

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031821\
 Data File : VD068657.D
 Acq On : 18 Mar 2021 16:34
 Operator : VA/SY
 Sample : M1686-02
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 01:06:25 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	217517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	411573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	416274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	232261	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127669	58.74	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.48%
35) Dibromofluoromethane	7.920	113	111769	45.08	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.16%
50) Toluene-d8	10.338	98	521488	52.81	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.62%
62) 4-Bromofluorobenzene	12.632	95	189060	59.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.80%

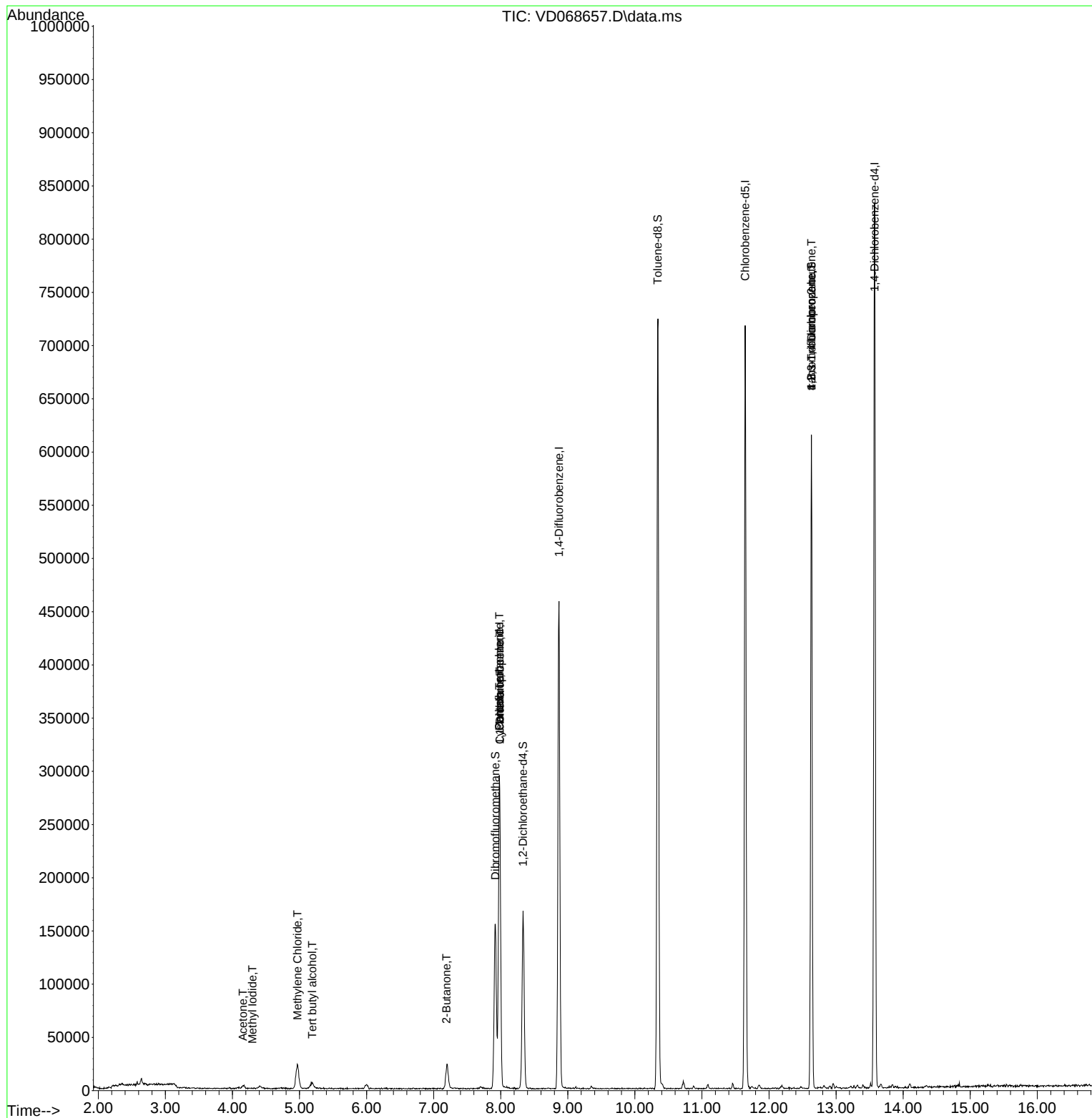
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	59	2.64	ug/l #	38
11) Tert butyl alcohol	5.191	59	4886	42.11	ug/l #	74
16) Acetone	4.156	43	4769	13.81	ug/l #	85
20) Methylene Chloride	4.967	84	19011	3.49	ug/l #	91
25) 2-Butanone	7.191	43	1222	2.46	ug/l #	43
31) Cyclohexane	7.985	56	5138	1.30	ug/l #	19
36) 1,1-Dichloropropene	7.985	75	17345	4.43	ug/l #	48
38) Carbon Tetrachloride	7.979	117	21758	5.92	ug/l #	17
76) 1,2,3-Trichloropropane	12.632	75	98258	47.65	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	98258	111.21	ug/l #	14

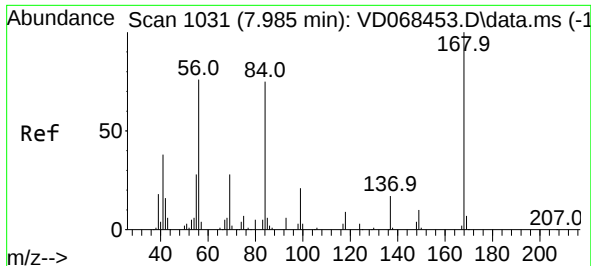
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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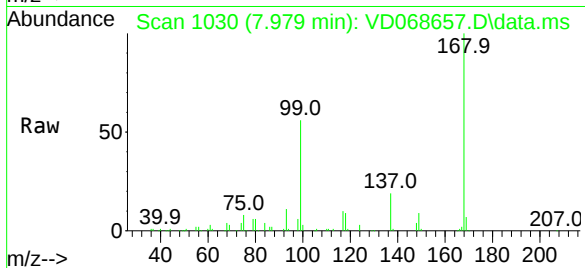
Quant Time: Mar 19 01:06:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
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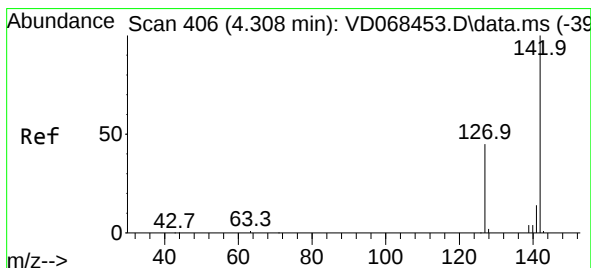
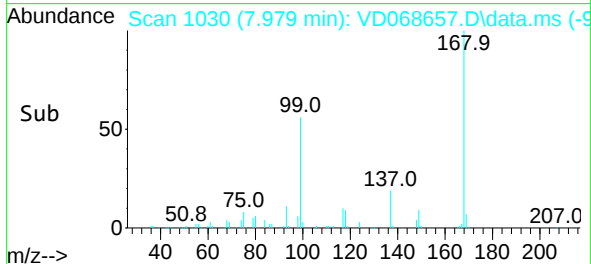
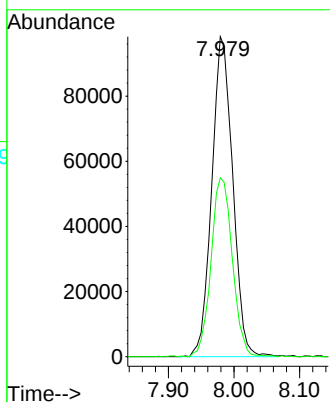


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Instrument :
MSVOA_D
ClientSampled :

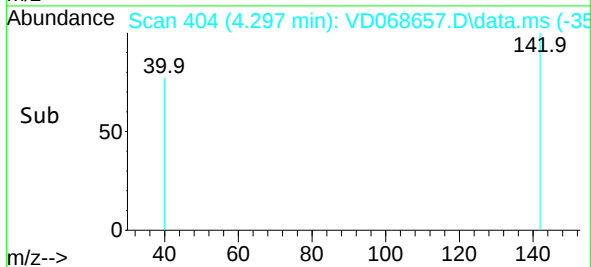
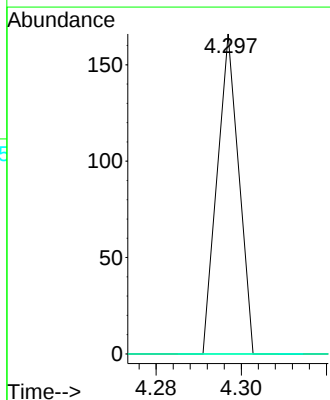
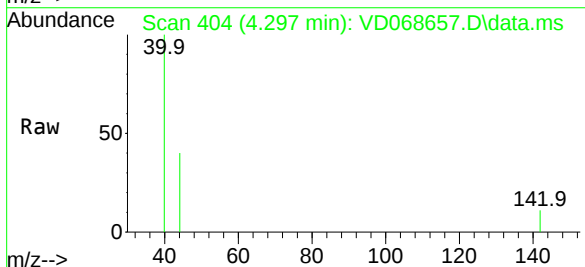


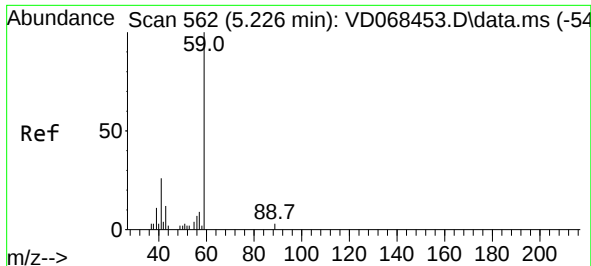
Tgt Ion:168 Resp: 217517
Ion Ratio Lower Upper
168 100
99 55.9 43.5 65.3



#10
Methyl Iodide
Concen: 2.64 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

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: 42.11 ug/l

RT: 5.191 min Scan# 556

Delta R.T. -0.035 min

Lab File: VD068657.D

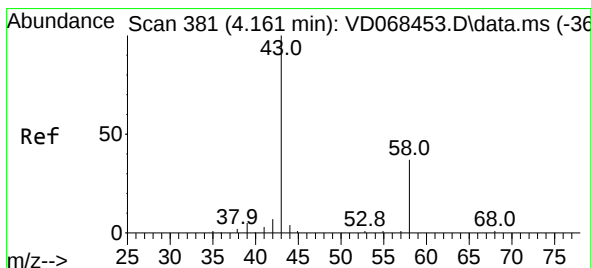
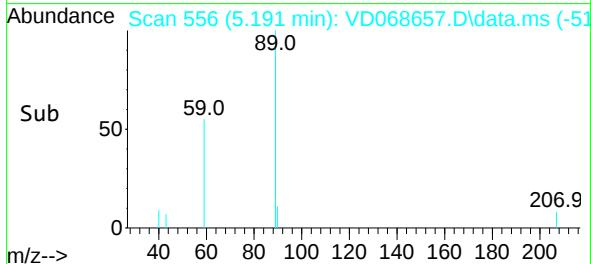
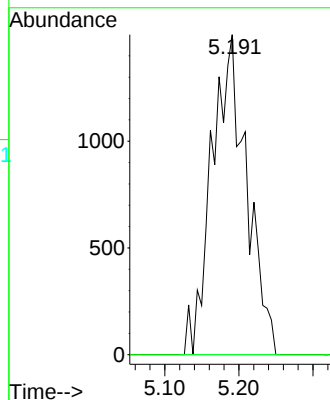
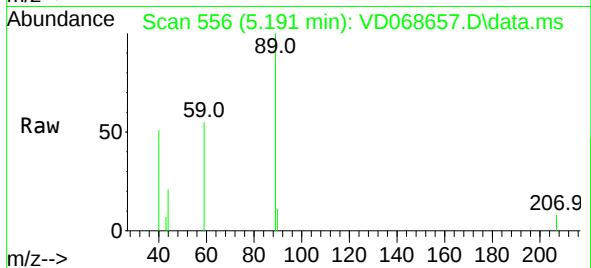
Acq: 18 Mar 2021 16:34

Tgt Ion: 59 Resp: 4886

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 13.81 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.005 min

Lab File: VD068657.D

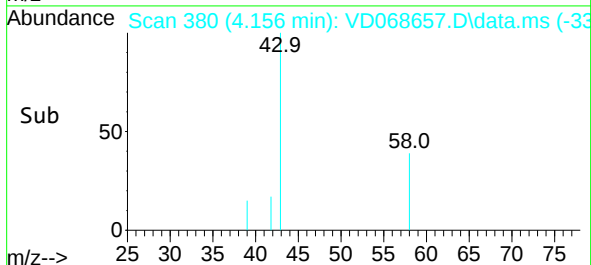
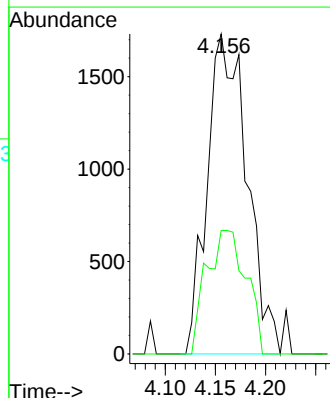
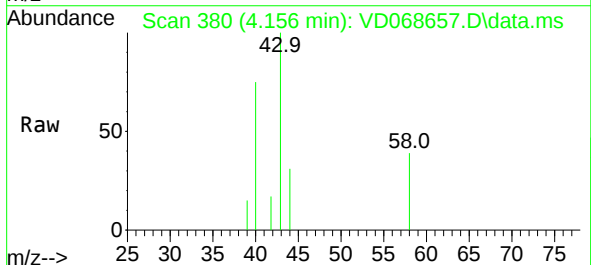
Acq: 18 Mar 2021 16:34

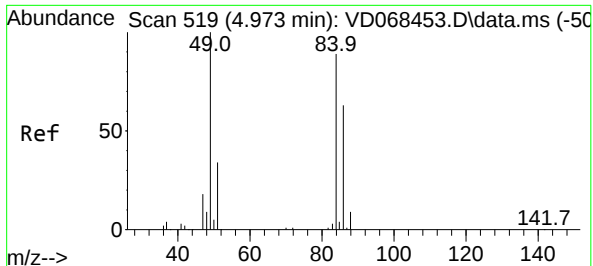
Tgt Ion: 43 Resp: 4769

Ion Ratio Lower Upper

43 100

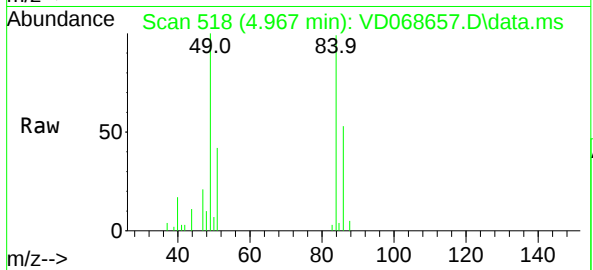
58 38.5 24.2 36.4#



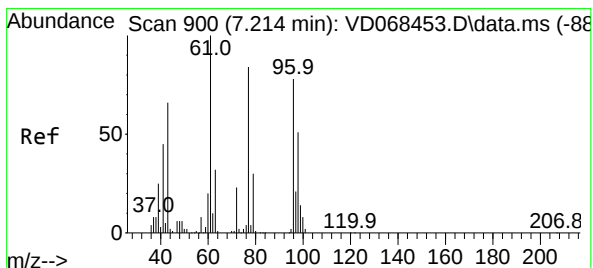
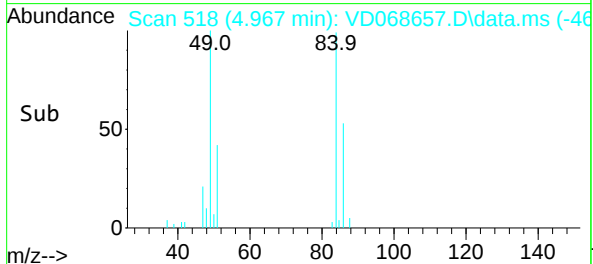
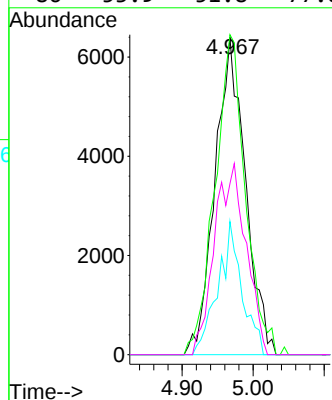


#20
Methylene Chloride
Concen: 3.49 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Instrument :
MSVOA_D
ClientSampleId :

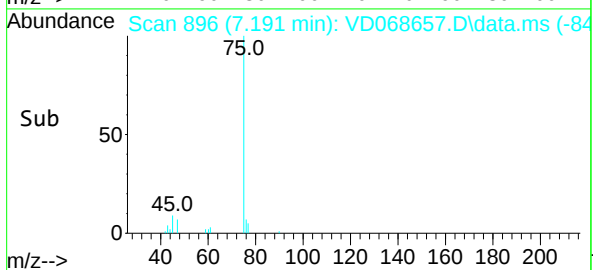
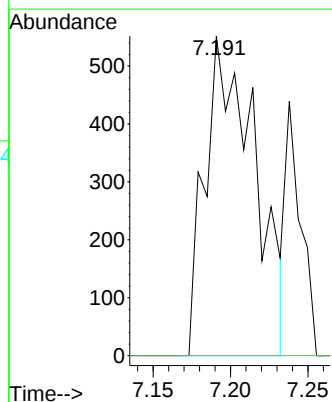
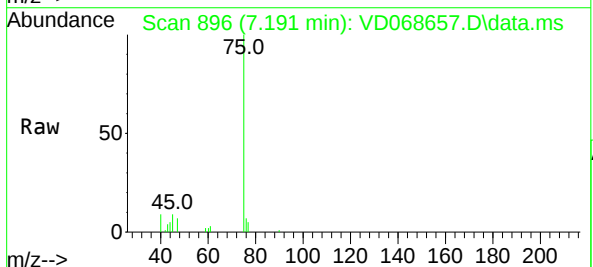


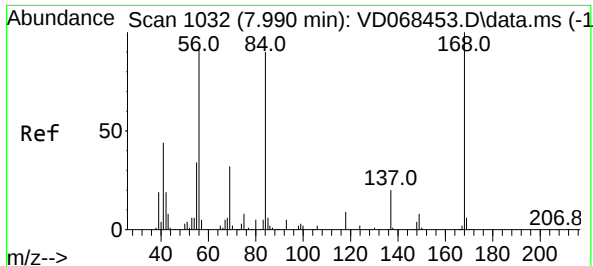
Tgt Ion:	84	Resp:	19011
Ion	Ratio	Lower	Upper
84	100		
49	100.8	77.4	116.2
51	42.0	26.1	39.1#
86	53.9	51.8	77.8



#25
2-Butanone
Concen: 2.46 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.023 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Tgt Ion:	43	Resp:	1222
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#





#31

Cyclohexane

Concen: 1.30 ug/l

RT: 7.985 min Scan# 1031

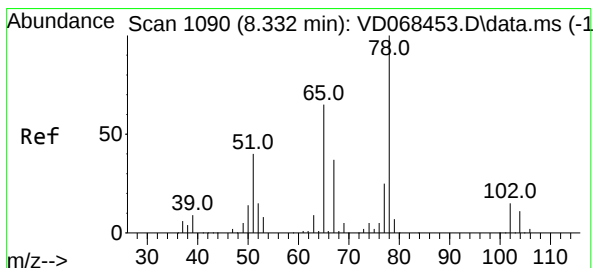
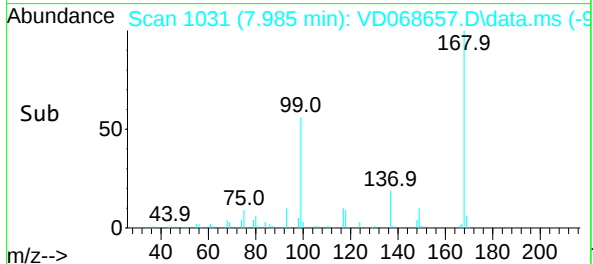
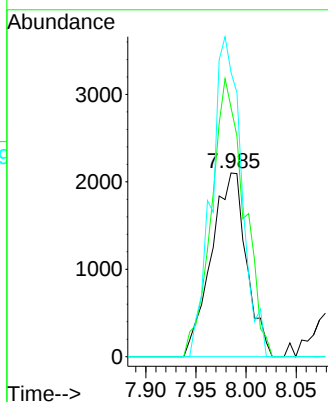
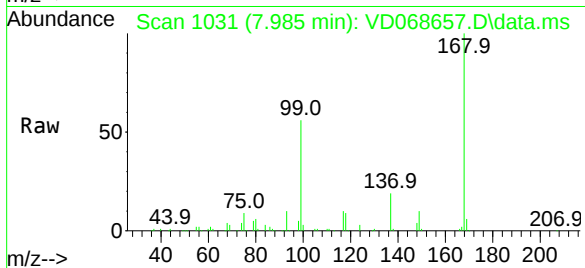
Delta R.T. -0.006 min

Lab File: VD068657.D

Acq: 18 Mar 2021 16:34

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	56	Resp:	5138
Ion	Ratio	Lower	Upper
56	100		
69	135.7	30.1	45.1#
84	154.8	82.1	123.1#



#33

1,2-Dichloroethane-d4

Concen: 58.74 ug/l

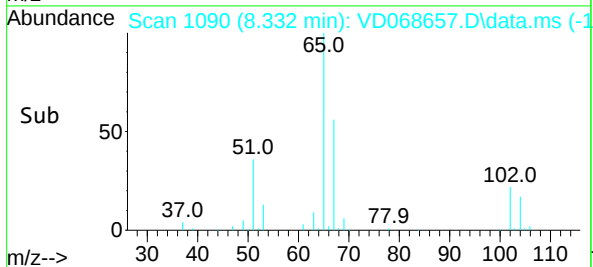
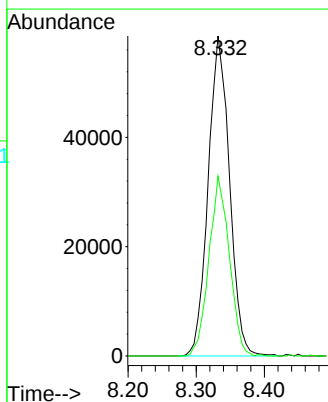
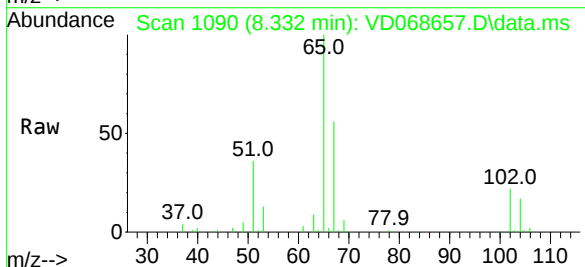
RT: 8.332 min Scan# 1090

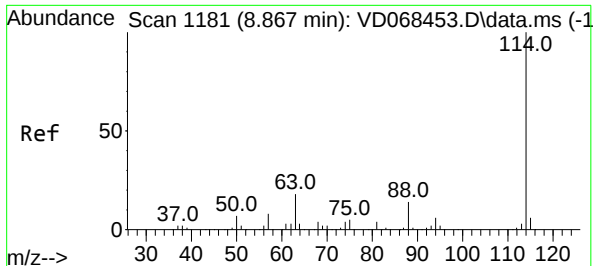
Delta R.T. 0.000 min

Lab File: VD068657.D

Acq: 18 Mar 2021 16:34

Tgt Ion:	65	Resp:	127669
Ion	Ratio	Lower	Upper
65	100		
67	53.8	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: VD068657.D

Acq: 18 Mar 2021 16:34

Tgt Ion:114 Resp: 411573

Ion Ratio Lower Upper

114 100

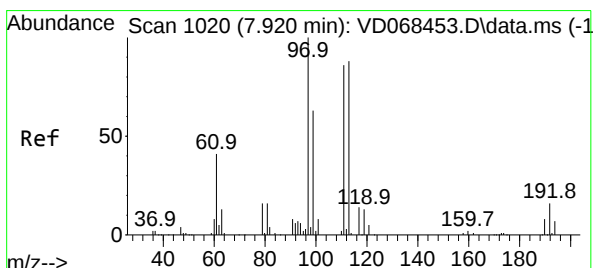
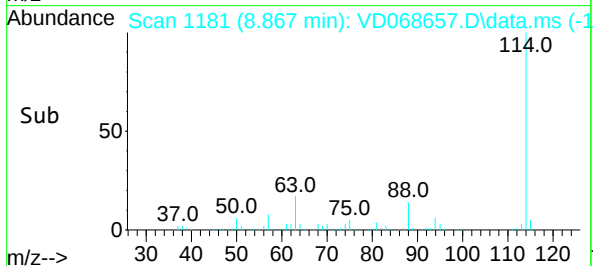
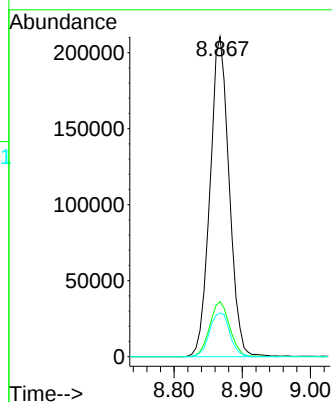
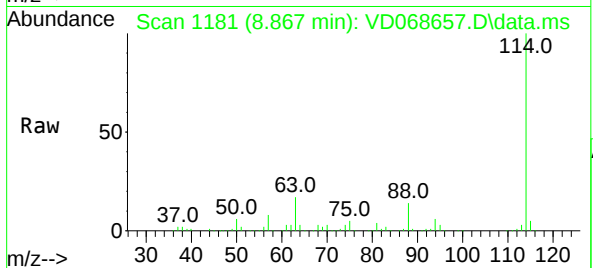
63 17.3 0.0 34.8

88 13.7 0.0 31.6

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 45.08 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068657.D

Acq: 18 Mar 2021 16:34

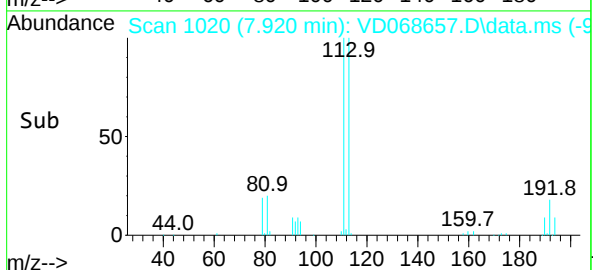
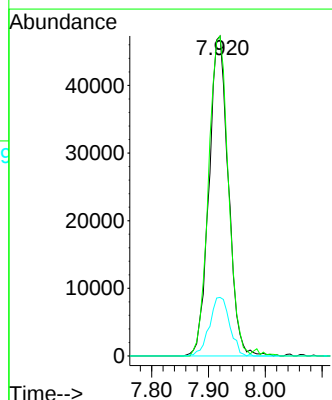
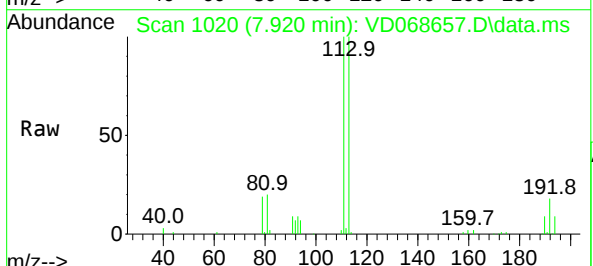
Tgt Ion:113 Resp: 111769

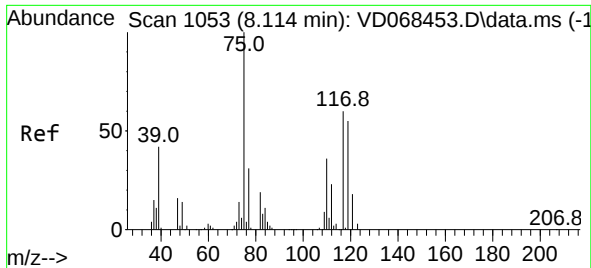
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.2 16.1 24.1

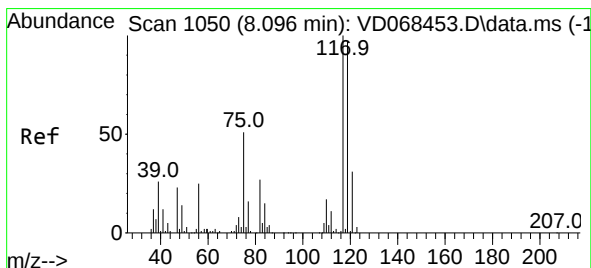
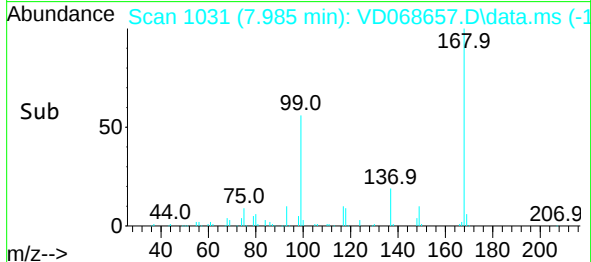
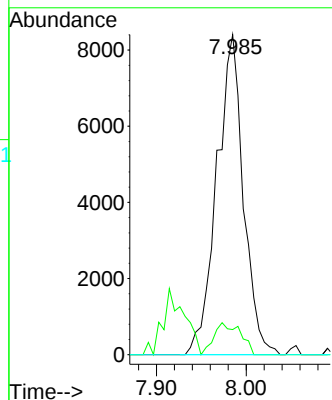
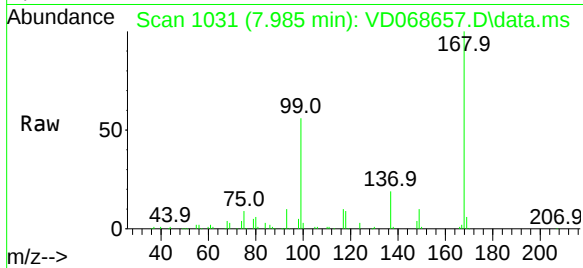




#36
1,1-Dichloropropene
Concen: 4.43 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

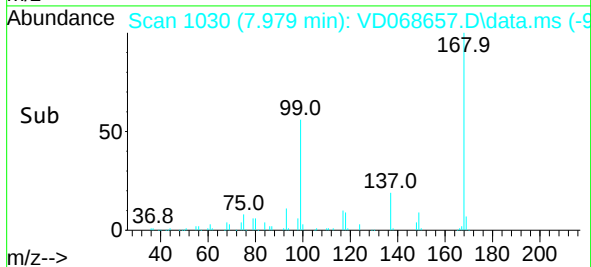
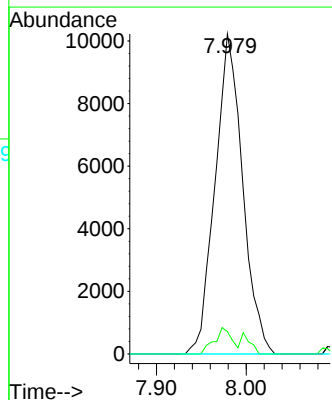
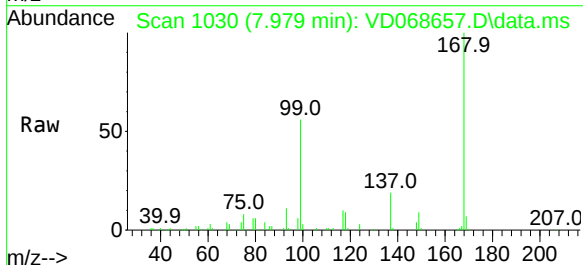
Instrument :
MSVOA_D
ClientSampleId :

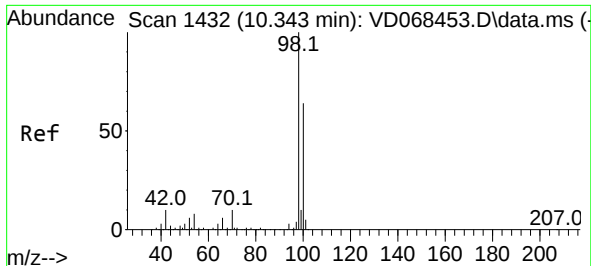
Tgt Ion: 75 Resp: 17345
Ion Ratio Lower Upper
75 100
110 9.9 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Tgt Ion: 117 Resp: 21758
Ion Ratio Lower Upper
117 100
119 7.0 77.3 115.9#
121 0.0 24.7 37.1#

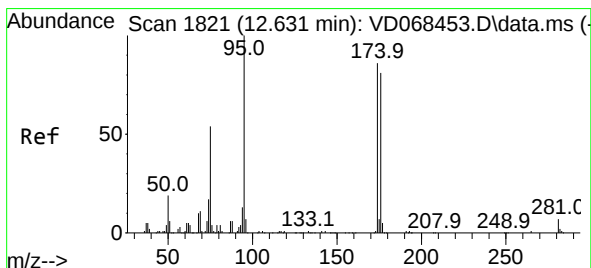
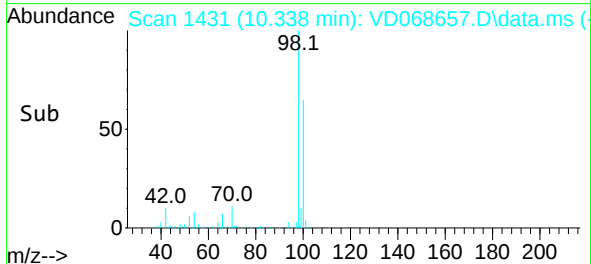
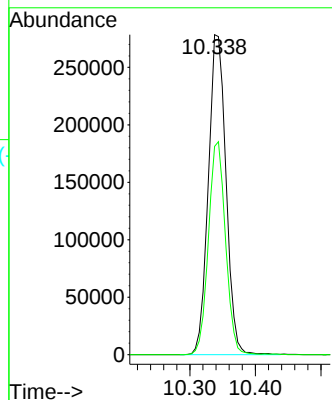
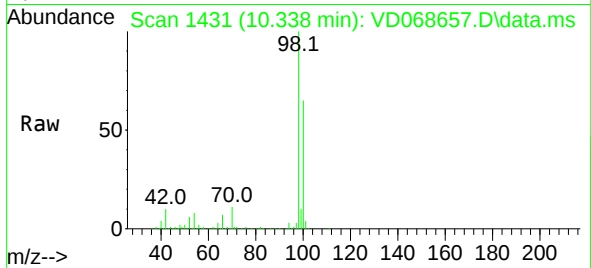




#50
Toluene-d8
Concen: 52.81 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

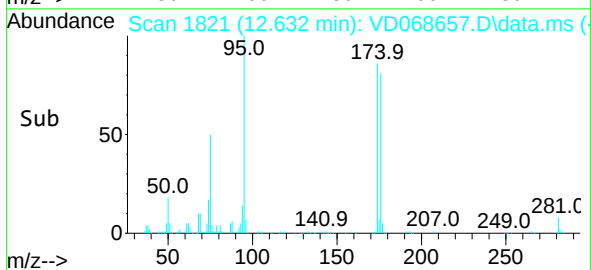
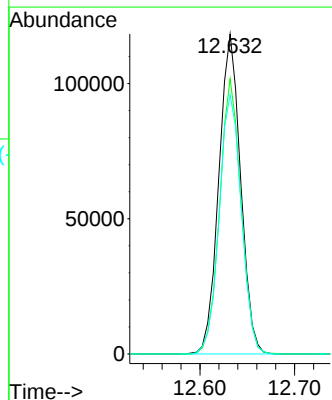
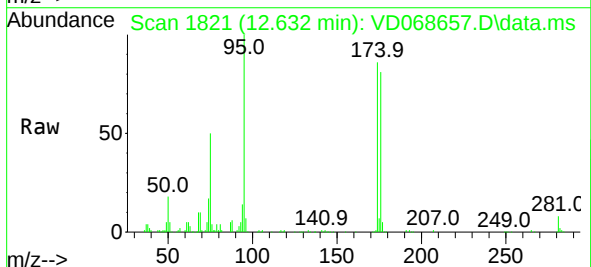
Instrument :
MSVOA_D
ClientSampleId :

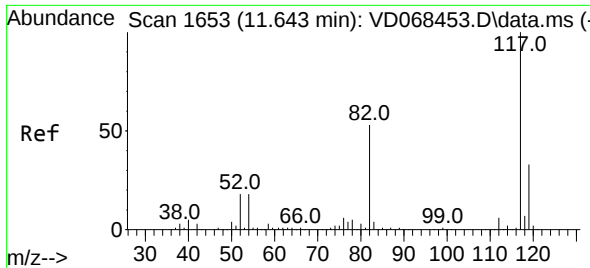
Tgt Ion: 98 Resp: 521488
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 59.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Tgt Ion: 95 Resp: 189060
Ion Ratio Lower Upper
95 100
174 84.3 0.0 172.4
176 82.2 0.0 168.4

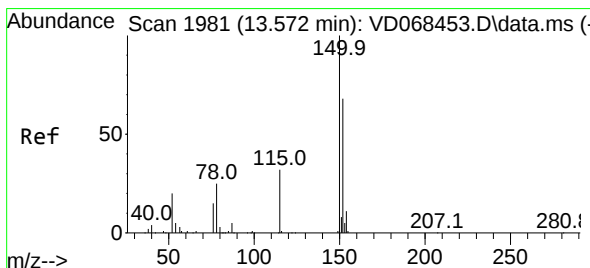
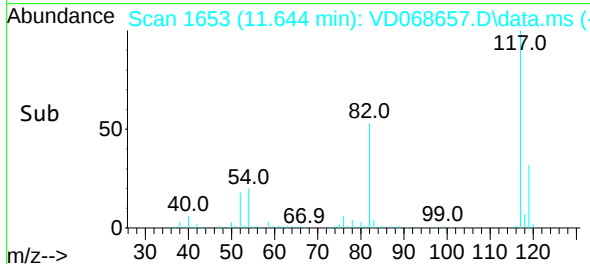
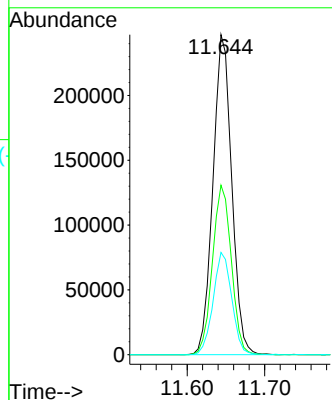
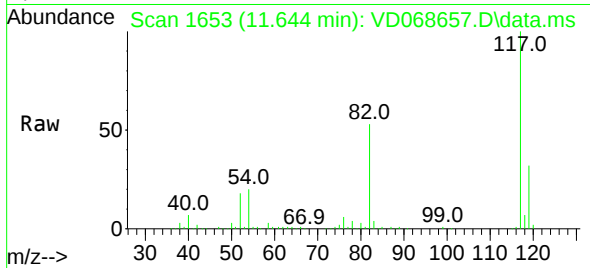




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

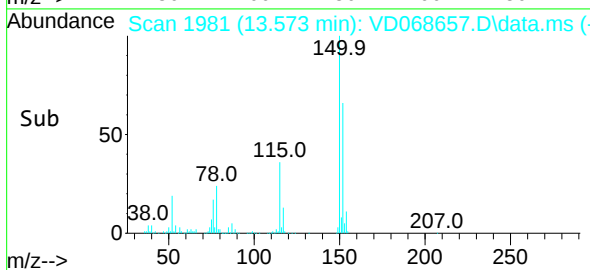
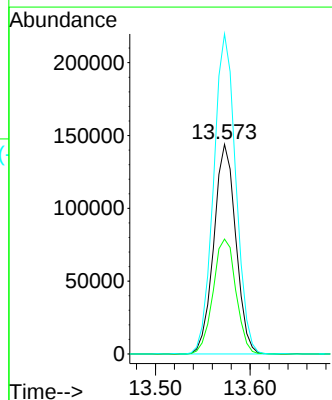
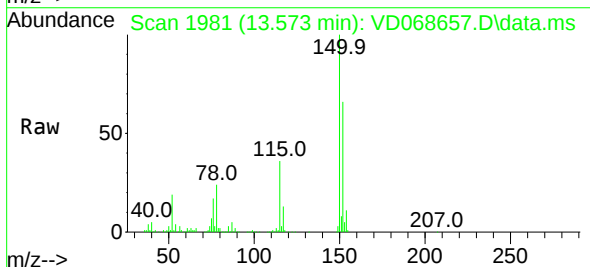
Instrument :
MSVOA_D
ClientSampleId :

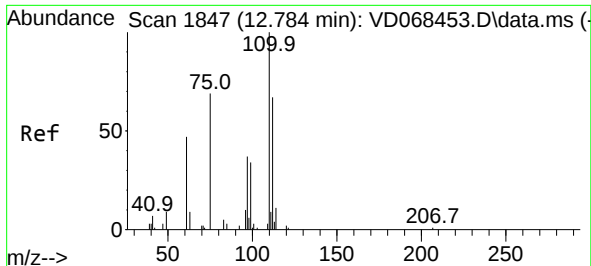
Tgt Ion:117 Resp: 416274
Ion Ratio Lower Upper
117 100
82 53.0 41.4 62.0
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Tgt Ion:152 Resp: 232261
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.8
150 154.2 0.0 344.4

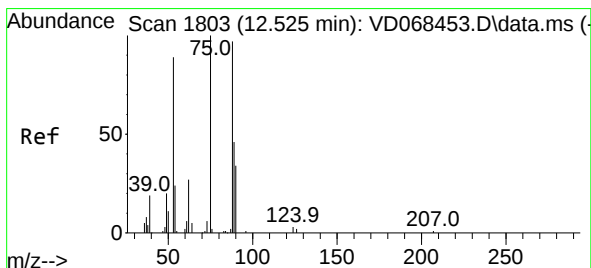
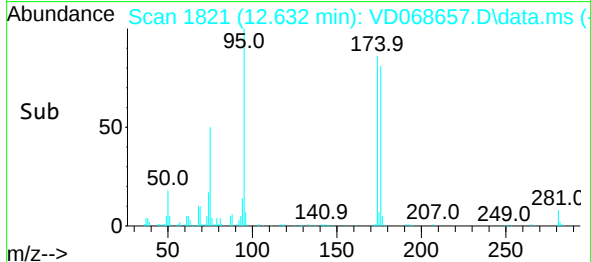
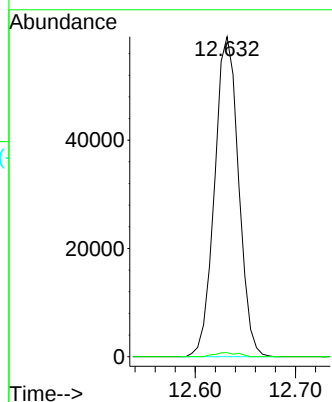
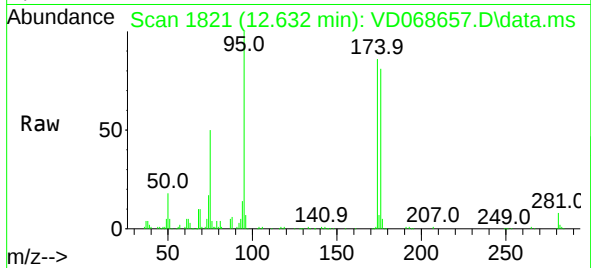




#76
1,2,3-Trichloropropane
Concen: 47.65 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 98258
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068657.D
Acq: 18 Mar 2021 16:34

Tgt Ion: 75 Resp: 98258
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.1 40.3 60.5#

