

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031721\
 Data File : VD068641.D
 Acq On : 17 Mar 2021 16:49
 Operator : VA/SY
 Sample : M1693-01
 Misc : 5.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 18 00:57:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

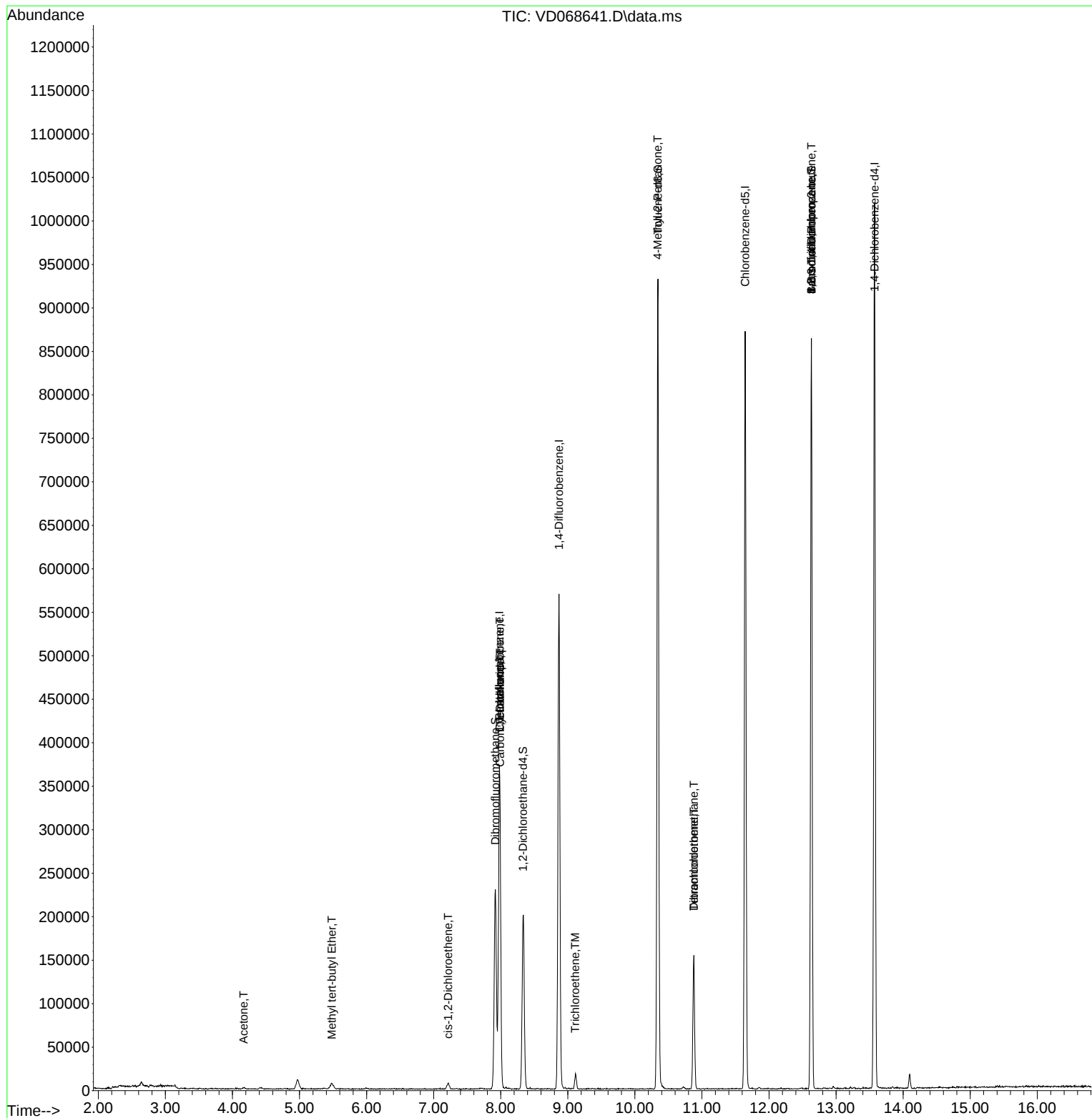
Internal Standards						
1) Pentafluorobenzene	7.979	168	279260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	515925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	514151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	275619	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159727	57.25	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.50%
35) Dibromofluoromethane	7.920	113	162840	52.39	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.78%
50) Toluene-d8	10.344	98	655013	52.91	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.82%
62) 4-Bromofluorobenzene	12.632	95	227992	57.15	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	114.30%
Target Compounds						
					Qvalue	
16) Acetone	4.168	43	2586	5.83	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	10424	1.71	ug/l	99
20) Methylene Chloride	4.973	84	8654	Below	Cal	97
27) cis-1,2-Dichloroethene	7.214	96	4130	1.12	ug/l	95
31) Cyclohexane	7.985	56	5875	1.16	ug/l #	33
36) 1,1-Dichloropropene	7.985	75	22076	4.50	ug/l #	47
38) Carbon Tetrachloride	7.991	117	30190	6.55	ug/l #	14
44) Trichloroethene	9.108	130	6291	1.63	ug/l	99
51) 4-Methyl-2-Pentanone	10.338	43	2332	1.49	ug/l #	1
60) Dibromochloromethane	10.879	129	31647	10.10	ug/l #	11
64) Tetrachloroethene	10.879	164	34935	10.41	ug/l	97
71) Bromoform	12.632	173	1875	1.01	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	118357	48.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	118357	112.88	ug/l #	14

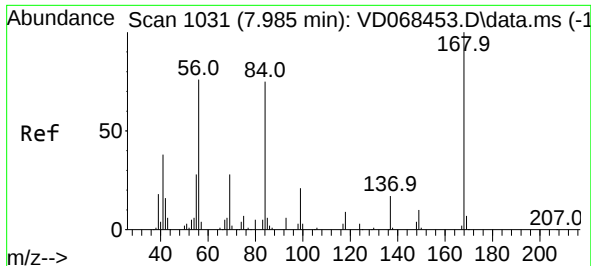
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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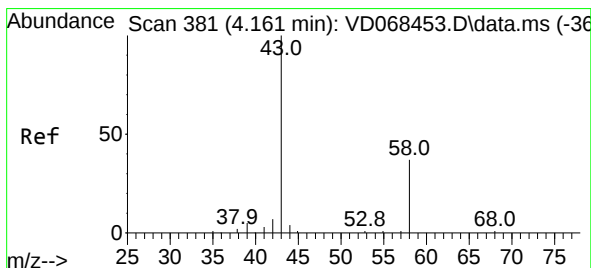
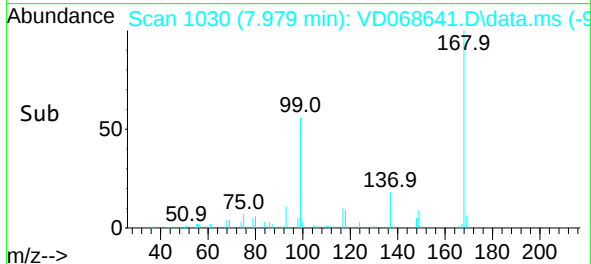
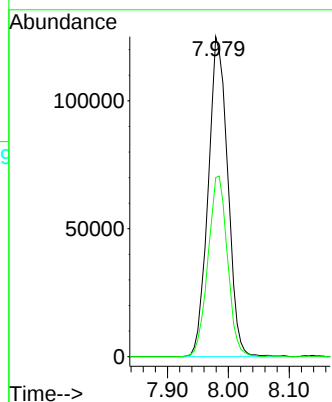
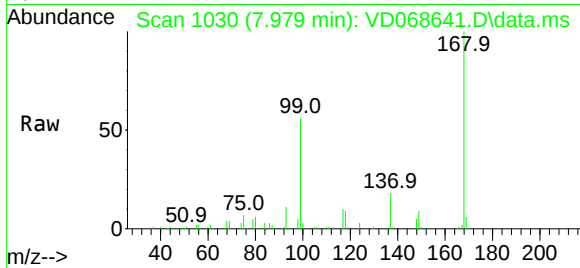




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

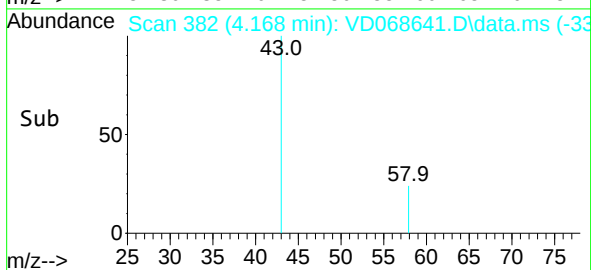
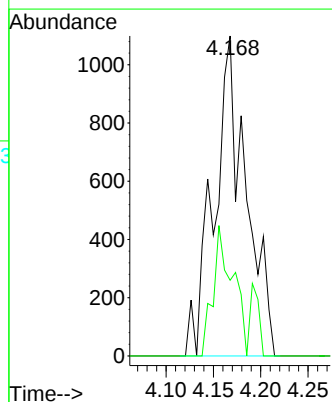
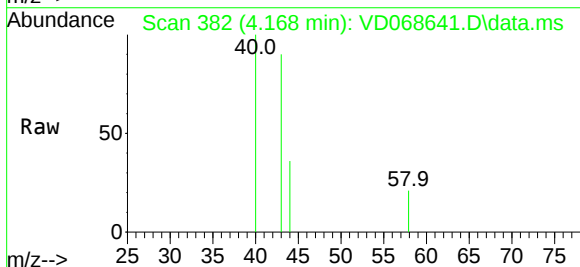
Instrument :
MSVOA_D
ClientSampleId :

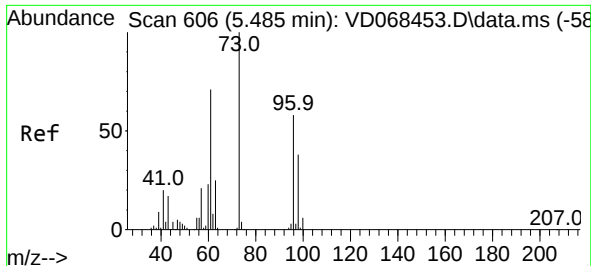
Tgt Ion:168 Resp: 279260
Ion Ratio Lower Upper
168 100
99 56.0 43.5 65.3



#16
Acetone
Concen: 5.83 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 43 Resp: 2586
Ion Ratio Lower Upper
43 100
58 23.7 24.2 36.4#

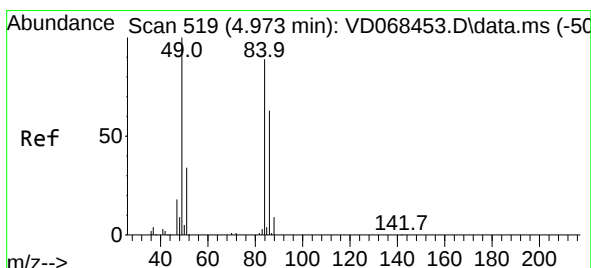
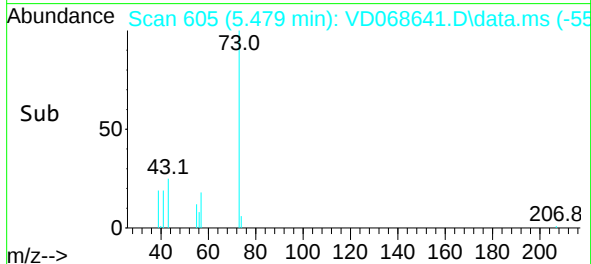
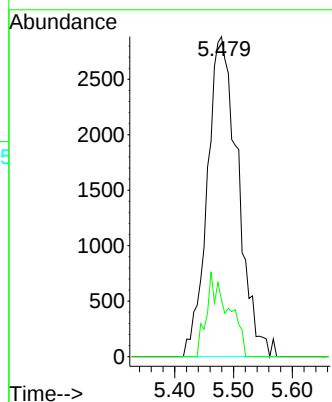
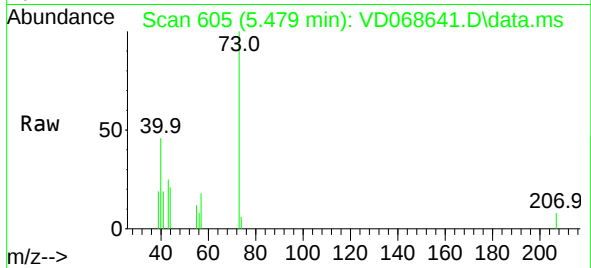




#19
Methyl tert-butyl Ether
Concen: 1.71 ug/l
RT: 5.479 min Scan# 605
Delta R.T. -0.005 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

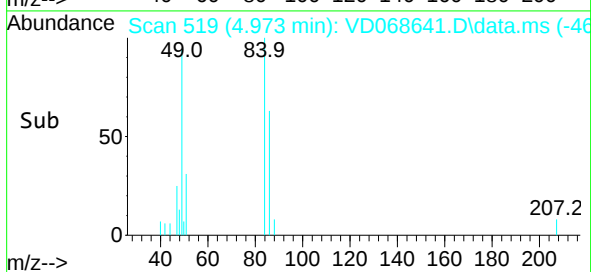
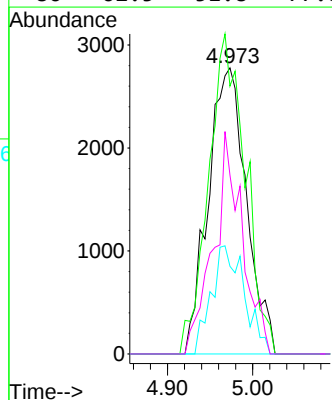
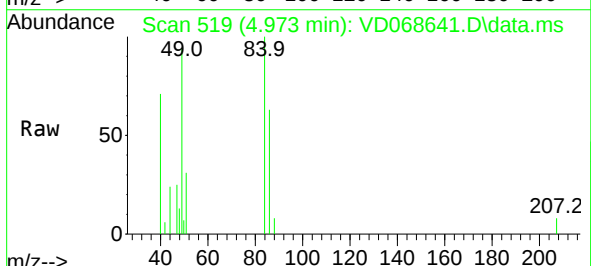
Instrument :
MSVOA_D
ClientSampleId :

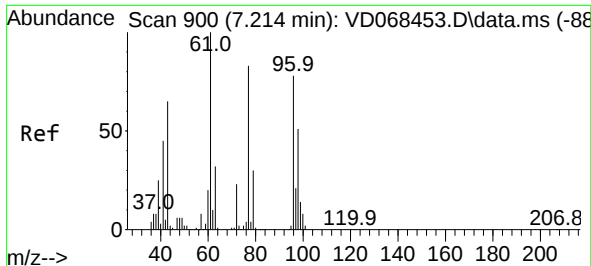
Tgt Ion: 73 Resp: 10424
Ion Ratio Lower Upper
73 100
57 17.6 14.4 21.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 84 Resp: 8654
Ion Ratio Lower Upper
84 100
49 93.7 77.4 116.2
51 30.7 26.1 39.1
86 62.5 51.8 77.8





#27

cis-1,2-Dichloroethene

Concen: 1.12 ug/l

RT: 7.214 min Scan# 900

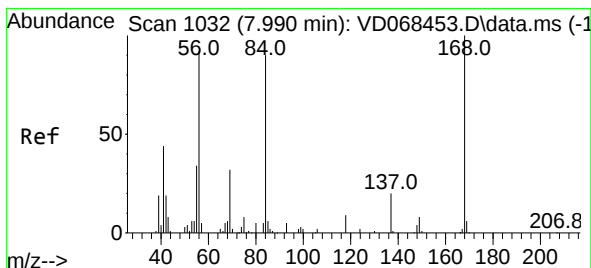
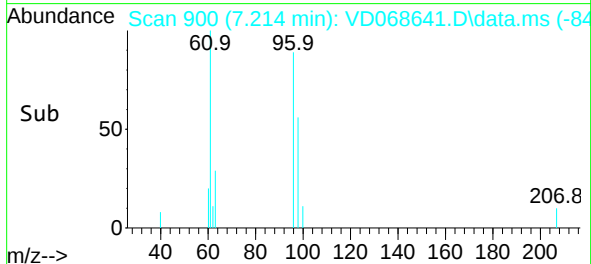
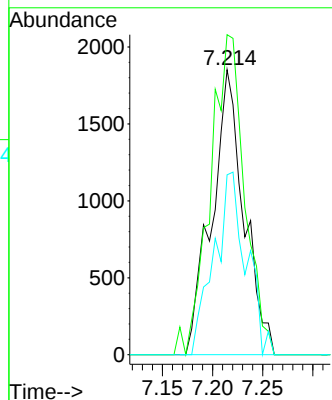
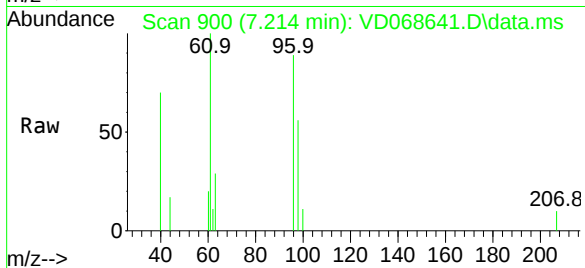
Delta R.T. 0.000 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	96	Resp:	4130
Ion	Ratio	Lower	Upper
96	100		
61	120.5	0.0	257.4
98	64.0	0.0	126.6



#31

Cyclohexane

Concen: 1.16 ug/l

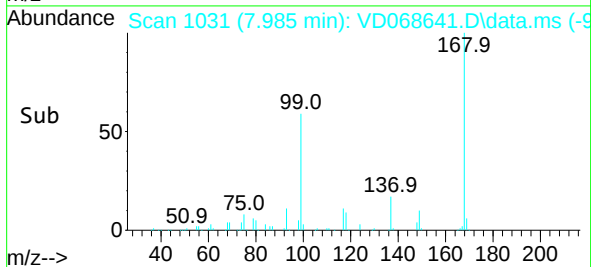
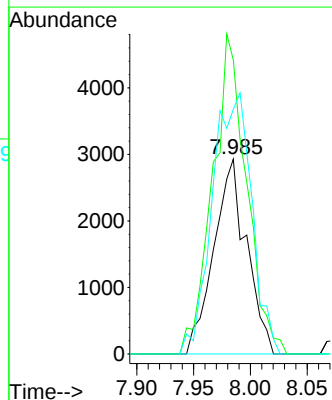
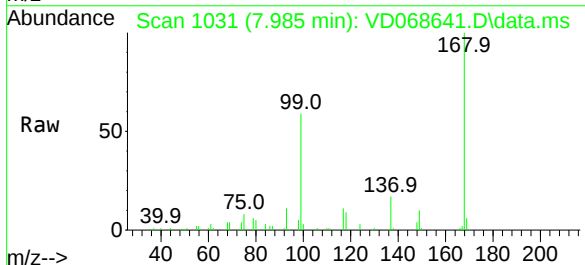
RT: 7.985 min Scan# 1031

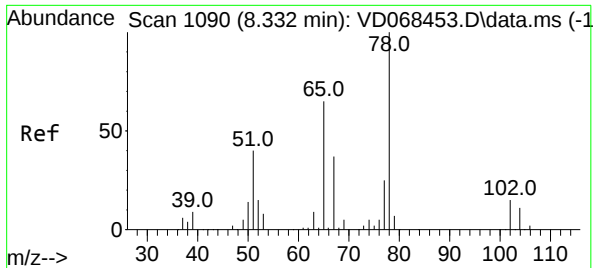
Delta R.T. -0.005 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

Tgt Ion:	56	Resp:	5875
Ion	Ratio	Lower	Upper
56	100		
69	150.8	30.1	45.1#
84	125.6	82.1	123.1#

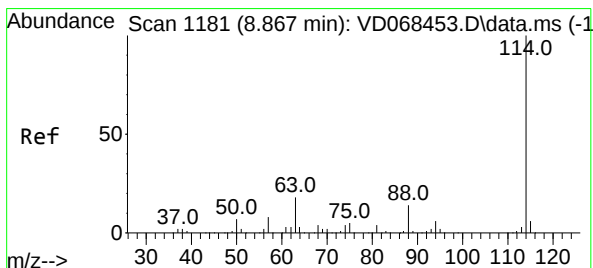
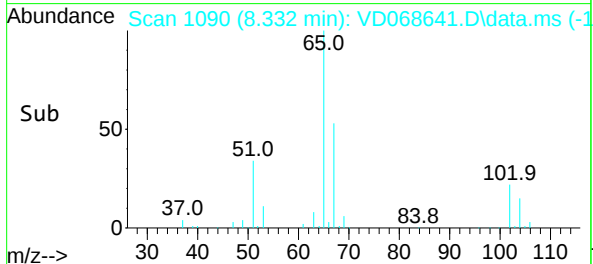
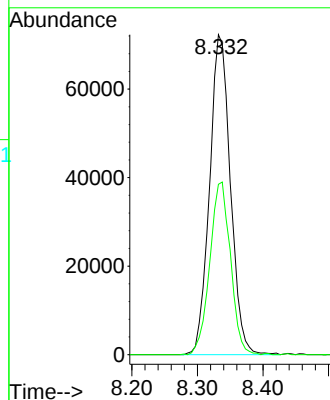
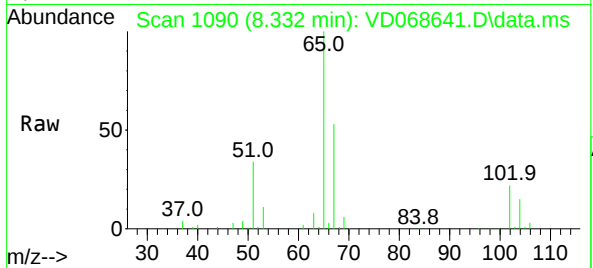




#33
1,2-Dichloroethane-d4
Concen: 57.25 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

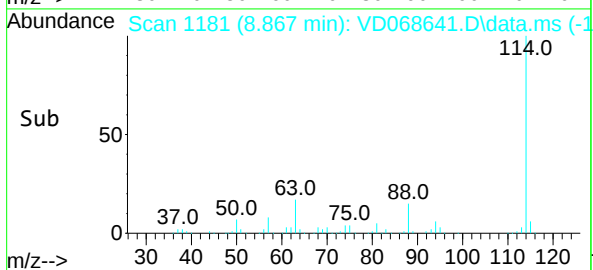
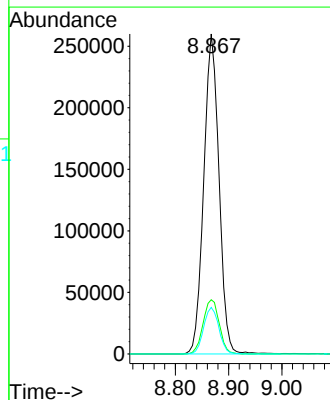
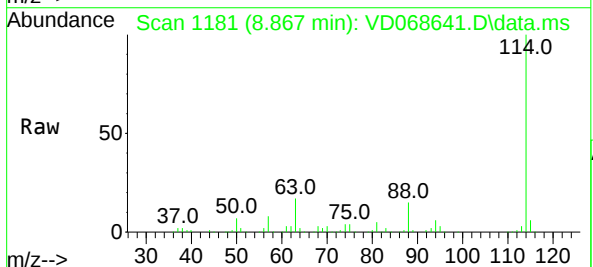
Instrument :
MSVOA_D
ClientSampleId :

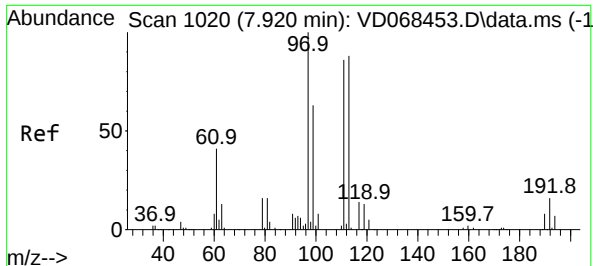
Tgt Ion: 65 Resp: 159727
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 114 Resp: 515925
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.8
88 14.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.39 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

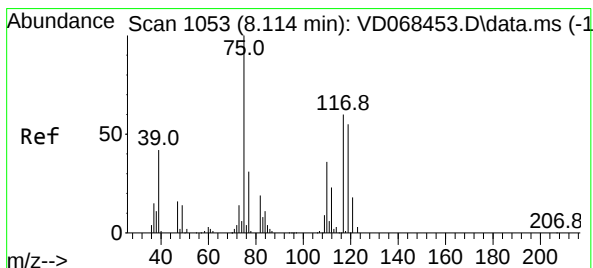
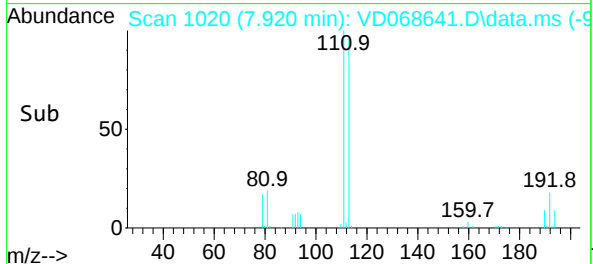
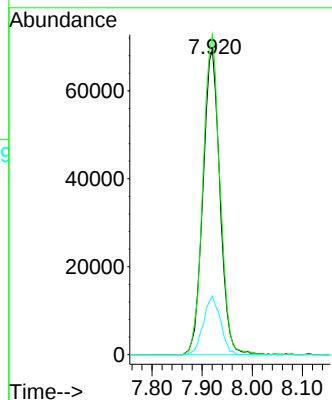
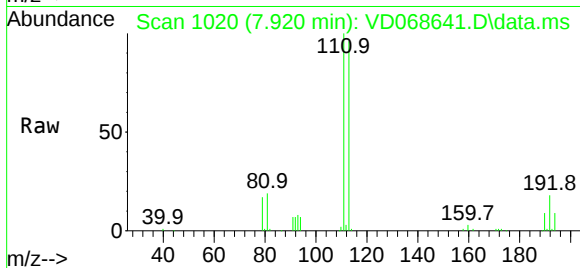
Tgt Ion:113 Resp: 162840

Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

192 19.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

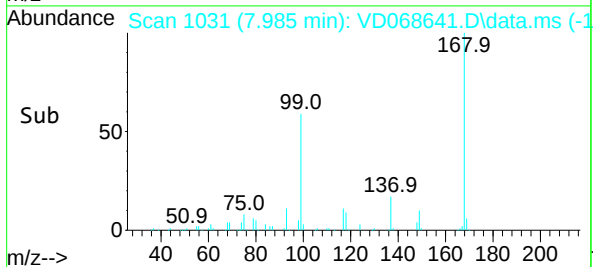
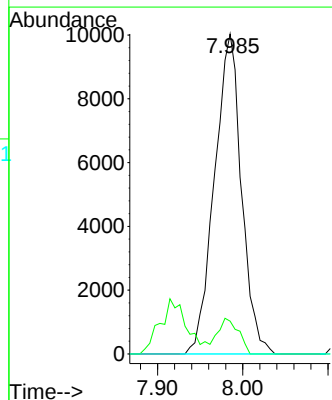
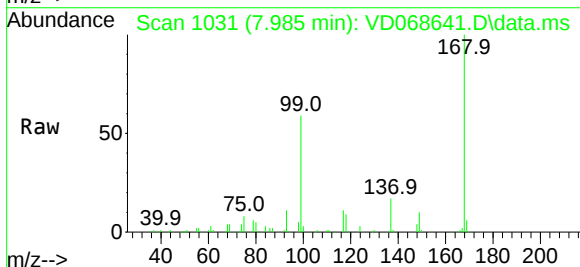
Tgt Ion: 75 Resp: 22076

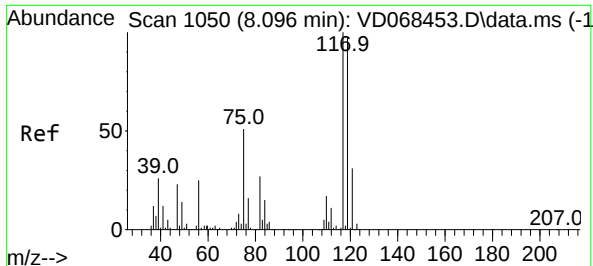
Ion Ratio Lower Upper

75 100

110 8.5 19.4 58.2#

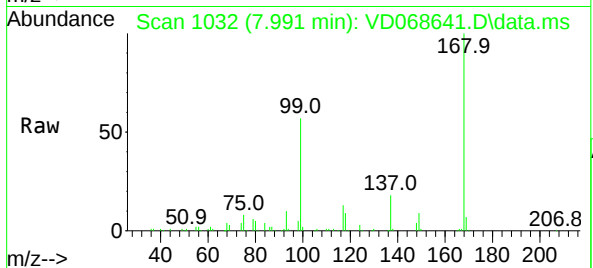
77 0.0 25.3 37.9#



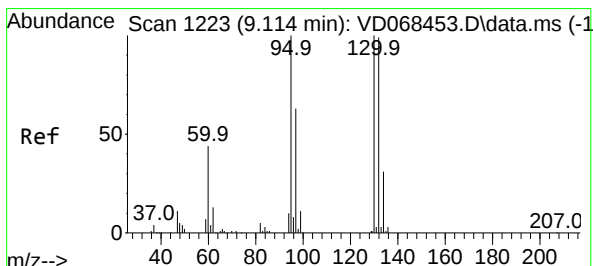
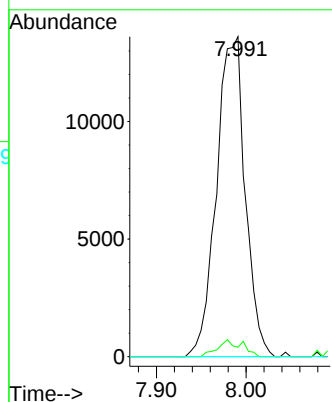
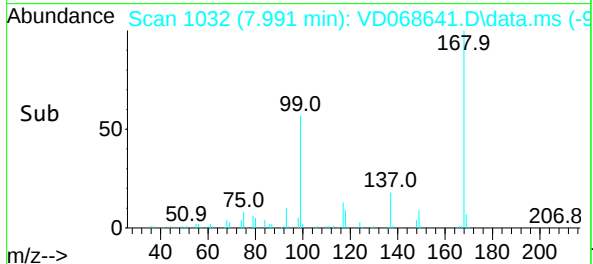


#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.105 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

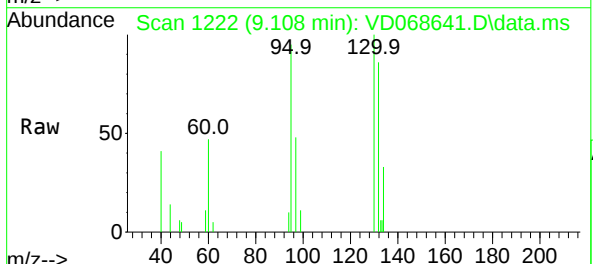
Instrument :
MSVOA_D
ClientSampleId :



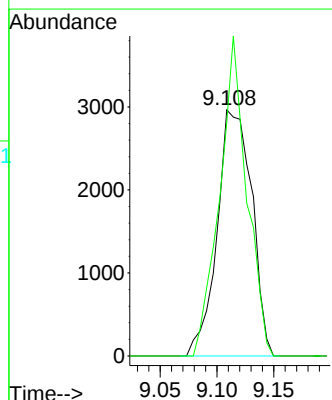
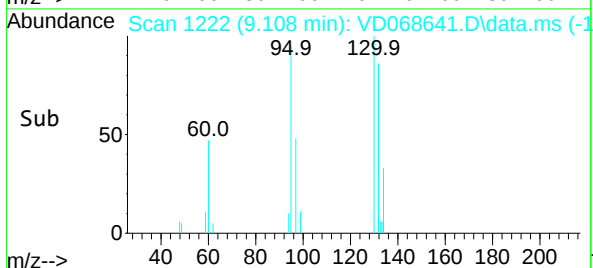
Tgt Ion:117 Resp: 30190
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 24.7 37.1#

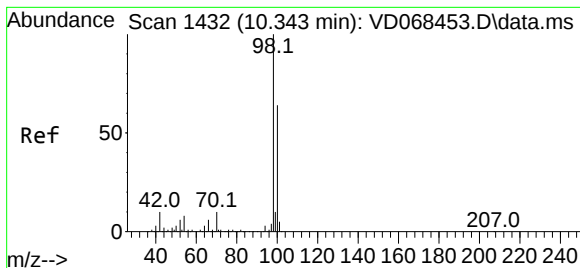


#44
Trichloroethene
Concen: 1.63 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.005 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49



Tgt Ion:130 Resp: 6291
Ion Ratio Lower Upper
130 100
95 95.0 0.0 191.2

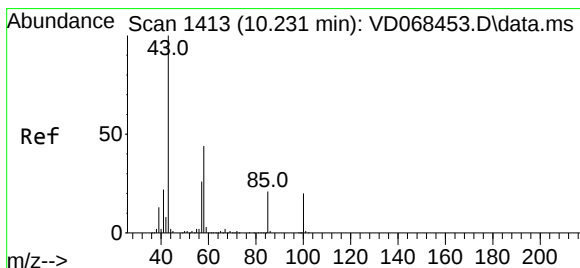
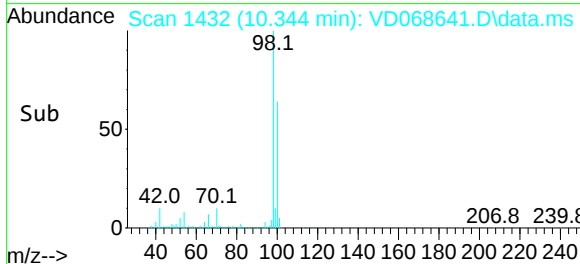
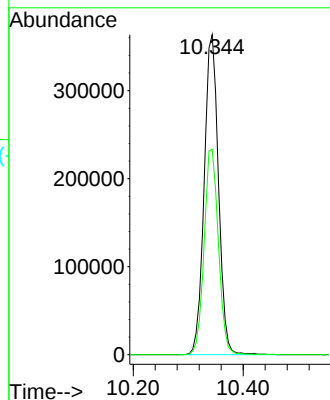
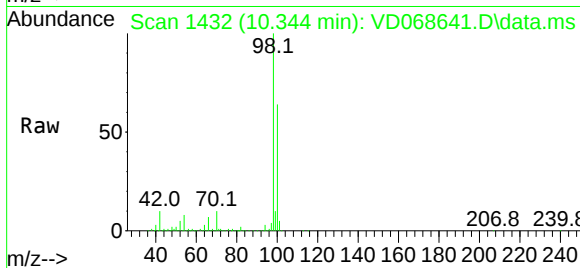




#50
Toluene-d8
Concen: 52.91 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

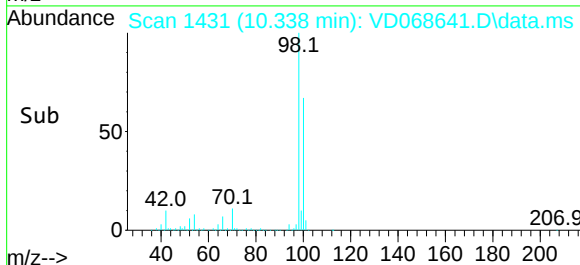
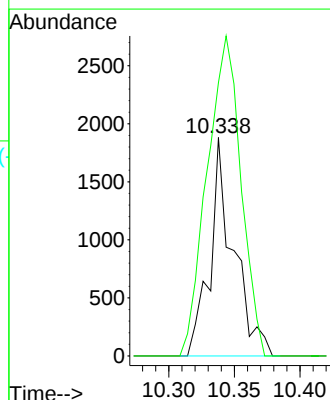
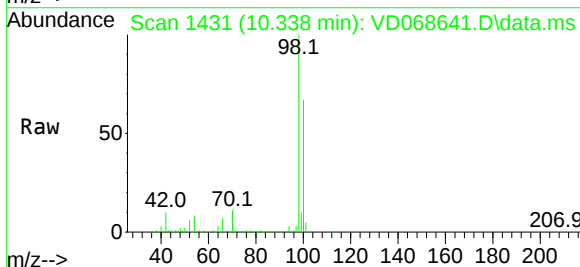
Instrument :
MSVOA_D
ClientSampleId :

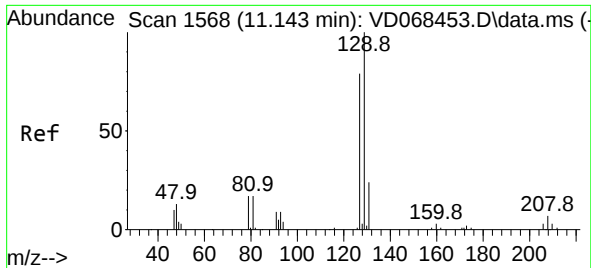
Tgt Ion: 98 Resp: 655013
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.49 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 43 Resp: 2332
Ion Ratio Lower Upper
43 100
58 212.3 36.1 54.1#

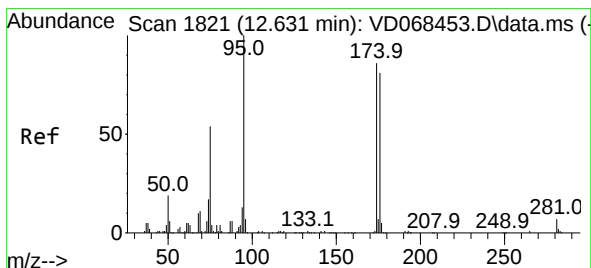
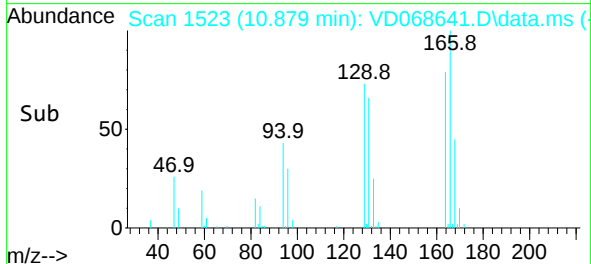
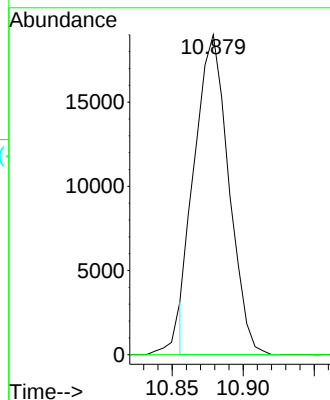
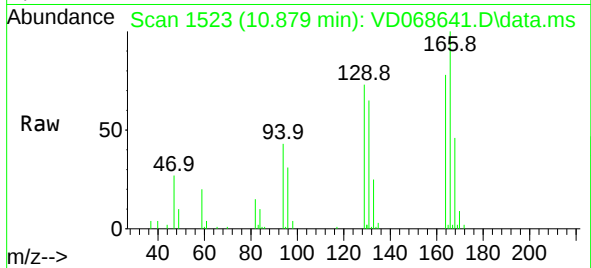




#60
Dibromochloromethane
Concen: 10.10 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.264 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

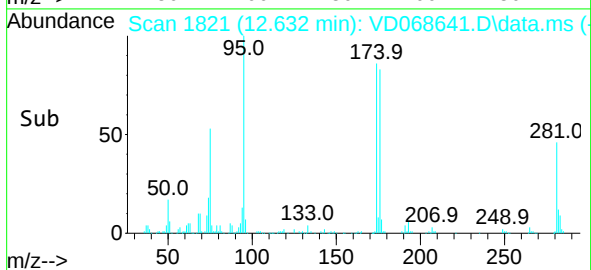
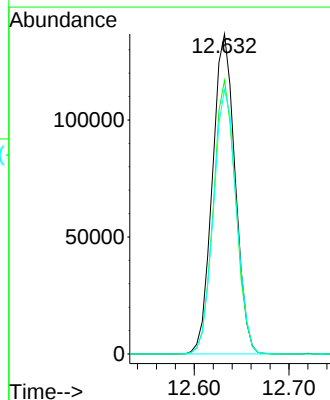
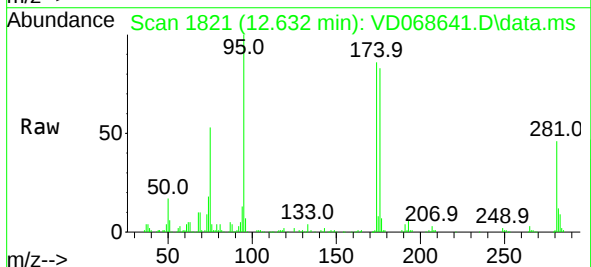
Instrument :
MSVOA_D
ClientSampled :

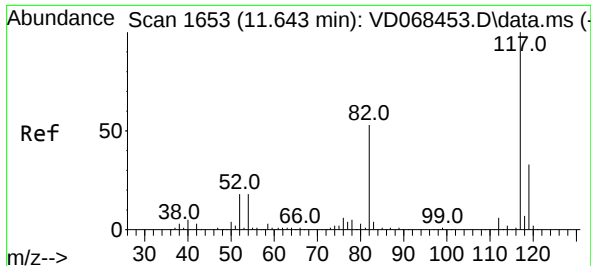
Tgt Ion:129 Resp: 31647
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 57.15 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 95 Resp: 227992
Ion Ratio Lower Upper
95 100
174 84.1 0.0 172.4
176 83.1 0.0 168.4

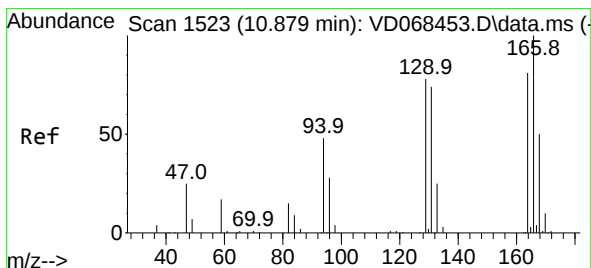
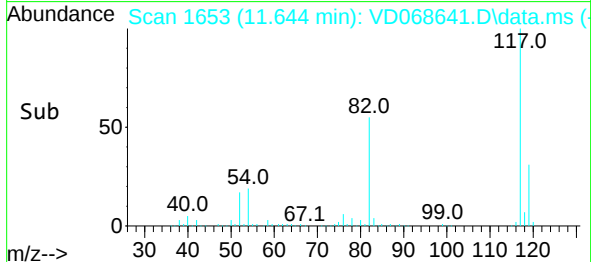
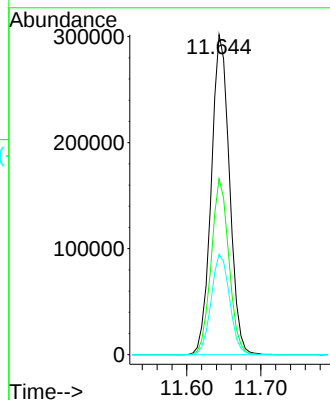
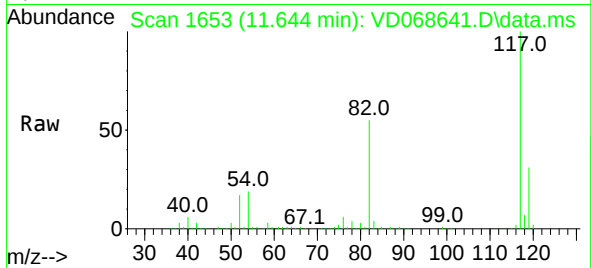




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

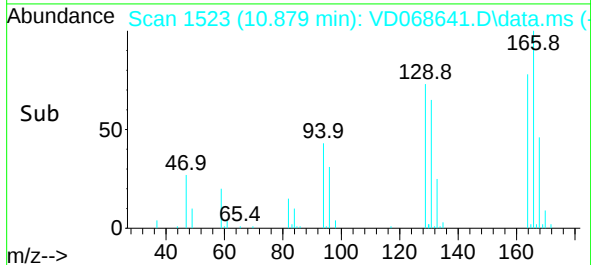
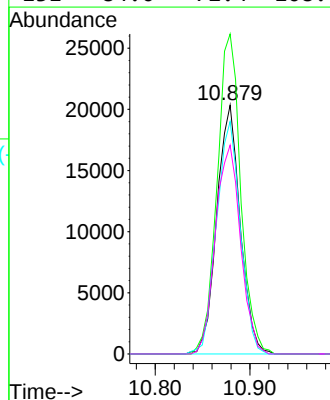
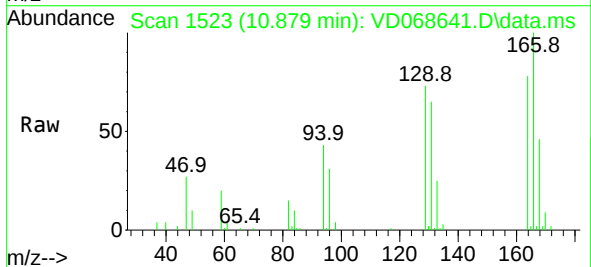
Instrument :
MSVOA_D
ClientSampleId :

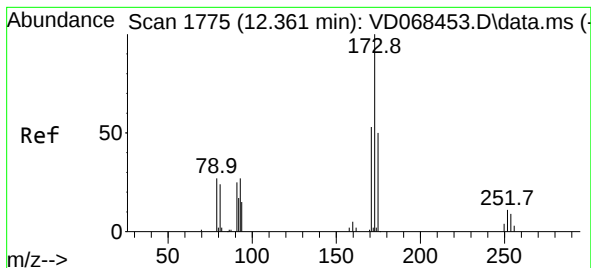
Tgt Ion:117 Resp: 514151
Ion Ratio Lower Upper
117 100
82 55.0 41.4 62.0
119 31.4 26.1 39.1



#64
Tetrachloroethene
Concen: 10.41 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion:164 Resp: 34935
Ion Ratio Lower Upper
164 100
166 128.6 105.5 158.3
129 93.4 75.6 113.4
131 84.0 72.4 108.6





#71

Bromoform

Concen: 1.01 ug/l

RT: 12.632 min Scan# 1821

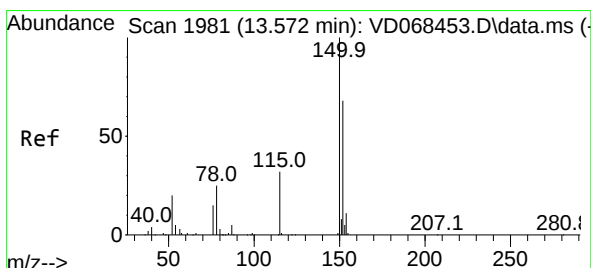
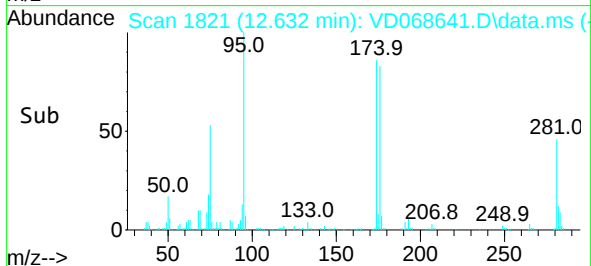
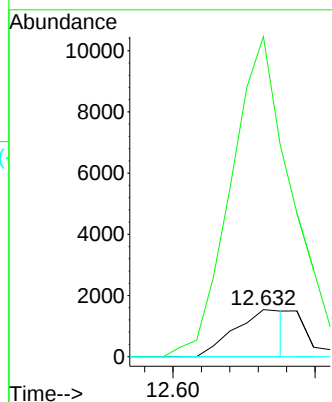
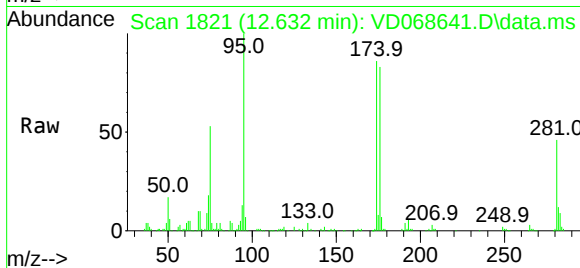
Delta R.T. 0.271 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

Tgt Ion:	173	Resp:	1875
Ion Ratio	Lower	Upper	
173	100		
175	661.1	24.6	73.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_D
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

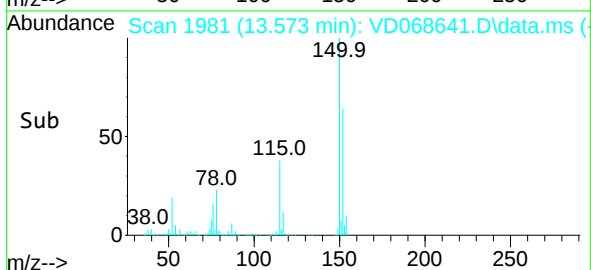
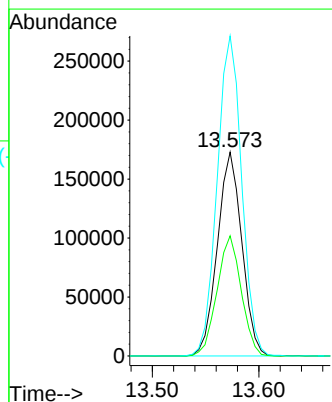
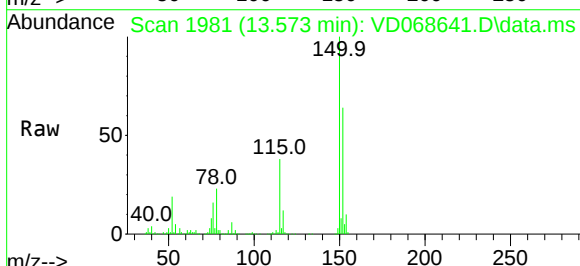
RT: 13.573 min Scan# 1981

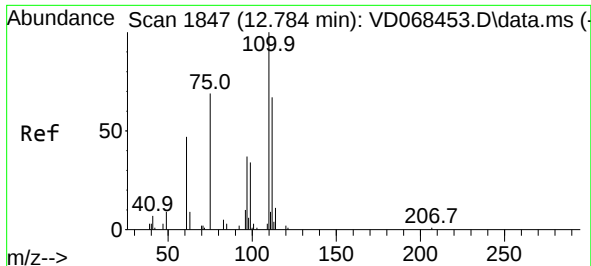
Delta R.T. 0.001 min

Lab File: VD068641.D

Acq: 17 Mar 2021 16:49

Tgt Ion:	152	Resp:	275619
Ion Ratio	Lower	Upper	
152	100		
115	58.1	28.9	86.8
150	157.5	0.0	344.4

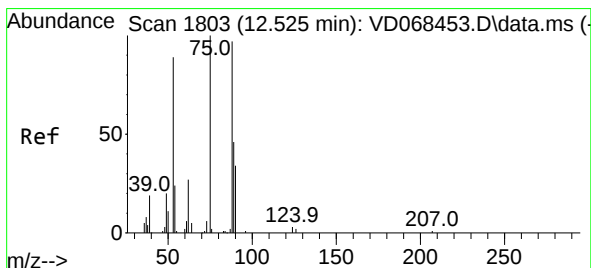
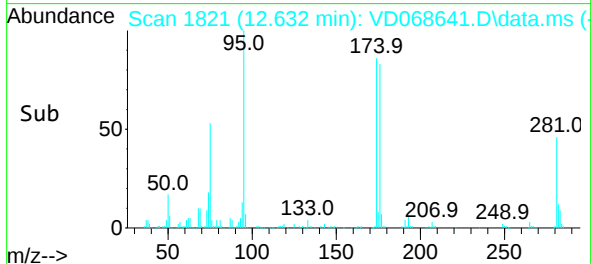
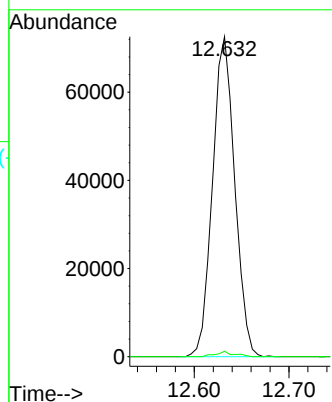
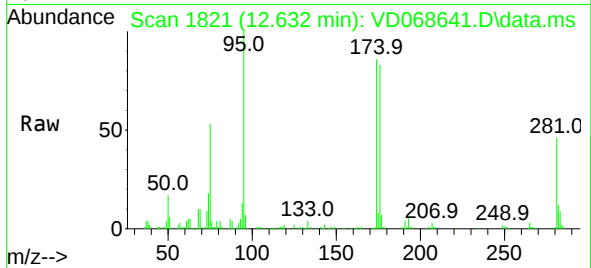




#76
1,2,3-Trichloropropane
Concen: 48.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 118357
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.88 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068641.D
Acq: 17 Mar 2021 16:49

Tgt Ion: 75 Resp: 118357
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.3 40.3 60.5#

