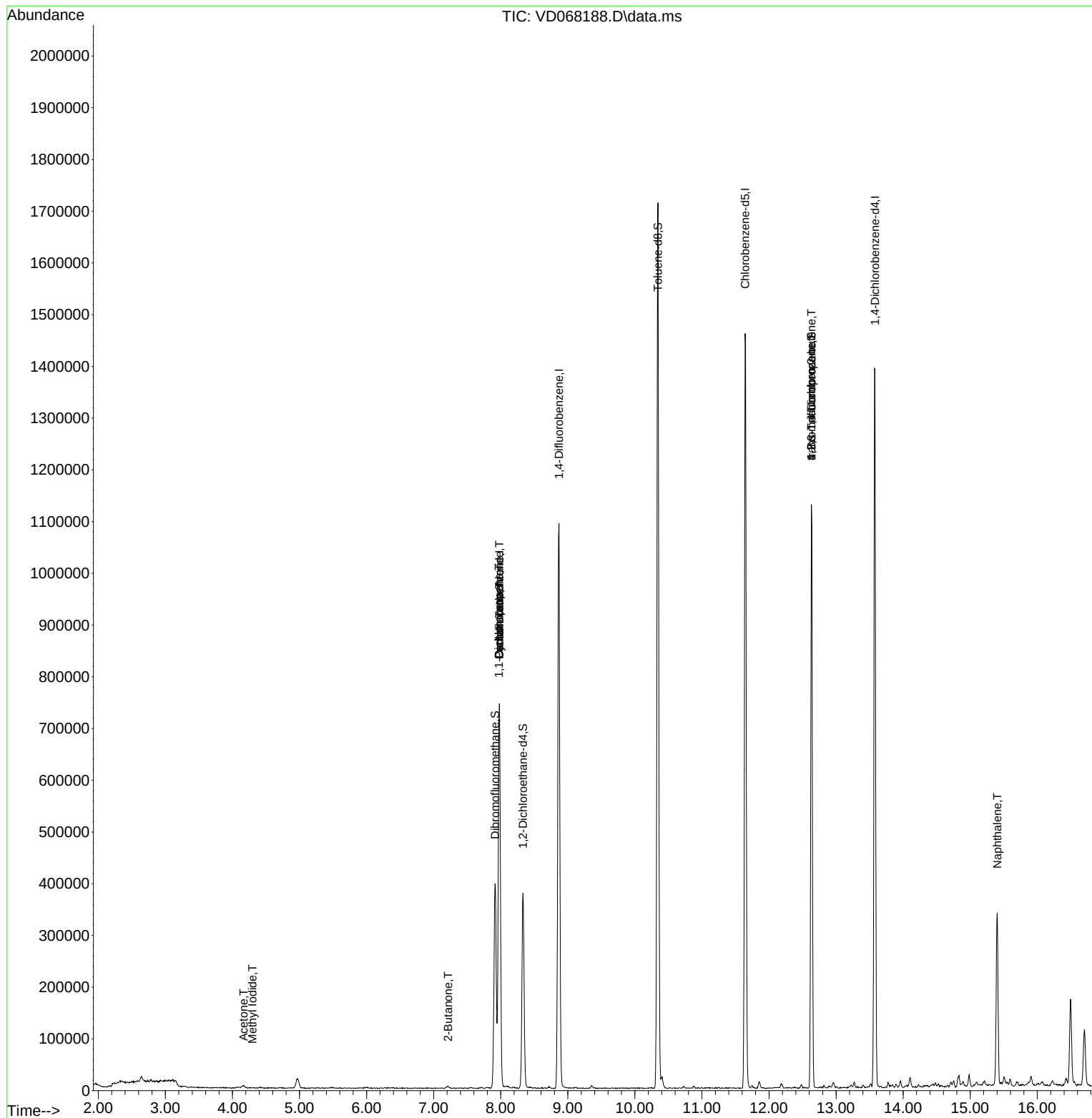
Target Compounds					Qvalue
10) Methyl Iodide	4.297	142	410	3.21 ug/l #	55
16) Acetone	4.168	43	8361	8.47 ug/l	89
20) Methylene Chloride	4.962	84	14796	Below Cal	93
25) 2-Butanone	7.214	43	1607	1.08 ug/l	92
31) Cyclohexane	7.979	56	13257	1.11 ug/l #	1
36) 1,1-Dichloropropene	7.973	75	45535	4.54 ug/l #	47
38) Carbon Tetrachloride	7.979	117	56831	6.05 ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	198935	53.97 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	198935	109.20 ug/l #	13
95) Naphthalene	15.402	128	308331	21.42 ug/l	100

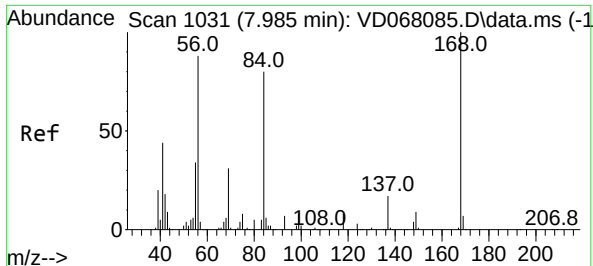
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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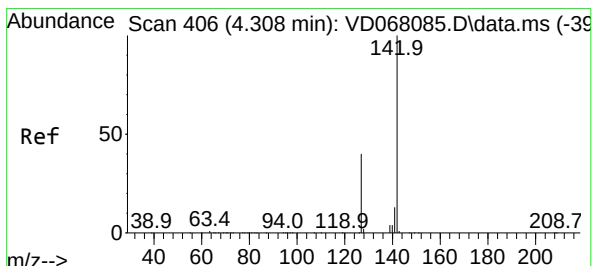
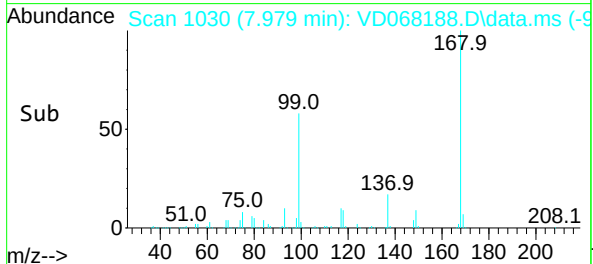
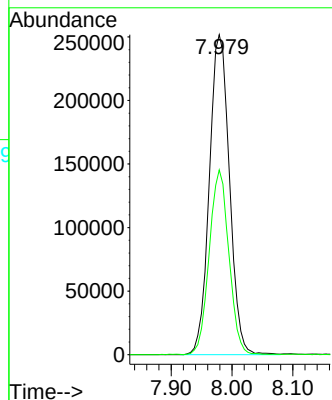
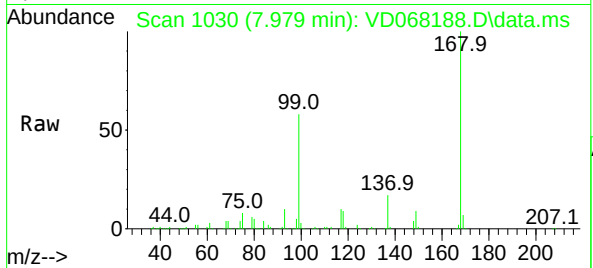




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

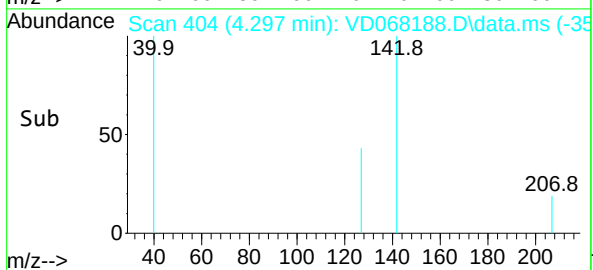
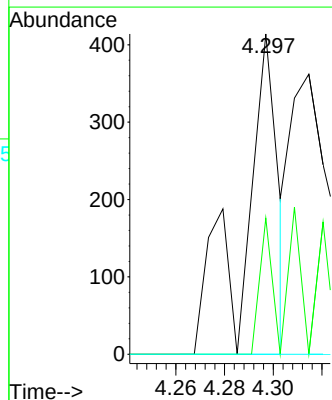
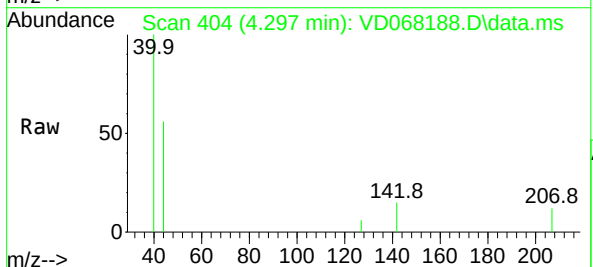
Instrument :
MSVOA_D
ClientSampled :

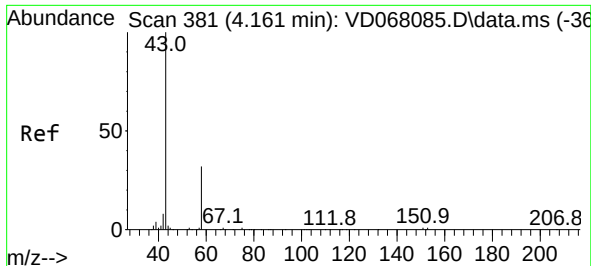
Tgt Ion:168 Resp: 578202
Ion Ratio Lower Upper
168 100
99 57.7 43.5 65.3



#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion:142 Resp: 410
Ion Ratio Lower Upper
142 100
127 15.1 37.9 56.9#
141 0.0 11.5 17.3#

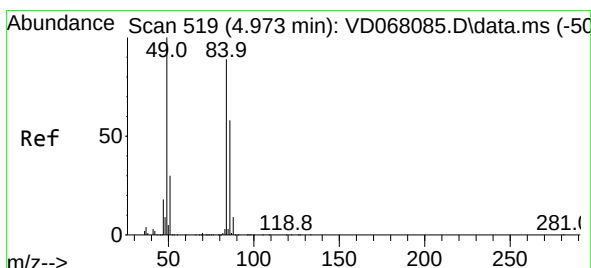
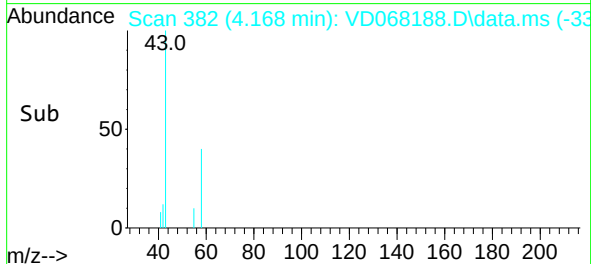
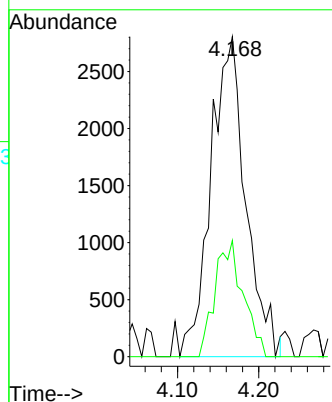
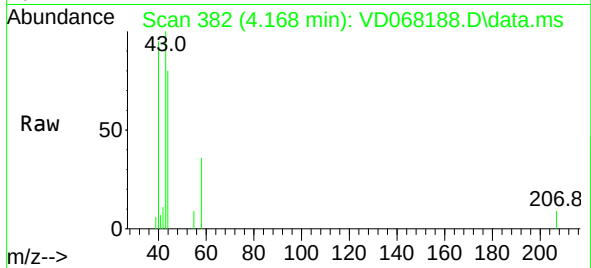




#16
Acetone
Concen: 8.47 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

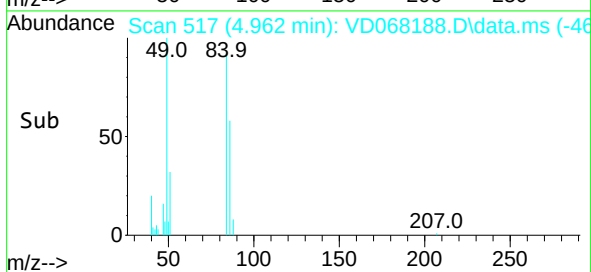
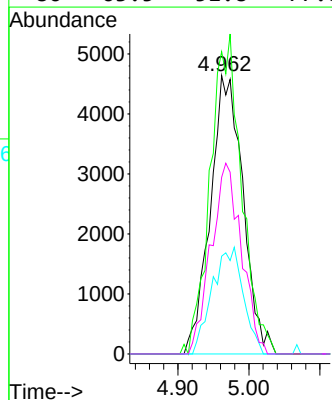
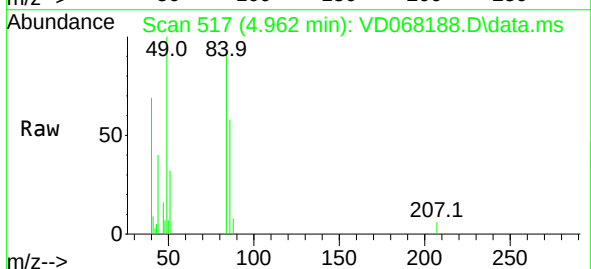
Instrument :
MSVOA_D
ClientSampled :

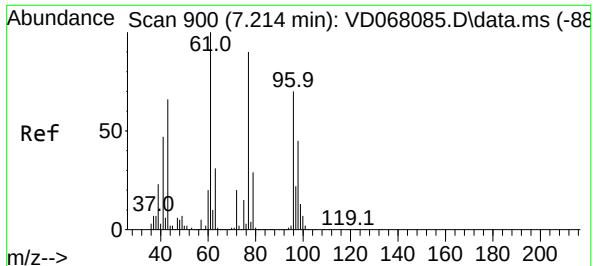
Tgt Ion: 43 Resp: 8361
Ion Ratio Lower Upper
43 100
58 36.3 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion: 84 Resp: 14796
Ion Ratio Lower Upper
84 100
49 108.6 77.4 116.2
51 35.1 26.1 39.1
86 63.5 51.8 77.8

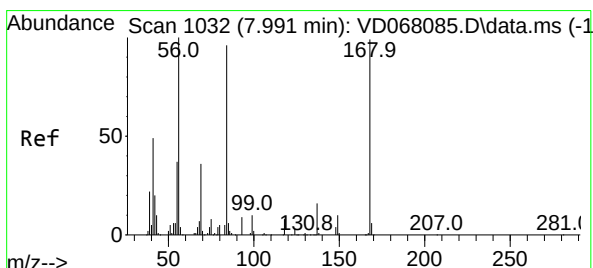
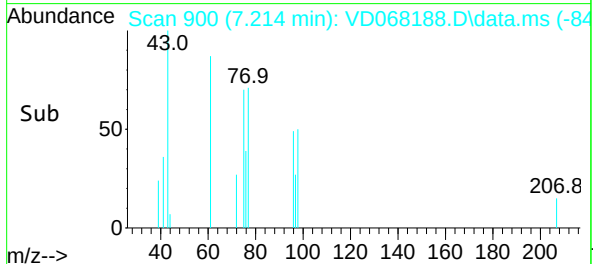
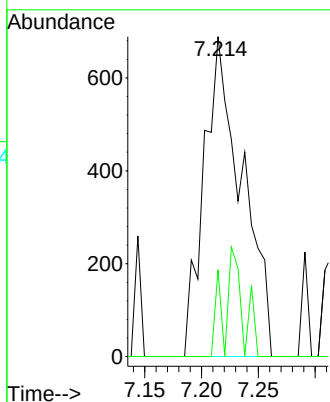
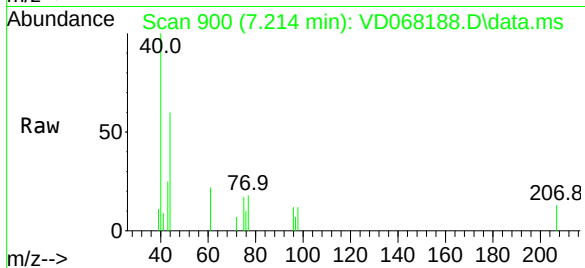




#25
2-Butanone
Concen: 1.08 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

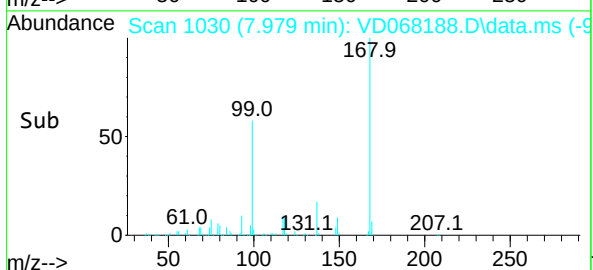
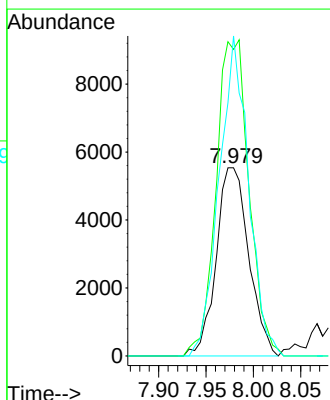
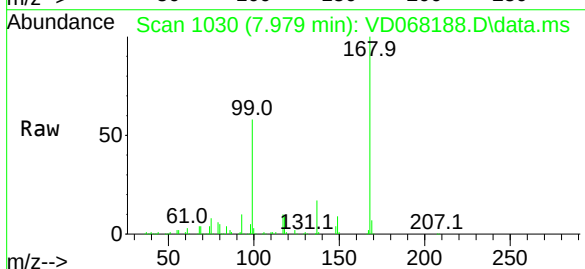
Instrument :
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ClientSampleId :

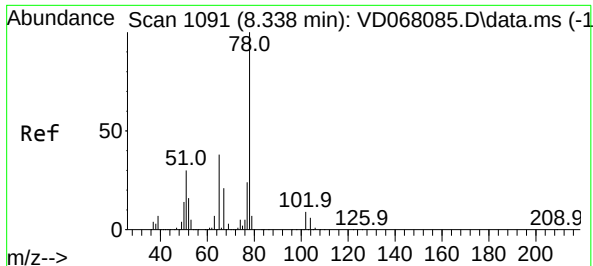
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
72 27.1 25.1 37.7



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion: 56 Resp: 13257
Ion Ratio Lower Upper
56 100
69 163.0 30.1 45.1#
84 170.1 82.1 123.1#

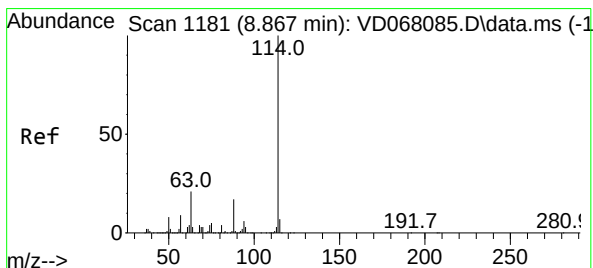
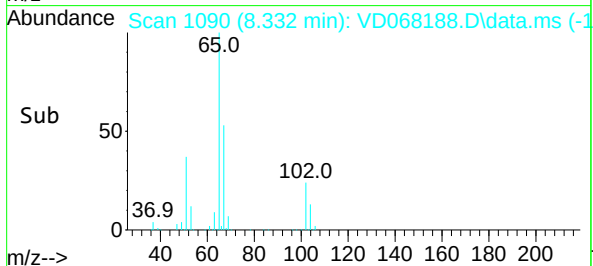
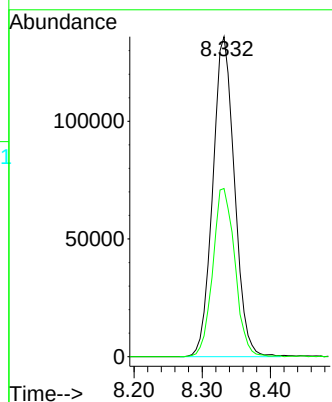
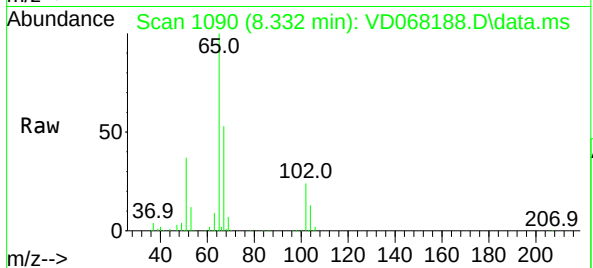




#33
1,2-Dichloroethane-d4
Concen: 54.57 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

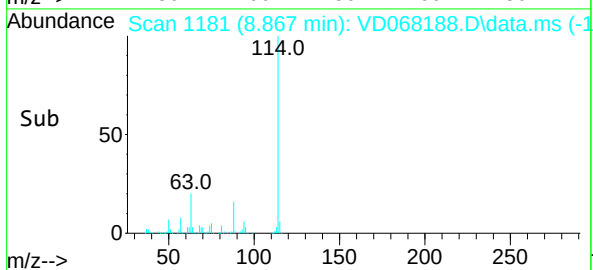
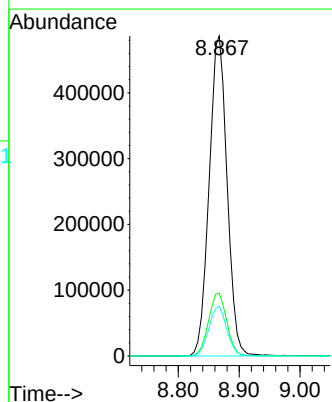
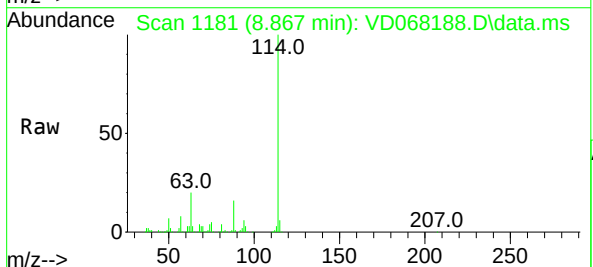
Instrument :
MSVOA_D
ClientSampleId :

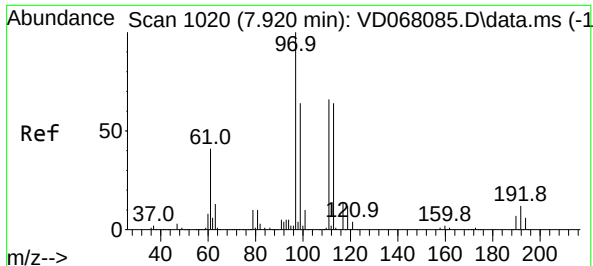
Tgt Ion: 65 Resp: 301851
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion: 114 Resp: 994505
Ion Ratio Lower Upper
114 100
63 19.6 0.0 34.8
88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.45 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068188.D

Acq: 26 Jan 2021 16:06

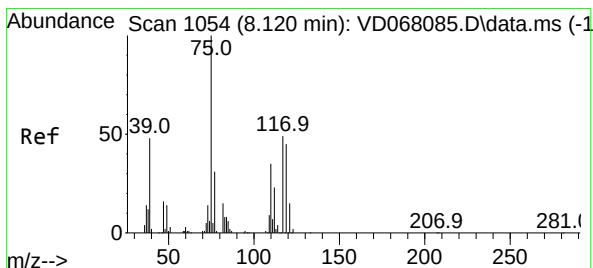
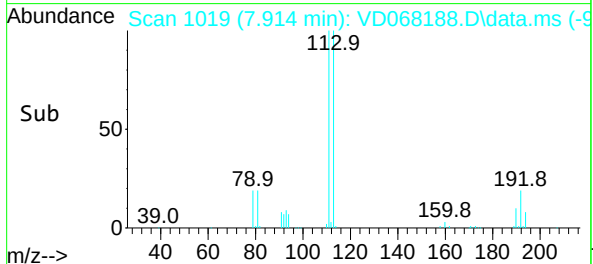
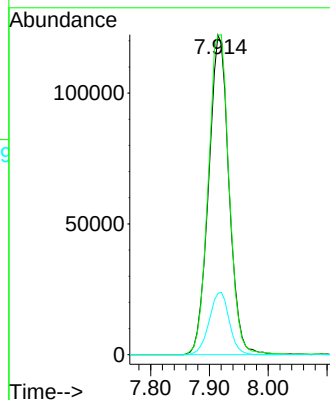
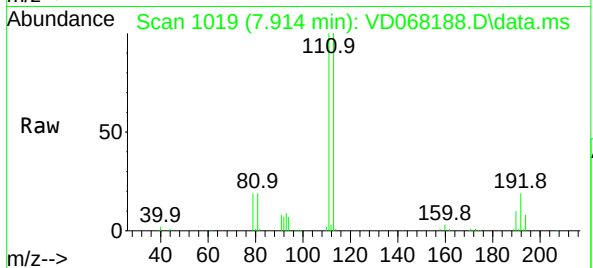
Tgt Ion:113 Resp: 293871

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.2 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.54 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.147 min

Lab File: VD068188.D

Acq: 26 Jan 2021 16:06

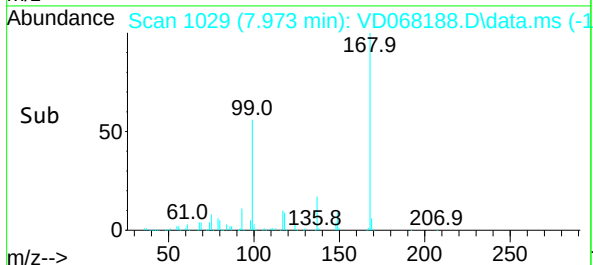
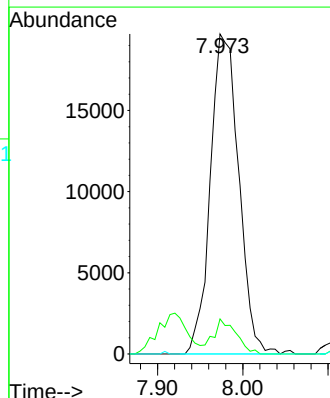
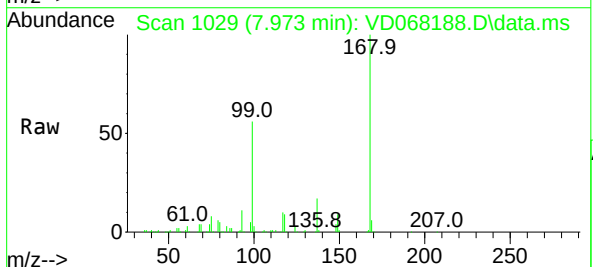
Tgt Ion: 75 Resp: 45535

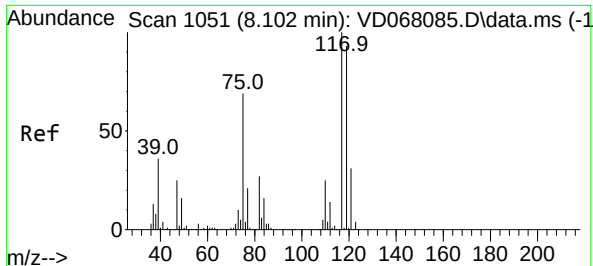
Ion Ratio Lower Upper

75 100

110 8.9 19.4 58.2#

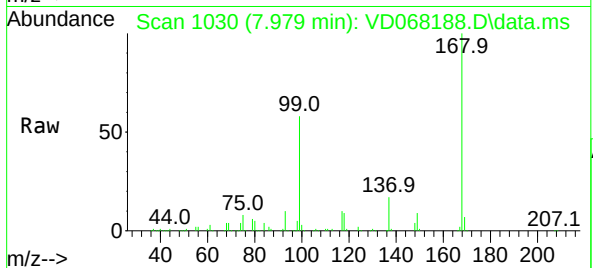
77 0.0 25.3 37.9#



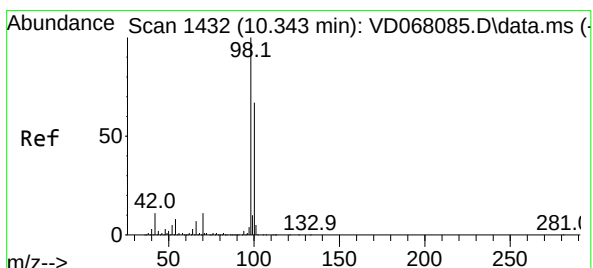
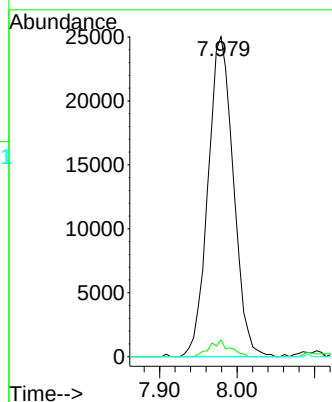
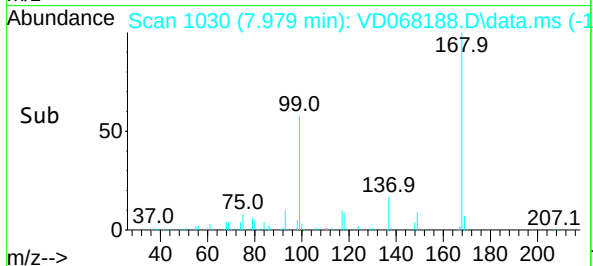


#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

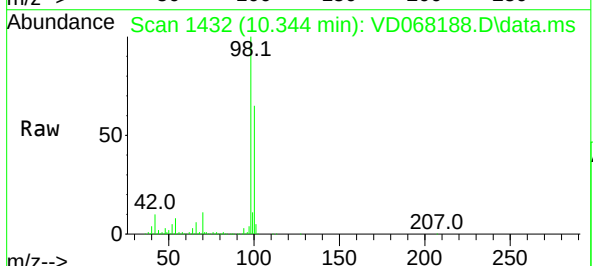
Instrument :
MSVOA_D
ClientSampled :



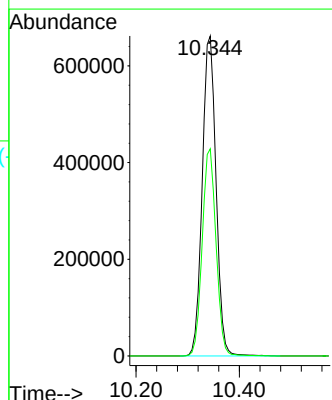
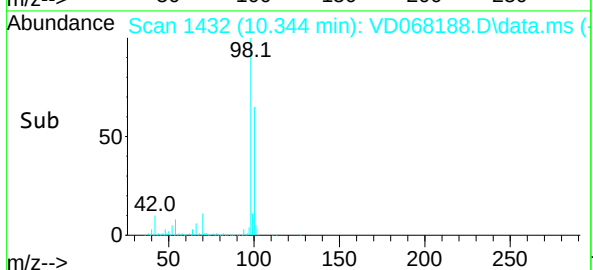
Tgt Ion:117 Resp: 56831
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.7 37.1#

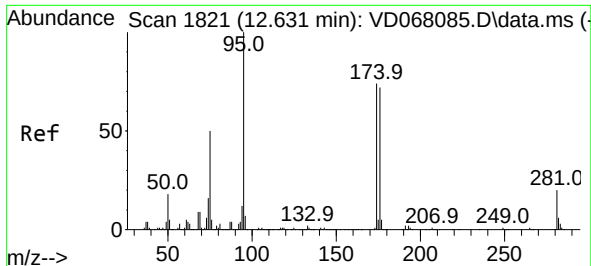


#50
Toluene-d8
Concen: 55.66 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06



Tgt Ion: 98 Resp: 1224098
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

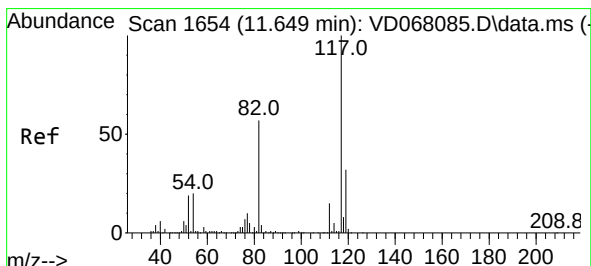
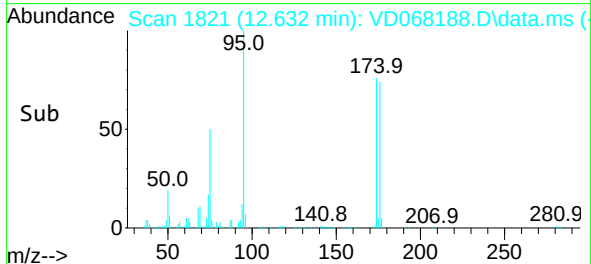
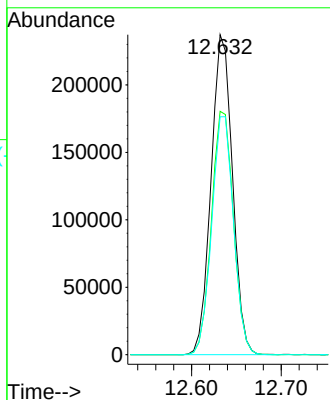
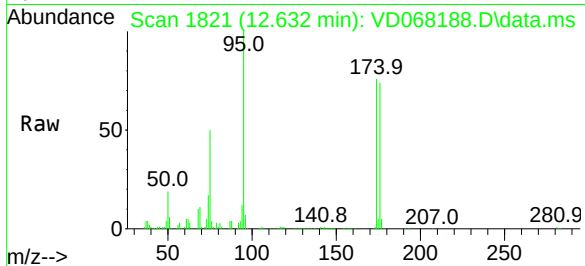




#62
4-Bromofluorobenzene
Concen: 49.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

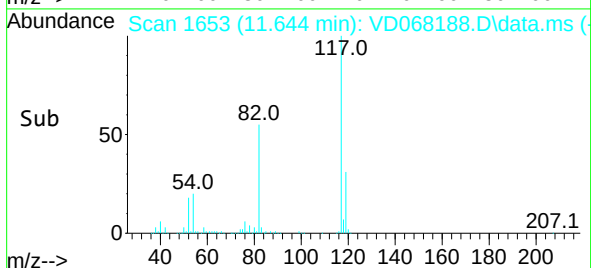
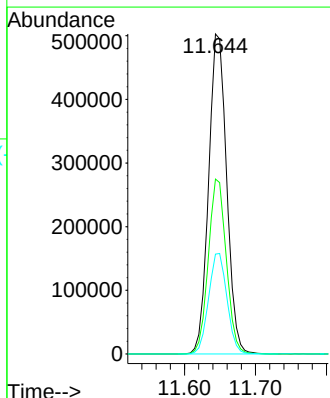
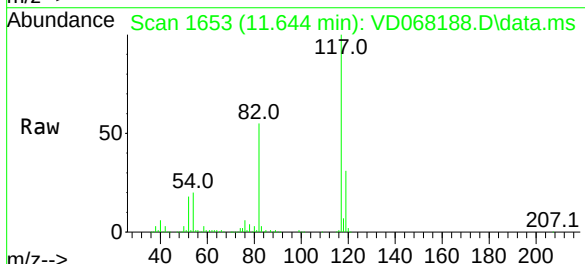
Instrument :
MSVOA_D
ClientSampled :

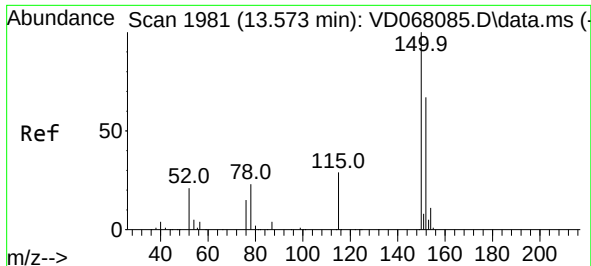
Tgt Ion: 95 Resp: 393293
Ion Ratio Lower Upper
95 100
174 78.1 0.0 172.4
176 76.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion: 117 Resp: 885608
Ion Ratio Lower Upper
117 100
82 54.6 41.4 62.0
119 31.2 26.1 39.1

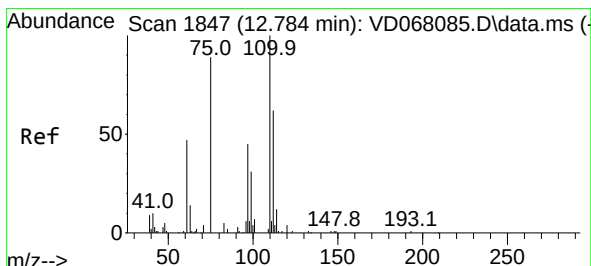
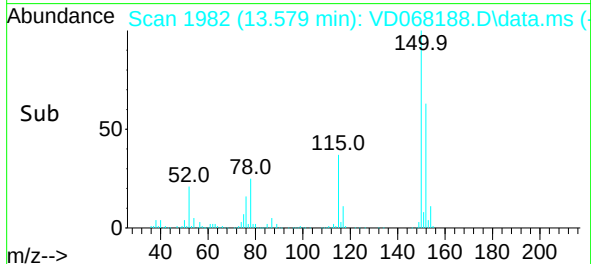
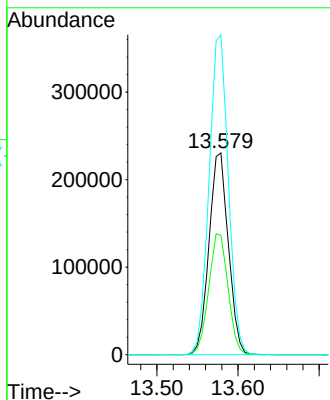
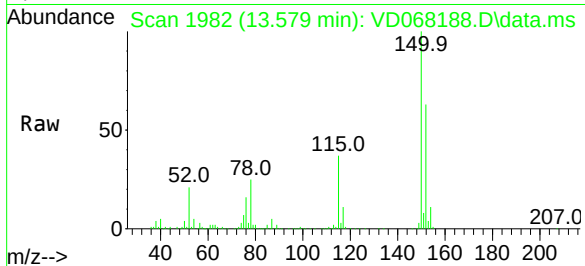




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

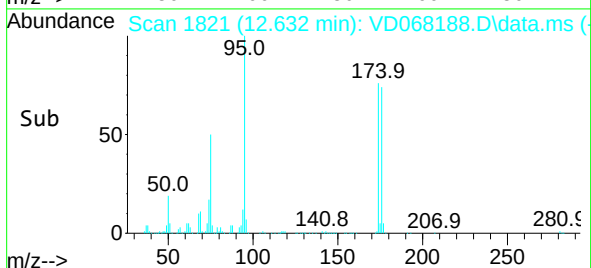
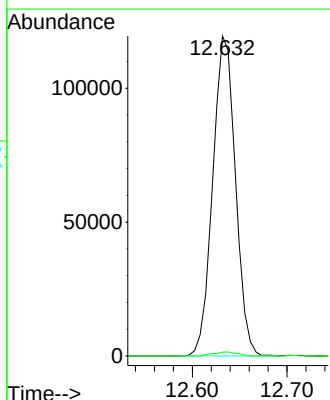
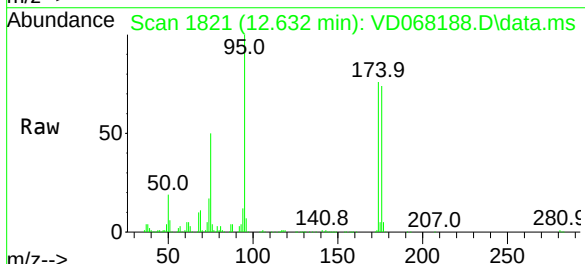
Instrument :
MSVOA_D
ClientSampled :

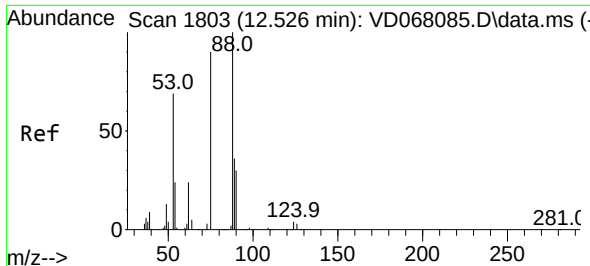
Tgt Ion:152 Resp: 381245
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.8
150 158.0 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 53.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

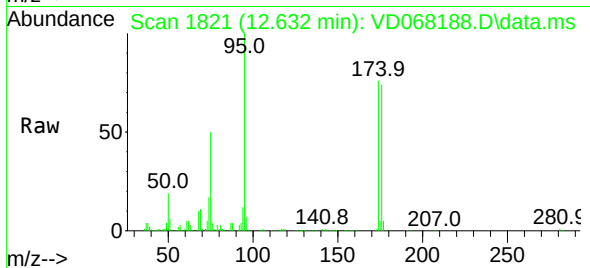
Tgt Ion: 75 Resp: 198935
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



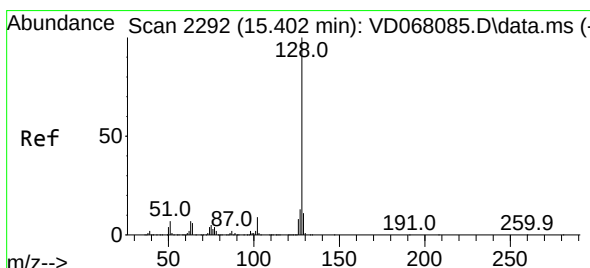
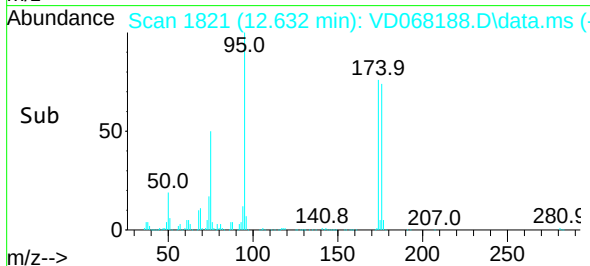
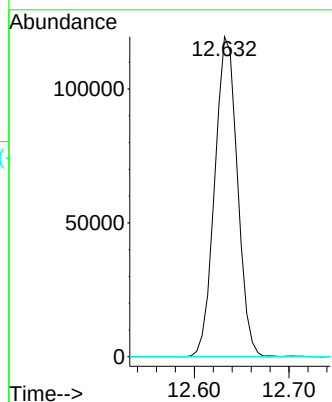


#81
trans-1,4-Dichloro-2-butene
Concen: 109.20 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 198935
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#



#95
Naphthalene
Concen: 21.42 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068188.D
Acq: 26 Jan 2021 16:06

Tgt Ion: 128 Resp: 308331
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.8 13.2

