

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030321\
 Data File : VD068509.D
 Acq On : 03 Mar 2021 13:28
 Operator : VA/SY
 Sample : M1543-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 00:03:11 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)

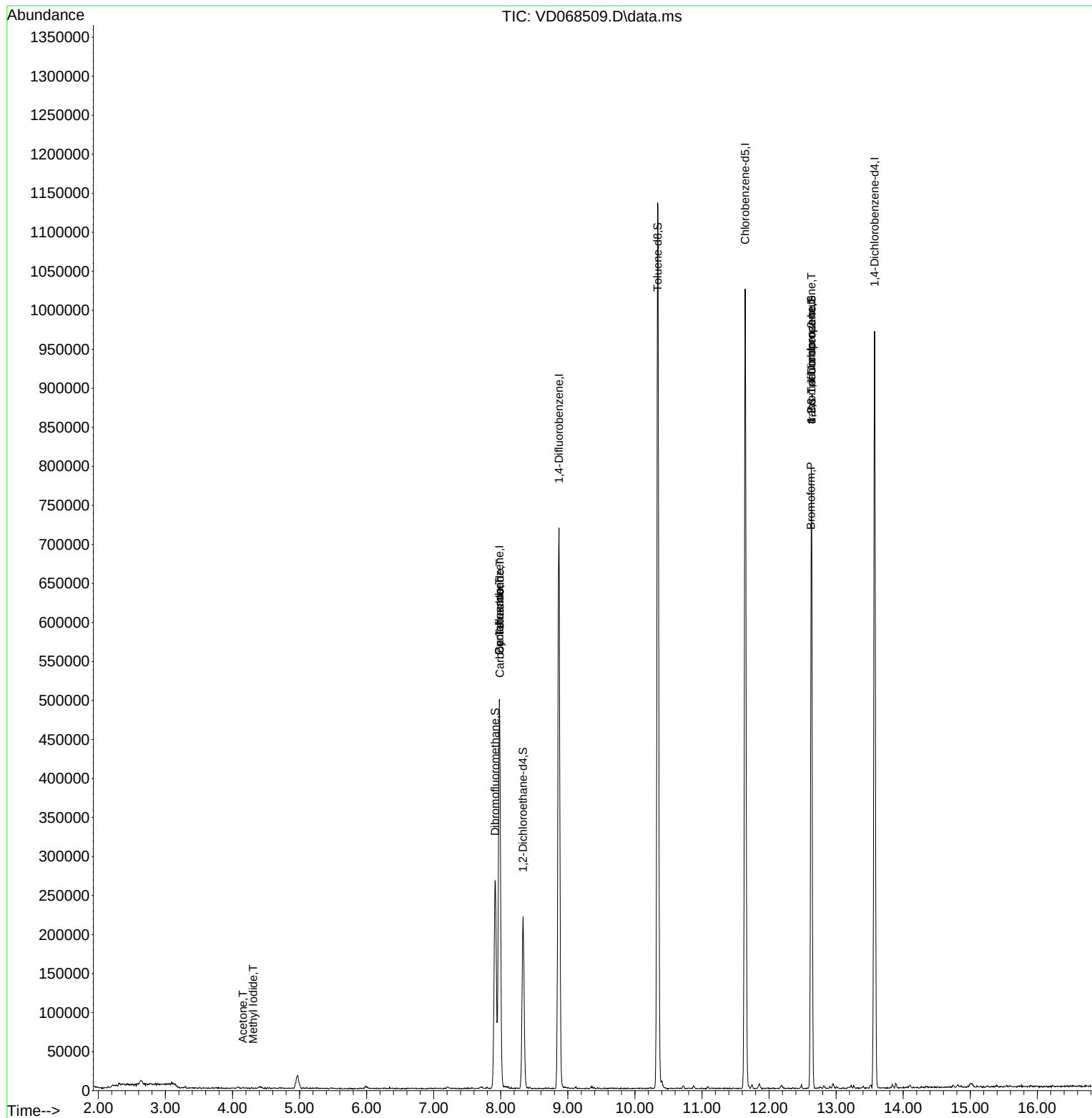
Internal Standards						
1) Pentafluorobenzene	7.979	168	377608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	656977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	617475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	271962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	169605	44.95	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.90%		
35) Dibromofluoromethane	7.914	113	196746	49.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.42%		
50) Toluene-d8	10.338	98	827063	52.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.94%		
62) 4-Bromofluorobenzene	12.632	95	254876	50.17	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.34%		
Target Compounds						
10) Methyl Iodide	4.309	142	505	2.72	ug/l #	64
16) Acetone	4.156	43	978	1.63	ug/l #	44
20) Methylene Chloride	4.967	84	13511	Below Cal		92
31) Cyclohexane	7.979	56	9001	1.31	ug/l #	1
38) Carbon Tetrachloride	7.985	117	37676	6.42	ug/l #	19
71) Bromoform	12.626	173	2264	1.02	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	127061	52.63	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	127061	122.81	ug/l #	13

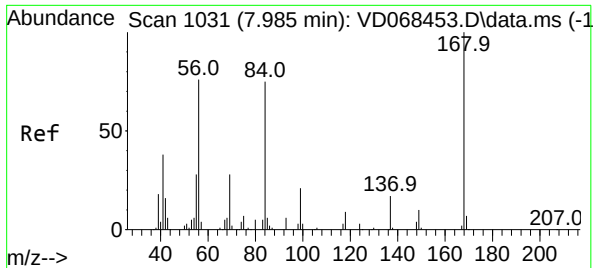
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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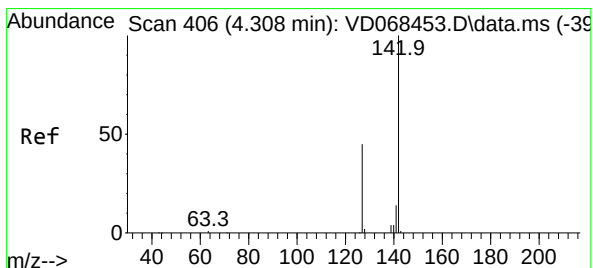
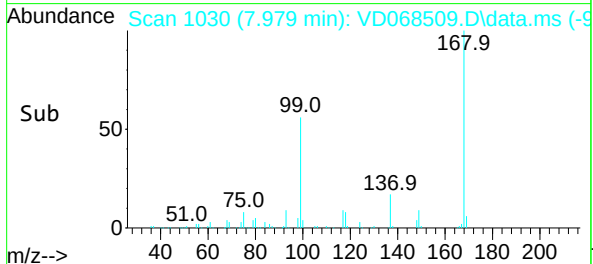
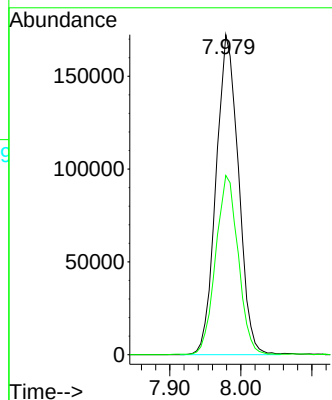
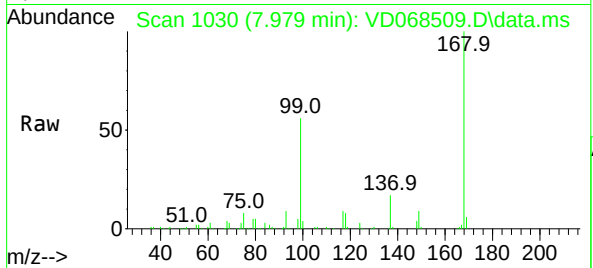




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

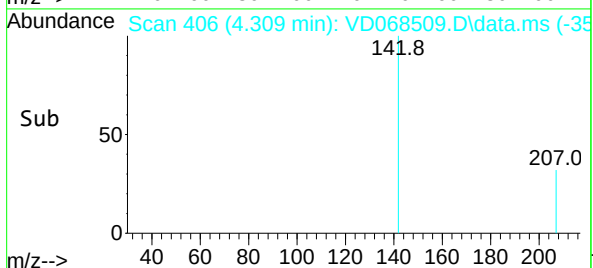
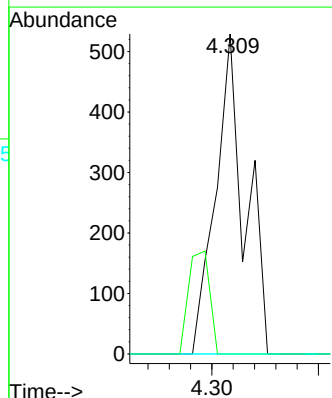
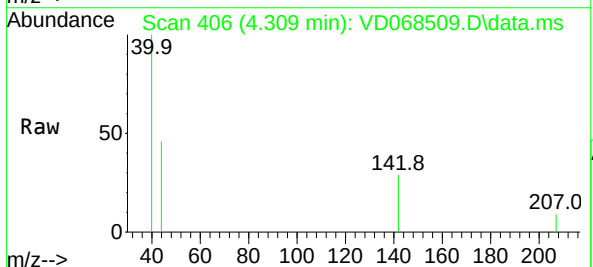
Instrument :
MSVOA_D
ClientSampleId :

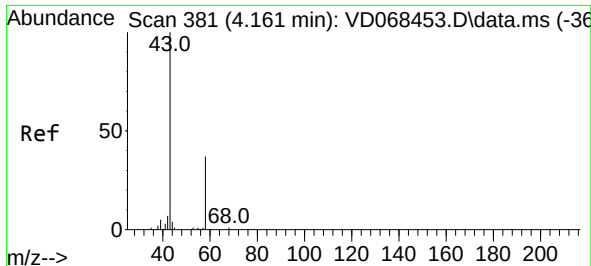
Tgt Ion:168 Resp: 377608
Ion Ratio Lower Upper
168 100
99 55.9 43.5 65.3



#10
Methyl Iodide
Concen: 2.72 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Tgt Ion:142 Resp: 505
Ion Ratio Lower Upper
142 100
127 23.2 37.9 56.9#
141 0.0 11.5 17.3#

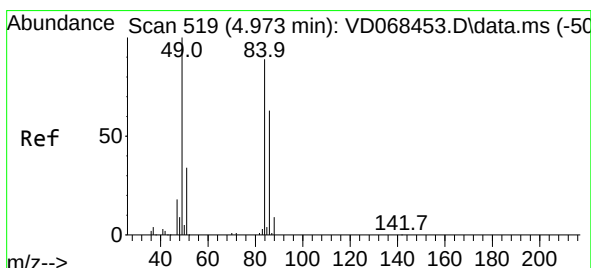
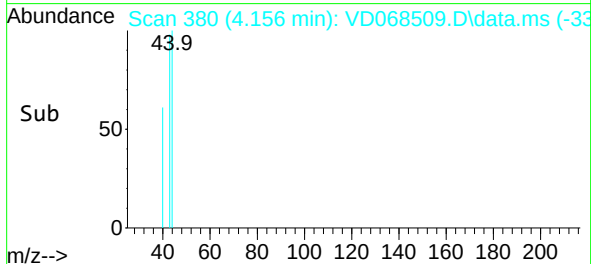
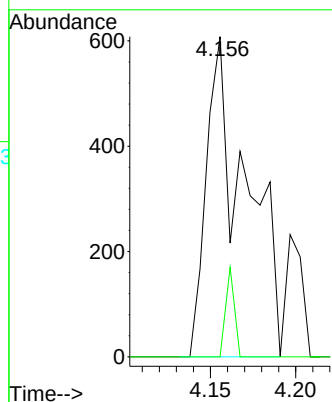
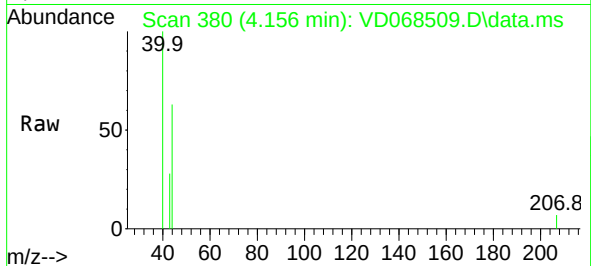




#16
Acetone
Concen: 1.63 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

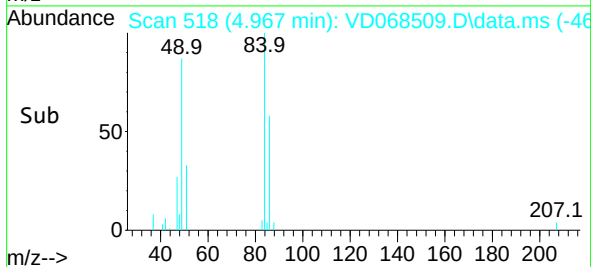
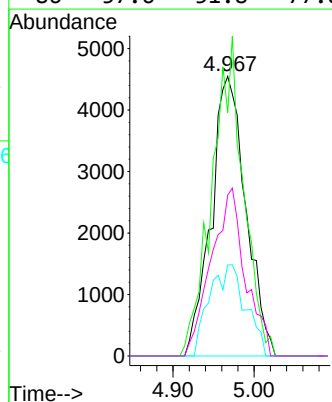
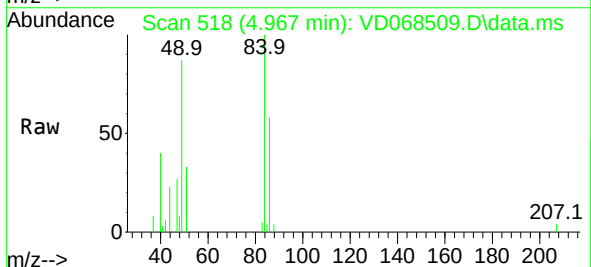
Instrument :
MSVOA_D
ClientSampled :

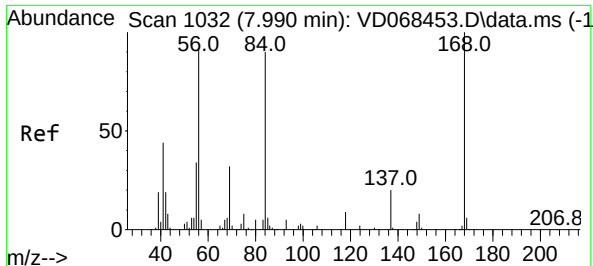
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

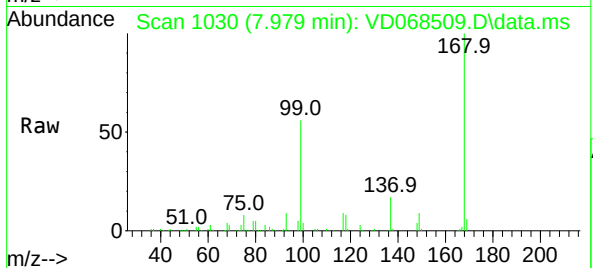
Tgt Ion: 84 Resp: 13511
Ion Ratio Lower Upper
84 100
49 87.1 77.4 116.2
51 32.6 26.1 39.1
86 57.6 51.8 77.8



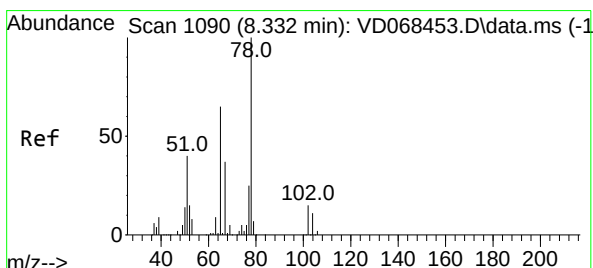
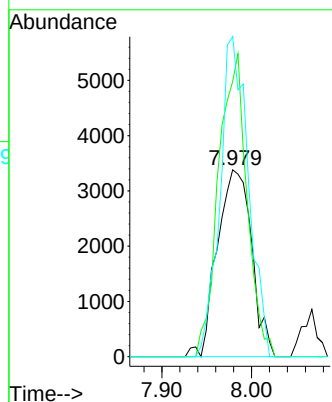
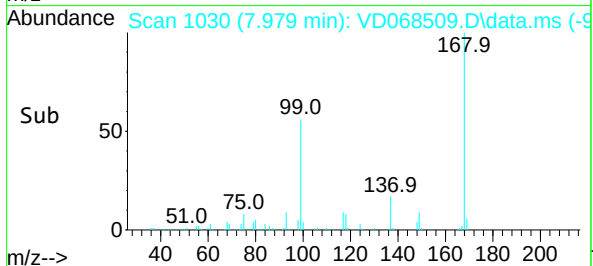


#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

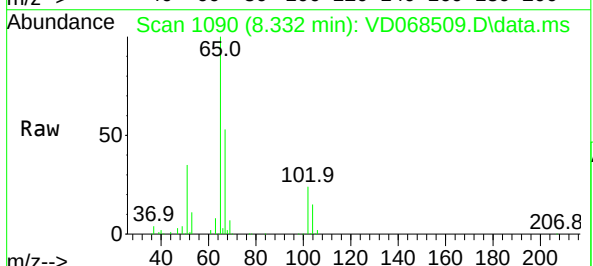
Instrument :
MSVOA_D
ClientSampleId :



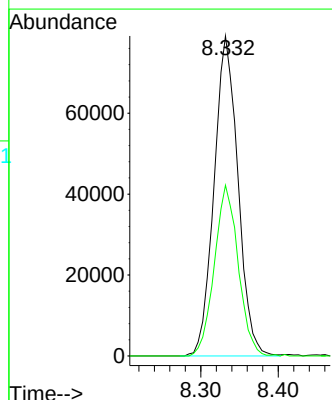
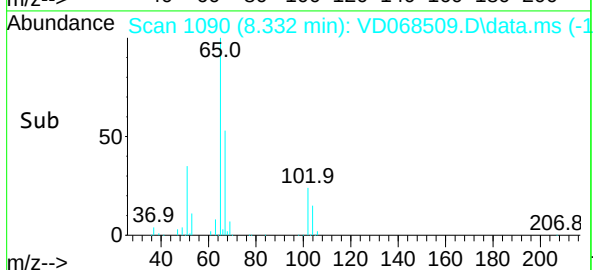
Tgt Ion: 56 Resp: 9001
Ion Ratio Lower Upper
56 100
69 147.3 30.1 45.1#
84 171.3 82.1 123.1#

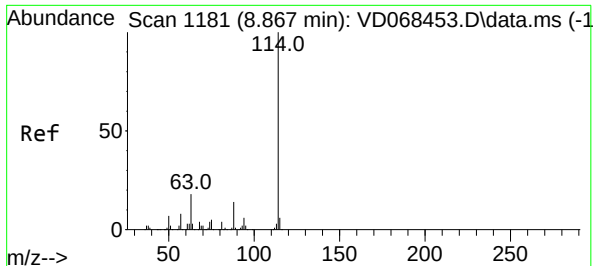


#33
1,2-Dichloroethane-d4
Concen: 44.95 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28



Tgt Ion: 65 Resp: 169605
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0

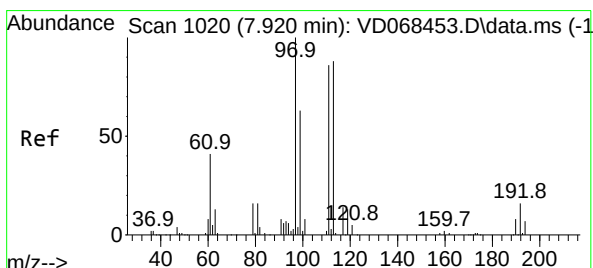
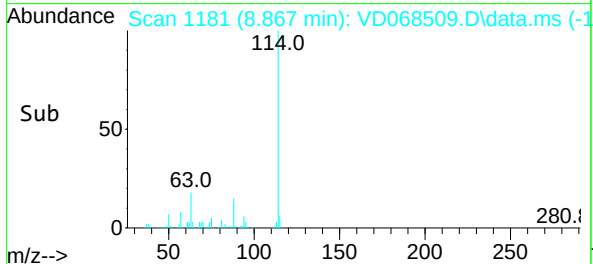
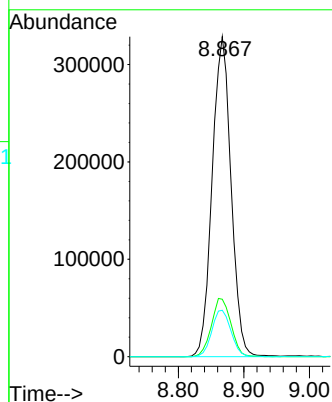
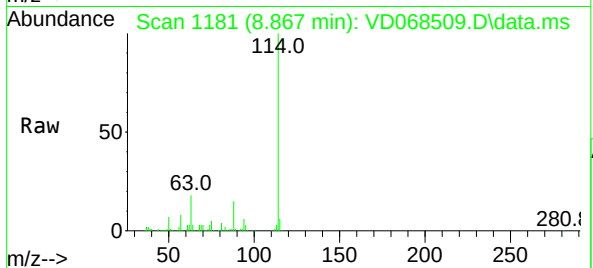




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

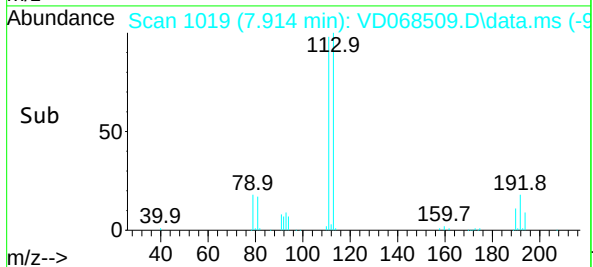
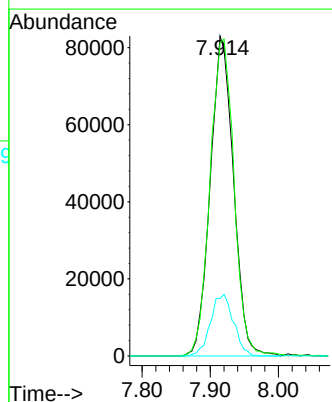
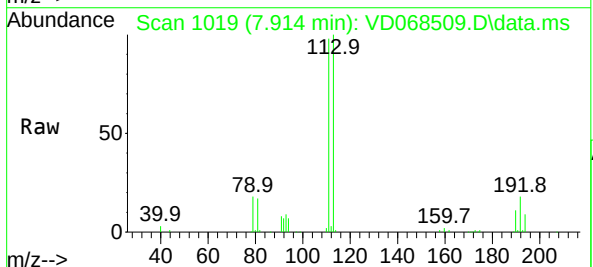
Instrument :
MSVOA_D
ClientSampled :

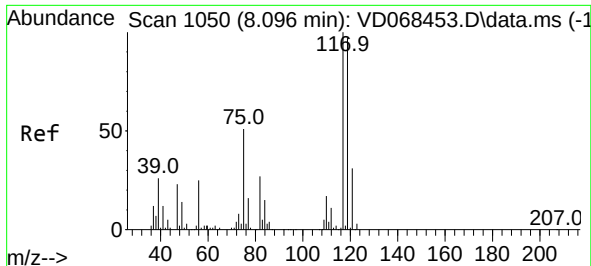
Tgt Ion:114 Resp: 656977
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.8
88 14.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.71 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

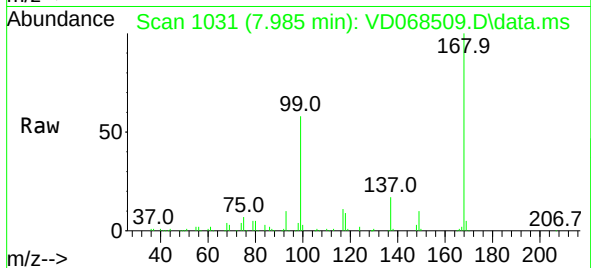
Tgt Ion:113 Resp: 196746
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.0 16.1 24.1



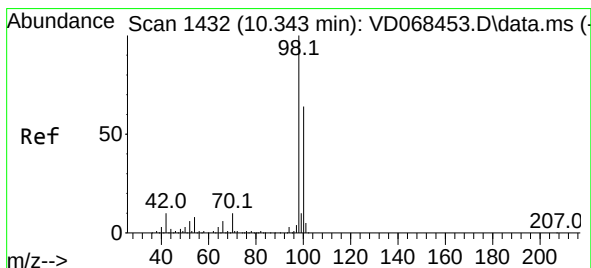
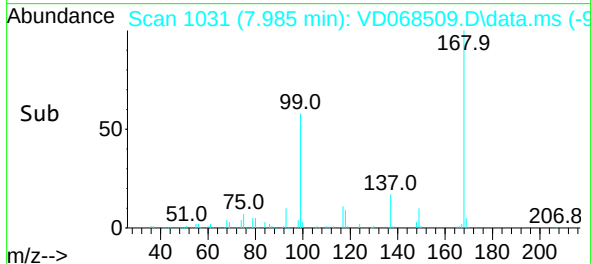
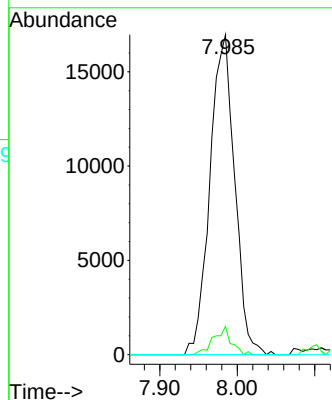


#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Instrument :
MSVOA_D
ClientSampleId :

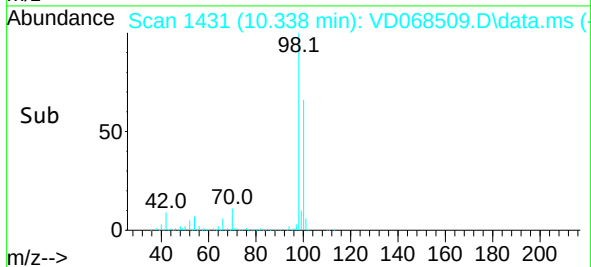
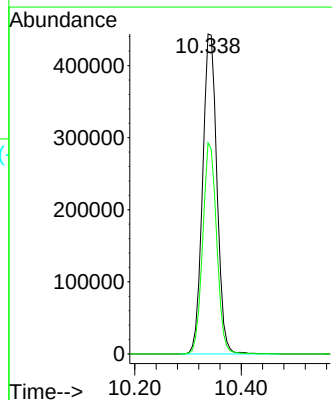
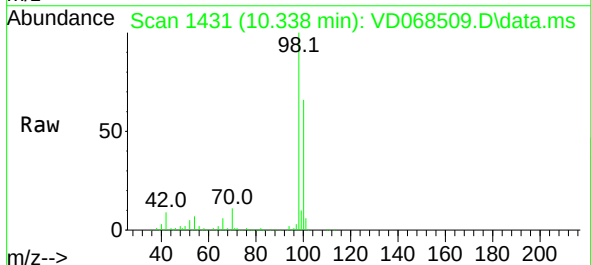


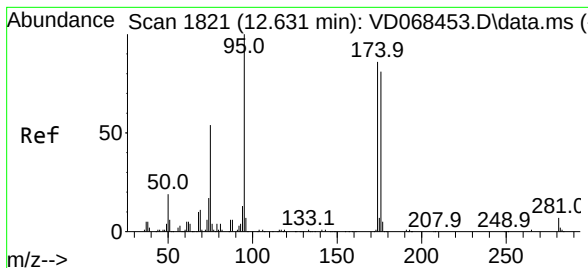
Tgt Ion:117 Resp: 37676
Ion Ratio Lower Upper
117 100
119 8.9 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.47 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Tgt Ion: 98 Resp: 827063
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4

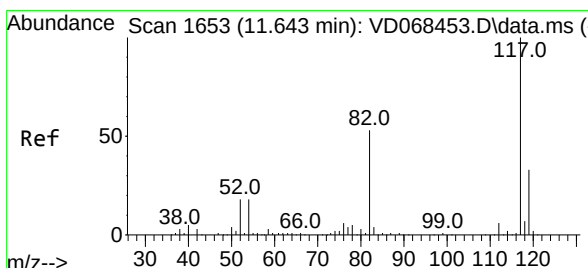
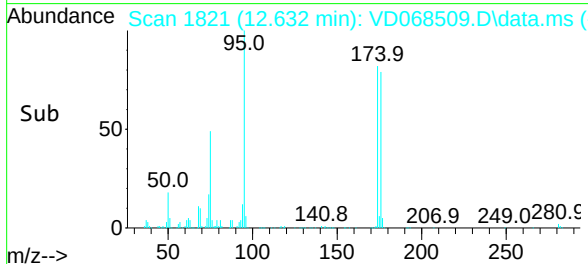
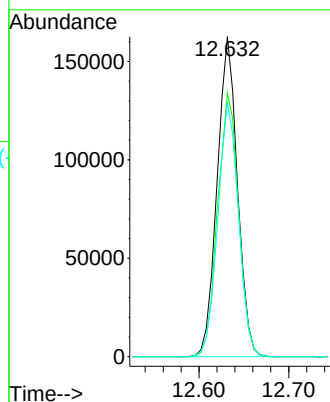
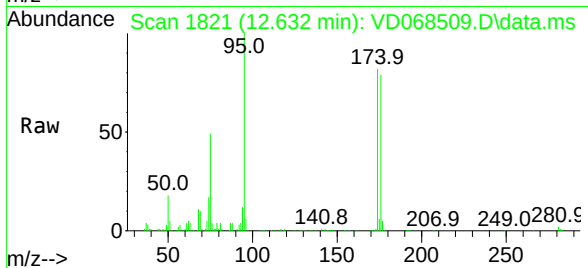




#62
4-Bromofluorobenzene
Concen: 50.17 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

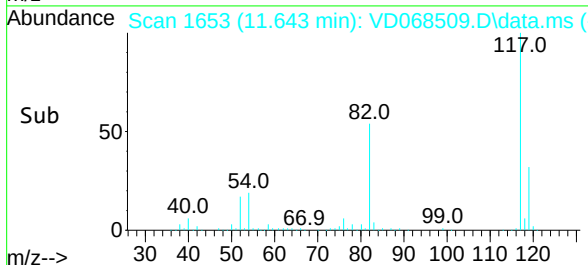
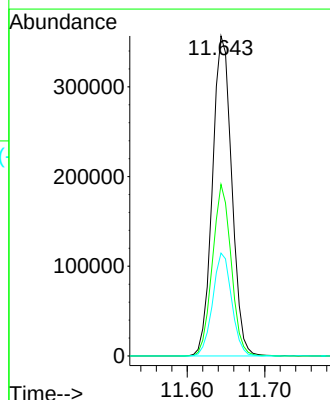
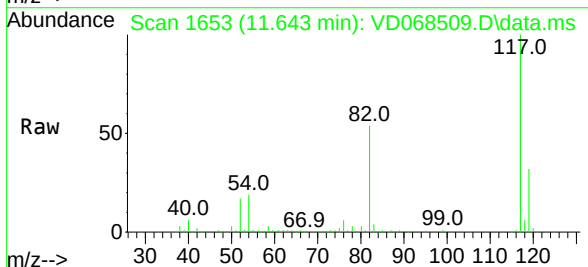
Instrument :
MSVOA_D
ClientSampled :

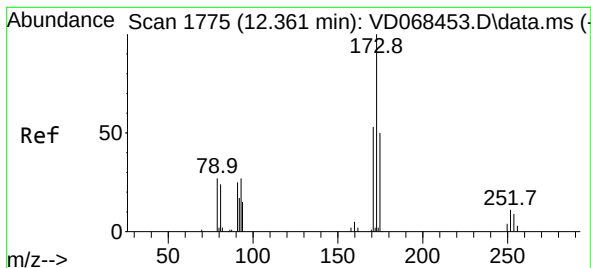
Tgt Ion: 95 Resp: 254876
Ion Ratio Lower Upper
95 100
174 84.8 0.0 172.4
176 80.9 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Tgt Ion: 117 Resp: 617475
Ion Ratio Lower Upper
117 100
82 53.6 41.4 62.0
119 32.2 26.1 39.1





#71

Bromoform

Concen: 1.02 ug/l

RT: 12.626 min Scan# 1820

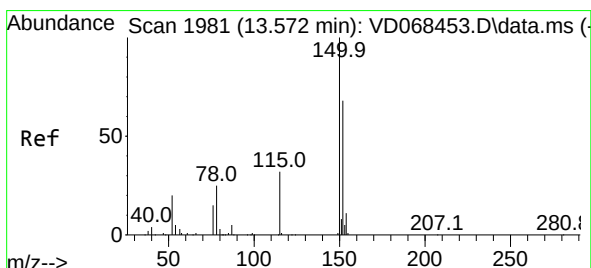
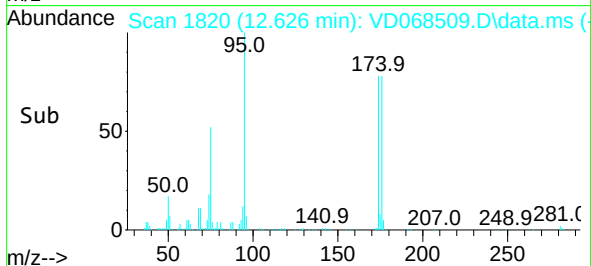
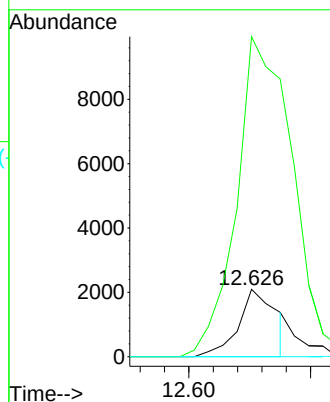
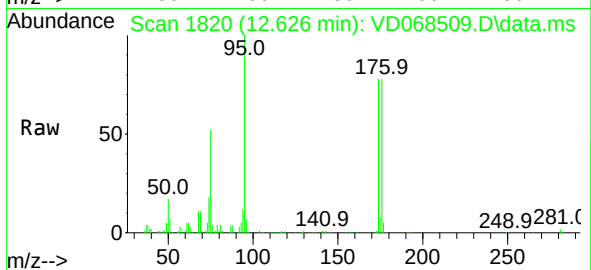
Delta R.T. 0.265 min

Lab File: VD068509.D

Acq: 03 Mar 2021 13:28

Tgt Ion:173 Resp: 2264

Ion	Ratio	Lower	Upper
173	100		
175	554.5	24.6	73.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

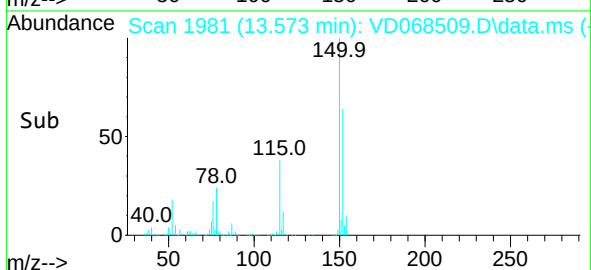
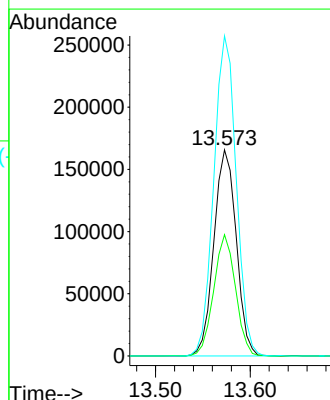
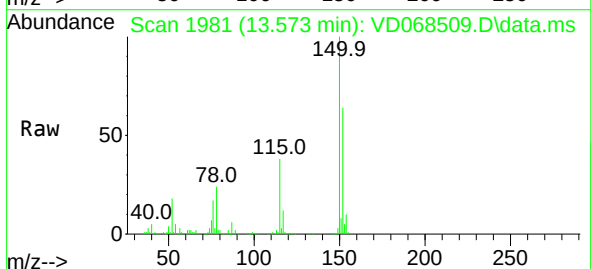
Delta R.T. 0.001 min

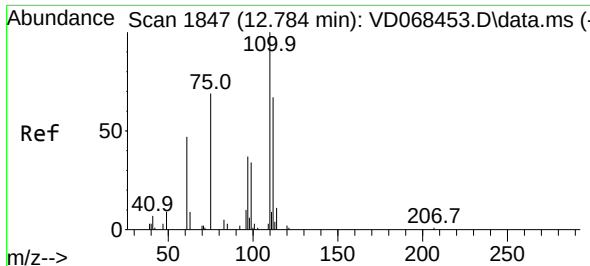
Lab File: VD068509.D

Acq: 03 Mar 2021 13:28

Tgt Ion:152 Resp: 271962

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.9	86.8
150	155.8	0.0	344.4

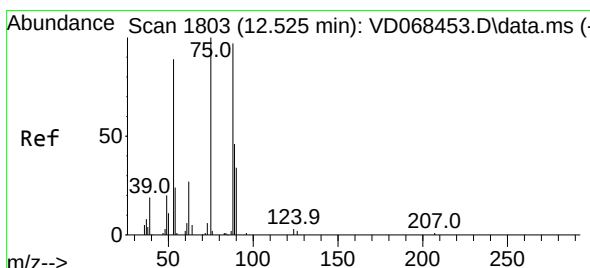
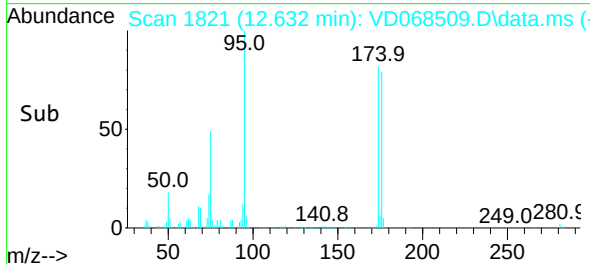
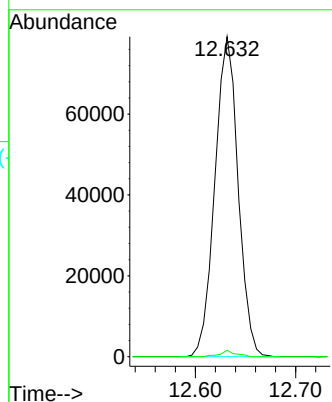
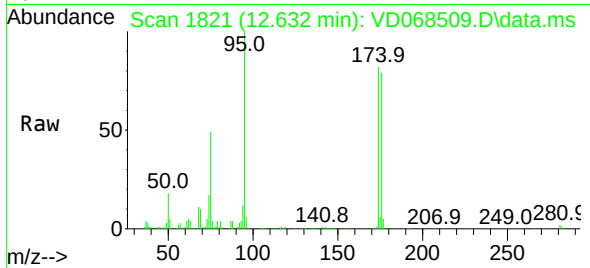




#76
1,2,3-Trichloropropane
Concen: 52.63 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 127061
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.81 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068509.D
Acq: 03 Mar 2021 13:28

Tgt Ion: 75 Resp: 127061
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

