

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068284.D
 Acq On : 04 Feb 2021 18:41
 Operator : VA/SY
 Sample : M1291-02RE
 Misc : 10.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-007-0205

Quant Time: Feb 05 00:05:57 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)

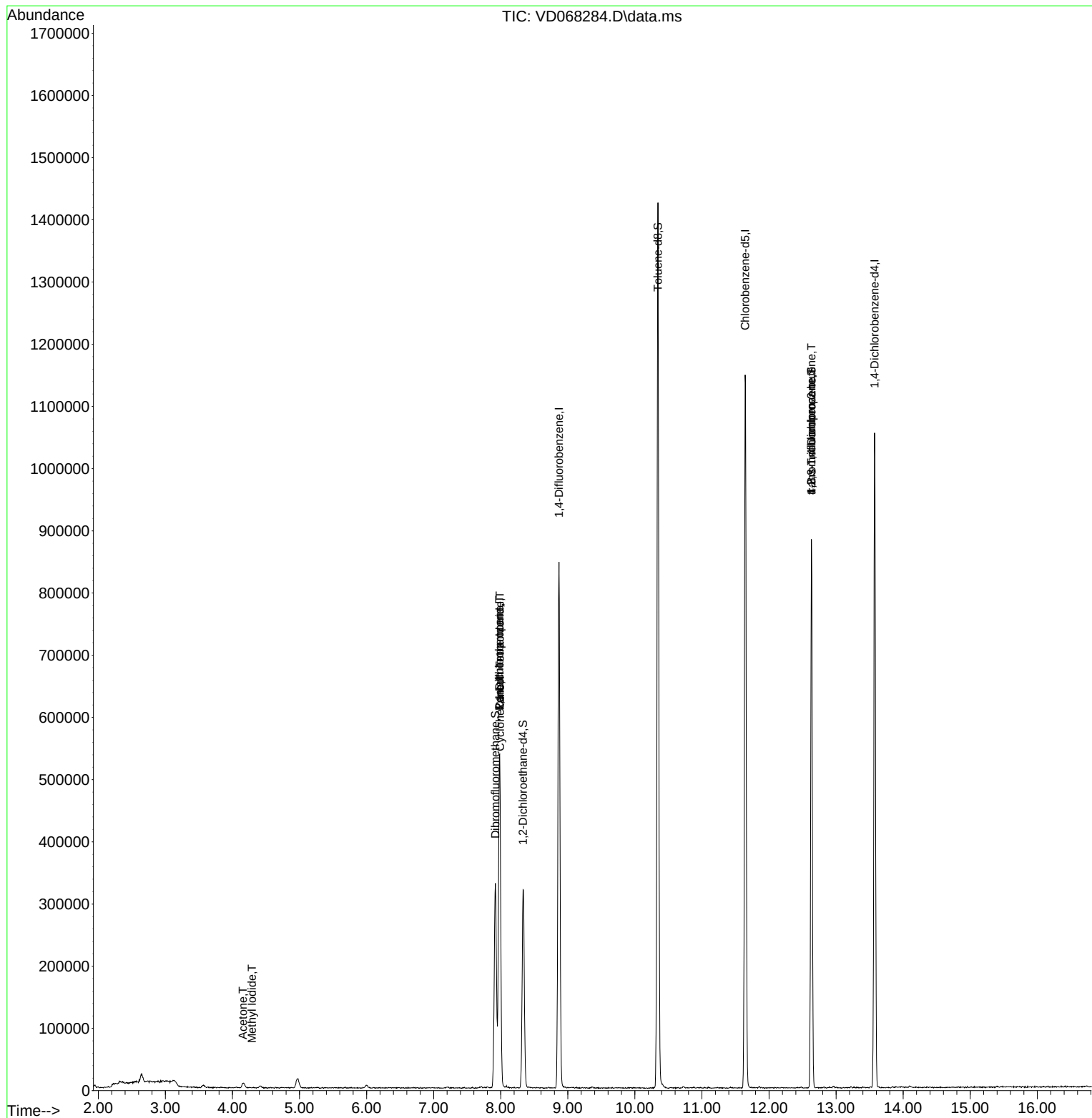
Internal Standards						
1) Pentafluorobenzene	7.979	168	409913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	776567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	700331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	287060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	258316	65.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.76%
35) Dibromofluoromethane	7.920	113	239148	55.70	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.40%
50) Toluene-d8	10.344	98	980627	57.10	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.20%
62) 4-Bromofluorobenzene	12.632	95	309514	50.05	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.10%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	59	3.17	ug/l #	38
11) Tert butyl alcohol	5.232	59	169	Below	Cal #	74
16) Acetone	4.156	43	14453	20.64	ug/l	97
20) Methylene Chloride	4.973	84	12177	Below	Cal	97
31) Cyclohexane	7.991	56	9760	1.15	ug/l #	24
36) 1,1-Dichloropropene	7.979	75	34273	4.38	ug/l #	47
38) Carbon Tetrachloride	7.985	117	42056	5.74	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	156096	56.24	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	156096	113.80	ug/l #	13

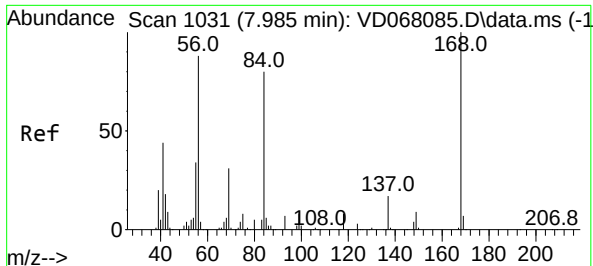
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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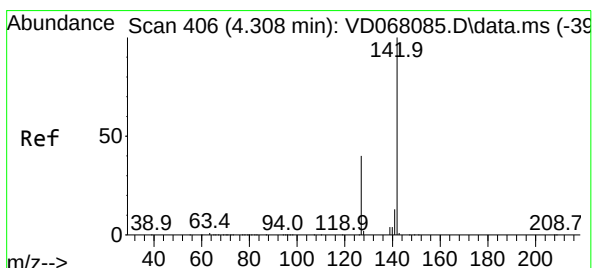
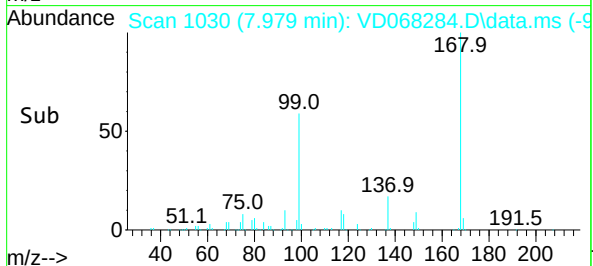
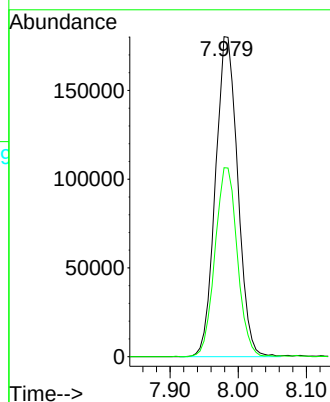
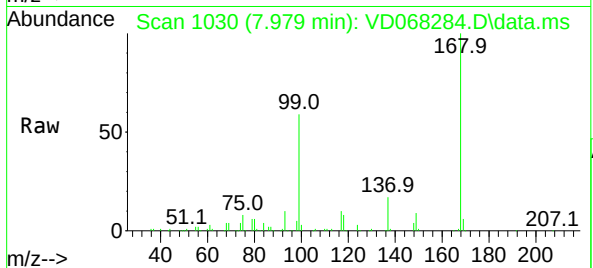




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

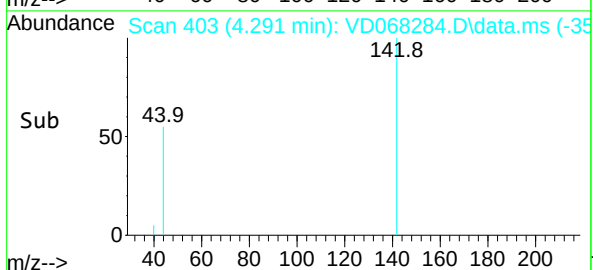
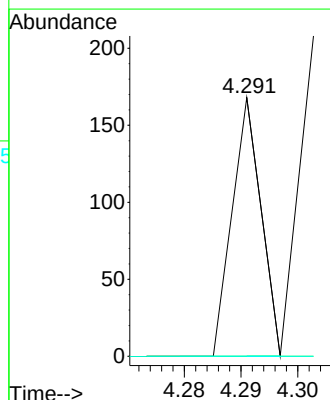
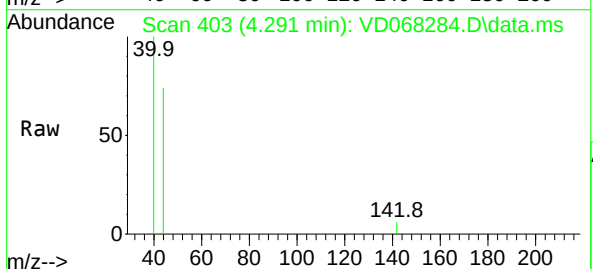
Instrument :
MSVOA_D
ClientSampleId :
OU421-007-0205

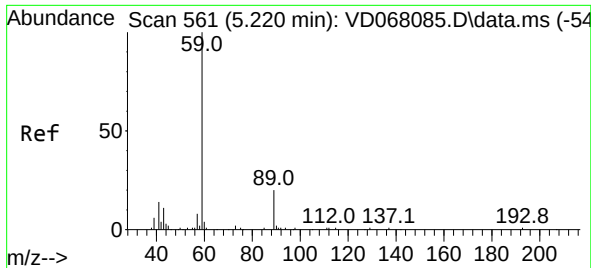
Tgt Ion:168 Resp: 409913
Ion Ratio Lower Upper
168 100
99 59.1 43.5 65.3



#10
Methyl Iodide
Concen: 3.17 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.017 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

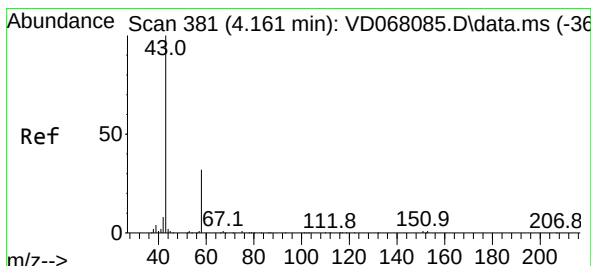
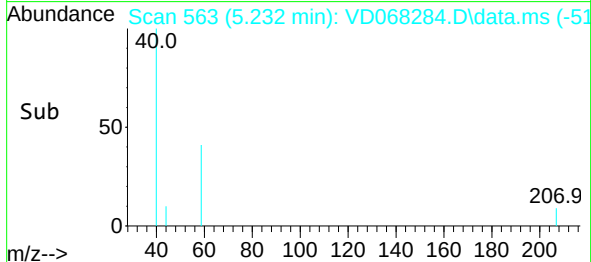
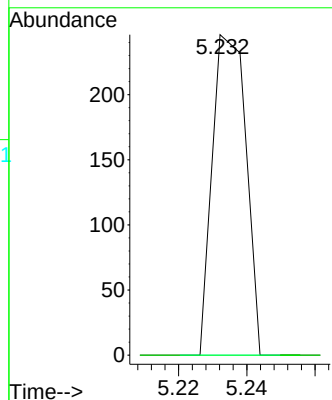
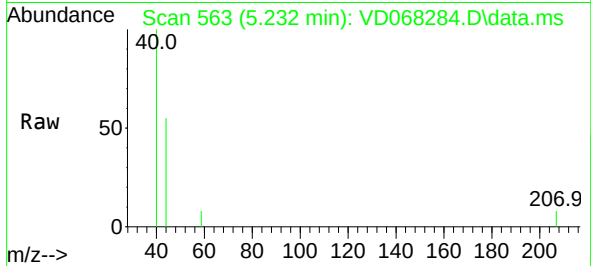




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

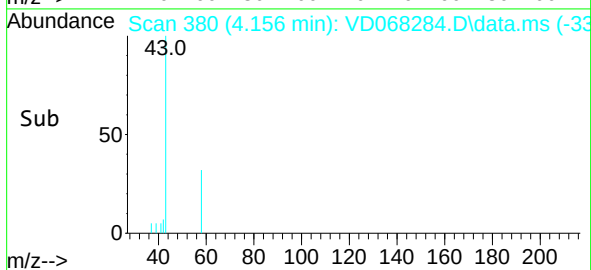
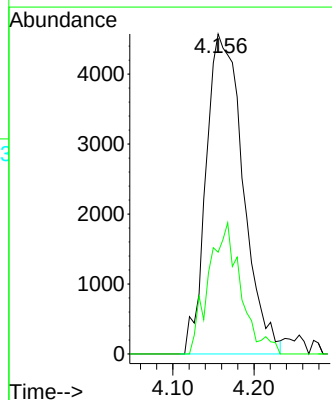
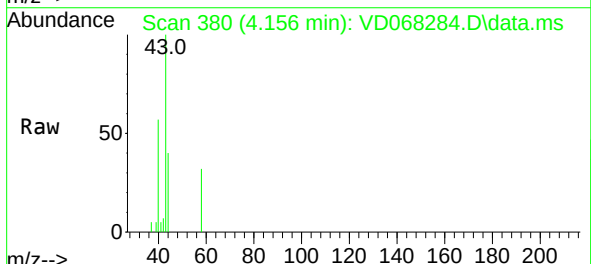
Instrument :
MSVOA_D
ClientSampleId :
OU421-007-0205

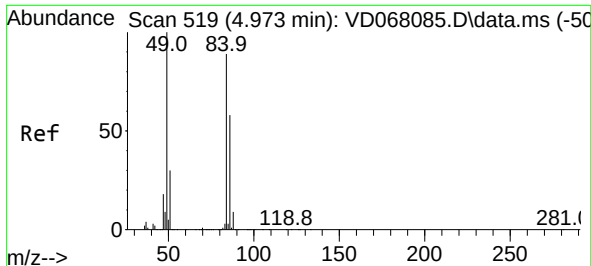
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 20.64 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

Tgt Ion: 43 Resp: 14453
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068284.D

Acq: 04 Feb 2021 18:41

Instrument :

MSVOA_D

ClientSampleId :

OU421-007-0205

Tgt Ion: 84 Resp: 12177

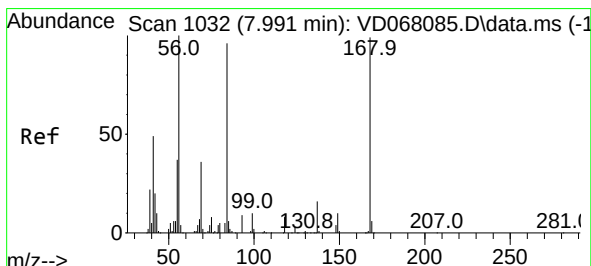
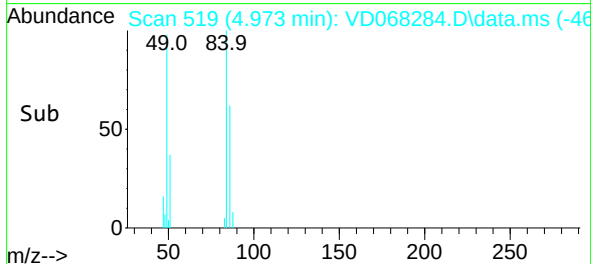
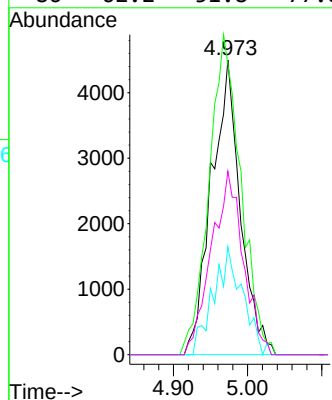
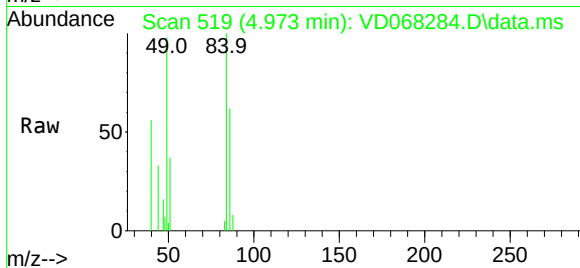
Ion Ratio Lower Upper

84 100

49 98.5 77.4 116.2

51 36.6 26.1 39.1

86 62.2 51.8 77.8



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 7.991 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VD068284.D

Acq: 04 Feb 2021 18:41

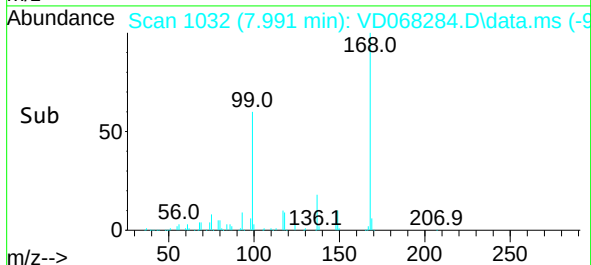
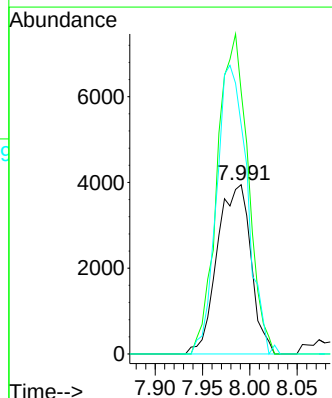
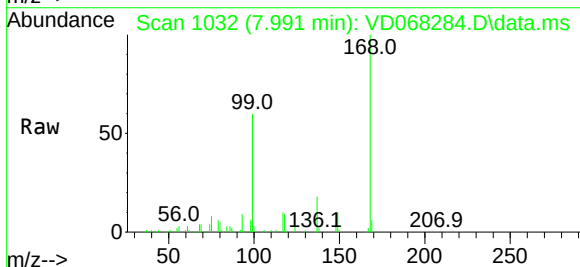
Tgt Ion: 56 Resp: 9760

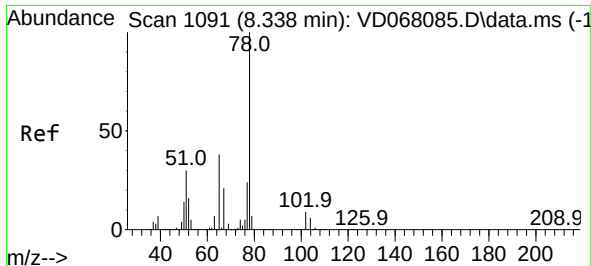
Ion Ratio Lower Upper

56 100

69 155.0 30.1 45.1#

84 135.6 82.1 123.1#

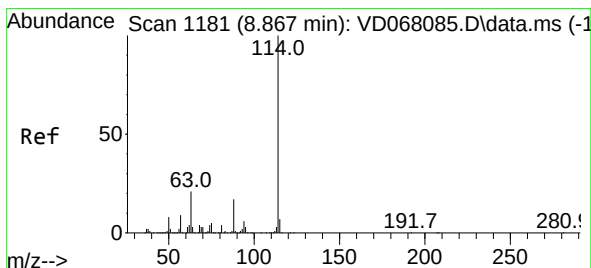
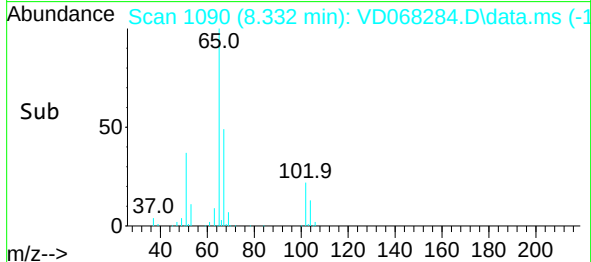
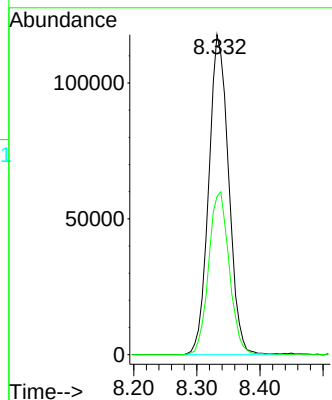
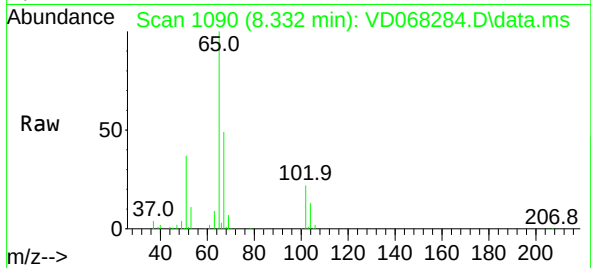




#33
 1,2-Dichloroethane-d4
 Concen: 65.88 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: VD068284.D
 Acq: 04 Feb 2021 18:41

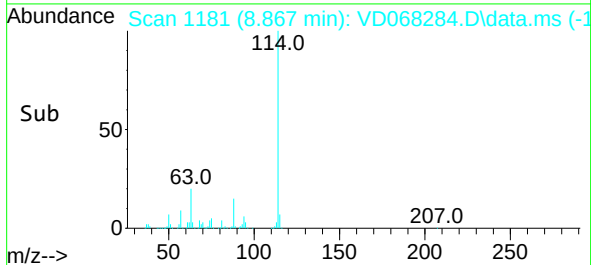
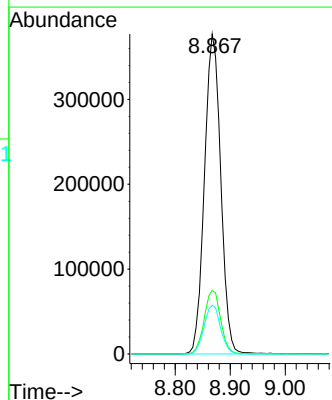
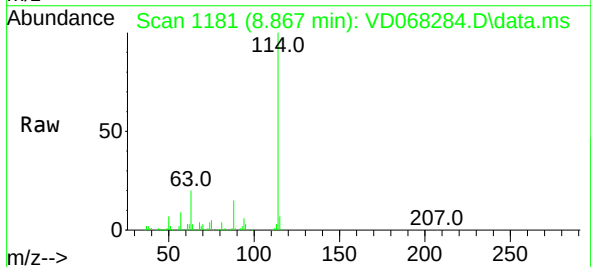
Instrument :
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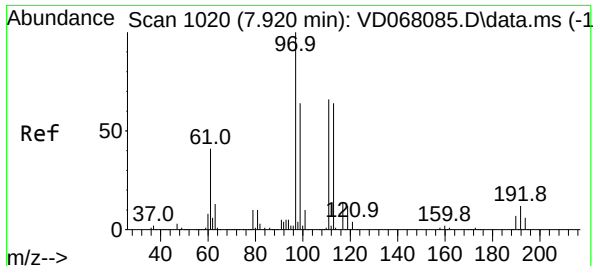
Tgt Ion: 65 Resp: 258316
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068284.D
 Acq: 04 Feb 2021 18:41

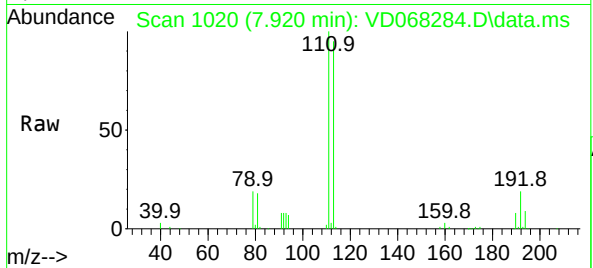
Tgt Ion: 114 Resp: 776567
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 34.8
 88 15.3 0.0 31.6



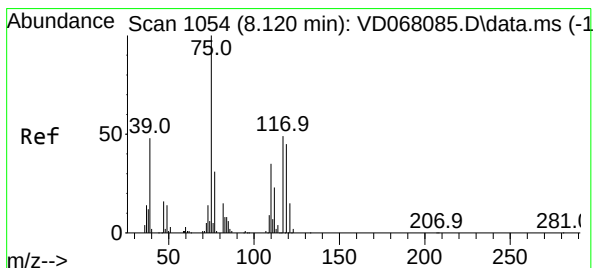
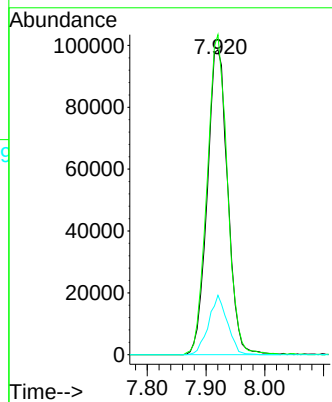
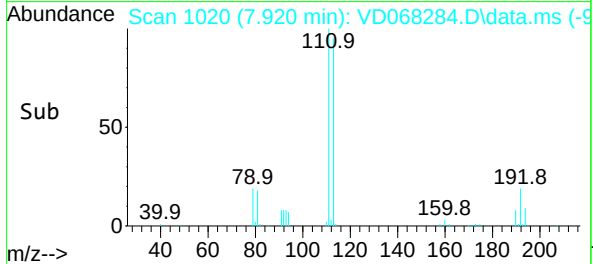


#35
Dibromofluoromethane
Concen: 55.70 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

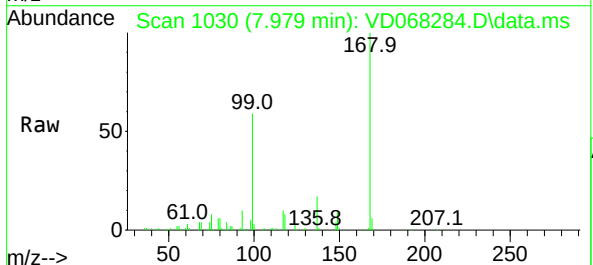
Instrument :
MSVOA_D
ClientSampleId :
OU421-007-0205



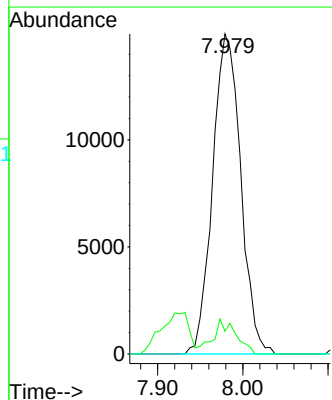
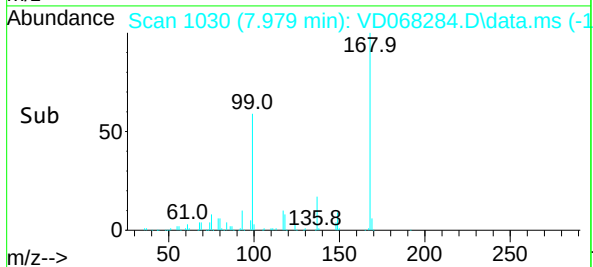
Tgt Ion:113 Resp: 239148
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 17.8 16.1 24.1

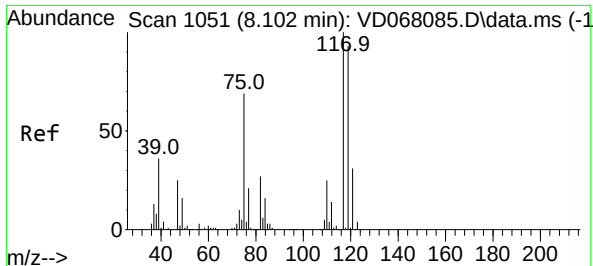


#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.141 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41



Tgt Ion: 75 Resp: 34273
Ion Ratio Lower Upper
75 100
110 8.6 19.4 58.2#
77 0.0 25.3 37.9#

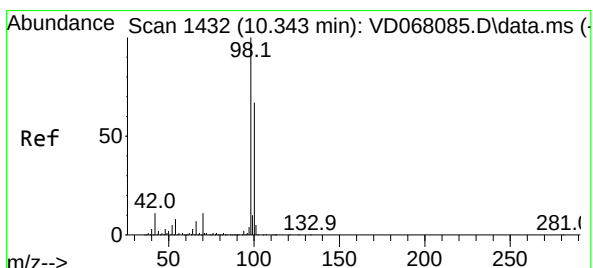
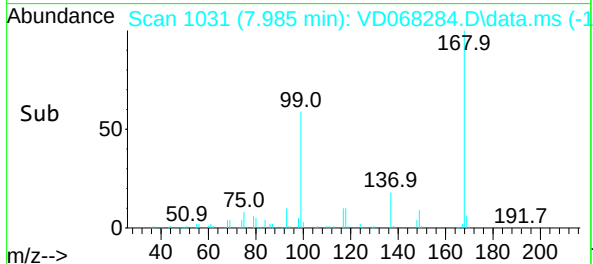
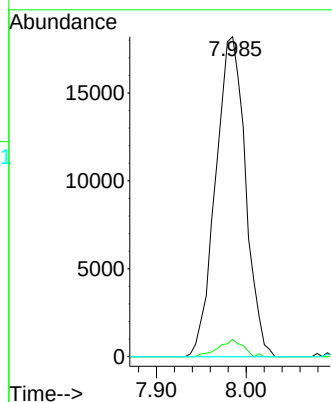
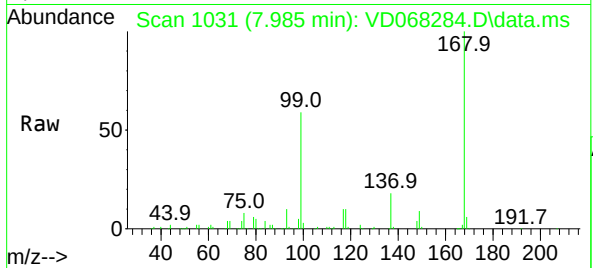




#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

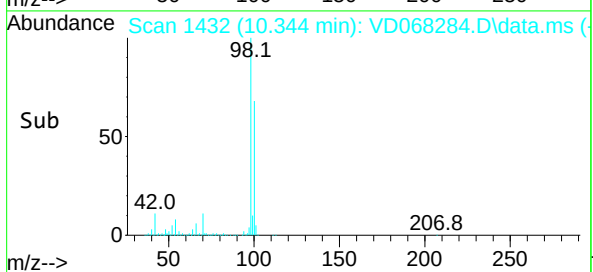
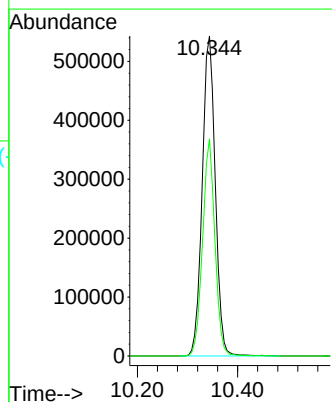
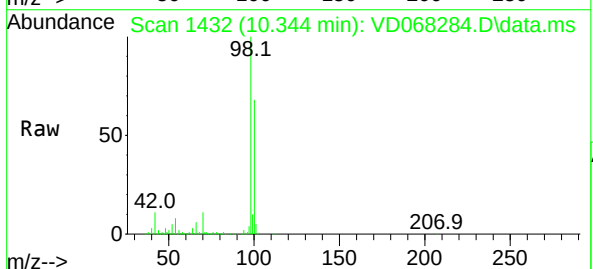
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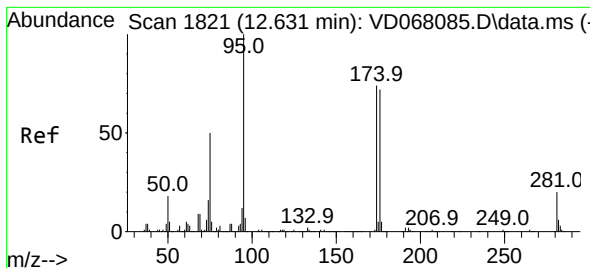
Tgt Ion:117 Resp: 42056
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 57.10 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

Tgt Ion: 98 Resp: 980627
Ion Ratio Lower Upper
98 100
100 64.2 53.0 79.4

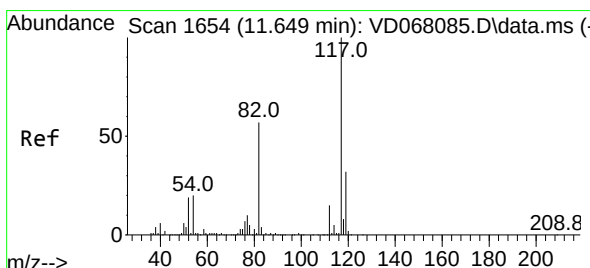
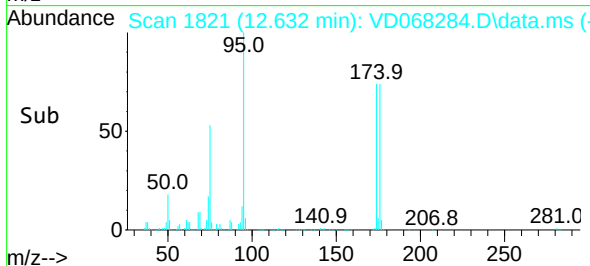
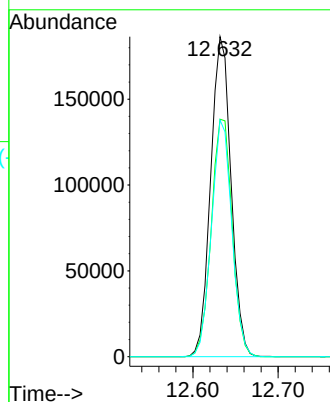
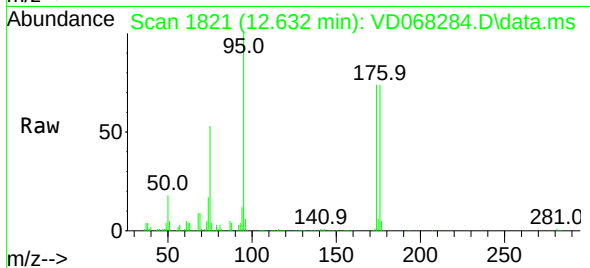




#62
4-Bromofluorobenzene
Concen: 50.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

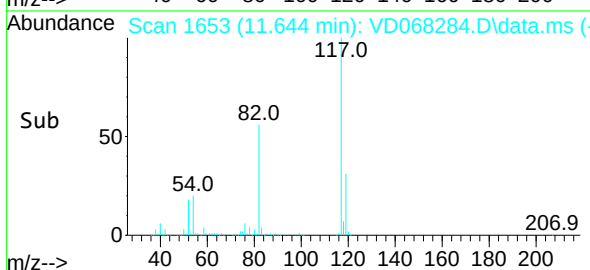
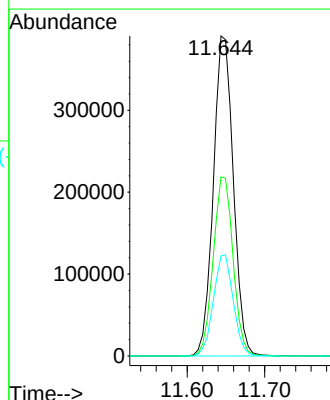
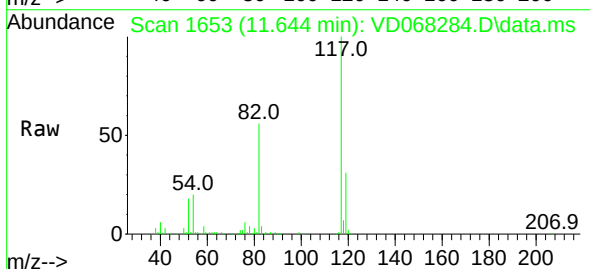
Instrument :
MSVOA_D
ClientSampleId :
OU421-007-0205

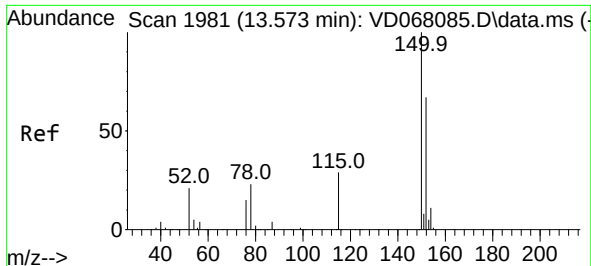
Tgt Ion: 95 Resp: 309514
Ion Ratio Lower Upper
95 100
174 76.0 0.0 172.4
176 73.8 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

Tgt Ion: 117 Resp: 700331
Ion Ratio Lower Upper
117 100
82 55.9 41.4 62.0
119 31.3 26.1 39.1

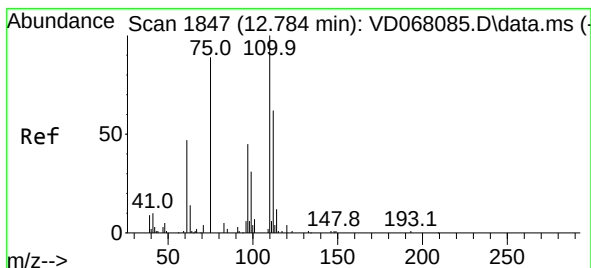
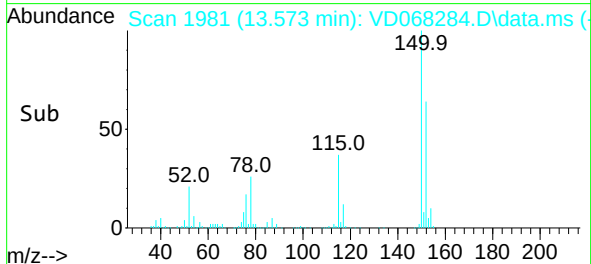
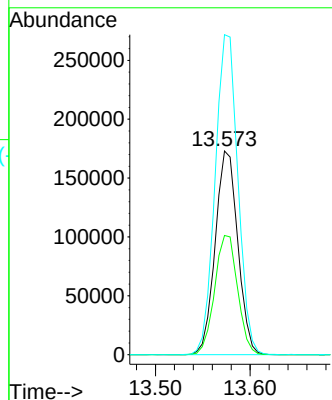
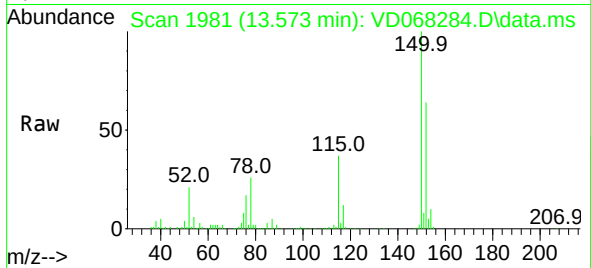




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

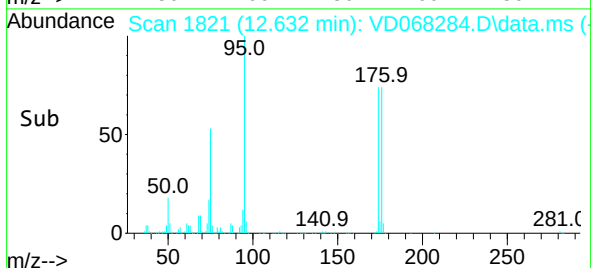
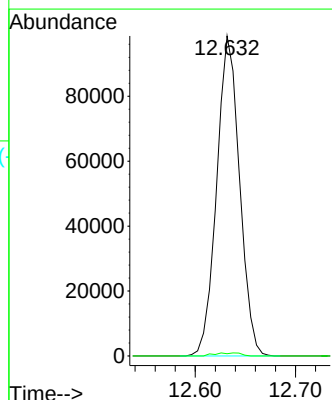
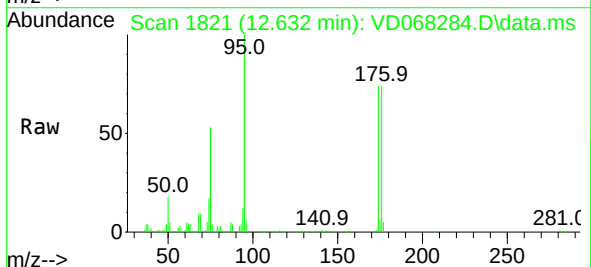
Instrument :
MSVOA_D
ClientSampleId :
OU421-007-0205

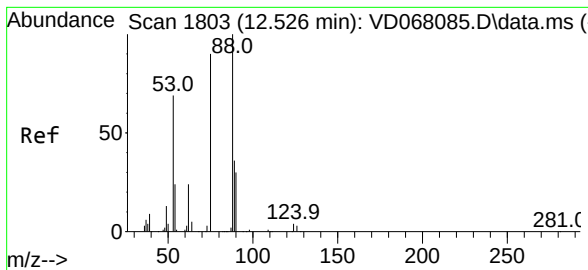
Tgt Ion:152 Resp: 287060
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.8
150 158.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 56.24 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068284.D
Acq: 04 Feb 2021 18:41

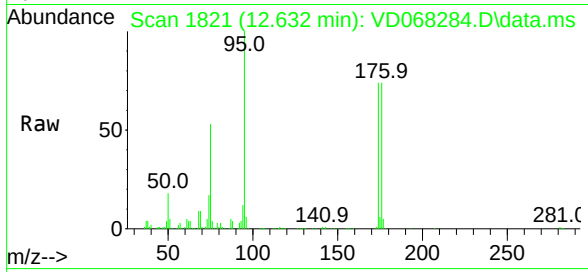
Tgt Ion: 75 Resp: 156096
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.80 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068284.D
 Acq: 04 Feb 2021 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 OU421-007-0205



Tgt Ion: 75 Resp: 156096
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

