

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068965.D
 Acq On : 23 Apr 2021 14:08
 Operator : VA/SY
 Sample : M2107-19
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

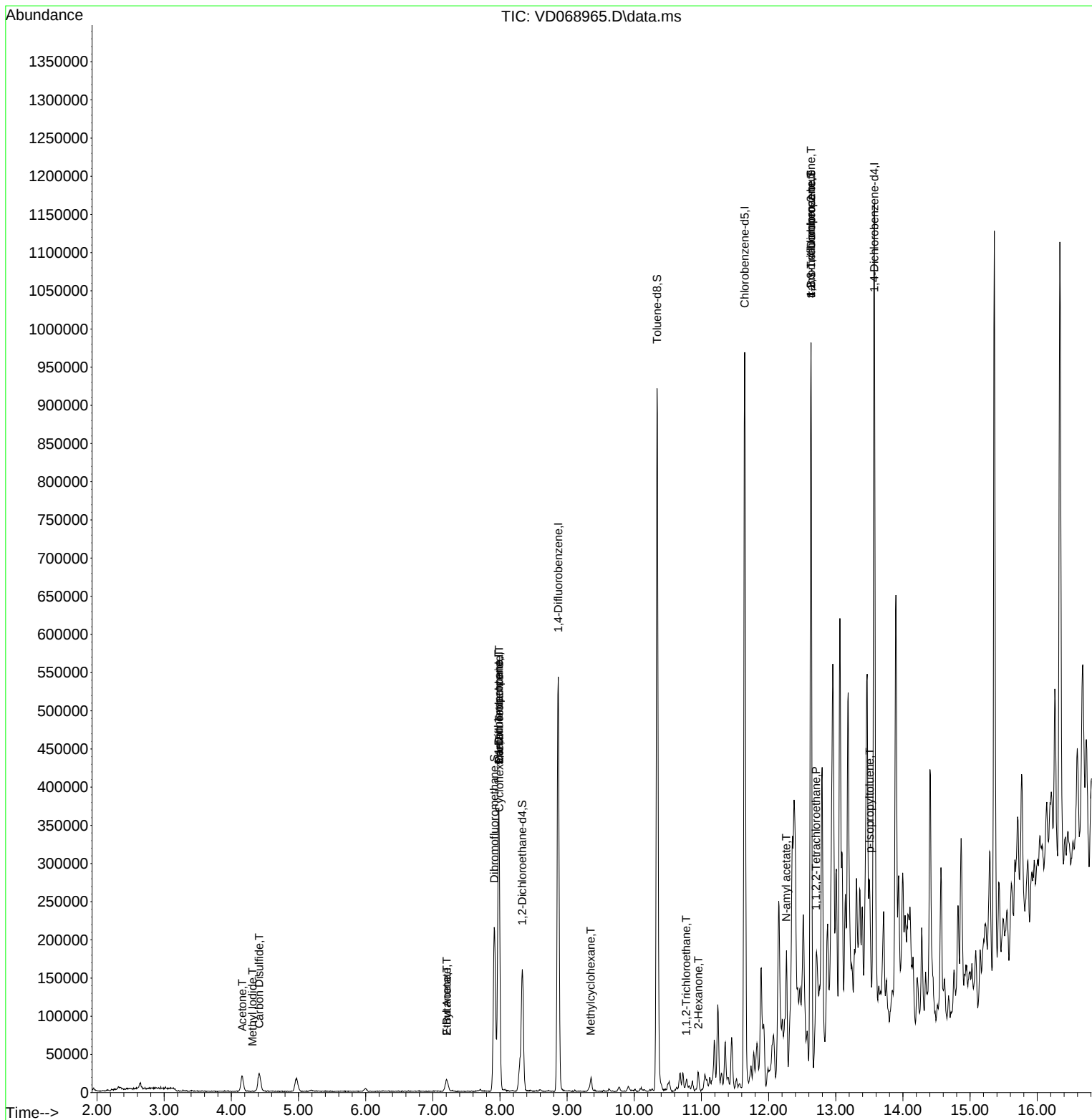
Quant Time: Apr 26 07:55:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

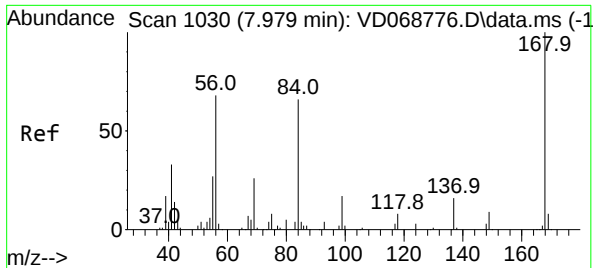
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	292228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	499297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	590454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	294842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127326	41.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.46%		
35) Dibromofluoromethane	7.914	113	153665	47.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.64%		
50) Toluene-d8	10.338	98	626652	51.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.30%		
62) 4-Bromofluorobenzene	12.632	95	285125	70.07	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	140.14%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	228	2.31	ug/l #	71
11) Tert butyl alcohol	5.238	59	217	Below Cal	#	73
16) Acetone	4.162	43	34122	79.78	ug/l	93
17) Carbon Disulfide	4.415	76	48374	5.11	ug/l #	90
20) Methylene Chloride	4.973	84	15049	Below Cal		89
25) 2-Butanone	7.209	43	12937	21.38	ug/l #	83
31) Cyclohexane	7.991	56	6914	1.35	ug/l #	46
36) 1,1-Dichloropropene	7.979	75	22009	4.35	ug/l #	49
37) Ethyl Acetate	7.209	43	12937	8.71	ug/l #	69
38) Carbon Tetrachloride	7.985	117	29402	5.88	ug/l #	18
39) Methylcyclohexane	9.350	83	6698	1.14	ug/l	93
55) 1,1,2-Trichloroethane	10.773	97	5203	1.87	ug/l #	26
59) 2-Hexanone	10.955	43	7013	6.87	ug/l #	23
74) N-amyl acetate	12.261	43	29870	8.18	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.708	83	8681	2.16	ug/l #	70
76) 1,2,3-Trichloropropane	12.632	75	134627	49.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	134627	115.99	ug/l #	18
86) p-Isopropyltoluene	13.508	119	25160	1.28	ug/l	99

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

Quant Time: Apr 26 07:55:23 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

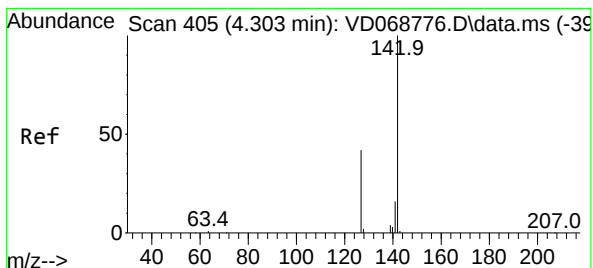
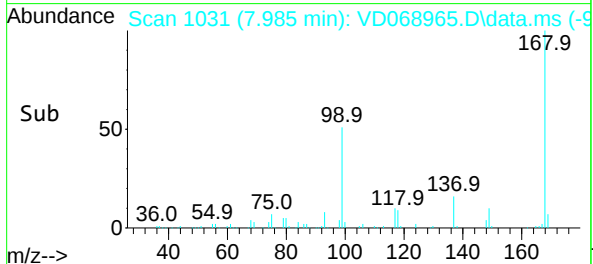
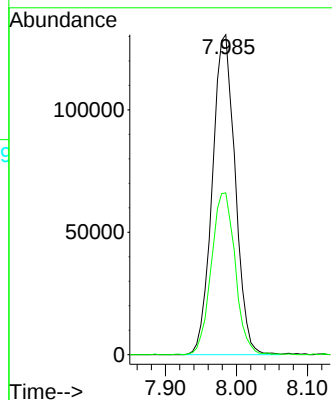
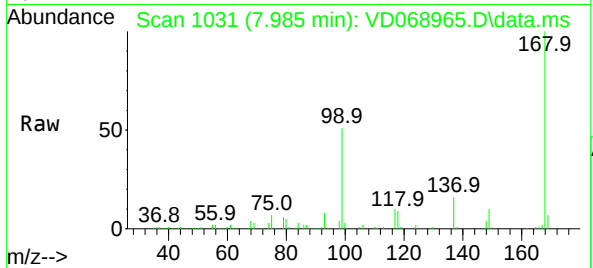




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

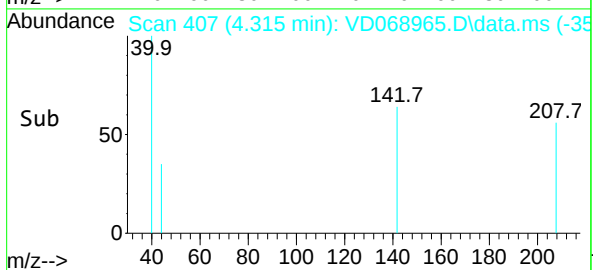
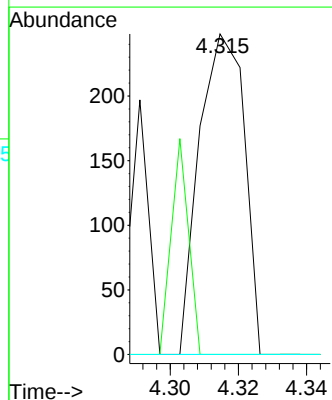
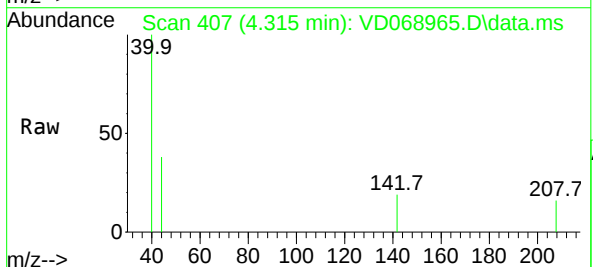
Instrument :
MSVOA_D
ClientSampled :

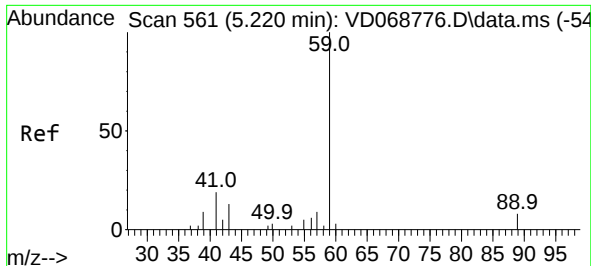
Tgt Ion:168 Resp: 292228
Ion Ratio Lower Upper
168 100
99 50.4 46.2 69.2



#10
Methyl Iodide
Concen: 2.31 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Tgt Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
127 25.9 34.7 52.1#
141 0.0 11.0 16.4#

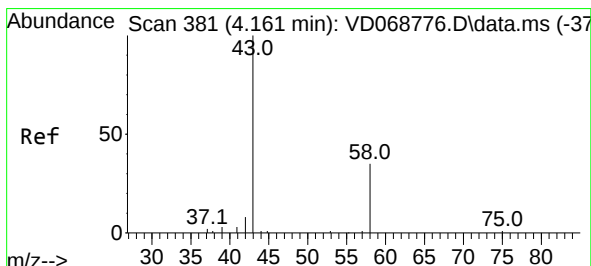
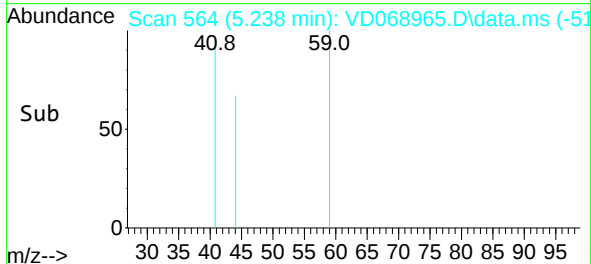
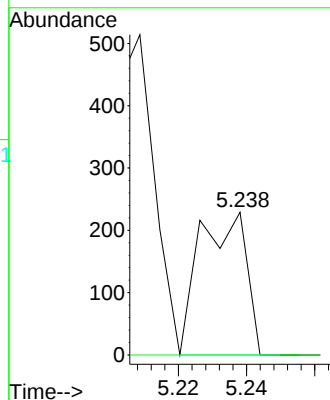
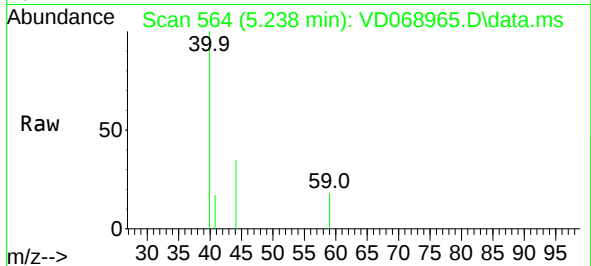




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

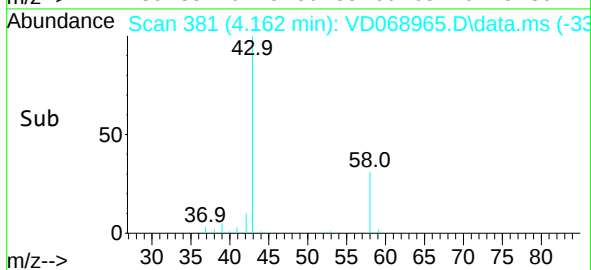
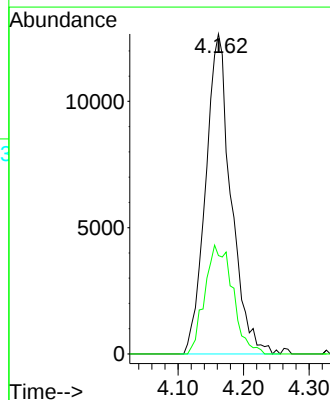
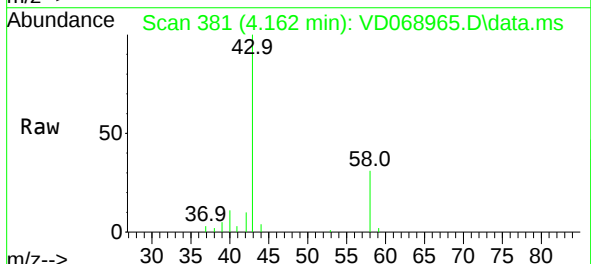
Instrument :
MSVOA_D
ClientSampled :

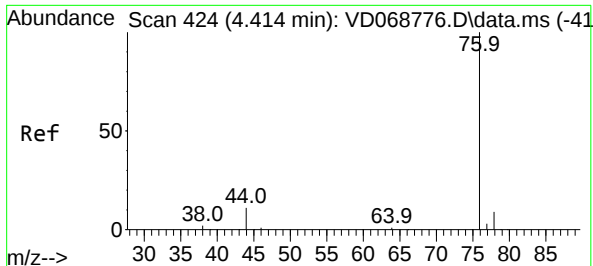
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 79.78 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

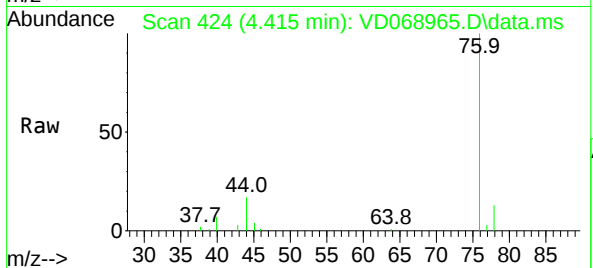
Tgt Ion: 43 Resp: 34122
Ion Ratio Lower Upper
43 100
58 30.7 28.0 42.0



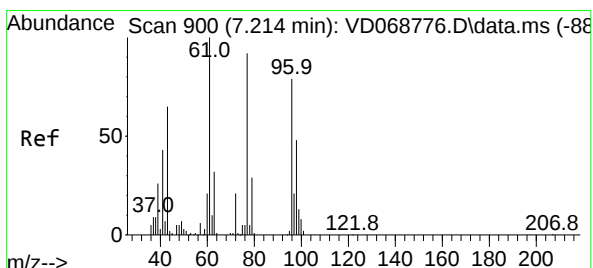
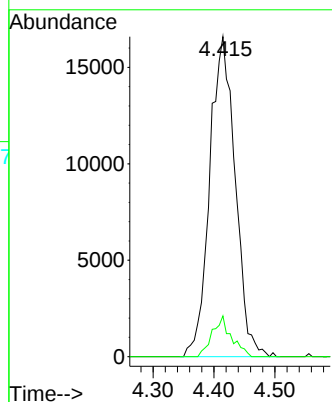
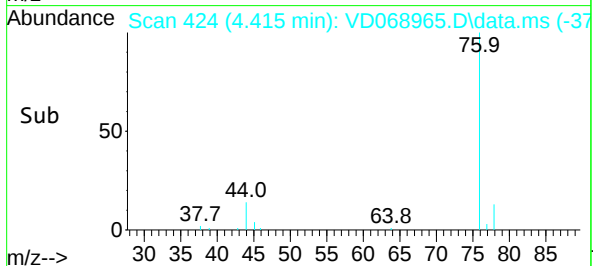


#17
Carbon Disulfide
Concen: 5.11 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

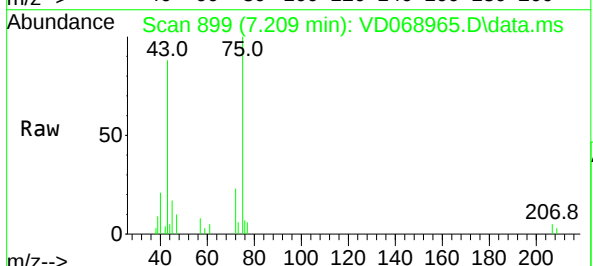
Instrument :
MSVOA_D
ClientSampled :



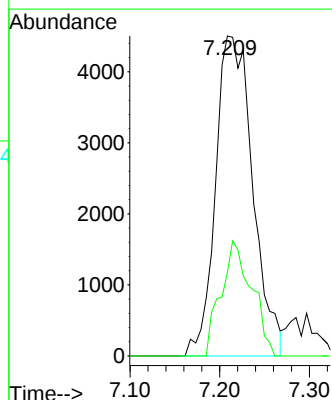
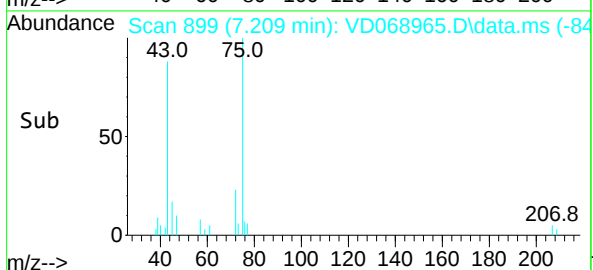
Tgt Ion: 76 Resp: 48374
Ion Ratio Lower Upper
76 100
78 12.7 7.3 10.9#

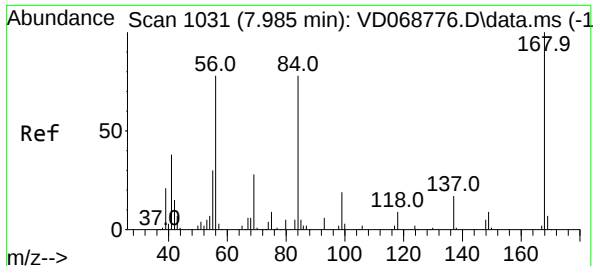


#25
2-Butanone
Concen: 21.38 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08



Tgt Ion: 43 Resp: 12937
Ion Ratio Lower Upper
43 100
72 26.1 28.6 43.0#

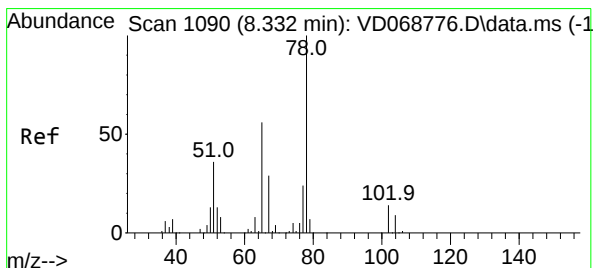
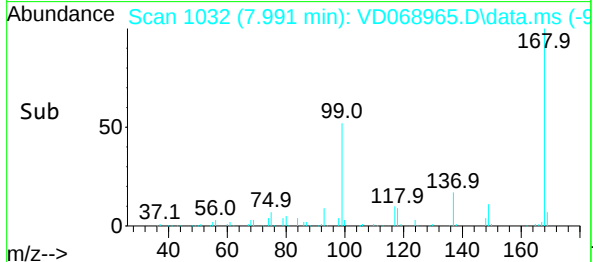
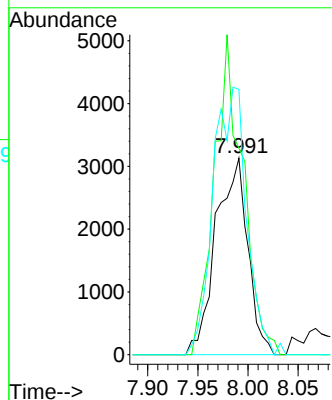
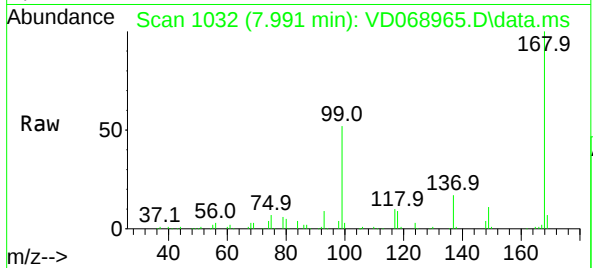




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

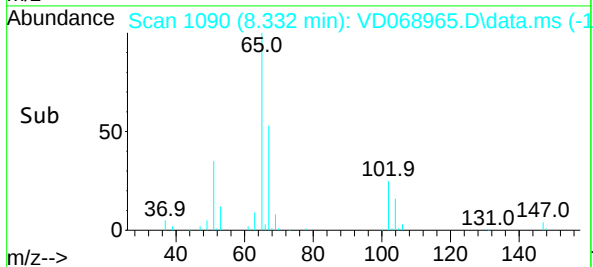
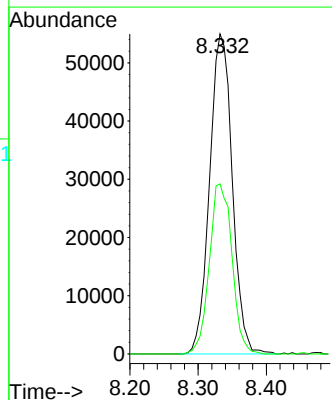
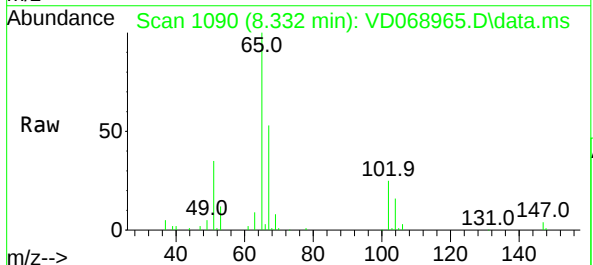
Instrument :
MSVOA_D
ClientSampled :

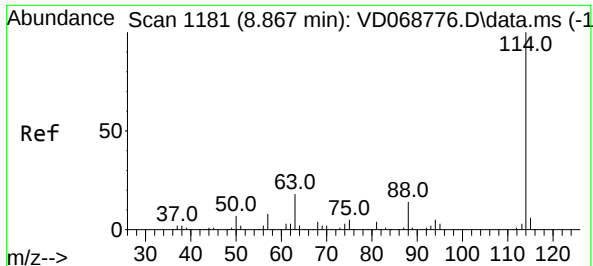
Tgt Ion: 56 Resp: 6914
Ion Ratio Lower Upper
56 100
69 105.2 30.0 45.0#
84 135.0 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 41.23 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Tgt Ion: 65 Resp: 127326
Ion Ratio Lower Upper
65 100
67 53.0 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: VD068965.D

Acq: 23 Apr 2021 14:08

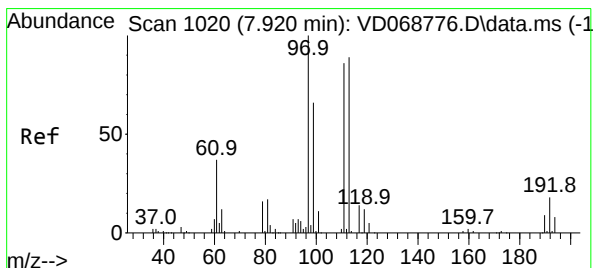
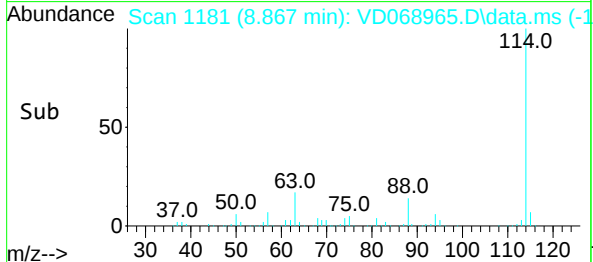
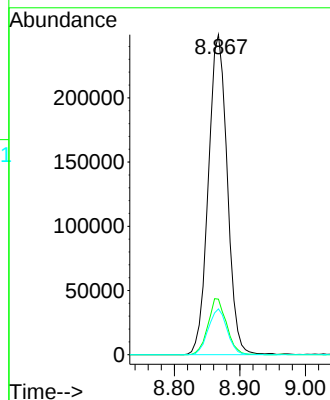
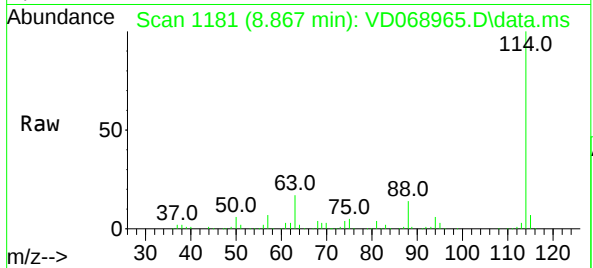
Tgt Ion:114 Resp: 499297

Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.2

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.32 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068965.D

Acq: 23 Apr 2021 14:08

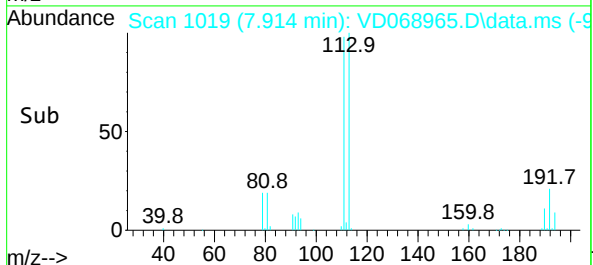
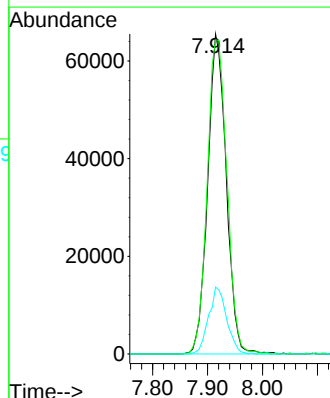
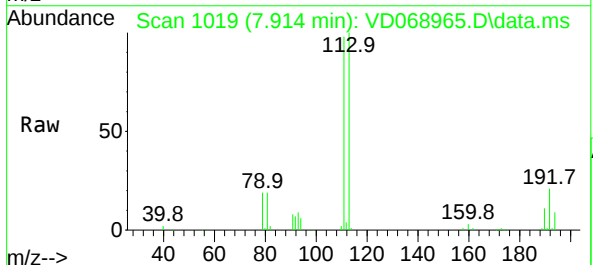
Tgt Ion:113 Resp: 153665

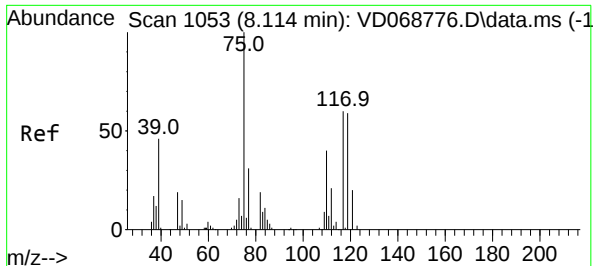
Ion Ratio Lower Upper

113 100

111 104.6 82.5 123.7

192 20.3 15.1 22.7

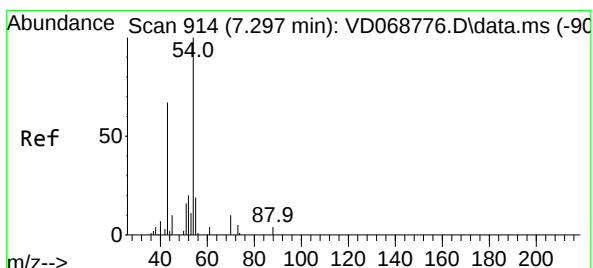
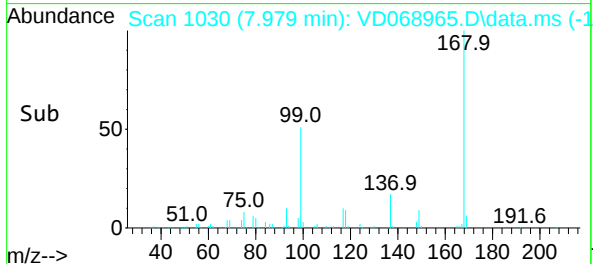
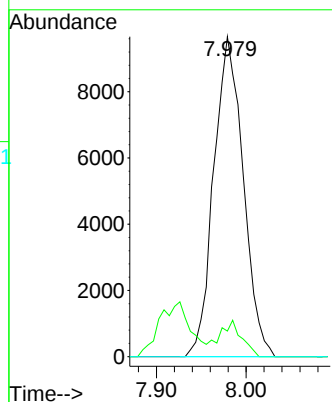
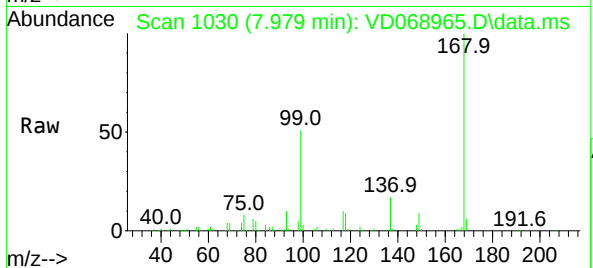




#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

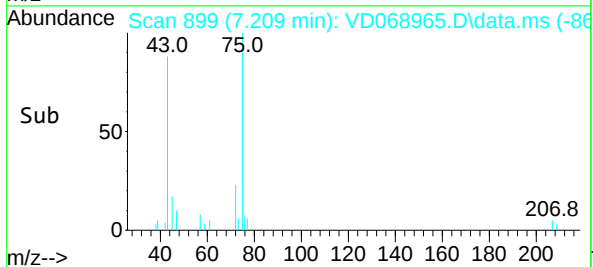
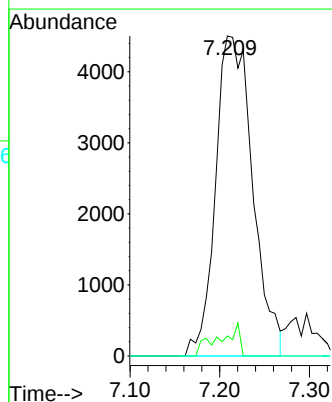
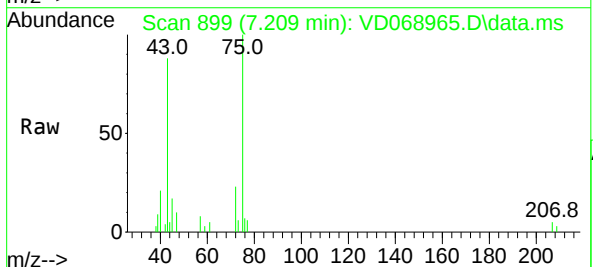
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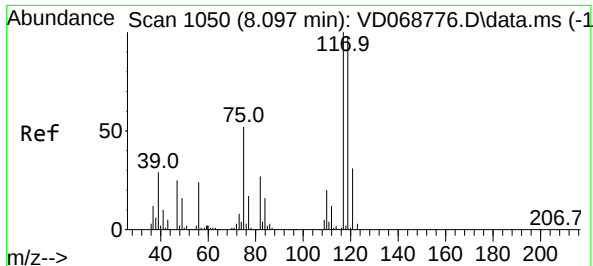
Tgt Ion: 75 Resp: 22009
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 8.71 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.088 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

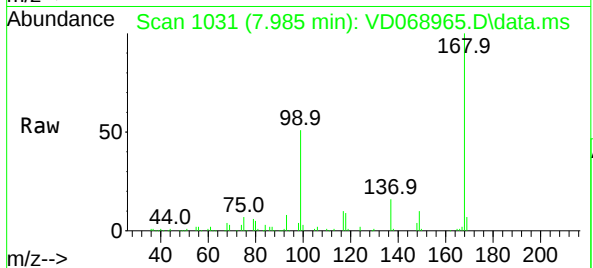
Tgt Ion: 43 Resp: 12937
Ion Ratio Lower Upper
43 100
61 3.9 14.2 21.4#
70 0.0 9.4 14.0#



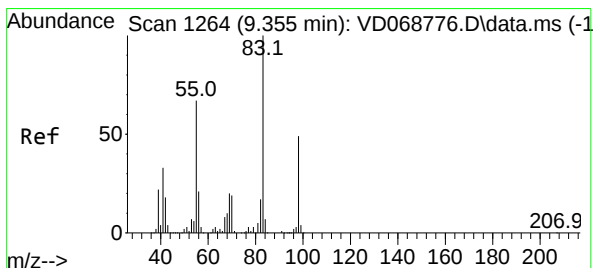
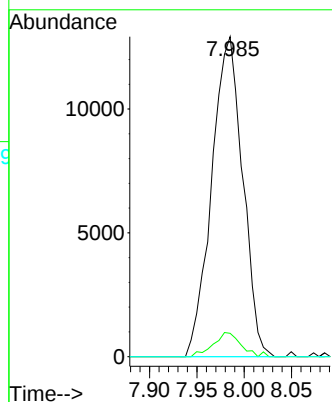
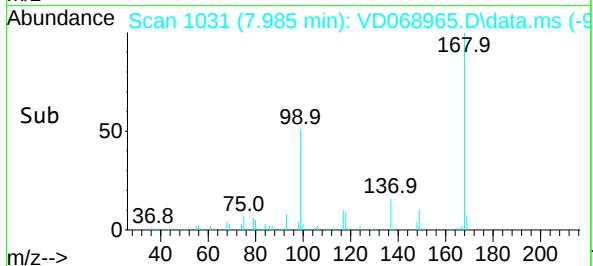


#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

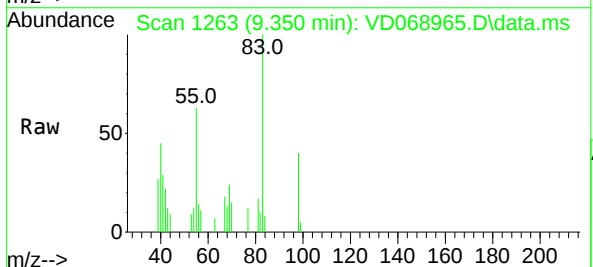
Instrument :
MSVOA_D
ClientSampleId :



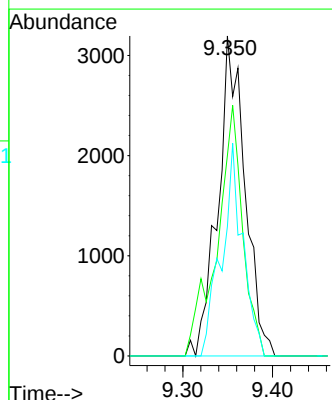
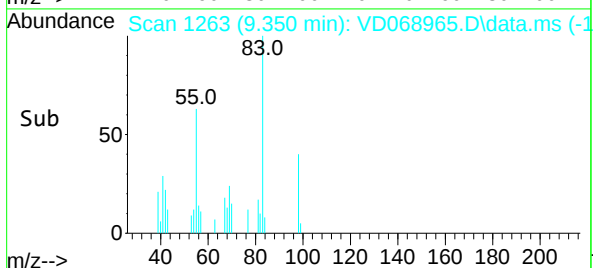
Tgt Ion:117 Resp: 29402
Ion Ratio Lower Upper
117 100
119 7.3 76.6 115.0#
121 0.0 26.1 39.1#

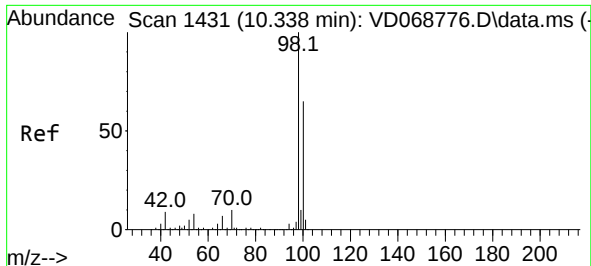


#39
Methylcyclohexane
Concen: 1.14 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08



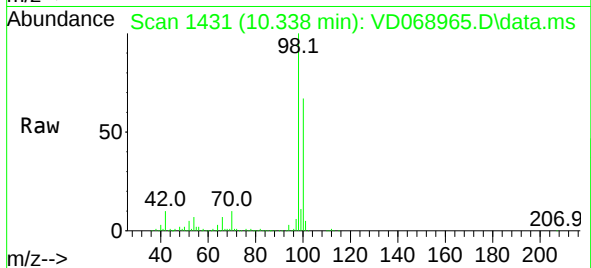
Tgt Ion: 83 Resp: 6698
Ion Ratio Lower Upper
83 100
55 62.6 51.7 77.5
98 40.5 38.8 58.2



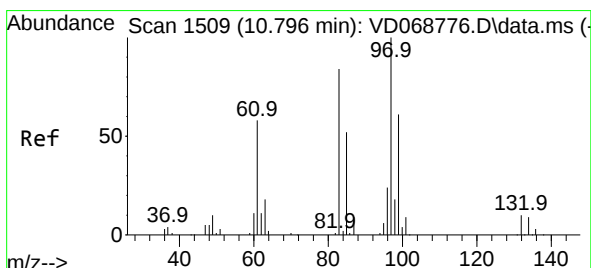
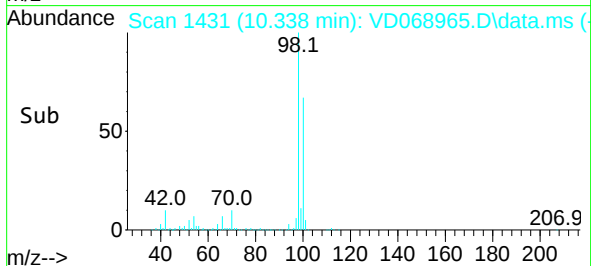
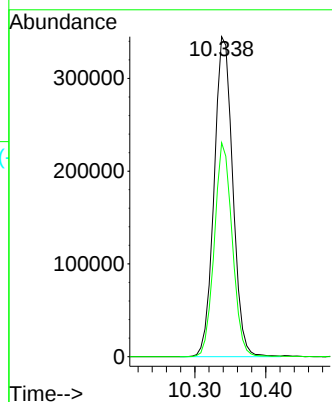


#50
Toluene-d8
Concen: 51.15 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Instrument :
MSVOA_D
ClientSampled :

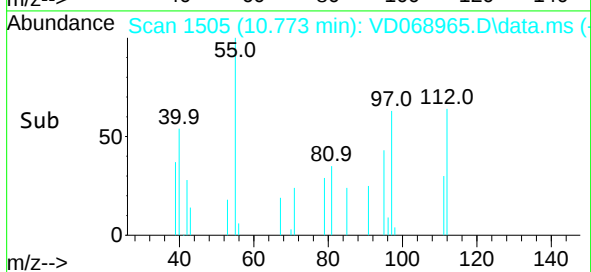
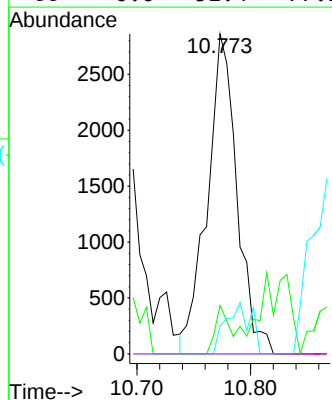
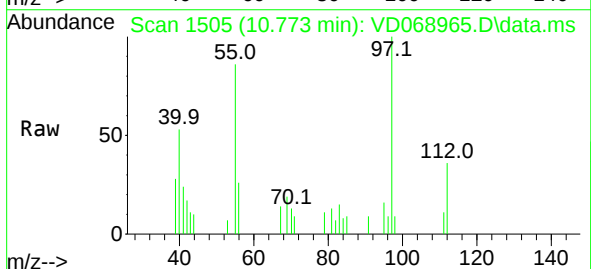


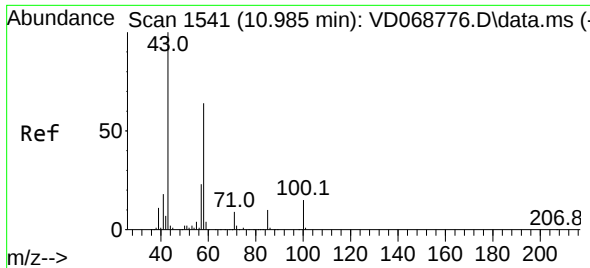
Tgt Ion: 98 Resp: 626652
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.87 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Tgt Ion: 97 Resp: 5203
Ion Ratio Lower Upper
97 100
83 15.2 65.7 98.5#
85 8.8 44.3 66.5#
99 0.0 51.4 77.2#

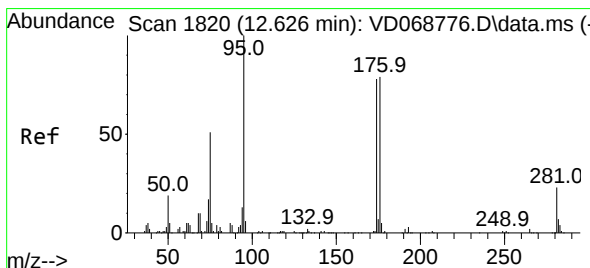
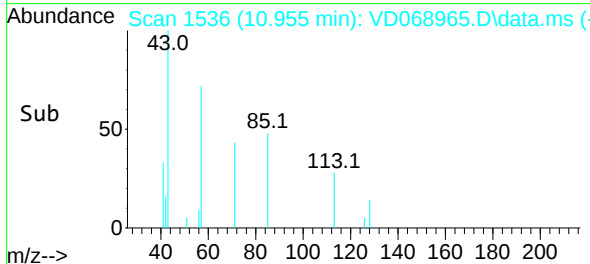
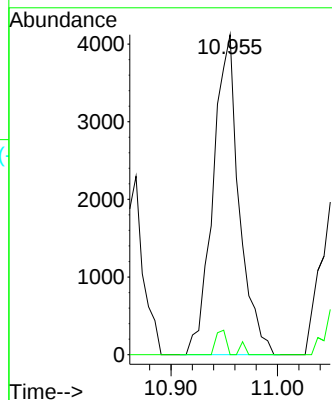
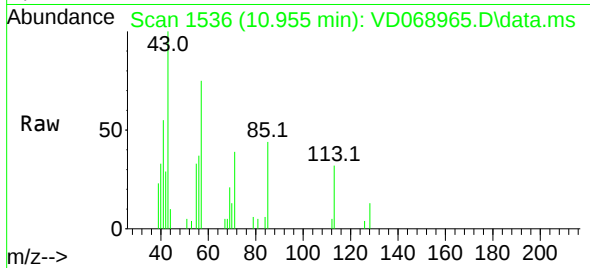




#59
2-Hexanone
Concen: 6.87 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

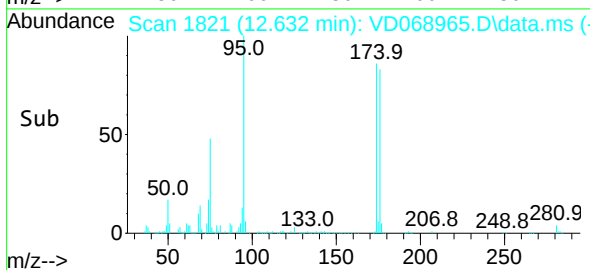
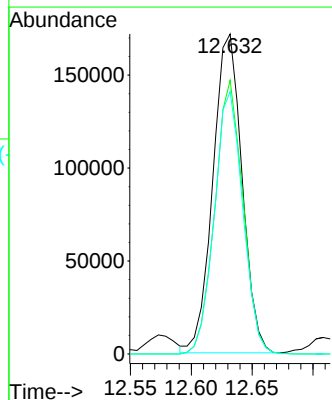
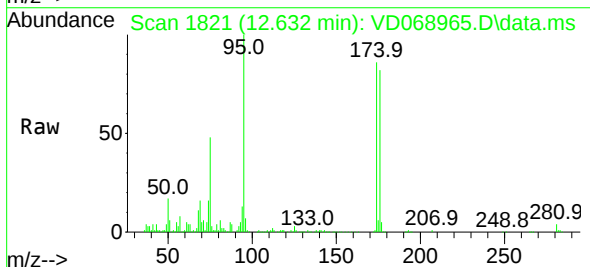
Instrument :
MSVOA_D
ClientSampled :

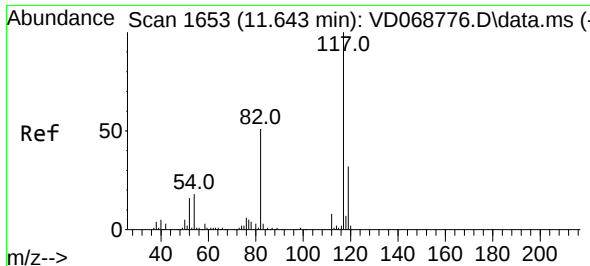
Tgt Ion: 43 Resp: 7013
Ion Ratio Lower Upper
43 100
58 3.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 70.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Tgt Ion: 95 Resp: 285125
Ion Ratio Lower Upper
95 100
174 82.6 0.0 168.0
176 80.4 0.0 160.2

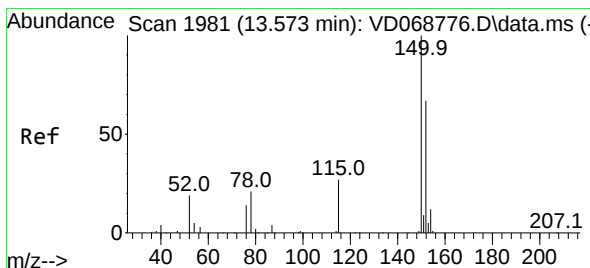
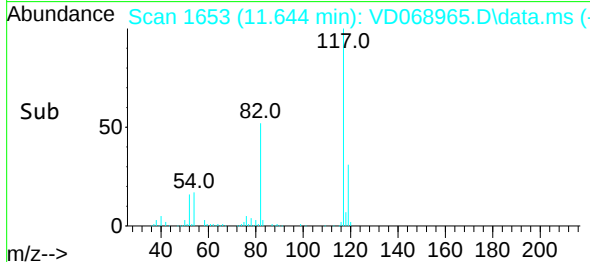
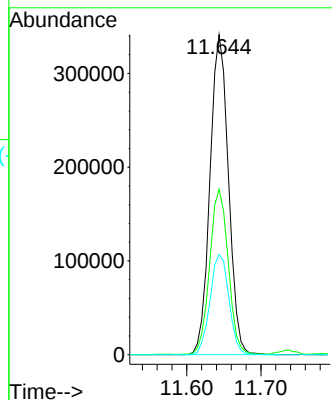
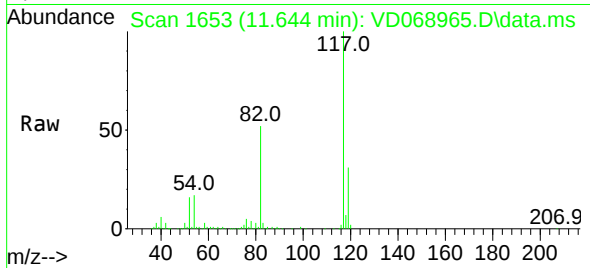




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

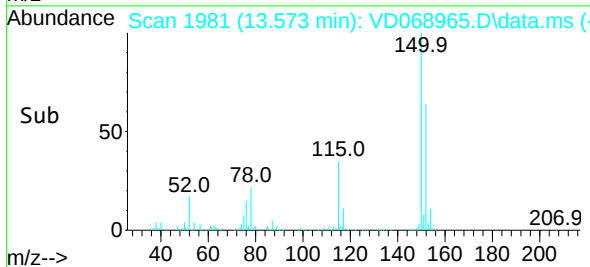
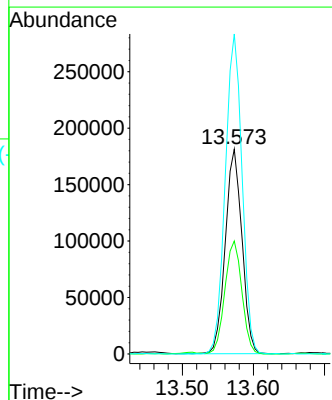
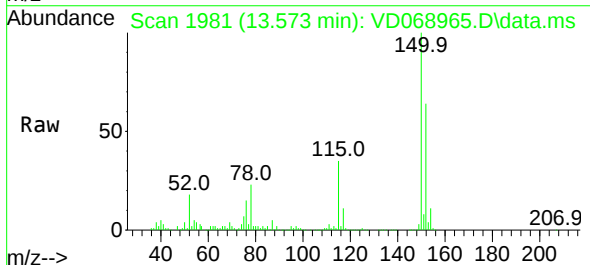
Instrument :
MSVOA_D
ClientSampleId :

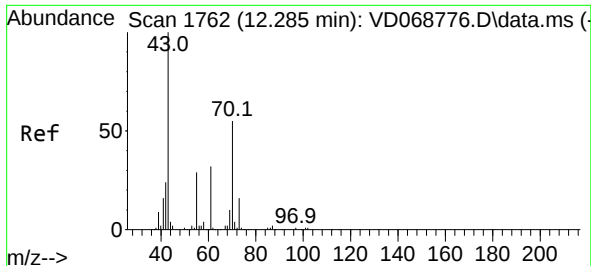
Tgt Ion:117 Resp: 590454
Ion Ratio Lower Upper
117 100
82 51.6 43.5 65.3
119 31.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

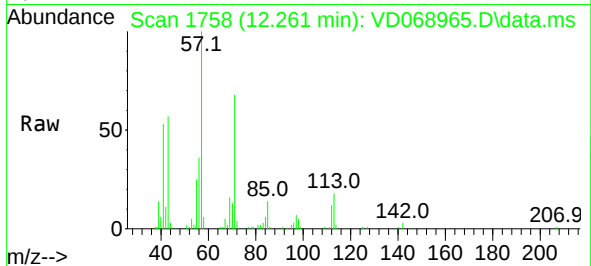
Tgt Ion:152 Resp: 294842
Ion Ratio Lower Upper
152 100
115 56.4 29.3 87.8
150 157.6 0.0 347.6



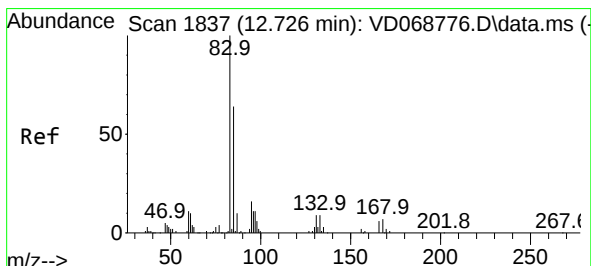
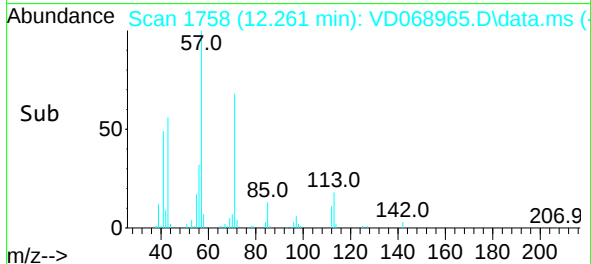
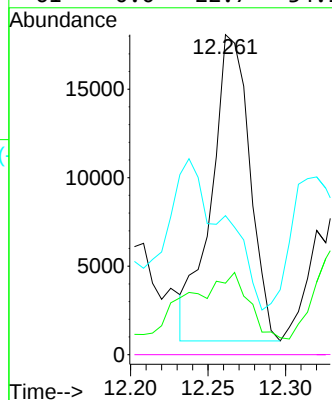


#74
N-amy1 acetate
Concen: 8.18 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Instrument :
MSVOA_D
ClientSampled :

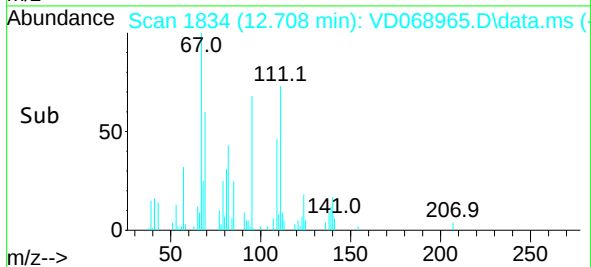
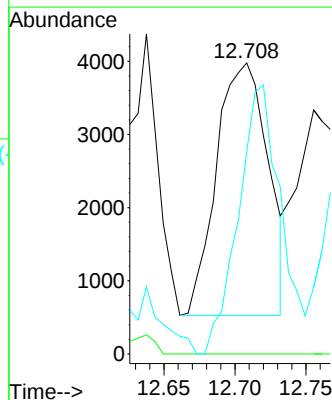
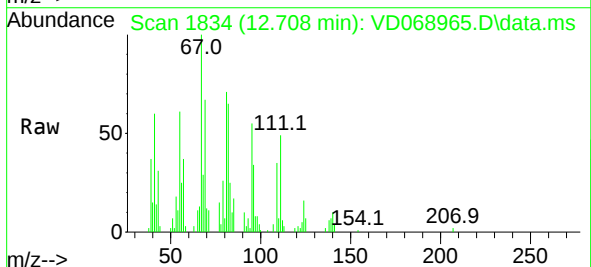


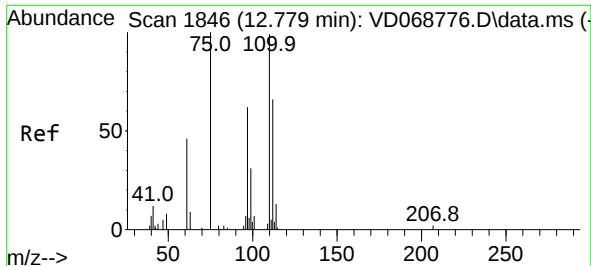
Tgt Ion: 43 Resp: 29870
Ion Ratio Lower Upper
43 100
70 33.6 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.16 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.018 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

Tgt Ion: 83 Resp: 8681
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 87.7 32.0 96.0

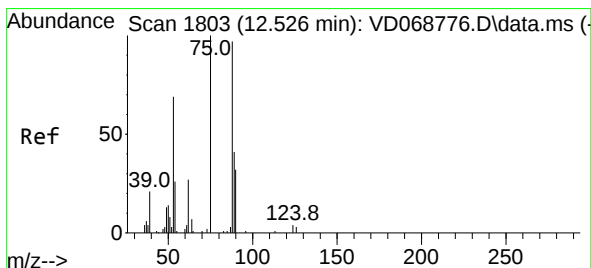
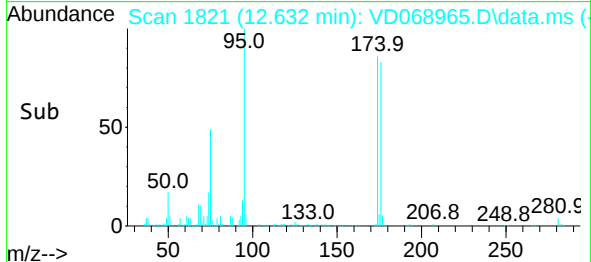
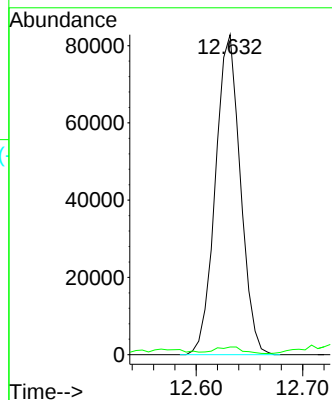
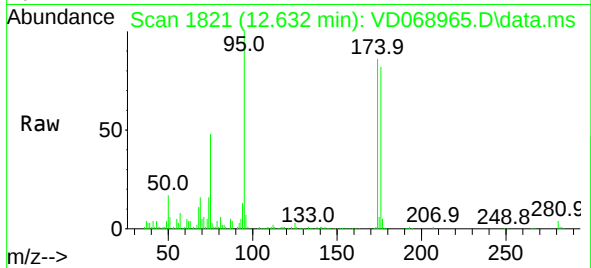




#76
1,2,3-Trichloropropane
Concen: 49.98 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

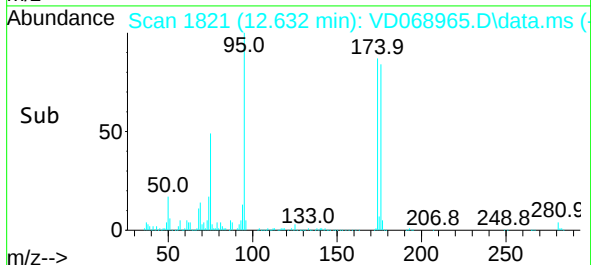
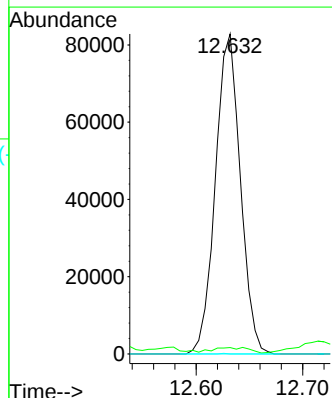
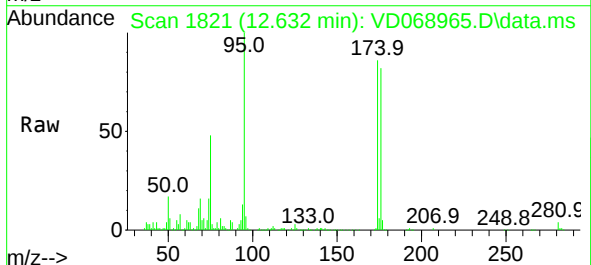
Instrument :
MSVOA_D
ClientSampleId :

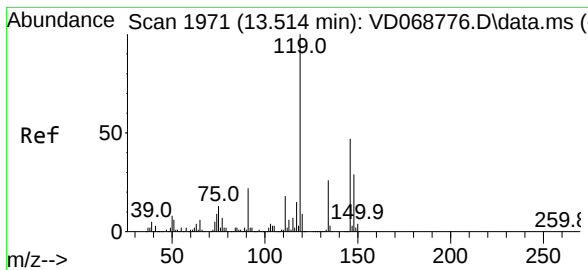
Tgt Ion: 75 Resp: 134627
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.99 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068965.D
Acq: 23 Apr 2021 14:08

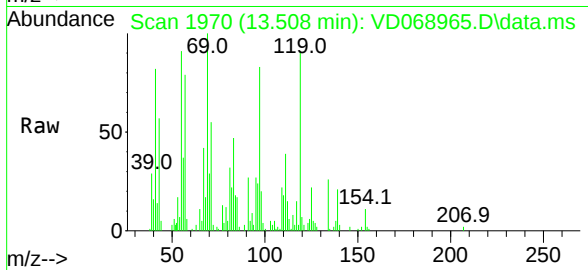
Tgt Ion: 75 Resp: 134627
Ion Ratio Lower Upper
75 100
53 2.5 66.8 100.2#
89 0.0 36.6 54.8#





#86
 p-Isopropyltoluene
 Concen: 1.28 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.006 min
 Lab File: VD068965.D
 Acq: 23 Apr 2021 14:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	119	Resp:	25160
Ion Ratio	100	Lower	Upper
119	100		
134	27.2	13.3	39.9
91	21.9	11.1	33.1

