

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068791.D
 Acq On : 08 Apr 2021 16:08
 Operator : VA/SY
 Sample : M1908-07
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 16:41:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

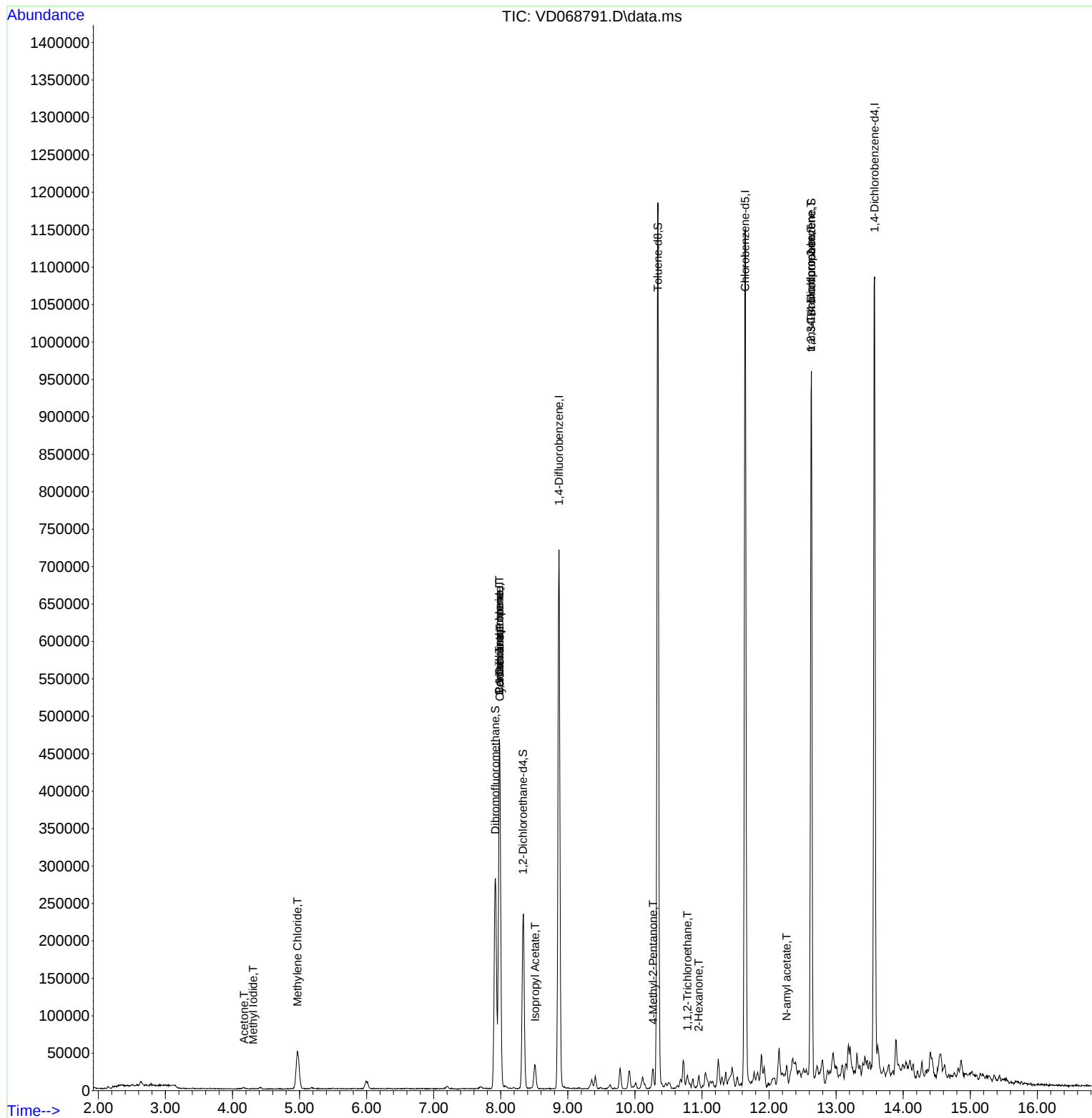
Internal Standards						
1) Pentafluorobenzene	7.979	168	364440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	656193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	692259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	308023	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	189928	49.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.62%		
35) Dibromofluoromethane	7.920	113	208596	48.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.74%		
50) Toluene-d8	10.344	98	839006	52.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.22%		
62) 4-Bromofluorobenzene	12.632	95	298732	55.86	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	111.72%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	338	2.32	ug/l #	62
11) Tert butyl alcohol	5.179	59	598	Below Cal	#	73
16) Acetone	4.173	43	2566	4.81	ug/l #	65
20) Methylene Chloride	4.967	84	44991	6.20	ug/l	97
31) Cyclohexane	7.985	56	7671	1.20	ug/l #	31
36) 1,1-Dichloropropene	7.979	75	28163	4.24	ug/l #	50
38) Carbon Tetrachloride	7.979	117	36419	5.54	ug/l #	15
43) Isopropyl Acetate	8.514	43	5269	1.32	ug/l #	45
51) 4-Methyl-2-Pentanone	10.273	43	3250	1.62	ug/l #	58
55) 1,1,2-Trichloroethane	10.785	97	4822	1.32	ug/l #	30
59) 2-Hexanone	10.949	43	5525	4.12	ug/l #	24
74) N-amyl acetate	12.261	43	4669	1.22	ug/l #	53
76) 1,2,3-Trichloropropane	12.626	75	149796	53.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	149796	123.54	ug/l #	16

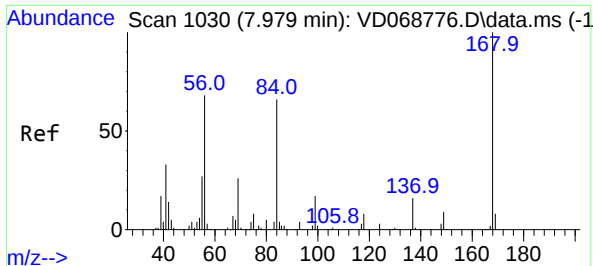
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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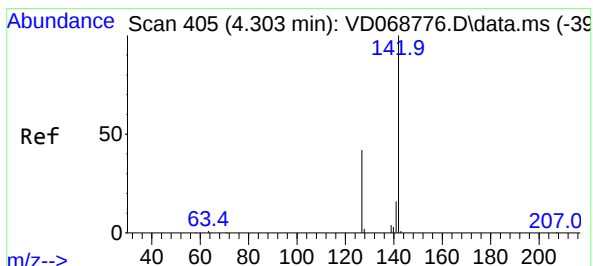
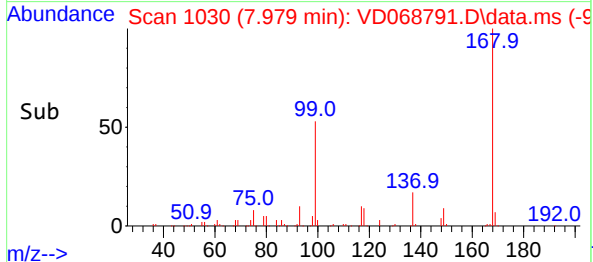
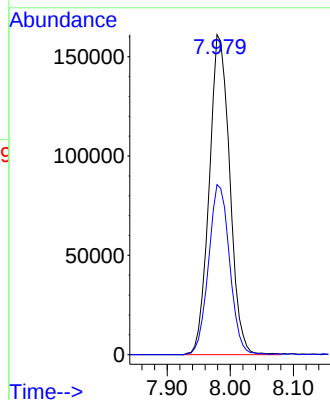
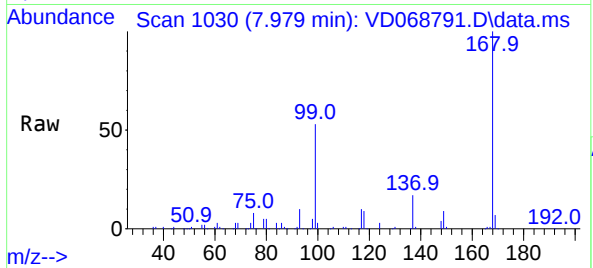




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

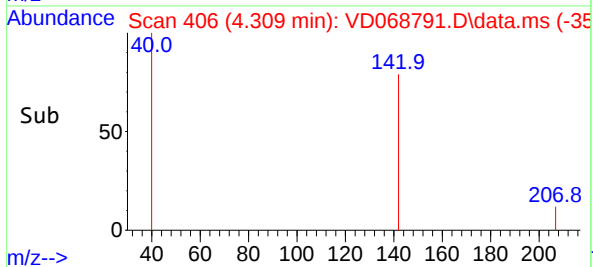
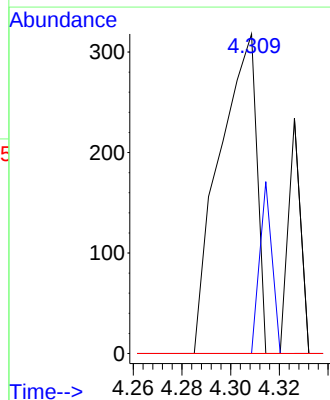
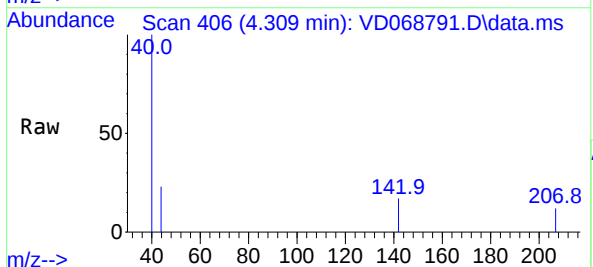
Instrument :
MSVOA_D
ClientSampled :

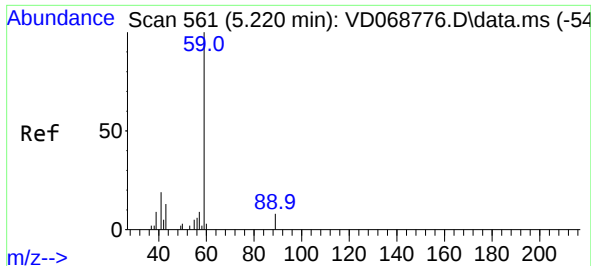
Tgt Ion:168 Resp: 364440
Ion Ratio Lower Upper
168 100
99 53.1 46.2 69.2



#10
Methyl Iodide
Concen: 2.32 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion:142 Resp: 338
Ion Ratio Lower Upper
142 100
127 17.8 34.7 52.1#
141 0.0 11.0 16.4#



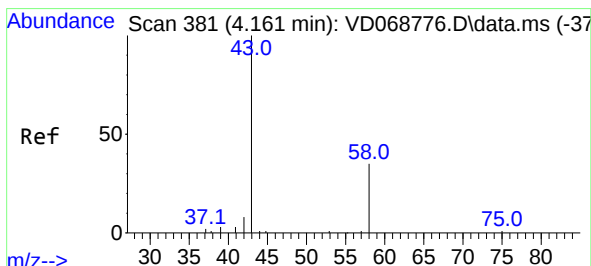
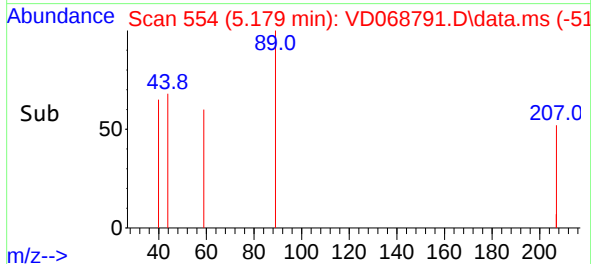
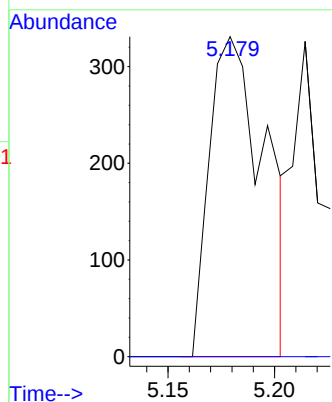
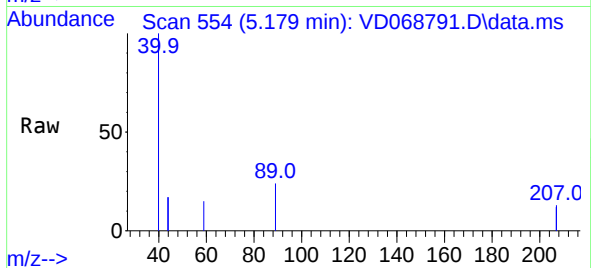


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

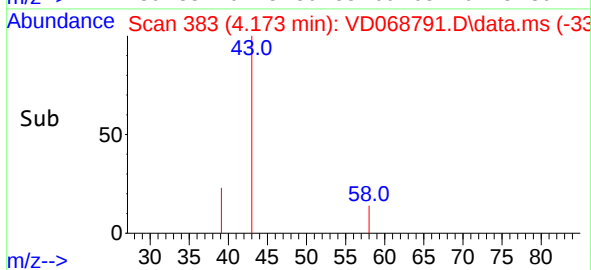
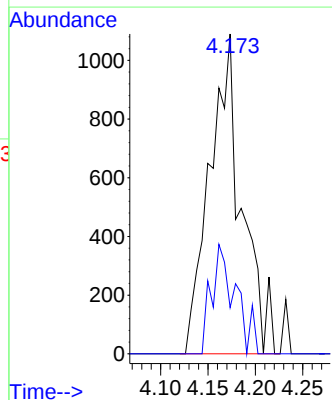
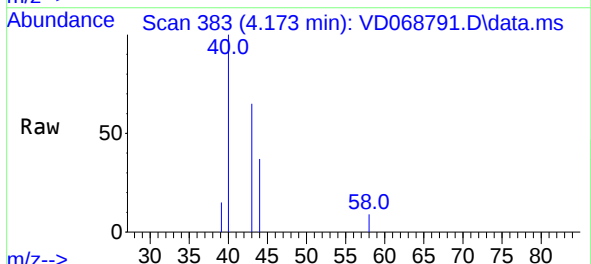
Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

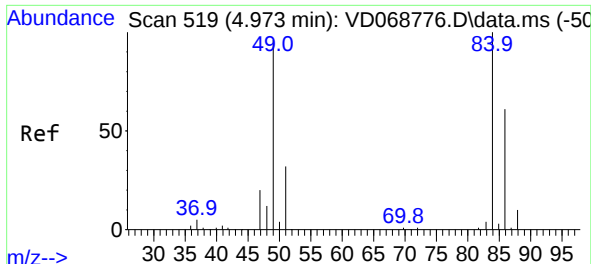


#16

Acetone
Concen: 4.81 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

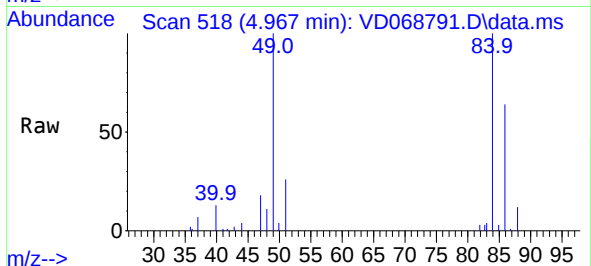
Tgt Ion: 43 Resp: 2566
Ion Ratio Lower Upper
43 100
58 14.5 28.0 42.0#





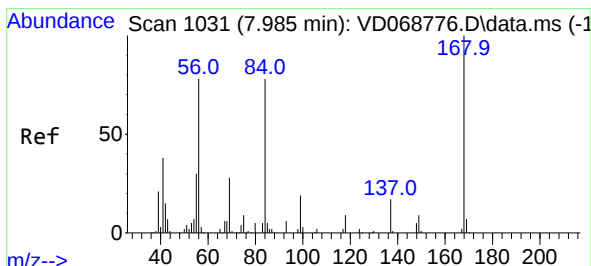
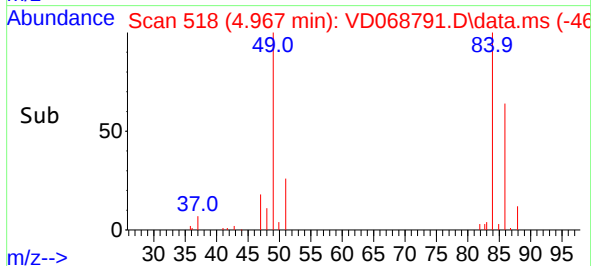
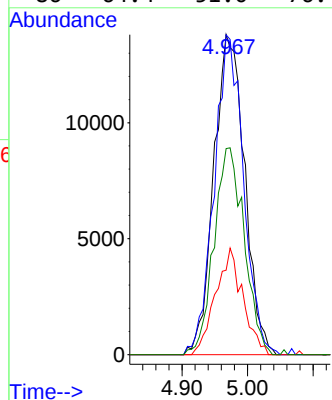
#20
Methylene Chloride
Concen: 6.20 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 44991

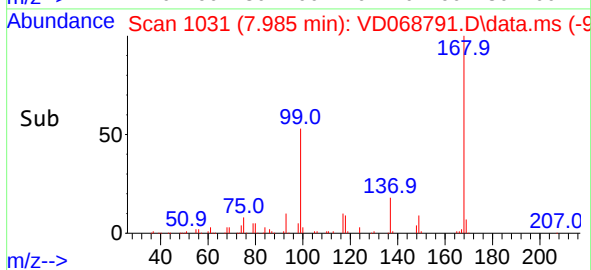
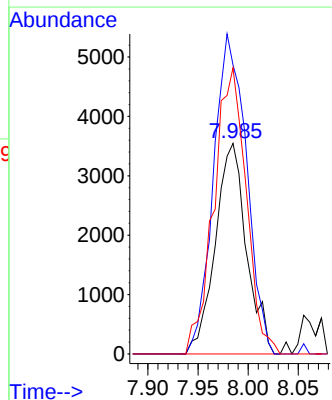
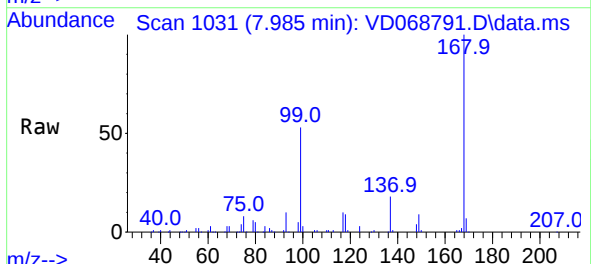
Ion	Ratio	Lower	Upper
84	100		
49	100.0	83.4	125.0
51	26.4	23.4	35.2
86	64.4	51.0	76.4

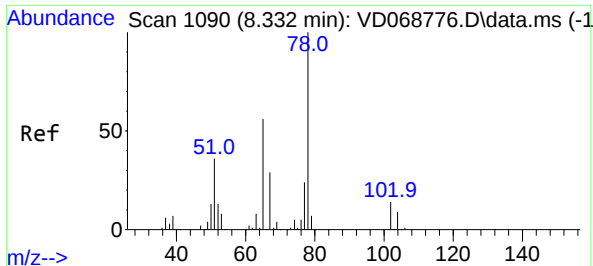


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 56 Resp: 7671

Ion	Ratio	Lower	Upper
56	100		
69	137.3	30.0	45.0#
84	135.9	82.0	123.0#

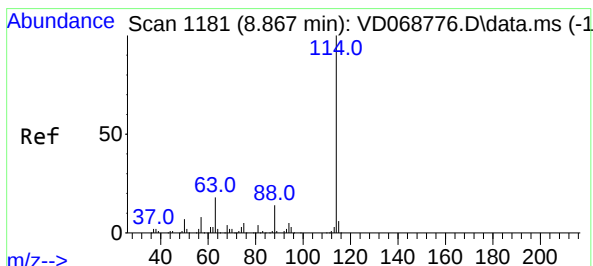
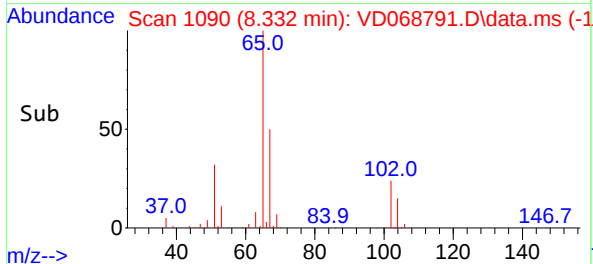
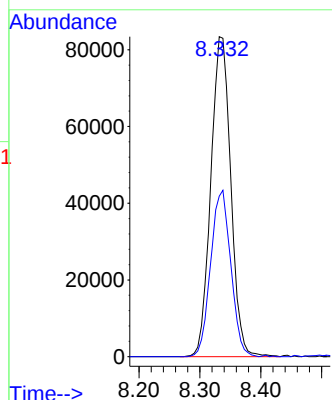
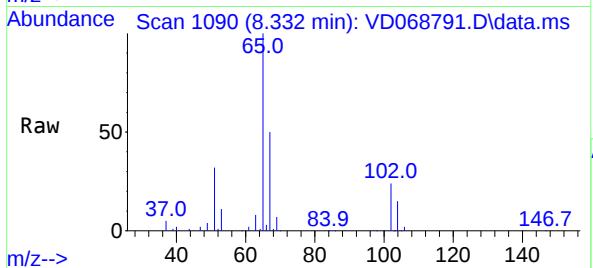




#33
1,2-Dichloroethane-d4
Concen: 49.31 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

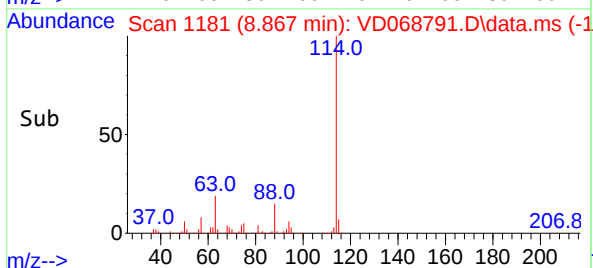
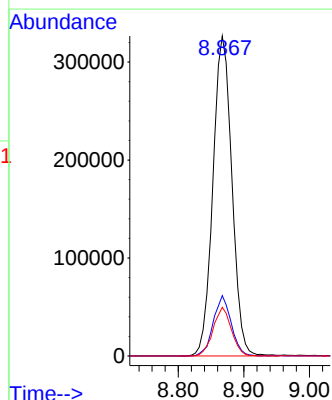
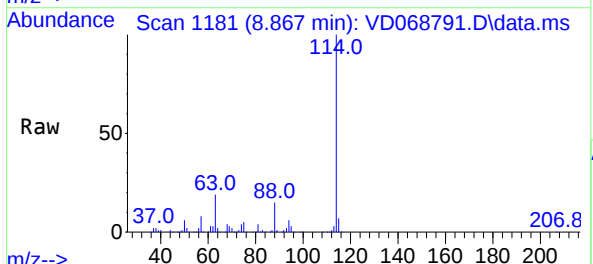
Instrument :
MSVOA_D
ClientSampleId :

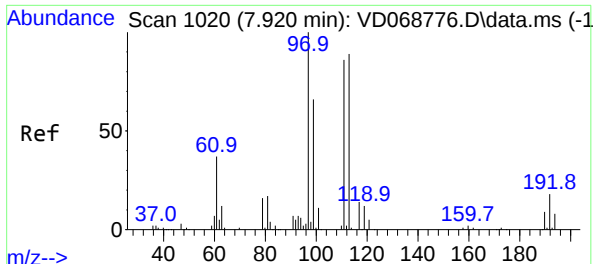
Tgt Ion: 65 Resp: 189928
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion:114 Resp: 656193
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.2
88 15.2 0.0 29.4

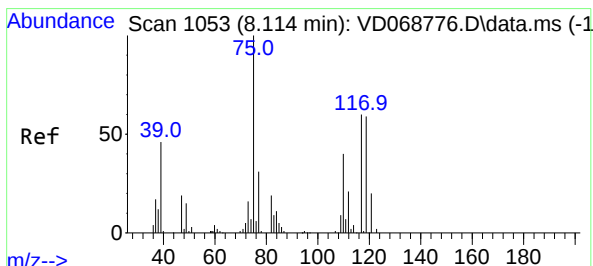
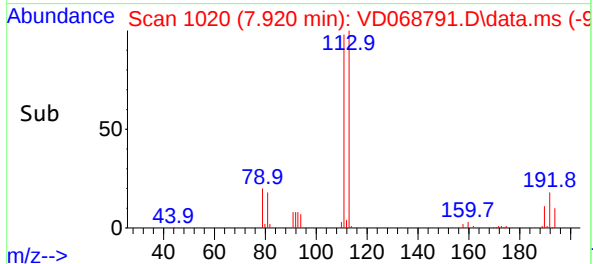
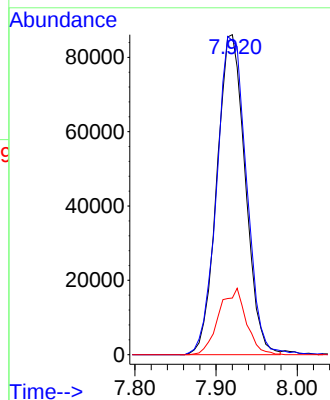
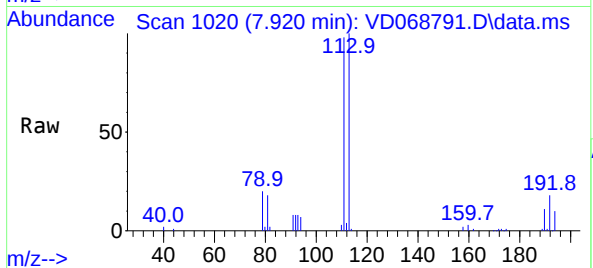




#35
Dibromofluoromethane
Concen: 48.87 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

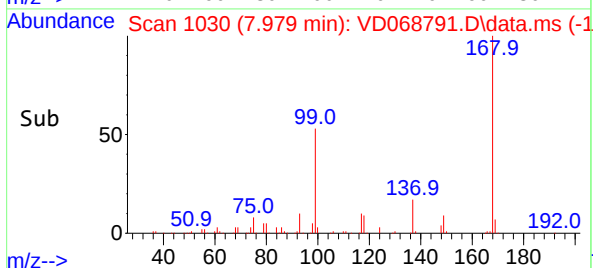
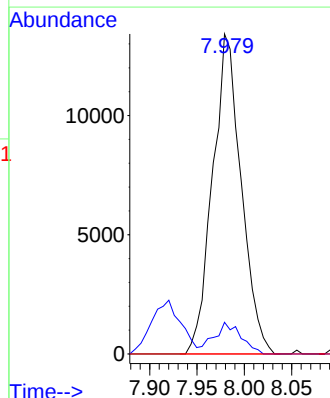
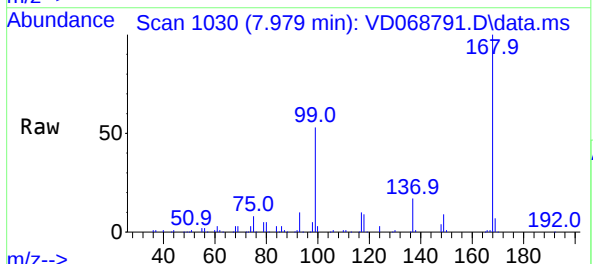
Instrument :
MSVOA_D
ClientSampled :

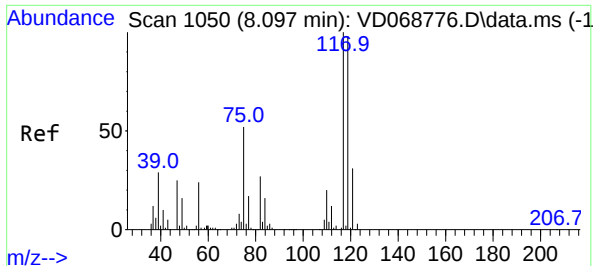
Tgt Ion:113 Resp: 208596
Ion Ratio Lower Upper
113 100
111 104.4 82.5 123.7
192 19.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

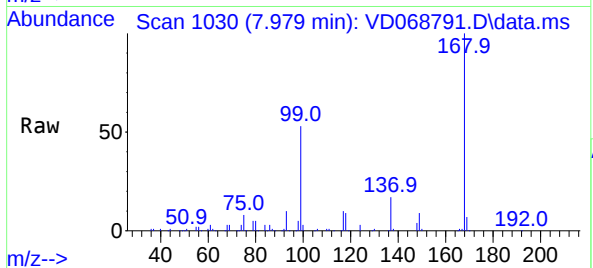
Tgt Ion: 75 Resp: 28163
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 24.7 37.1#



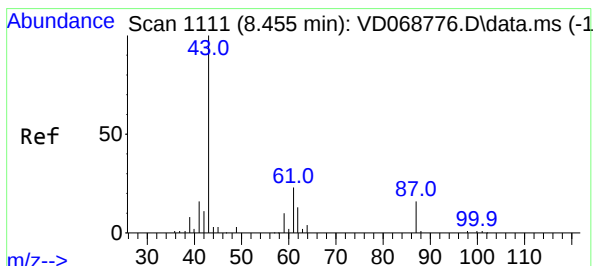
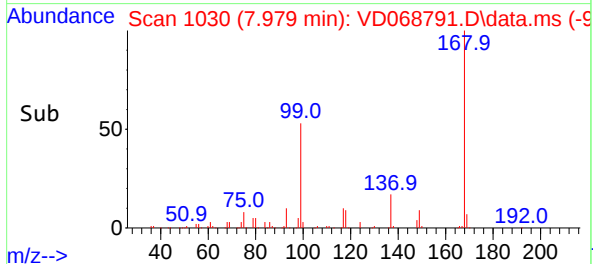
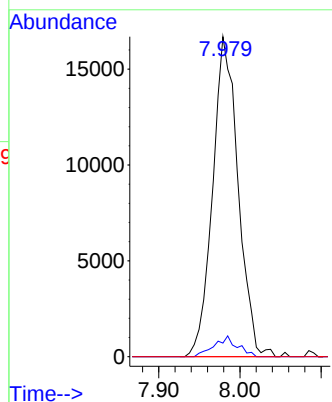


#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

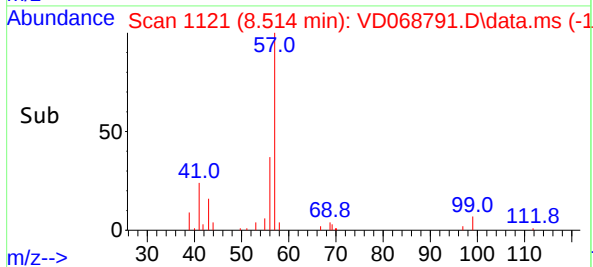
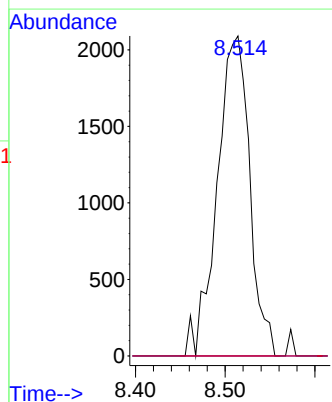
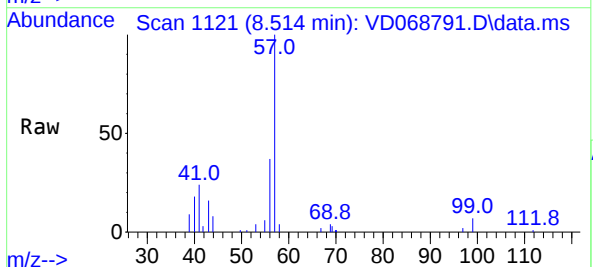


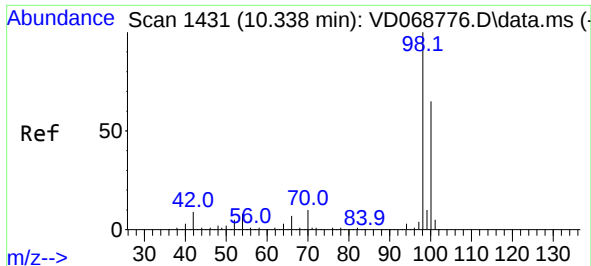
Tgt Ion:117 Resp: 36419
Ion Ratio Lower Upper
117 100
119 4.3 76.6 115.0#
121 0.0 26.1 39.1#



#43
Isopropyl Acetate
Concen: 1.32 ug/l
RT: 8.514 min Scan# 1121
Delta R.T. 0.059 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 43 Resp: 5269
Ion Ratio Lower Upper
43 100
61 0.0 29.5 44.3#
87 0.0 13.5 20.3#

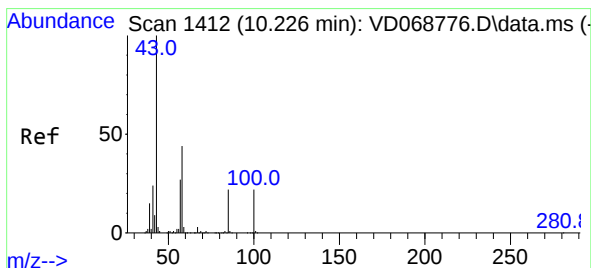
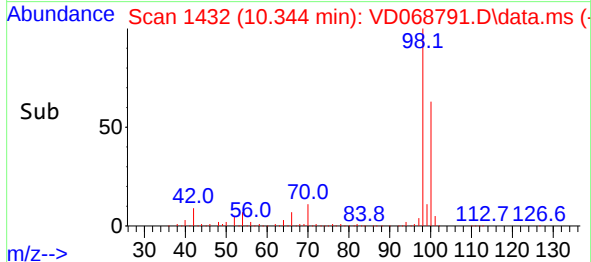
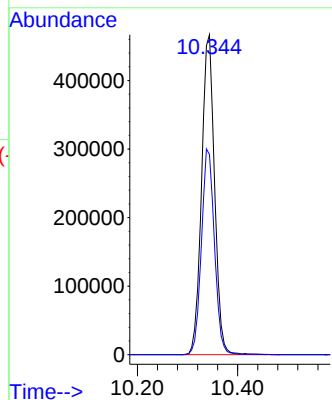
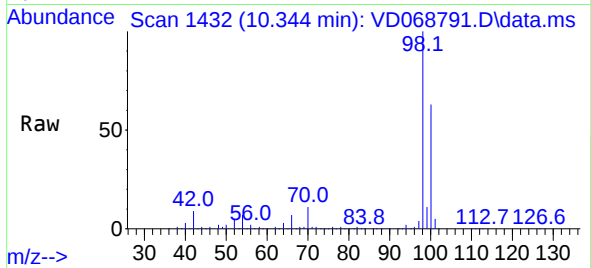




#50
Toluene-d8
Concen: 52.11 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

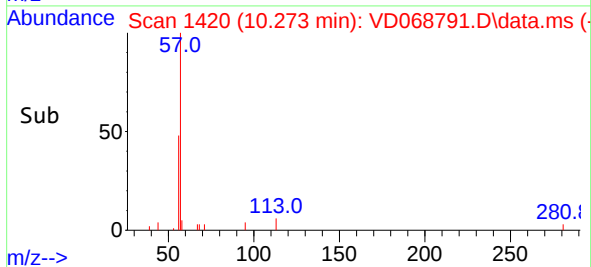
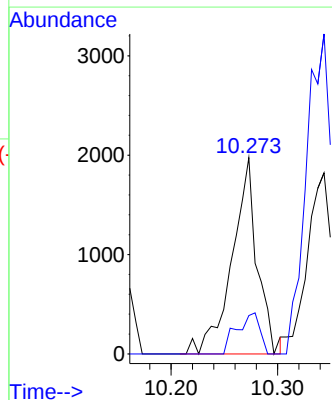
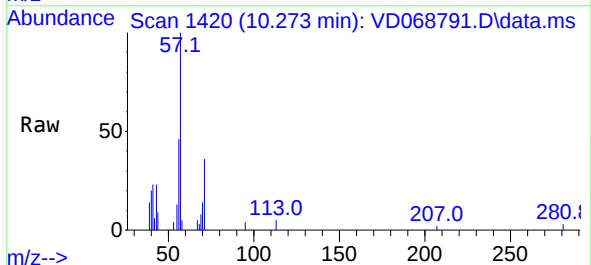
Instrument :
MSVOA_D
ClientSampled :

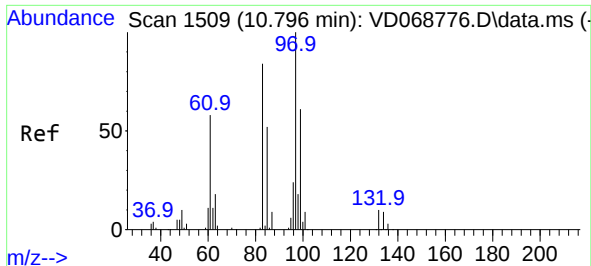
Tgt Ion: 98 Resp: 839006
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 10.273 min Scan# 1420
Delta R.T. 0.047 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 43 Resp: 3250
Ion Ratio Lower Upper
43 100
58 19.0 37.3 55.9#



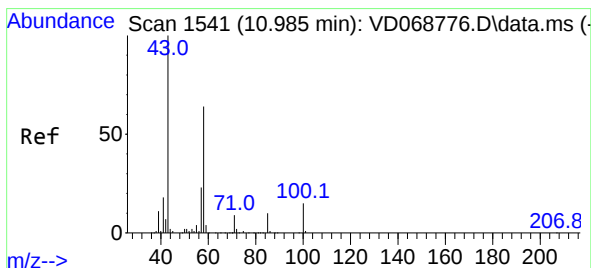
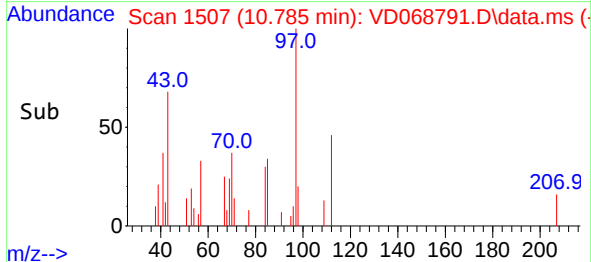
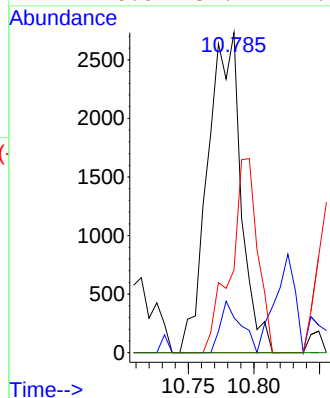
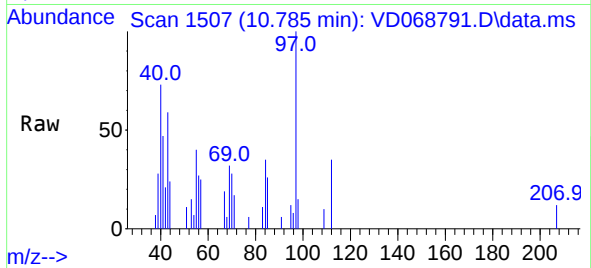


#55
1,1,2-Trichloroethane
Concen: 1.32 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. -0.011 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 97 Resp: 4822

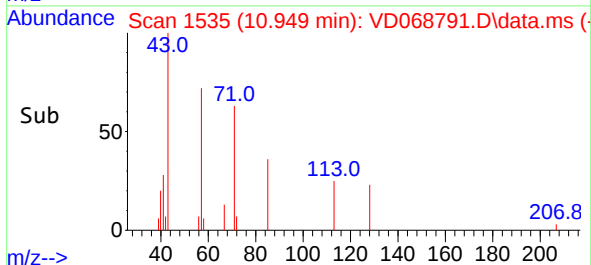
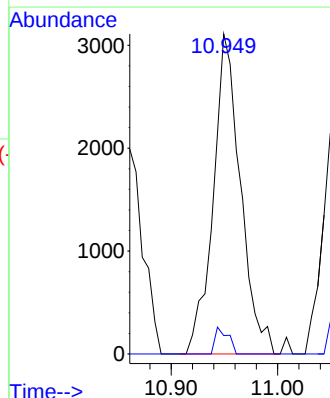
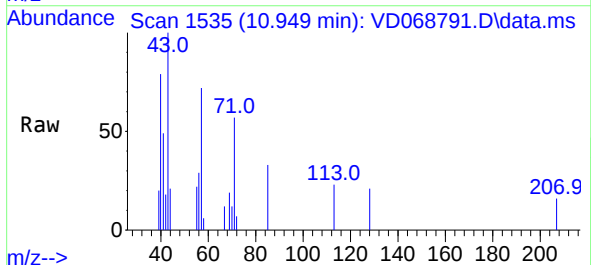
Ion	Ratio	Lower	Upper
97	100		
83	10.9	65.7	98.5#
85	25.8	44.3	66.5#
99	0.0	51.4	77.2#

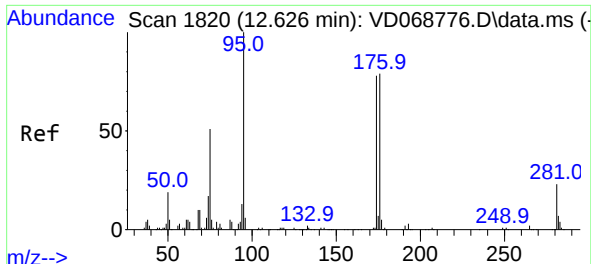


#59
2-Hexanone
Concen: 4.12 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 43 Resp: 5525

Ion	Ratio	Lower	Upper
43	100		
58	4.0	31.3	93.8#

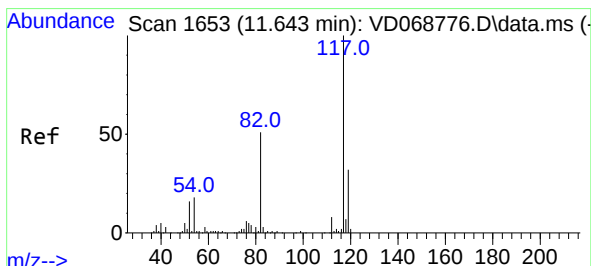
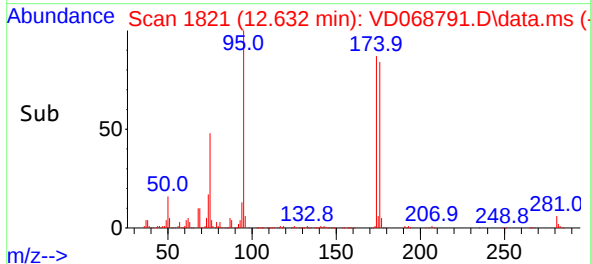
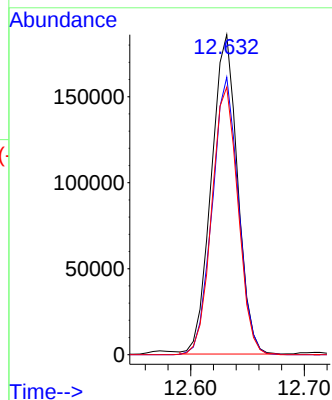
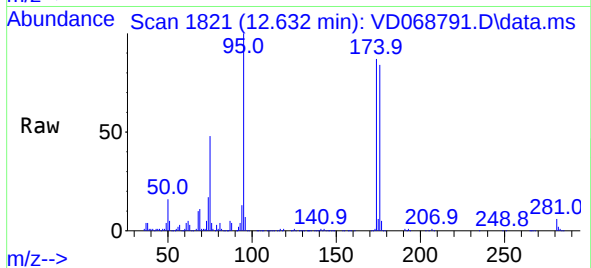




#62
4-Bromofluorobenzene
Concen: 55.86 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

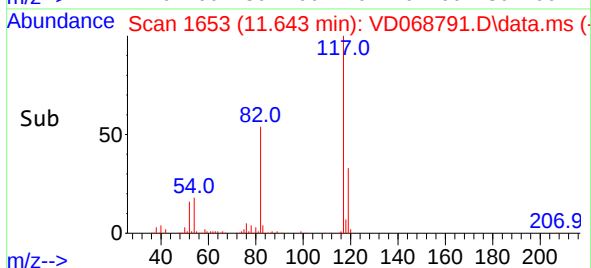
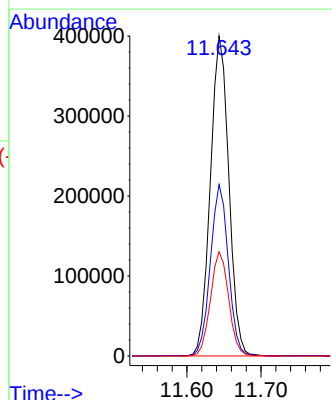
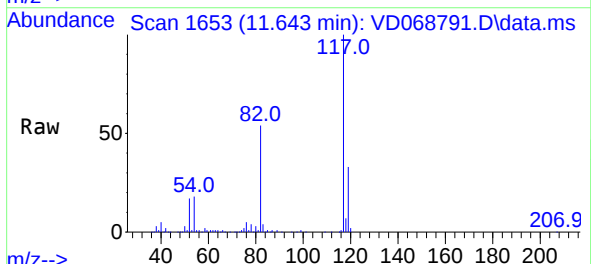
Instrument :
MSVOA_D
ClientSampled :

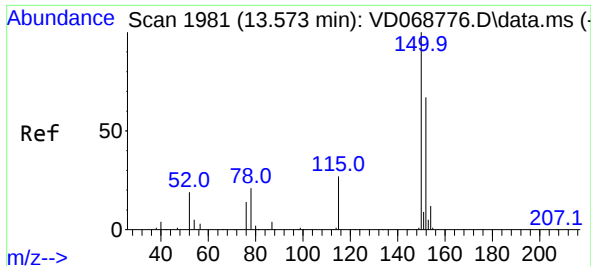
Tgt Ion: 95 Resp: 298732
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.0
176 83.5 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 117 Resp: 692259
Ion Ratio Lower Upper
117 100
82 53.5 43.5 65.3
119 32.6 26.7 40.1

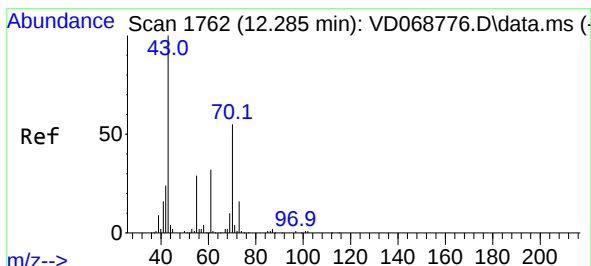
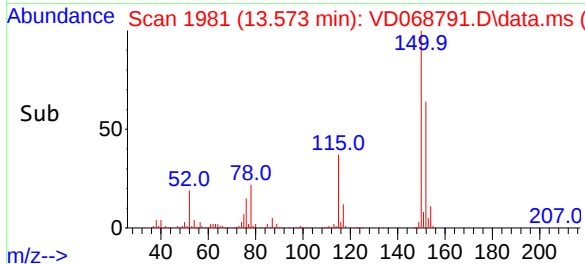
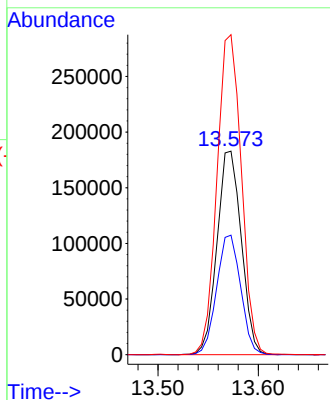
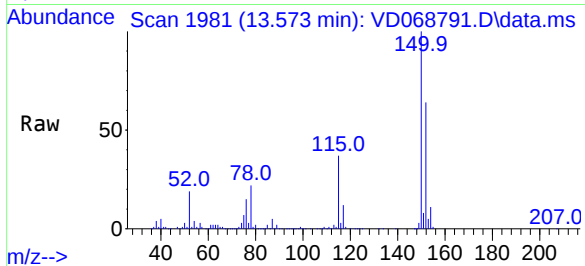




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

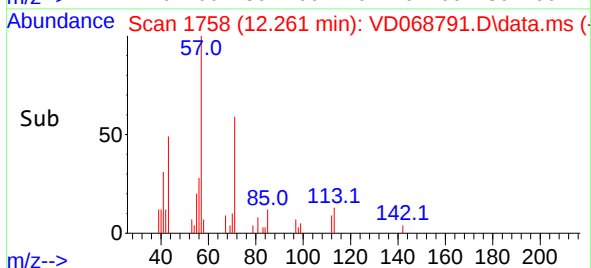
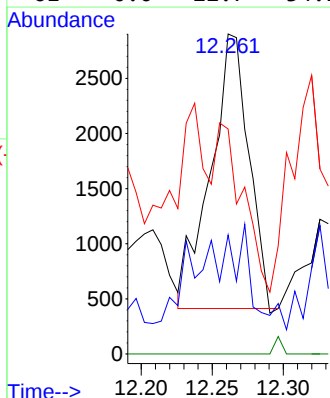
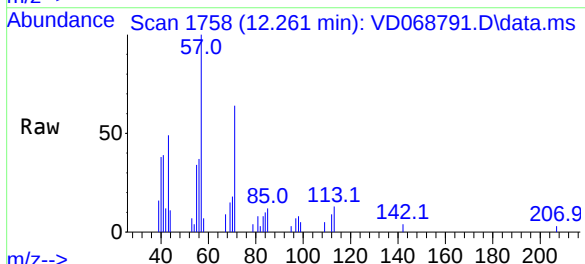
Instrument :
MSVOA_D
ClientSampled :

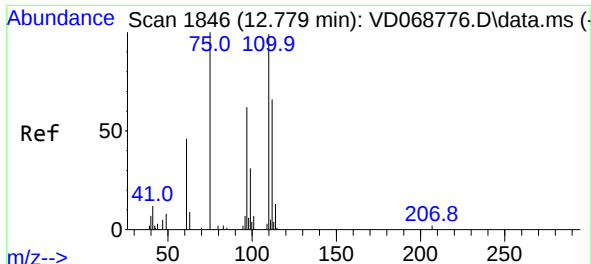
Tgt Ion:152 Resp: 308023
Ion Ratio Lower Upper
152 100
115 58.0 29.3 87.8
150 157.9 0.0 347.6



#74
N-ethyl acetate
Concen: 1.22 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

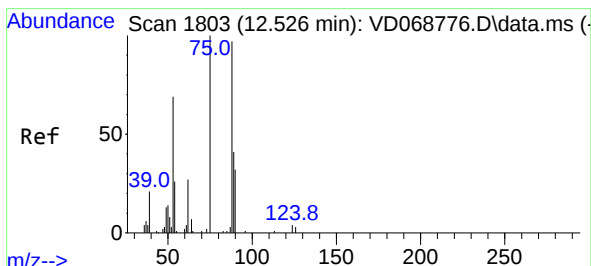
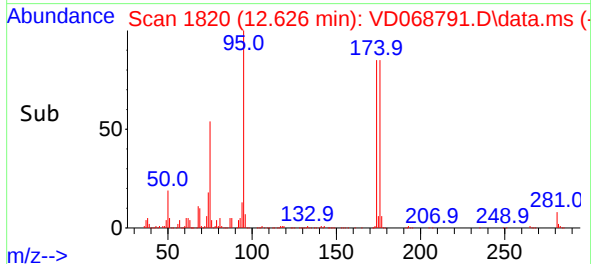
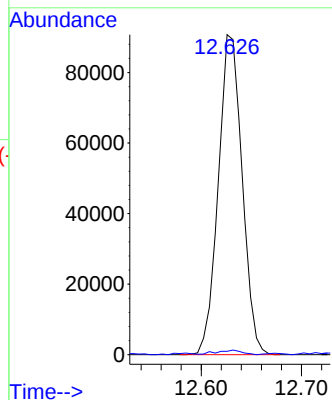
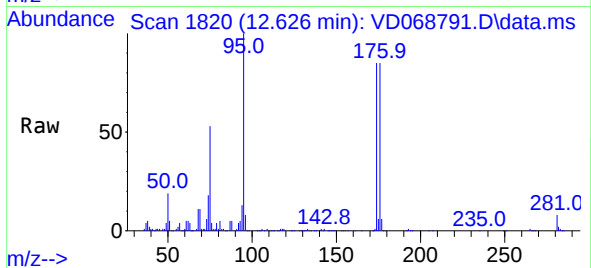
Tgt Ion: 43 Resp: 4669
Ion Ratio Lower Upper
43 100
70 24.2 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#





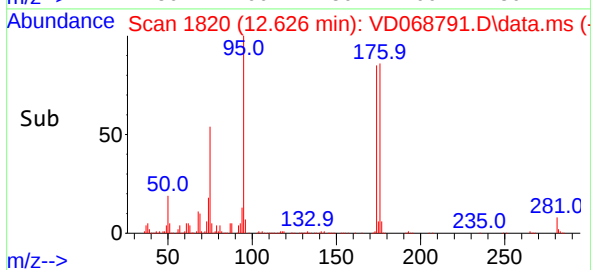
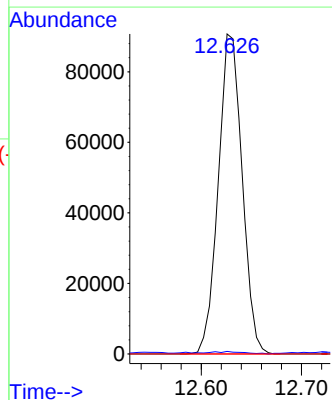
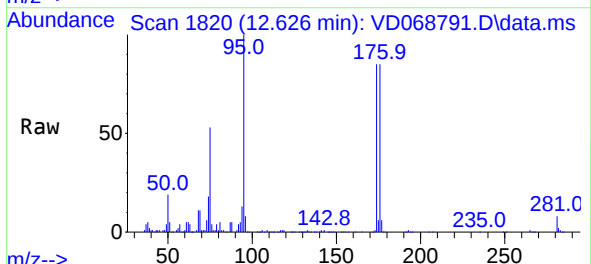
#76
1,2,3-Trichloropropane
Concen: 53.23 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 75 Resp: 149796
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.54 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068791.D
Acq: 08 Apr 2021 16:08

Tgt Ion: 75 Resp: 149796
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 36.6 54.8#



Instrument :
MSVOA_D
ClientSampled :