

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068593.D
 Acq On : 11 Mar 2021 18:58
 Operator : VA/SY
 Sample : M1649-01
 Misc : 6.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 12 00:14:55 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	517500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	902121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	890259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	492507	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	253329	48.99	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.98%
35) Dibromofluoromethane	7.920	113	273593	50.34	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.68%
50) Toluene-d8	10.338	98	1112224	51.38	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.76%
62) 4-Bromofluorobenzene	12.632	95	403149	57.79	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.58%

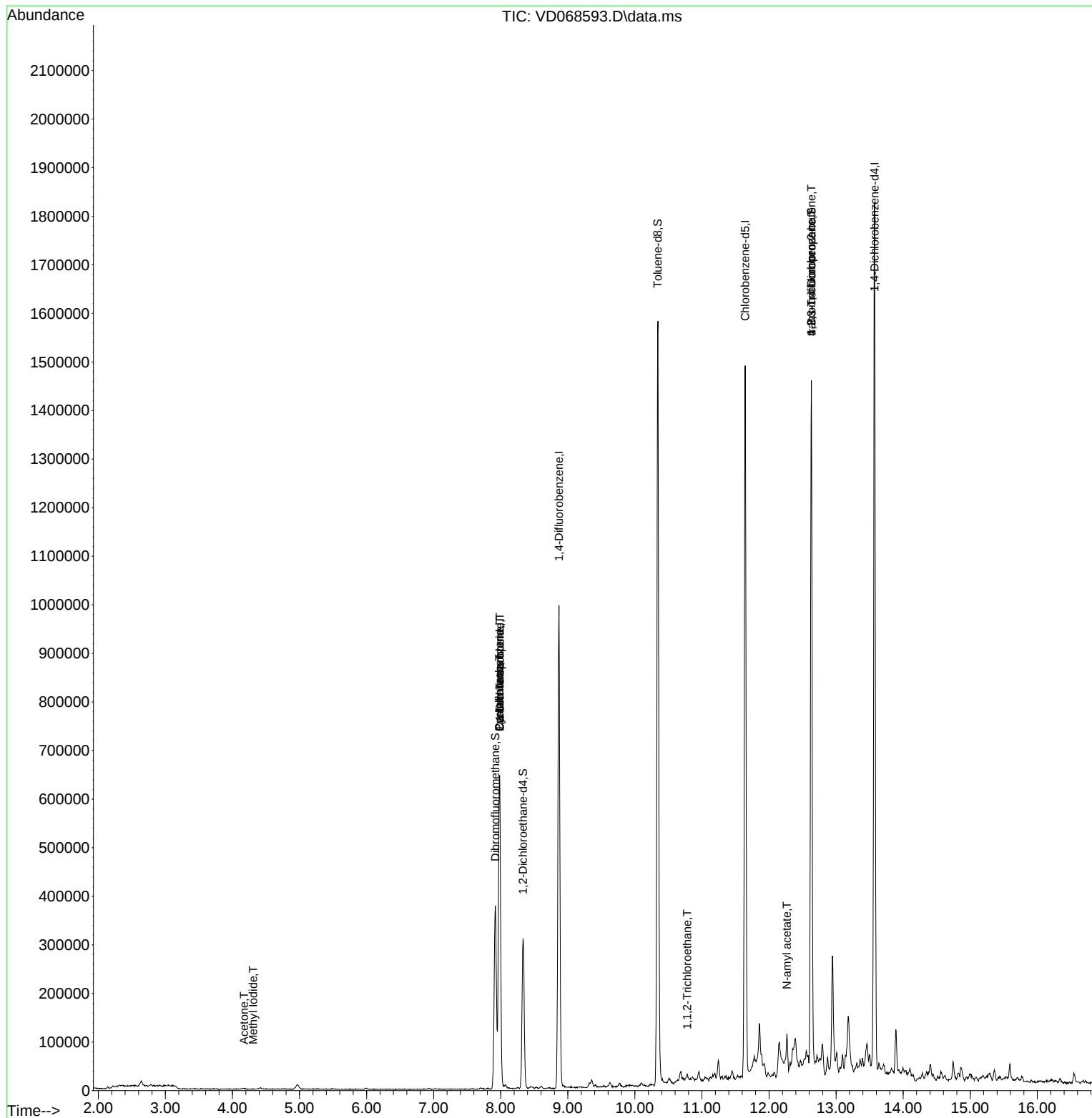
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	234	2.65	ug/l #	38
16) Acetone	4.173	43	3021	3.68	ug/l #	79
20) Methylene Chloride	4.967	84	7352	Below Cal		90
31) Cyclohexane	7.979	56	10326	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	36525	4.26	ug/l #	49
38) Carbon Tetrachloride	7.985	117	49762	6.18	ug/l #	15
55) 1,1,2-Trichloroethane	10.779	97	5982	1.35	ug/l #	31
74) N-amyl acetate	12.267	43	15972	2.57	ug/l #	73
76) 1,2,3-Trichloropropane	12.632	75	207132	47.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	207132	110.55	ug/l #	14

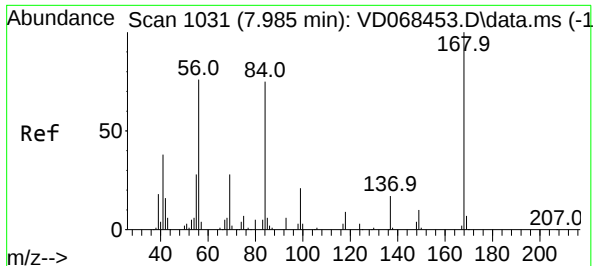
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

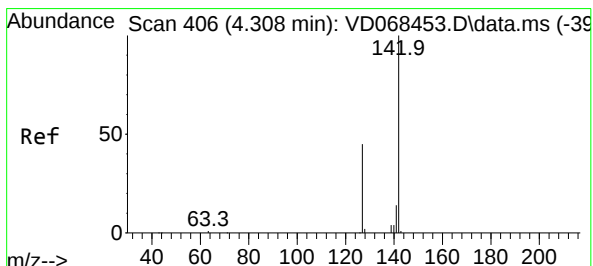
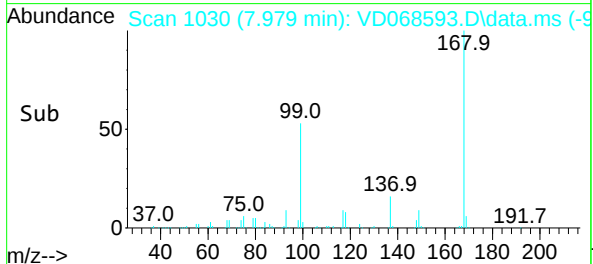
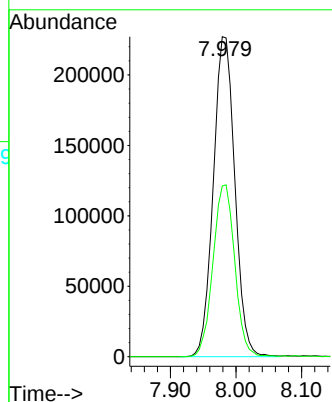
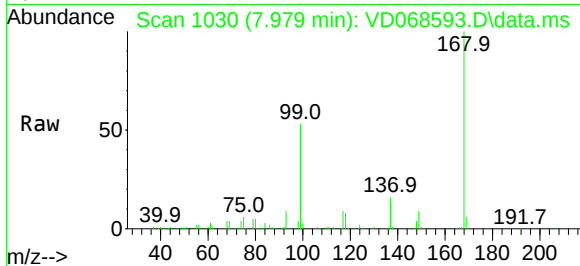




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

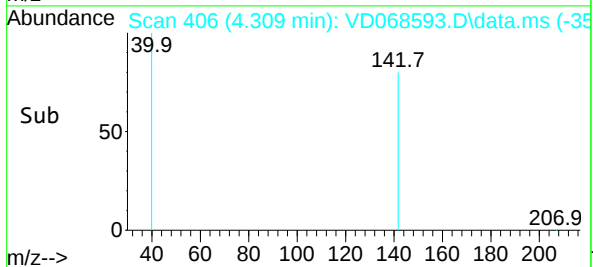
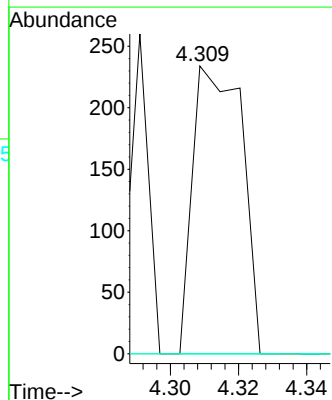
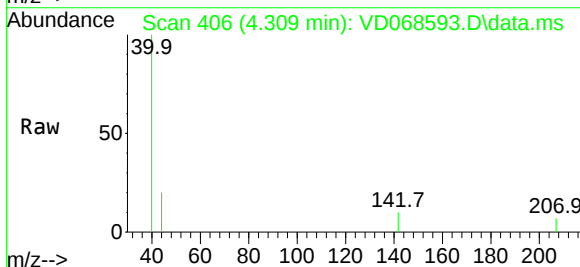
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MSVOA_D
ClientSampleId :

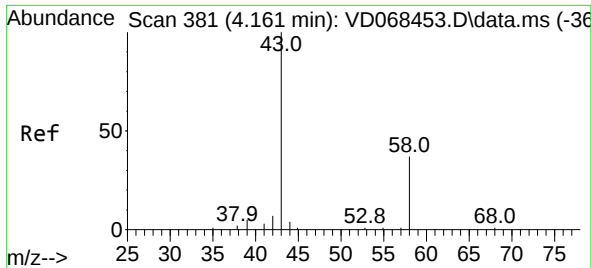
Tgt Ion:168 Resp: 517500
Ion Ratio Lower Upper
168 100
99 53.4 43.5 65.3



#10
Methyl Iodide
Concen: 2.65 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

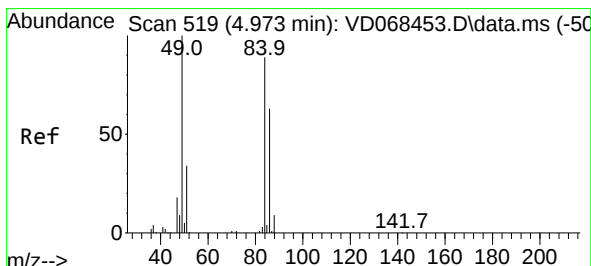
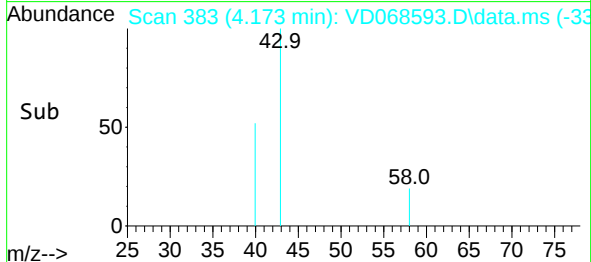
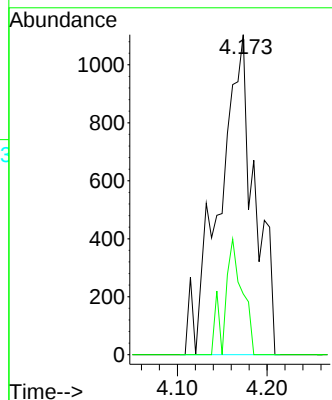
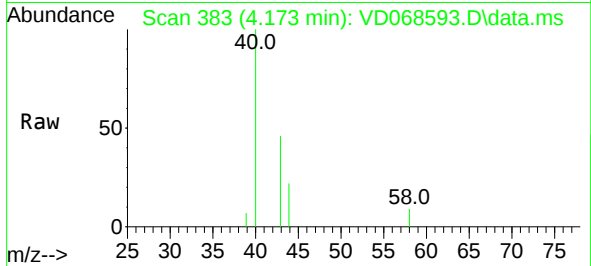




#16
Acetone
Concen: 3.68 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

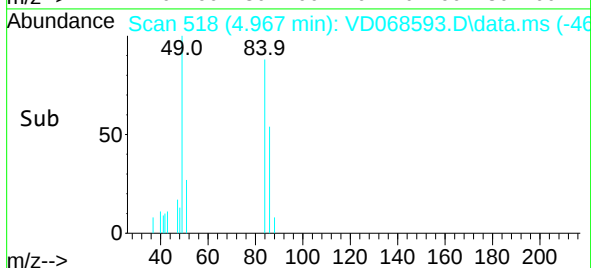
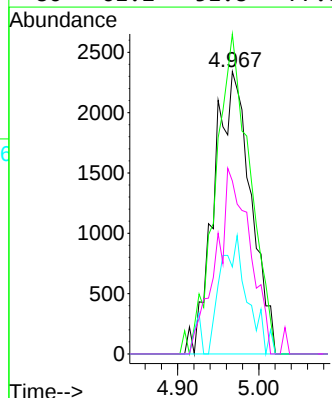
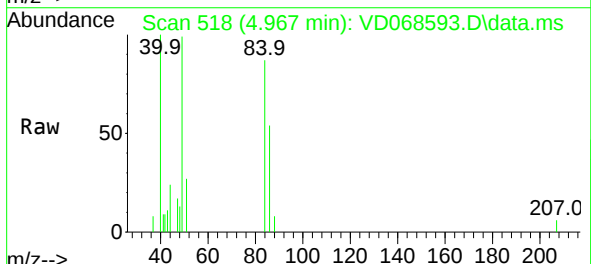
Instrument :
MSVOA_D
ClientSampled :

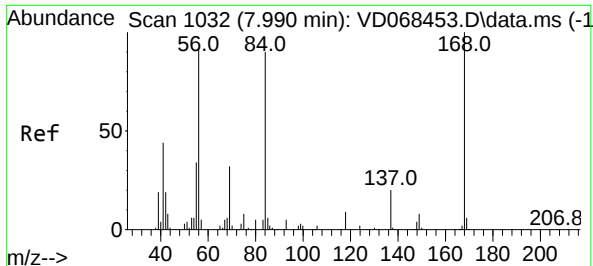
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 19.0 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

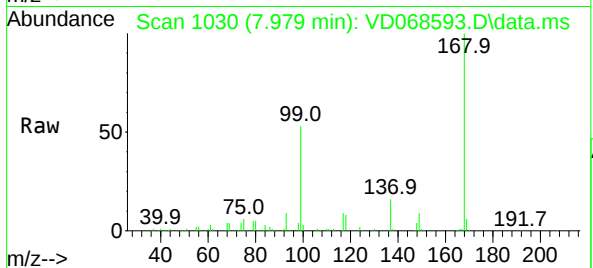
Tgt Ion: 84 Resp: 7352
Ion Ratio Lower Upper
84 100
49 113.3 77.4 116.2
51 30.8 26.1 39.1
86 61.2 51.8 77.8



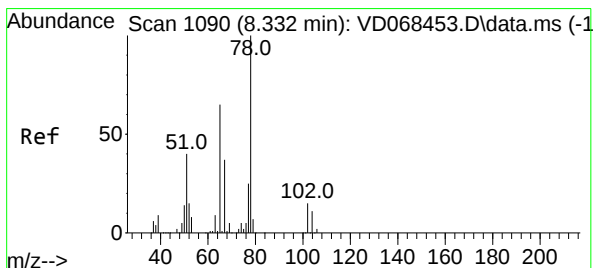
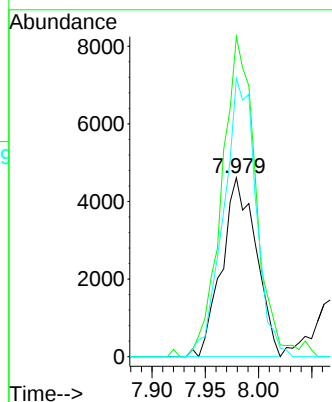
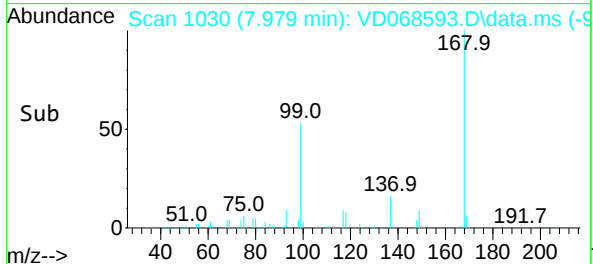


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

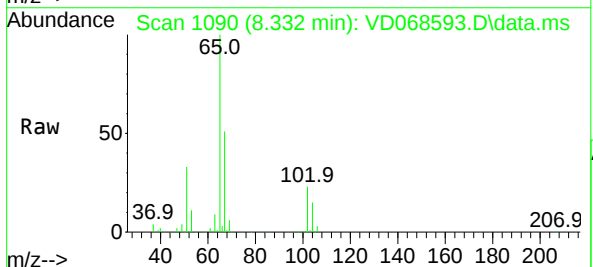
Instrument :
MSVOA_D
ClientSampleId :



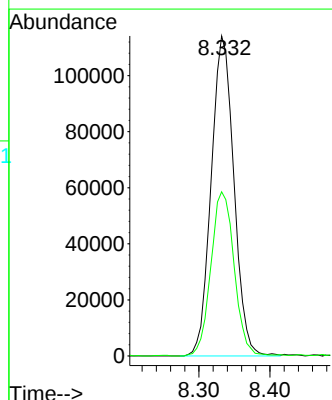
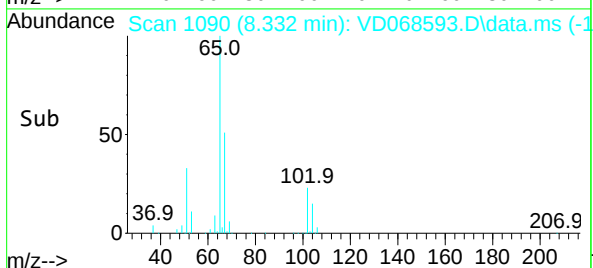
Tgt Ion: 56 Resp: 10326
Ion Ratio Lower Upper
56 100
69 178.9 30.1 45.1#
84 155.6 82.1 123.1#

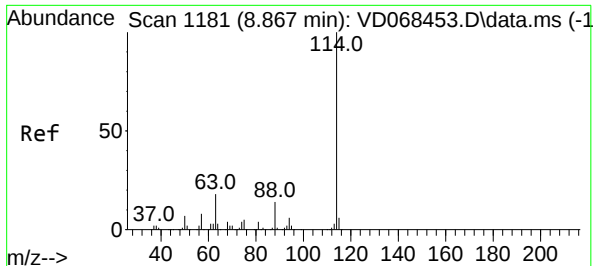


#33
1,2-Dichloroethane-d4
Concen: 48.99 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58



Tgt Ion: 65 Resp: 253329
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



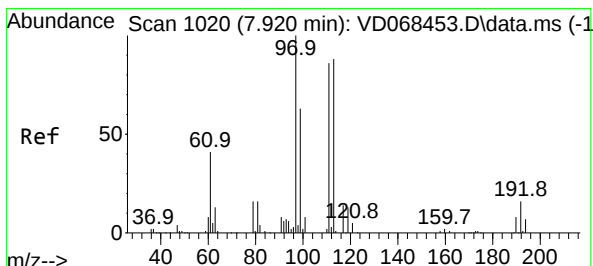
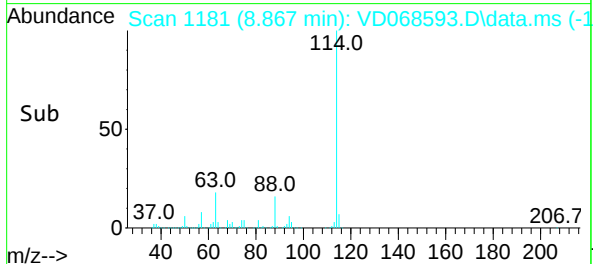
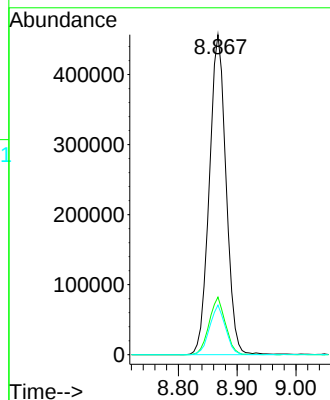
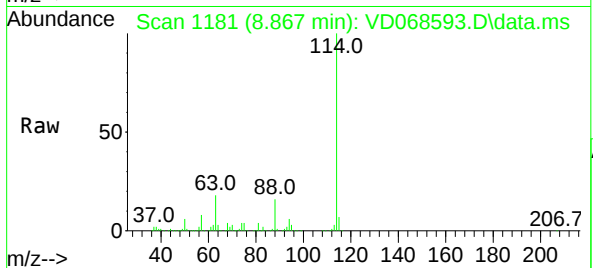


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Instrument :
MSVOA_D
ClientSampled :

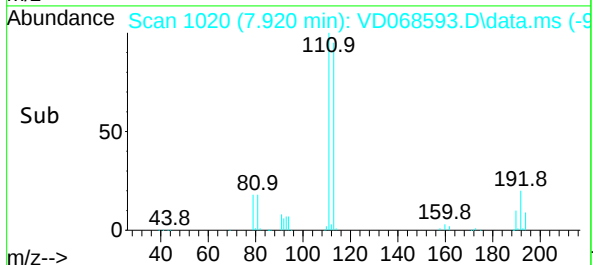
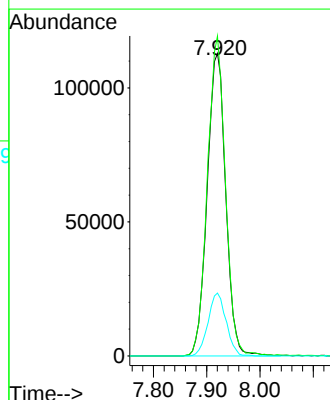
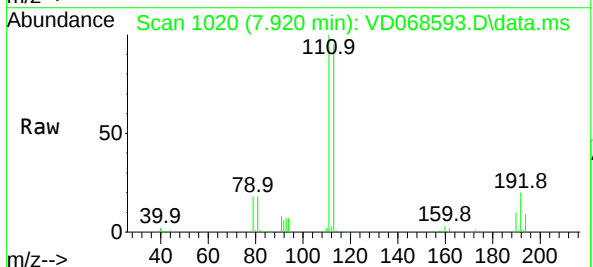
Tgt Ion:	114	Resp:	902121
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.8
88	15.5	0.0	31.6

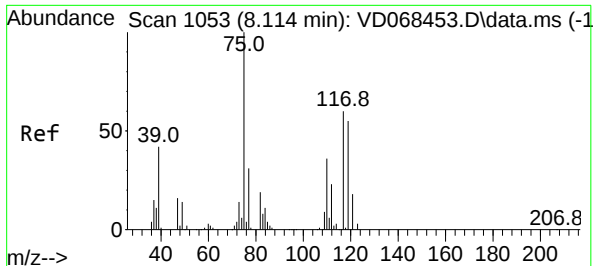


#35

Dibromofluoromethane
Concen: 50.34 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion:	113	Resp:	273593
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	20.3	16.1	24.1

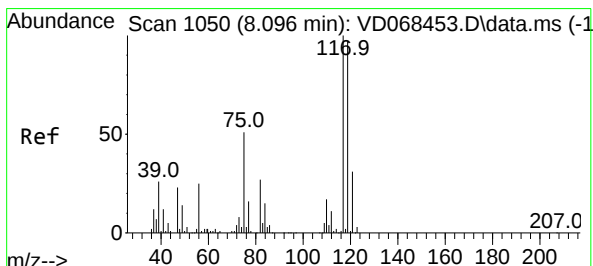
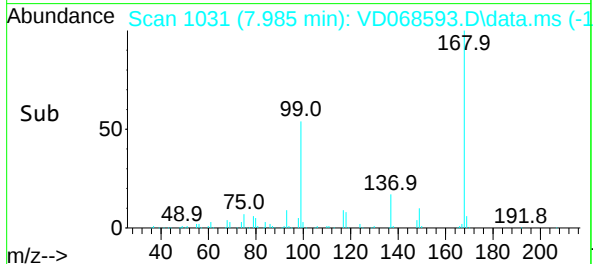
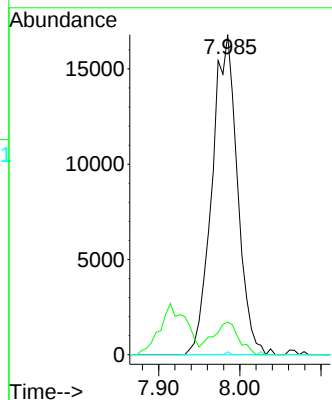
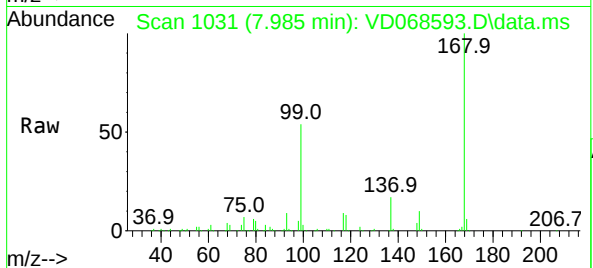




#36
1,1-Dichloropropene
Concen: 4.26 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

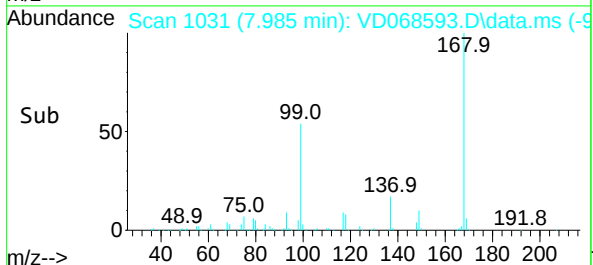
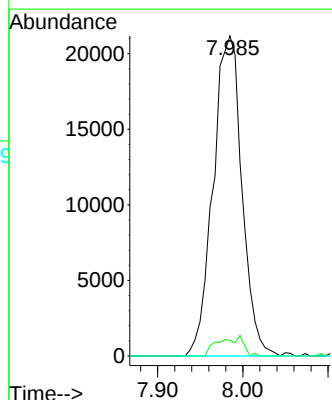
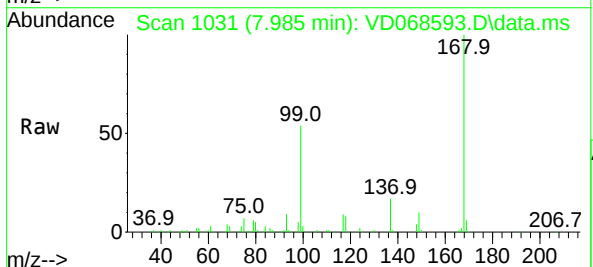
Instrument :
MSVOA_D
ClientSampled :

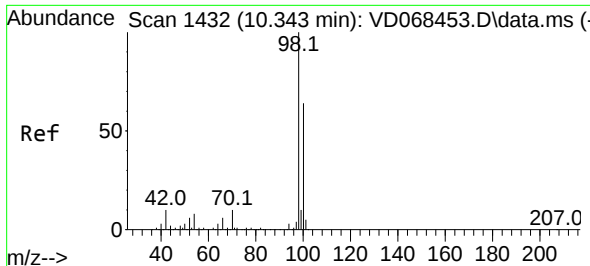
Tgt Ion: 75 Resp: 36525
Ion Ratio Lower Upper
75 100
110 10.4 19.4 58.2#
77 0.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.111 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion: 117 Resp: 49762
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.7 37.1#

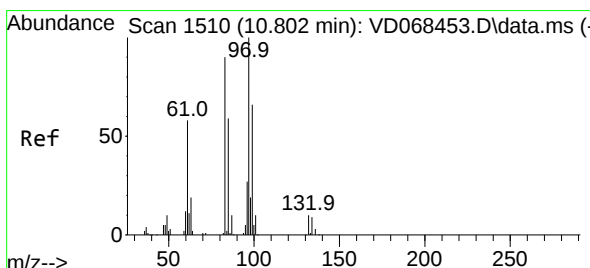
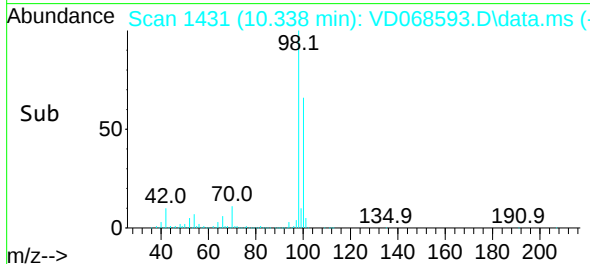
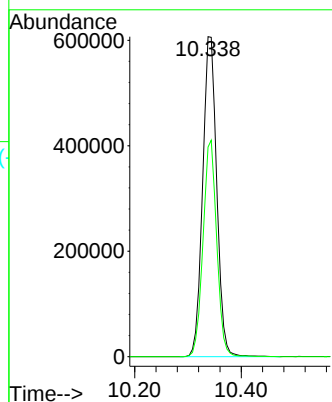
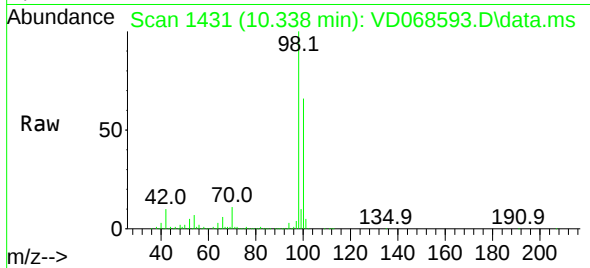




#50
Toluene-d8
Concen: 51.38 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

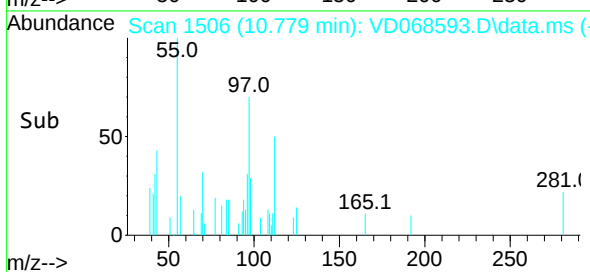
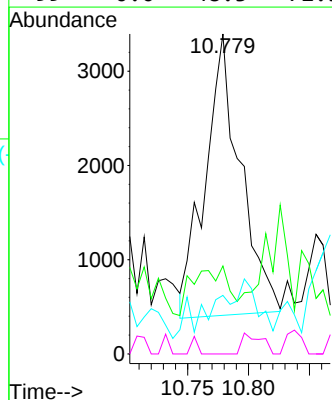
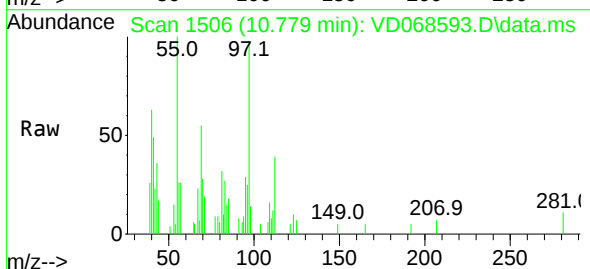
Instrument :
MSVOA_D
ClientSampled :

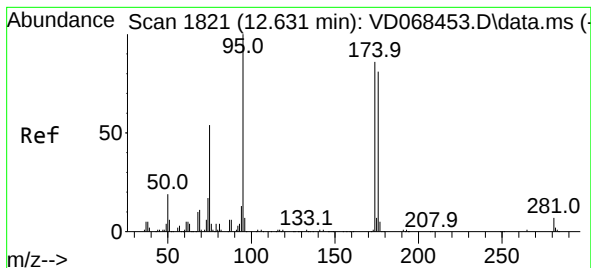
Tgt Ion: 98 Resp: 1112224
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.35 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion: 97 Resp: 5982
Ion Ratio Lower Upper
97 100
83 18.0 61.8 92.6#
85 12.5 42.2 63.2#
99 0.0 48.3 72.5#

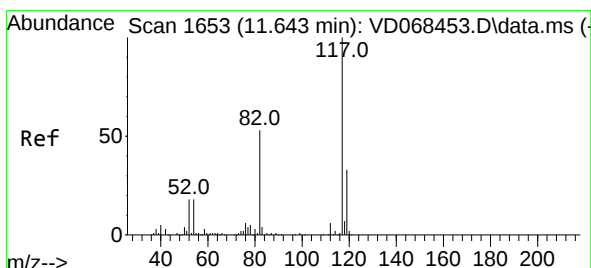
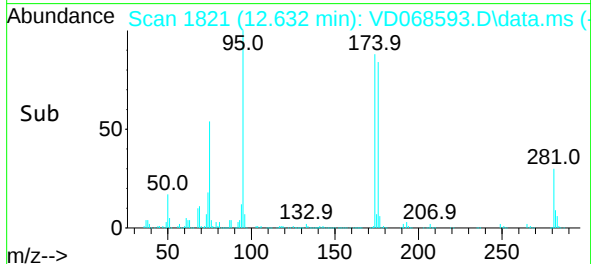
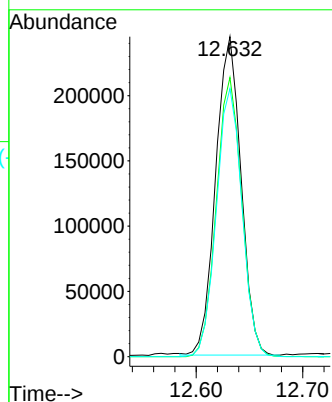
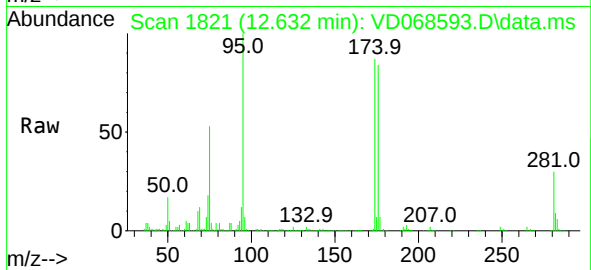




#62
4-Bromofluorobenzene
Concen: 57.79 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

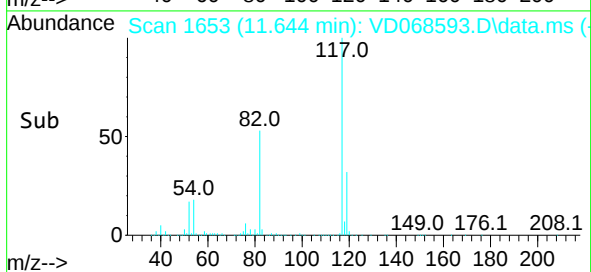
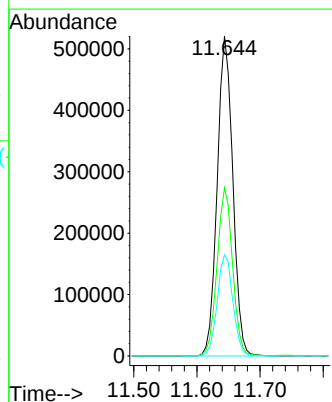
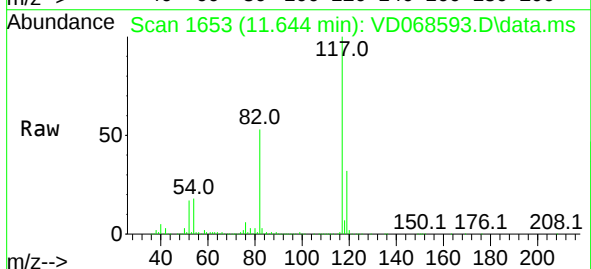
Instrument :
MSVOA_D
ClientSampleId :

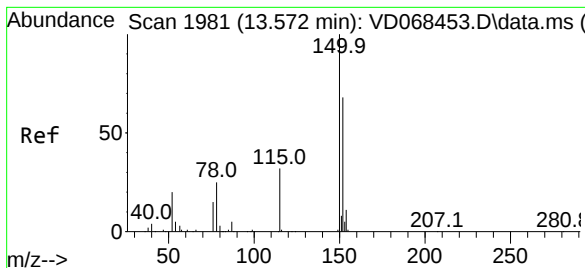
Tgt Ion: 95 Resp: 403149
Ion Ratio Lower Upper
95 100
174 87.9 0.0 172.4
176 85.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion: 117 Resp: 890259
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.0
119 31.6 26.1 39.1

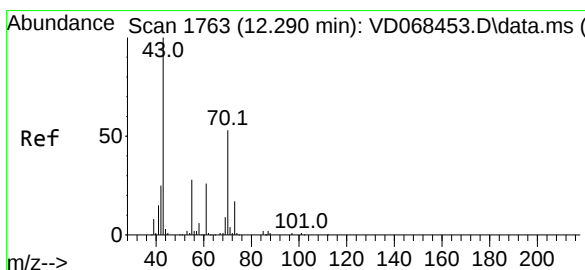
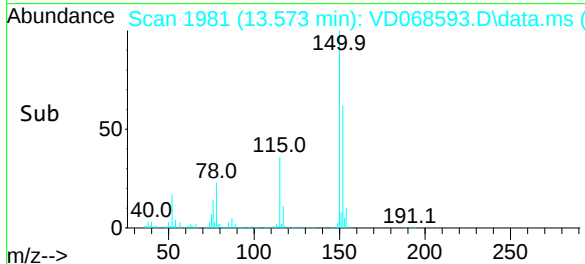
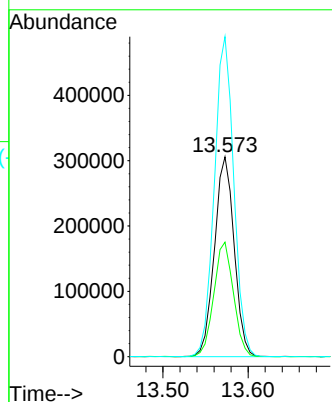
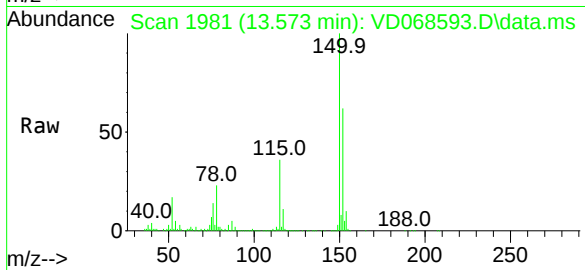




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

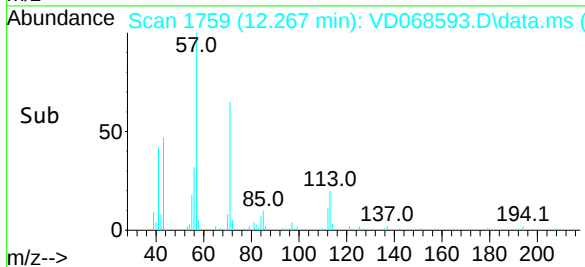
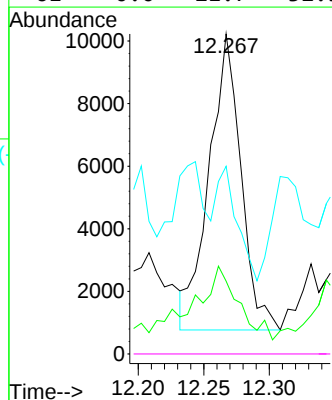
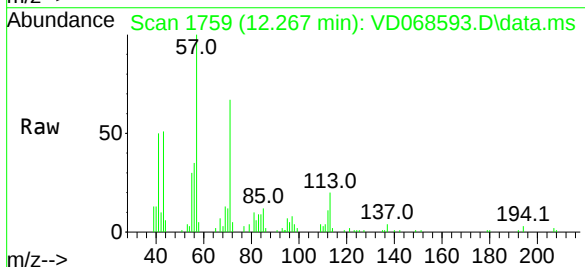
Instrument :
MSVOA_D
ClientSampled :

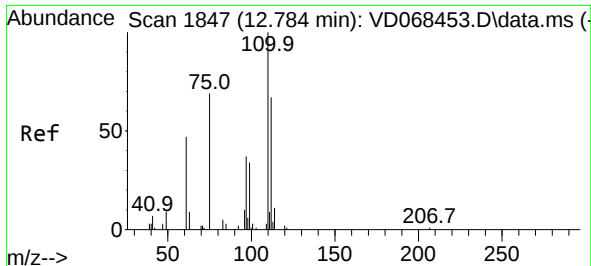
Tgt Ion:152 Resp: 492507
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.8
150 157.7 0.0 344.4



#74
N-ethyl acetate
Concen: 2.57 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion: 43 Resp: 15972
Ion Ratio Lower Upper
43 100
70 35.2 41.8 62.8#
55 25.0 24.2 36.4
61 0.0 21.7 32.5#

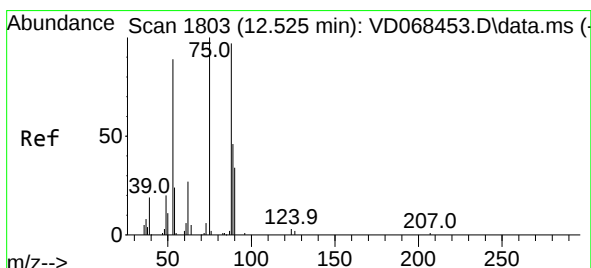
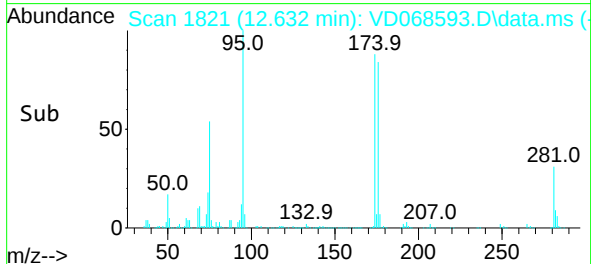
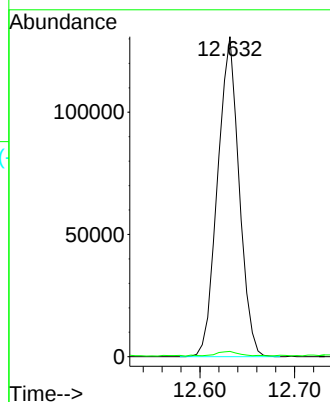
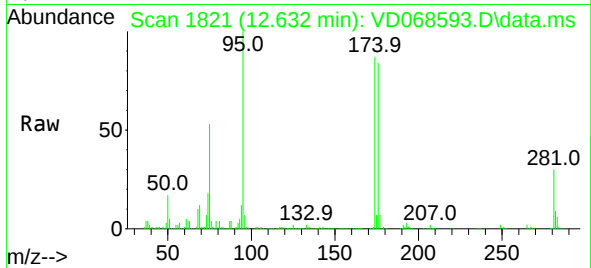




#76
1,2,3-Trichloropropane
Concen: 47.37 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 207132
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068593.D
Acq: 11 Mar 2021 18:58

Tgt Ion: 75 Resp: 207132
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.2#
89 0.1 40.3 60.5#

