

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010621\
 Data File : VD068018.D
 Acq On : 06 Jan 2021 17:17
 Operator : VA/SY
 Sample : M1025-01
 Misc : 8.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-010621

Quant Time: Jan 07 00:11:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

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

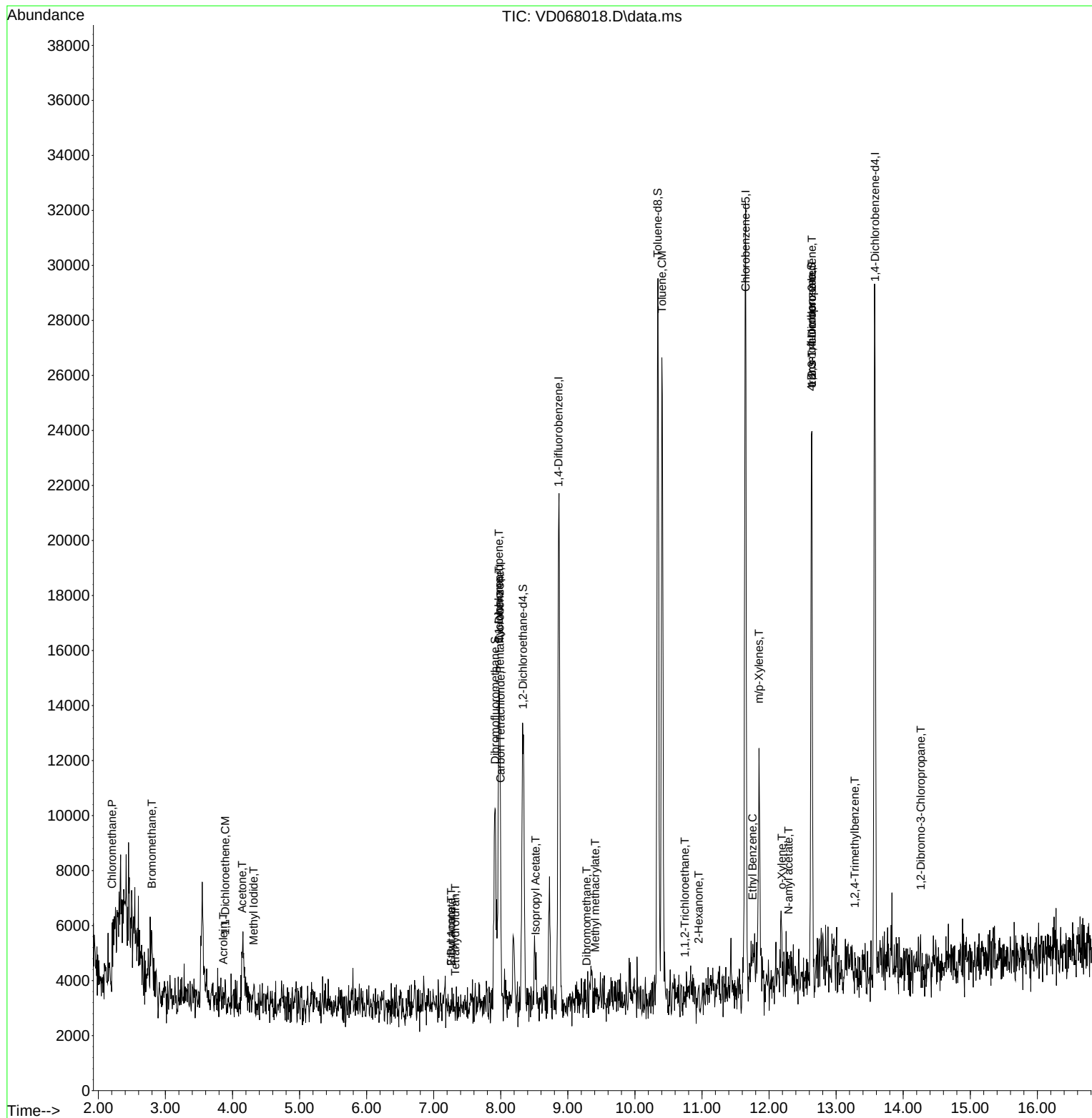
Internal Standards						
1) Pentafluorobenzene	7.985	168	7745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	15411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	6743	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8647	103.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.78%#			
35) Dibromofluoromethane	7.914	113	5899	61.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.62%			
50) Toluene-d8	10.338	98	17979	50.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.24%			
62) 4-Bromofluorobenzene	12.632	95	6633	54.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.10%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	601	5.57	ug/l #	42
5) Bromomethane	2.797	94	1481	20.54	ug/l	85
10) Methyl Iodide	4.314	142	537	9.35	ug/l #	71
12) 1,1-Dichloroethene	3.891	96	88	1.04	ug/l #	1
13) Acrolein	3.861	56	59	9.91	ug/l #	13
16) Acetone	4.144	43	3902	244.37	ug/l #	80
20) Methylene Chloride	4.985	84	69	Below Cal	#	7
25) 2-Butanone	7.261	43	74	3.14	ug/l #	49
29) Tetrahydrofuran	7.320	42	56	3.52	ug/l #	36
31) Cyclohexane	7.973	56	826	4.83	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	1006	6.25	ug/l #	42
37) Ethyl Acetate	7.261	43	74	1.14	ug/l #	70
38) Carbon Tetrachloride	7.997	117	566	3.68	ug/l #	12
43) Isopropyl Acetate	8.520	43	294	2.46	ug/l #	51
46) Dibromomethane	9.279	93	60	1.04	ug/l #	5
48) Methyl methacrylate	9.408	41	137	2.22	ug/l #	17
52) Toluene	10.402	92	10111	35.07	ug/l	94
55) 1,1,2-Trichloroethane	10.743	97	150	1.86	ug/l #	16
59) 2-Hexanone	10.949	43	73	1.79	ug/l #	24
67) Ethyl Benzene	11.755	91	1612	2.72	ug/l #	44
68) m/p-Xylenes	11.849	106	1659	7.34	ug/l #	71
69) o-Xylene	12.190	106	615	3.04	ug/l	99
74) N-amyl acetate	12.290	43	162	1.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.638	75	3385	59.62	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.638	75	3385	122.22	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.279	105	578	1.39	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.261	75	80	5.50	ug/l #	4

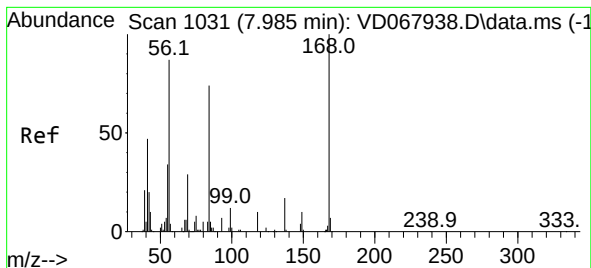
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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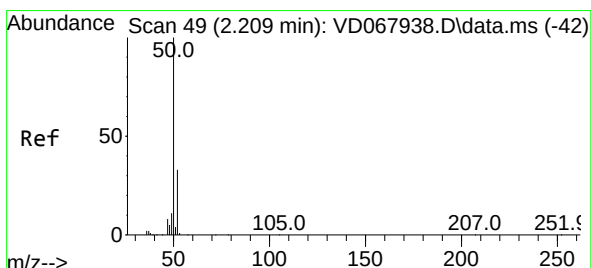
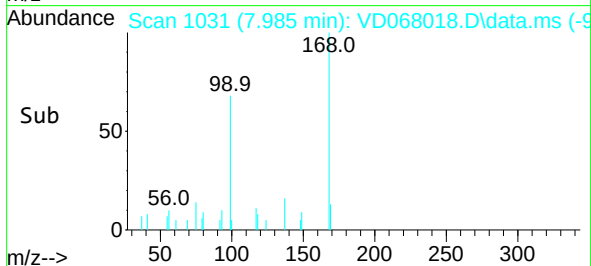
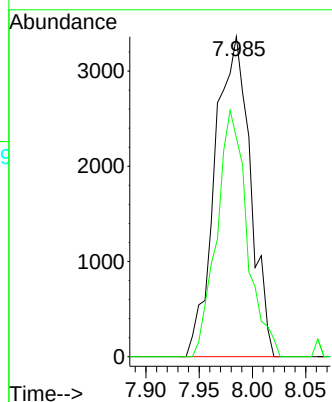
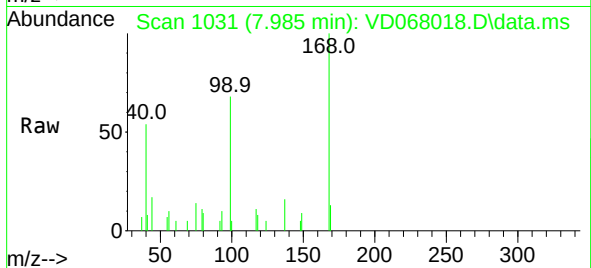




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

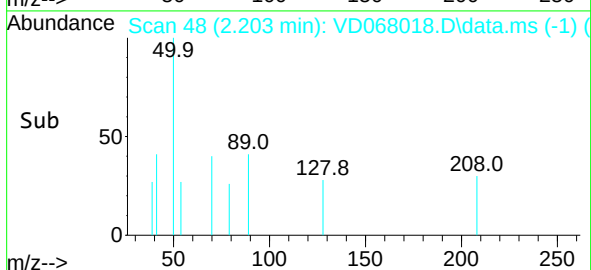
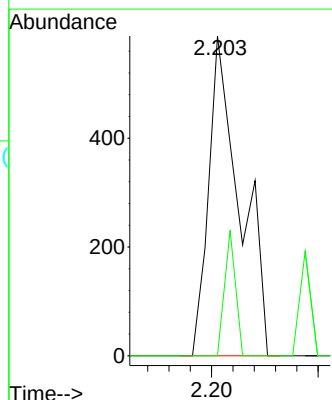
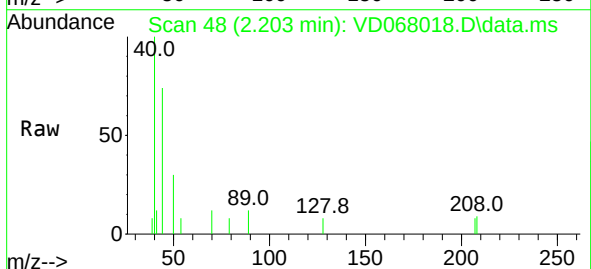
Instrument :
MSVOA_D
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HD-01-010621

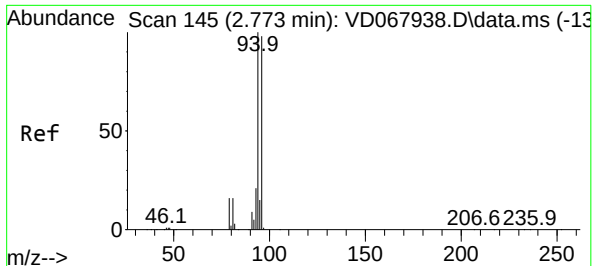
Tgt Ion:168 Resp: 7745
Ion Ratio Lower Upper
168 100
99 68.4 48.0 72.0



#3
Chloromethane
Concen: 5.57 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

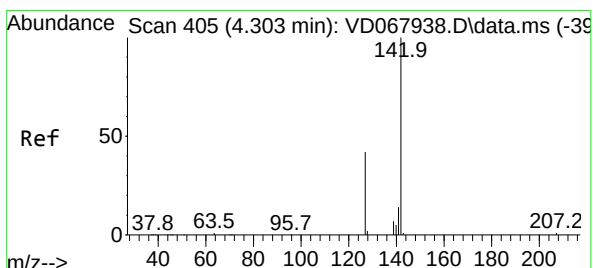
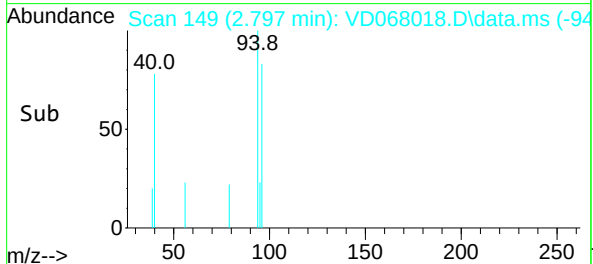
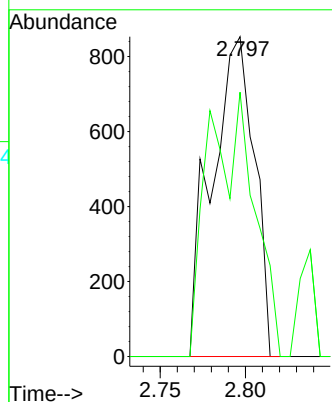
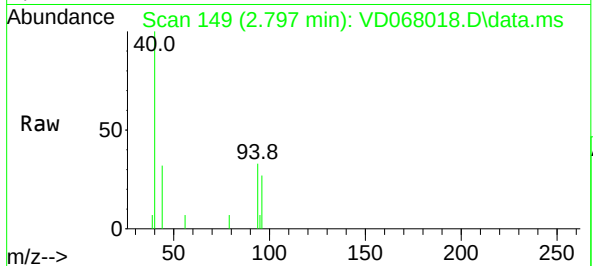




#5
Bromomethane
Concen: 20.54 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.024 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

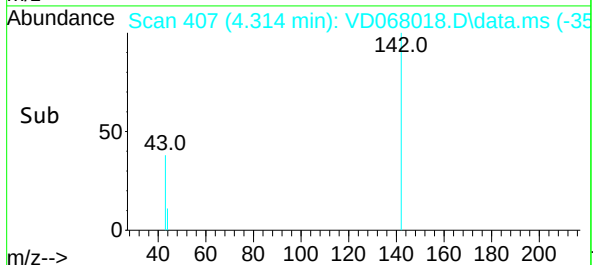
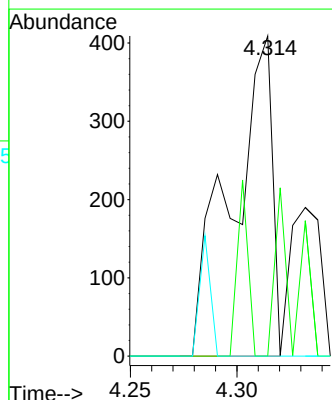
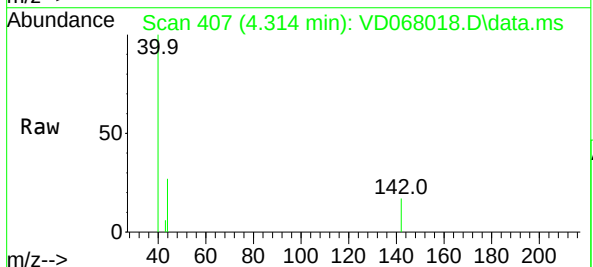
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

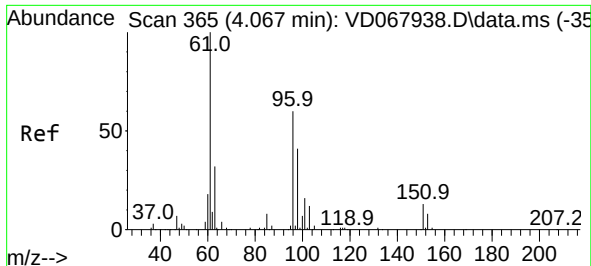
Tgt Ion: 94 Resp: 1481
Ion Ratio Lower Upper
94 100
96 82.6 78.0 117.0



#10
Methyl Iodide
Concen: 9.35 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 142 Resp: 537
Ion Ratio Lower Upper
142 100
127 25.5 34.4 51.6#
141 0.0 11.8 17.8#





#12

1,1-Dichloroethene

Concen: 1.04 ug/l

RT: 3.891 min Scan# 335

Delta R.T. -0.176 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

Tgt Ion: 96 Resp: 88

Ion Ratio Lower Upper

96 100

61 0.0 133.6 200.4#

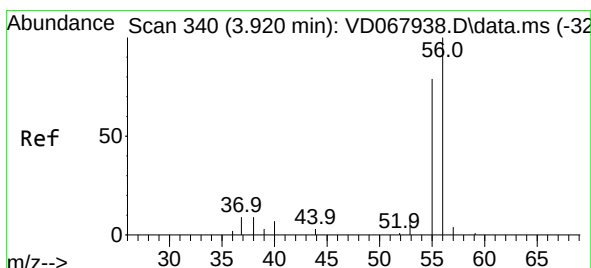
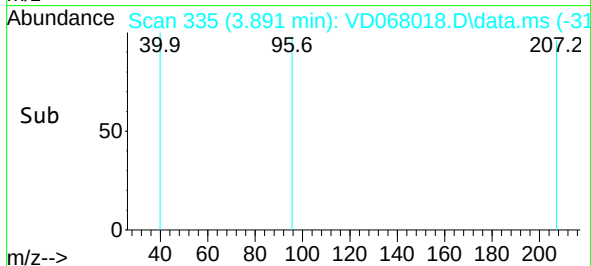
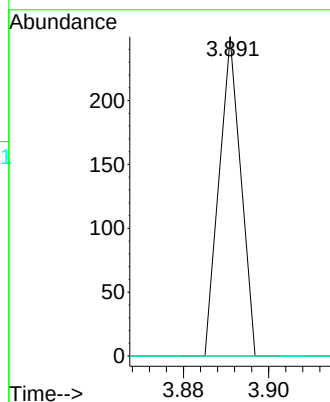
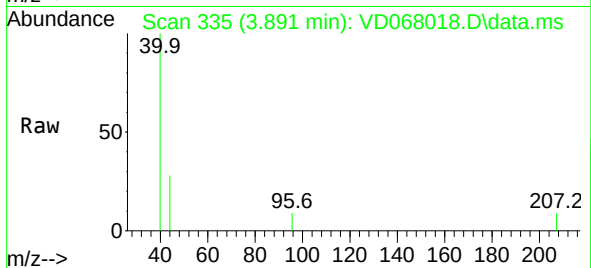
98 0.0 54.8 82.2#

Instrument :

MSVOA_D

ClientSampleId :

HD-01-010621



#13

Acrolein

Concen: 9.91 ug/l

RT: 3.861 min Scan# 330

Delta R.T. -0.059 min

Lab File: VD068018.D

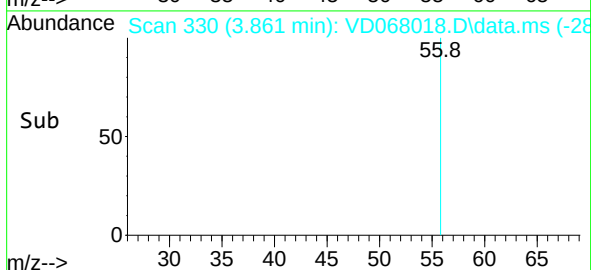
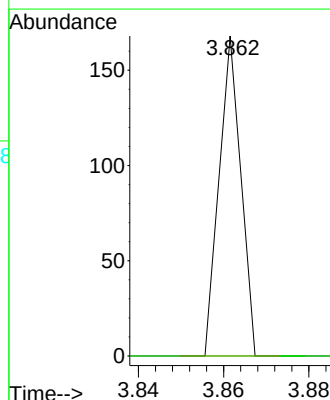
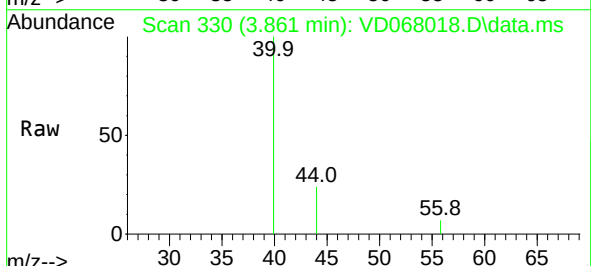
Acq: 06 Jan 2021 17:17

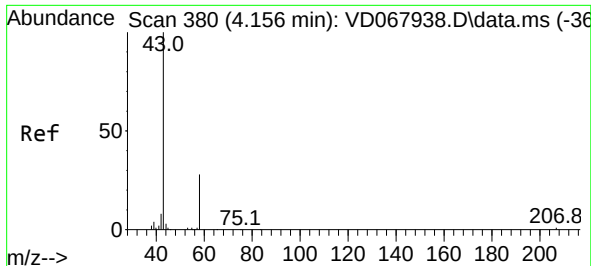
Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

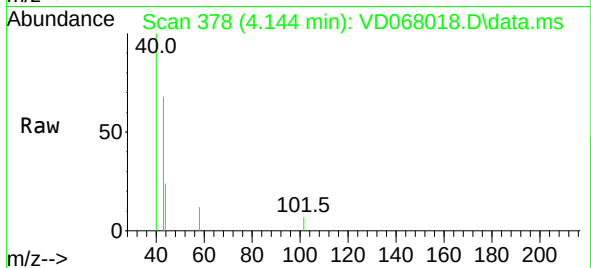
55 0.0 58.5 87.7#



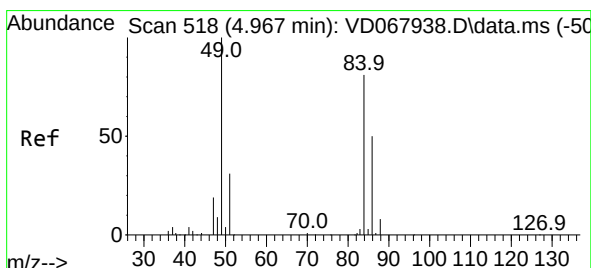
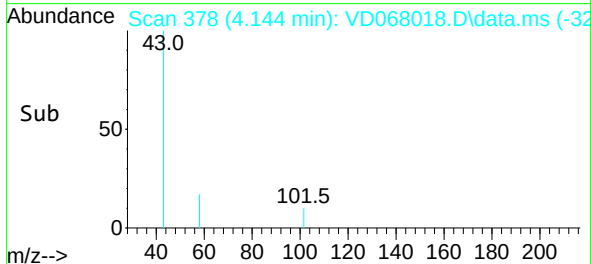
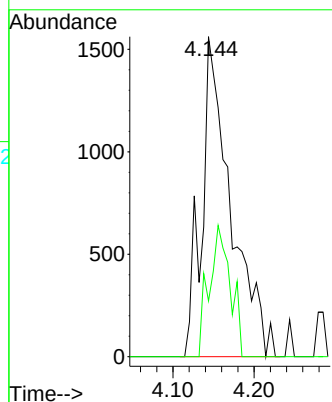


#16
Acetone
Concen: 244.37 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

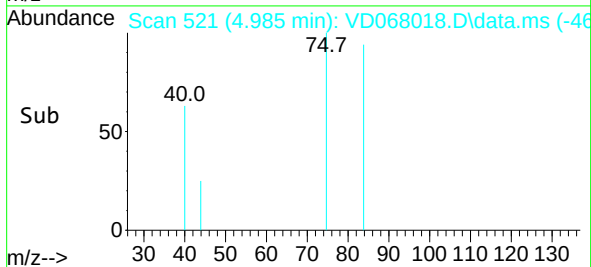
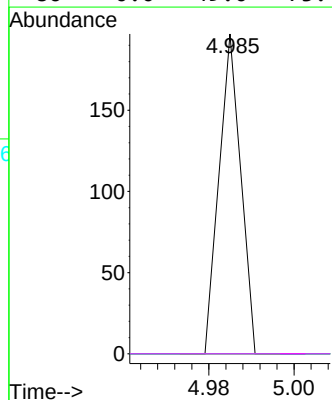
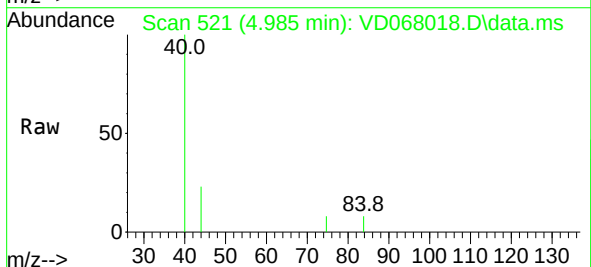


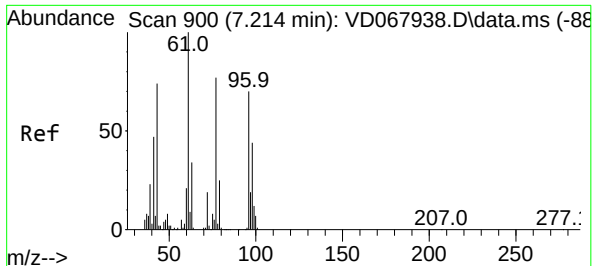
Tgt Ion: 43 Resp: 3902
Ion Ratio Lower Upper
43 100
58 17.4 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.985 min Scan# 521
Delta R.T. 0.018 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 84 Resp: 69
Ion Ratio Lower Upper
84 100
49 0.0 98.3 147.5#
51 0.0 30.3 45.5#
86 0.0 49.0 73.4#





#25

2-Butanone

Concen: 3.14 ug/l

RT: 7.261 min Scan# 908

Delta R.T. 0.047 min

Lab File: VD068018.D

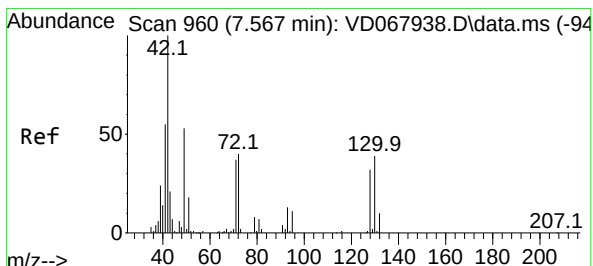
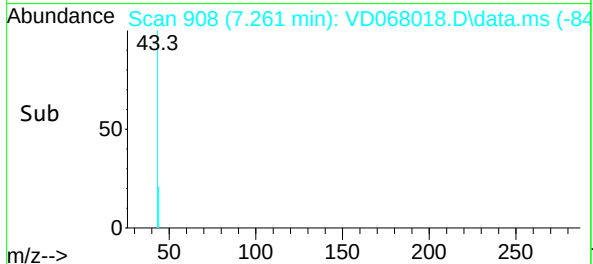
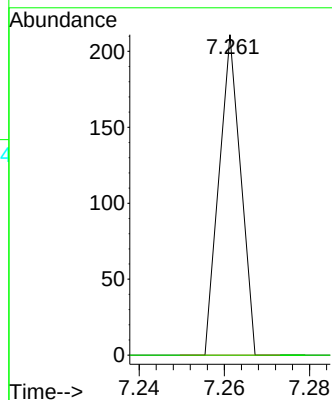
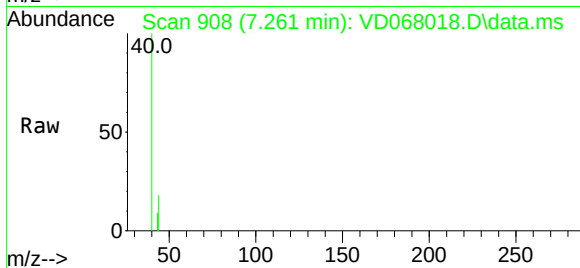
Acq: 06 Jan 2021 17:17

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#29

Tetrahydrofuran

Concen: 3.52 ug/l

RT: 7.320 min Scan# 918

Delta R.T. -0.247 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

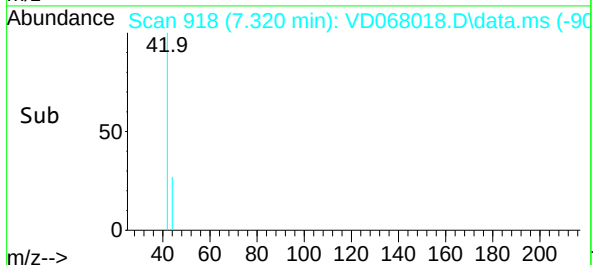
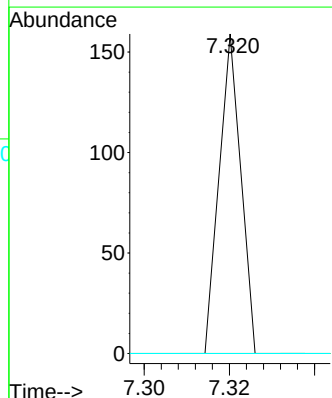
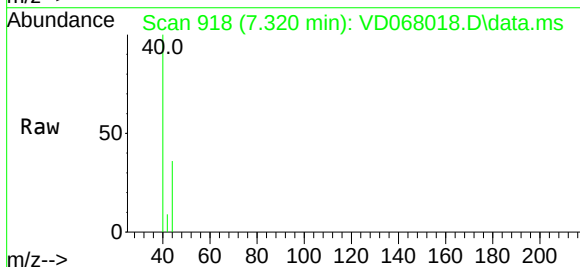
Tgt Ion: 42 Resp: 56

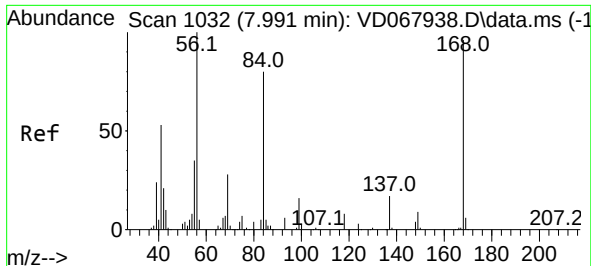
Ion Ratio Lower Upper

42 100

72 0.0 32.9 49.3#

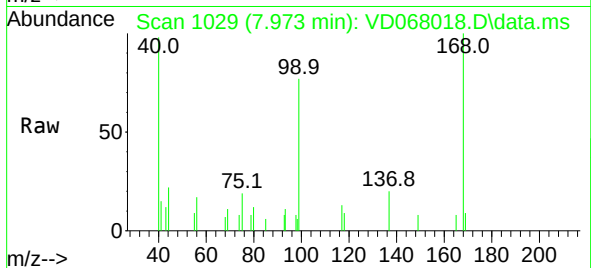
71 0.0 29.9 44.9#



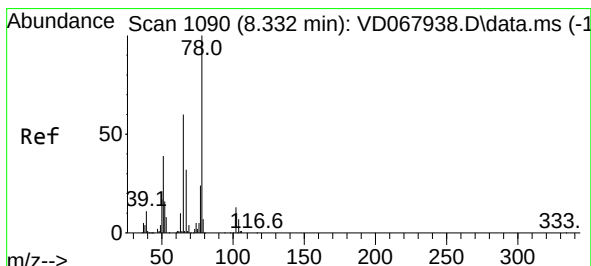
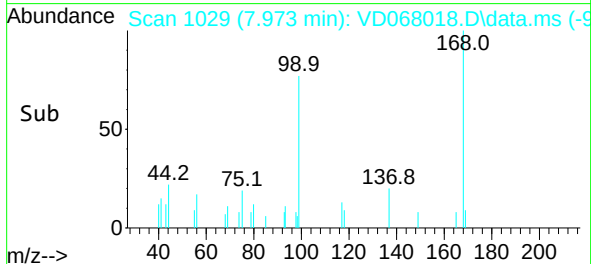
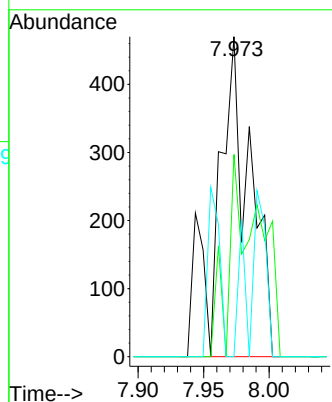


#31
Cyclohexane
Concen: 4.83 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.018 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Instrument :
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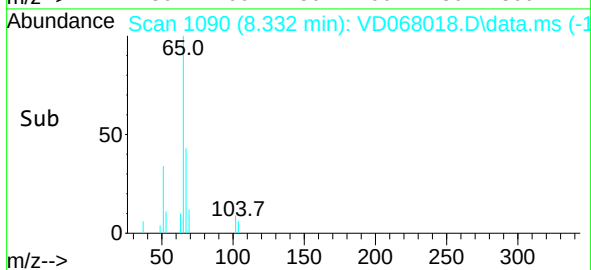
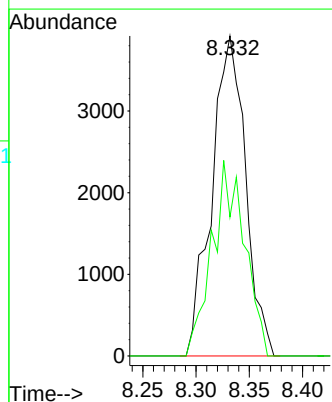
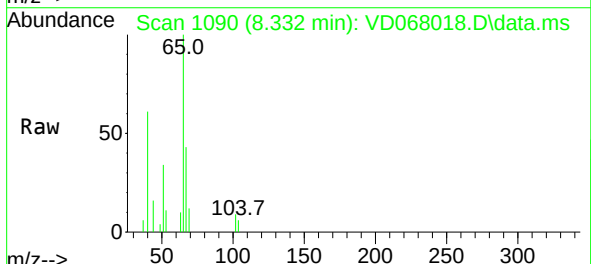


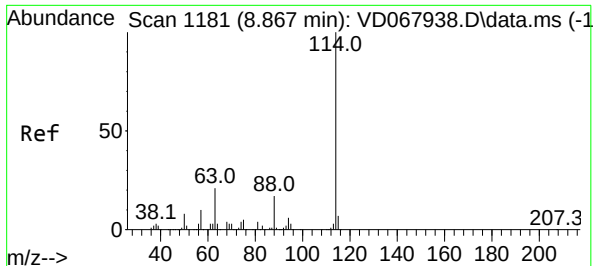
Tgt Ion: 56 Resp: 826
Ion Ratio Lower Upper
56 100
69 63.2 22.7 34.1#
84 0.0 64.2 96.4#



#33
1,2-Dichloroethane-d4
Concen: 103.39 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 65 Resp: 8647
Ion Ratio Lower Upper
65 100
67 58.5 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

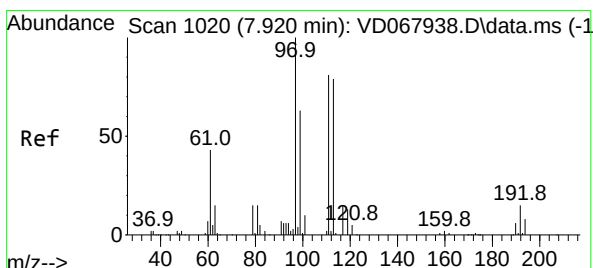
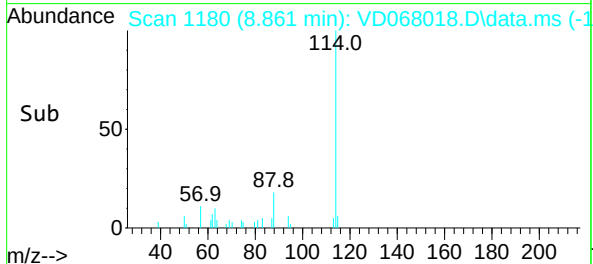
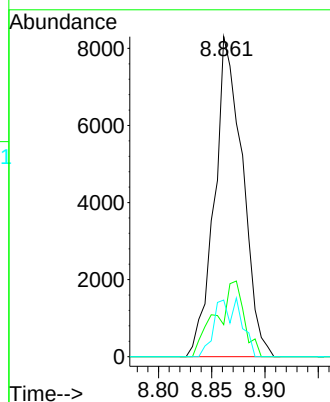
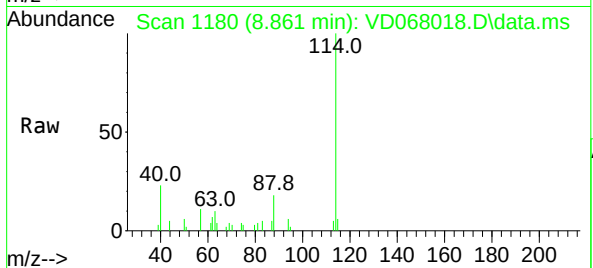
Delta R.T. -0.006 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

Tgt Ion:	114	Resp:	15147
Ion	Ratio	Lower	Upper
114	100		
63	10.0	0.0	41.4
88	17.7	0.0	33.2

Instrument :
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ClientSampleId :
HD-01-010621



#35

Dibromofluoromethane

Concen: 61.81 ug/l

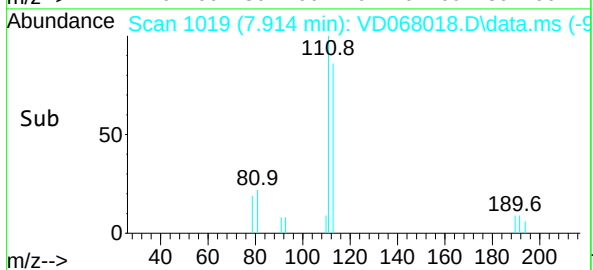
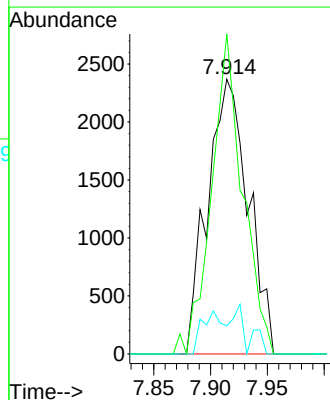
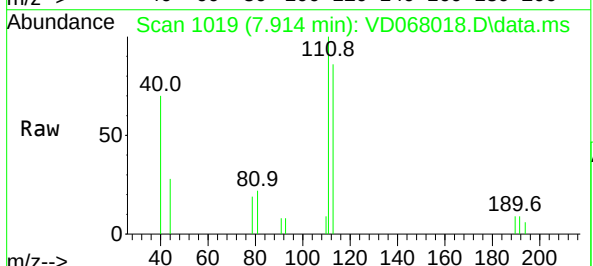
RT: 7.914 min Scan# 1019

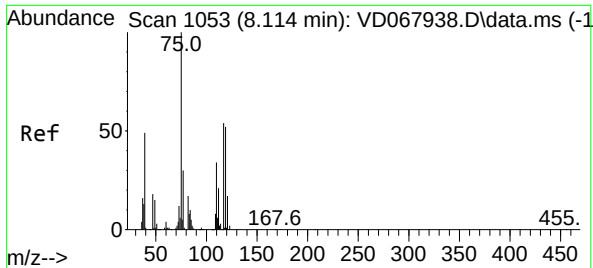
Delta R.T. -0.006 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

Tgt Ion:	113	Resp:	5899
Ion	Ratio	Lower	Upper
113	100		
111	89.0	79.3	118.9
192	8.6	14.5	21.7

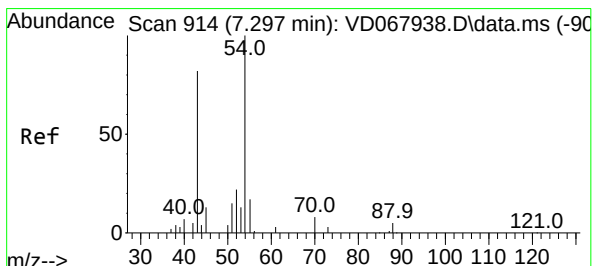
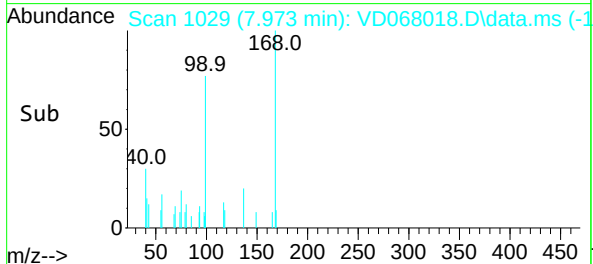
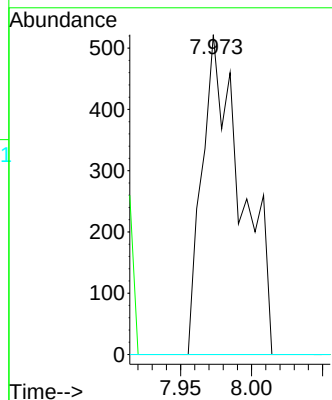
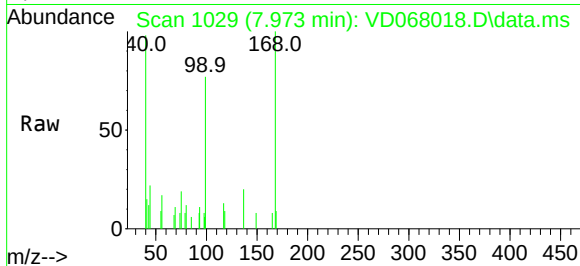




#36
1,1-Dichloropropene
Concen: 6.25 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

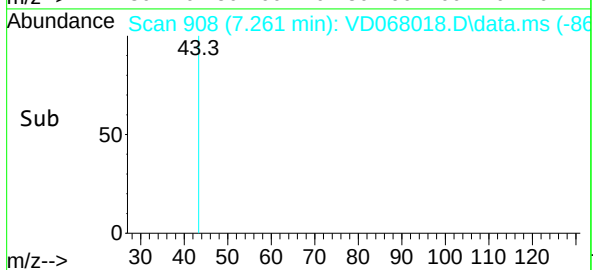
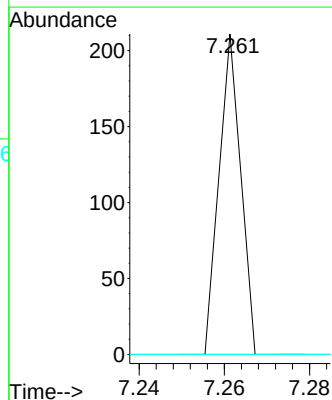
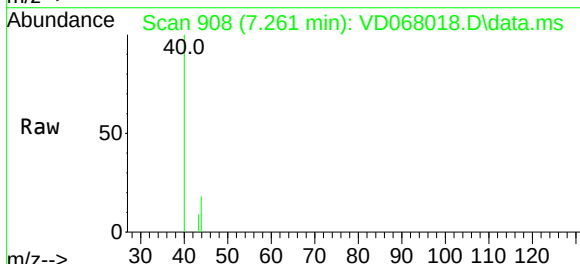
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

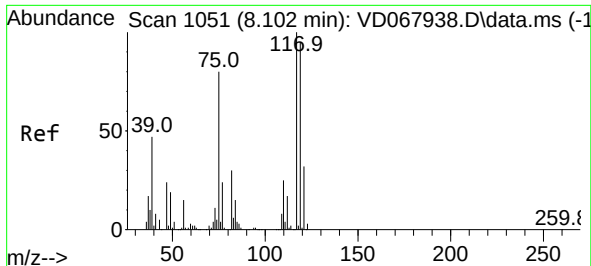
Tgt Ion: 75 Resp: 1006
Ion Ratio Lower Upper
75 100
110 0.0 17.0 51.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.14 ug/l
RT: 7.261 min Scan# 908
Delta R.T. -0.035 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

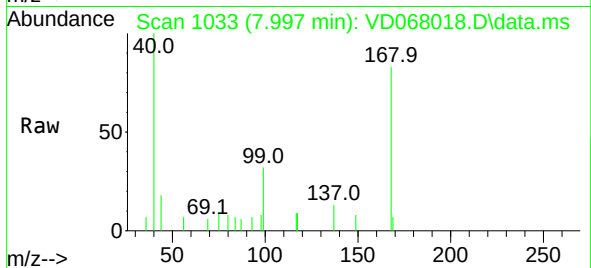
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.3 12.5#



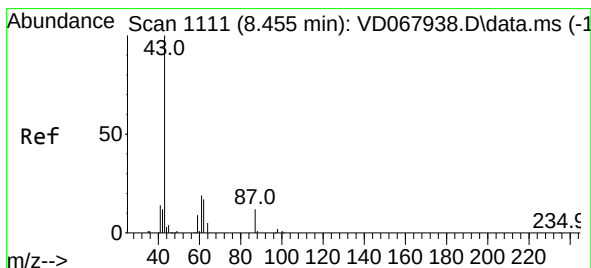
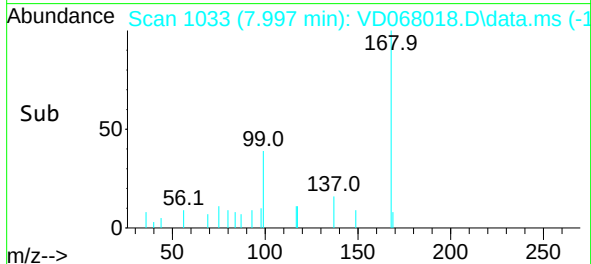
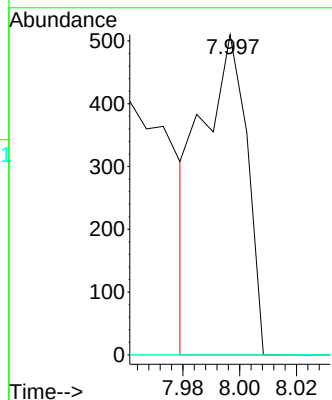


#38
Carbon Tetrachloride
Concen: 3.68 ug/l
RT: 7.997 min Scan# 1033
Delta R.T. -0.106 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

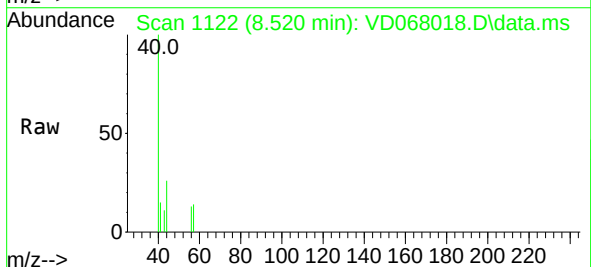
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621



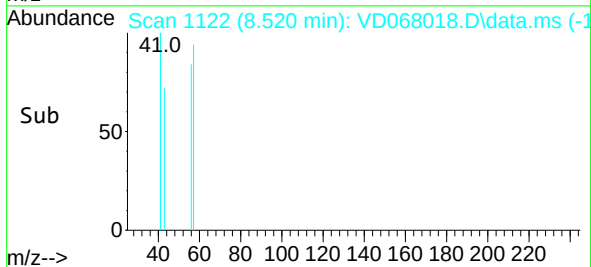
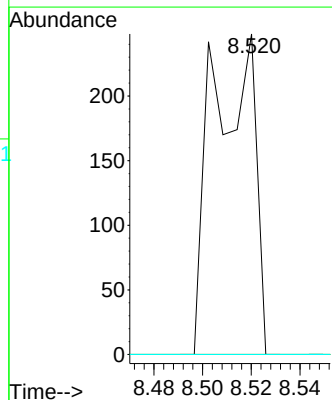
Tgt Ion: 117 Resp: 566
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 25.9 38.9#

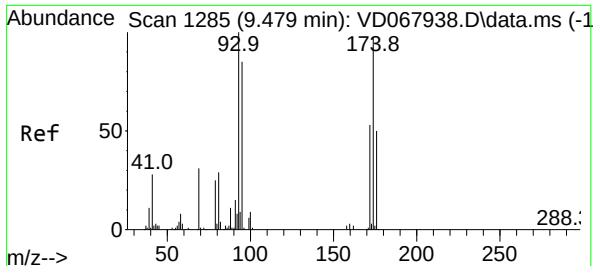


#43
Isopropyl Acetate
Concen: 2.46 ug/l
RT: 8.520 min Scan# 1122
Delta R.T. 0.065 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17



Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
61 0.0 24.5 36.7#
87 0.0 9.8 14.8#





#46

Dibromomethane

Concen: 1.04 ug/l

RT: 9.279 min Scan# 1251

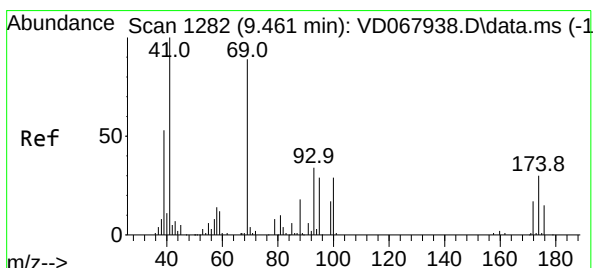
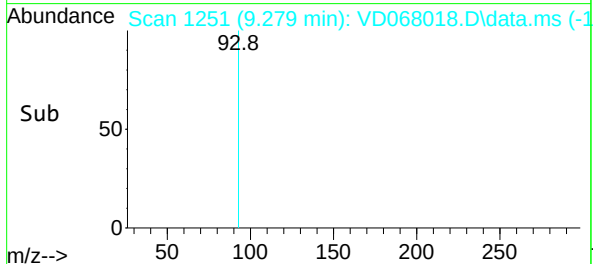
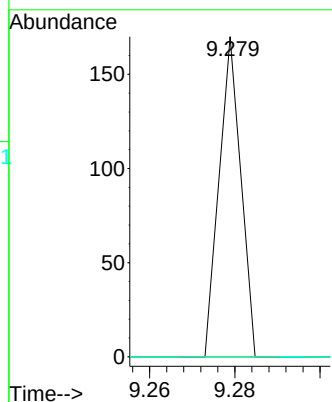
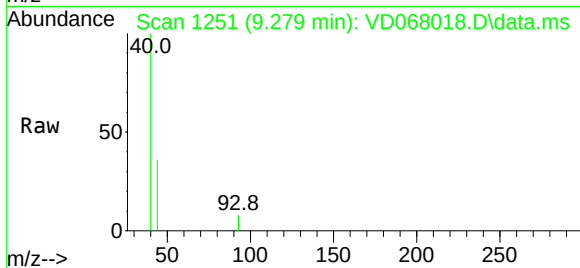
Delta R.T. -0.200 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

Tgt Ion:	93	Resp:	60
Ion	Ratio	Lower	Upper
93	100		
95	0.0	68.0	102.0#
174	0.0	74.7	112.1#

Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621



#48

Methyl methacrylate

Concen: 2.22 ug/l

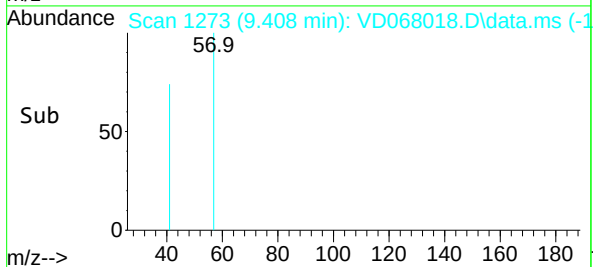
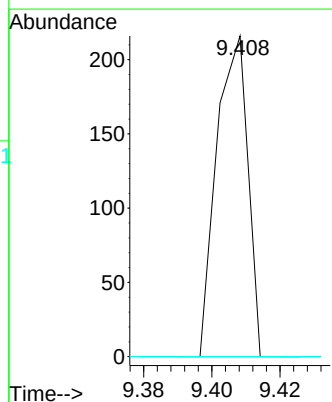
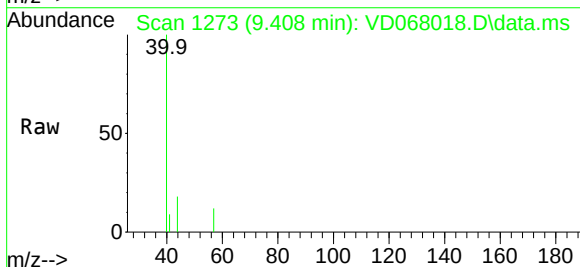
RT: 9.408 min Scan# 1273

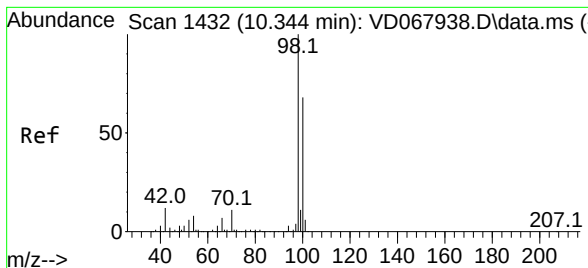
Delta R.T. -0.053 min

Lab File: VD068018.D

Acq: 06 Jan 2021 17:17

Tgt Ion:	41	Resp:	137
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.9	95.9#
39	0.0	37.4	56.0#

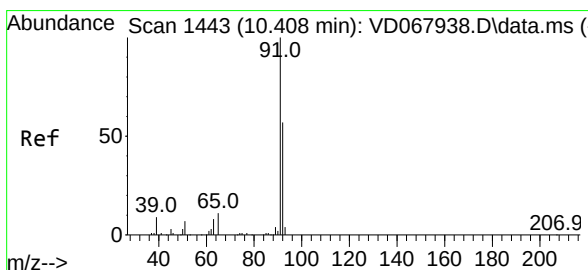
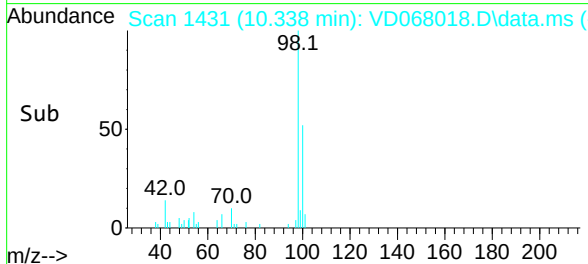
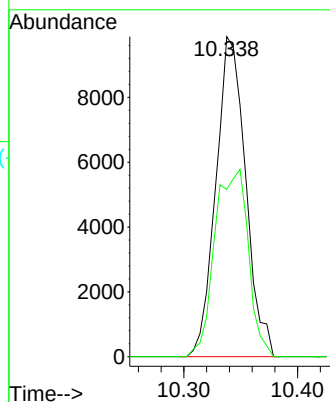
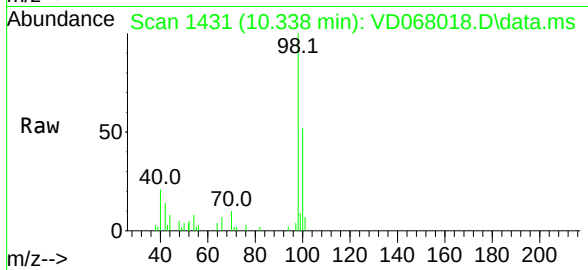




#50
Toluene-d8
Concen: 50.12 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

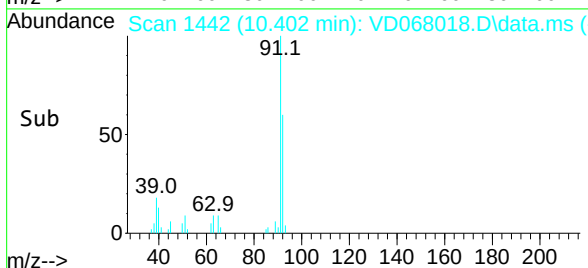
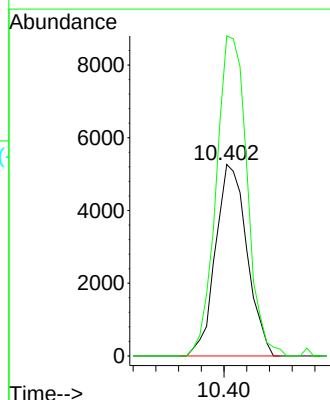
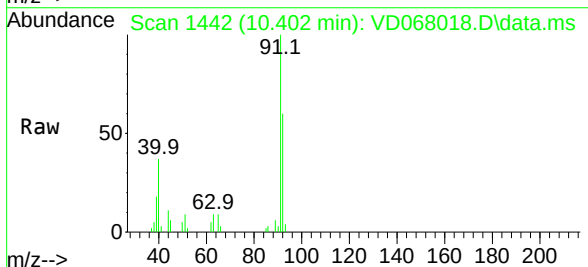
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

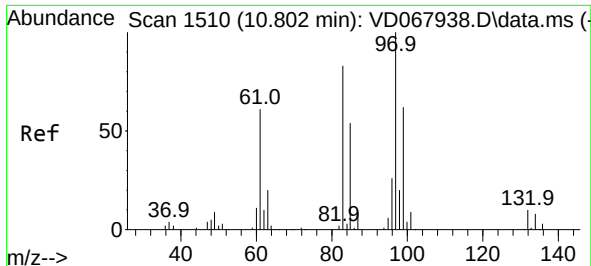
Tgt Ion: 98 Resp: 17979
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#52
Toluene
Concen: 35.07 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 92 Resp: 10111
Ion Ratio Lower Upper
92 100
91 164.2 138.5 207.7

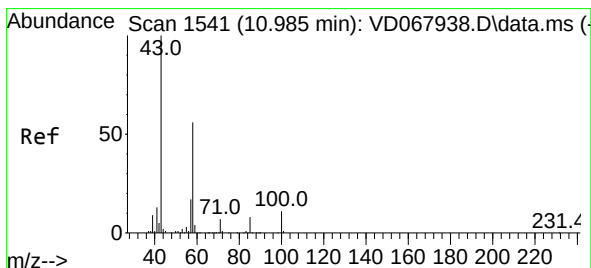
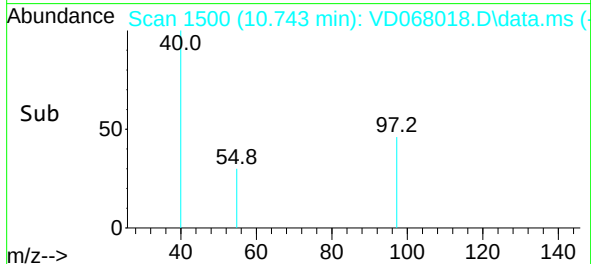
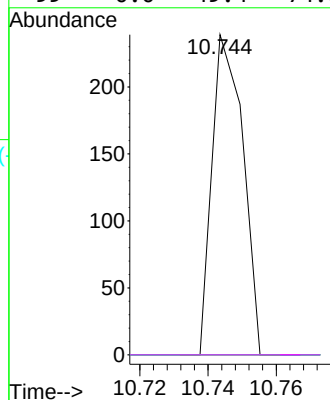
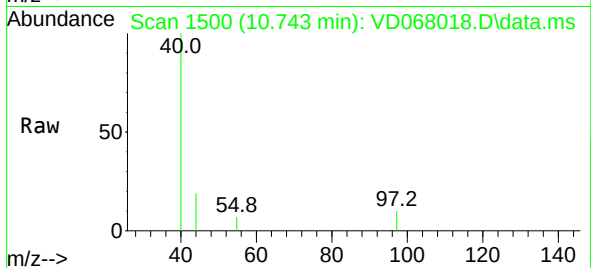




#55
1,1,2-Trichloroethane
Concen: 1.86 ug/l
RT: 10.743 min Scan# 1500
Delta R.T. -0.059 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

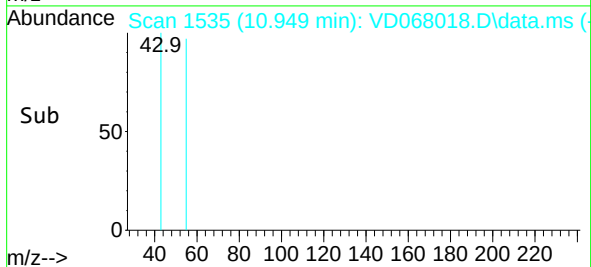
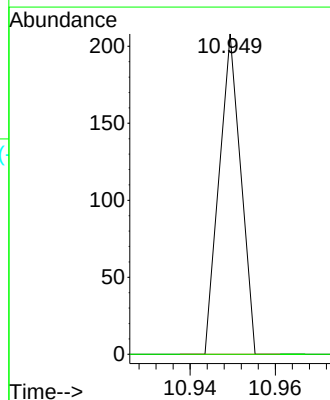
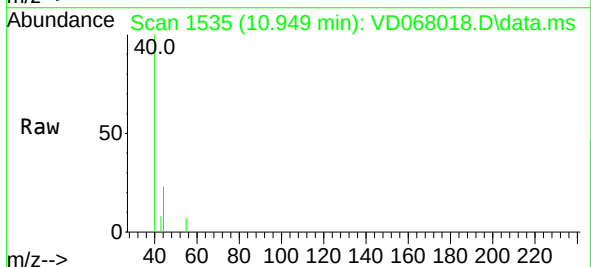
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

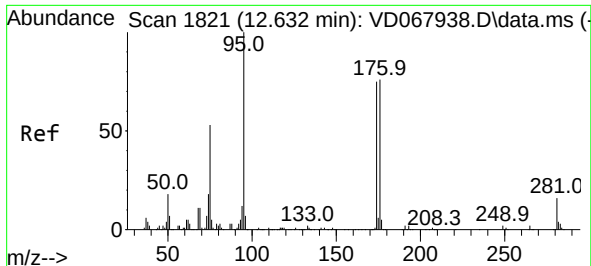
Tgt Ion: 97	Resp:	150
Ion	Ratio	Lower Upper
97	100	
83	0.0	66.4 99.6#
85	0.0	43.4 65.0#
99	0.0	49.4 74.0#



#59
2-Hexanone
Concen: 1.79 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 43	Resp:	73
Ion	Ratio	Lower Upper
43	100	
58	0.0	27.5 82.4#

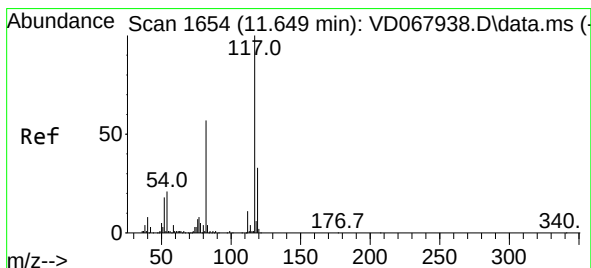
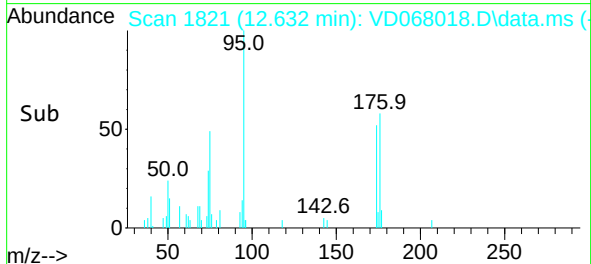
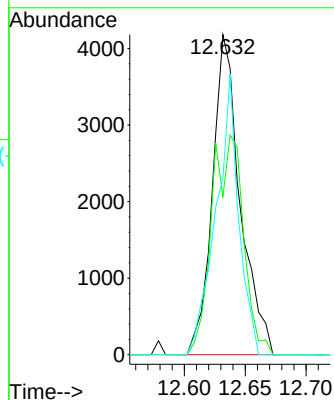
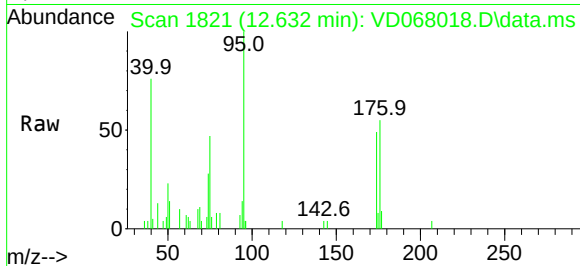




#62
4-Bromofluorobenzene
Concen: 54.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

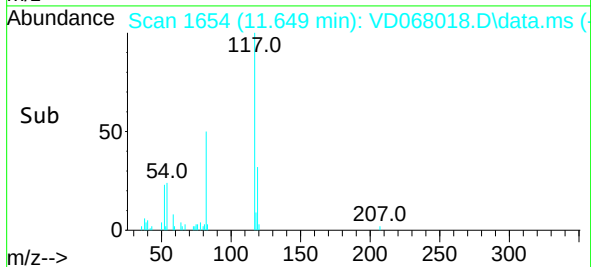
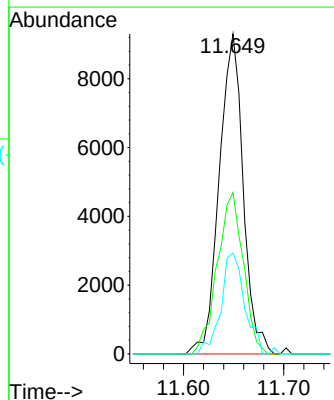
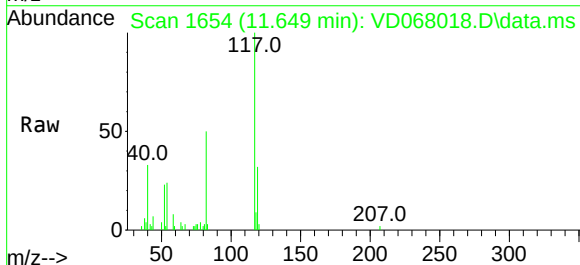
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

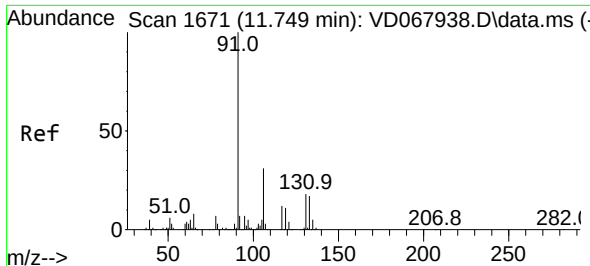
Tgt Ion: 95 Resp: 6633
Ion Ratio Lower Upper
95 100
174 78.0 0.0 150.6
176 71.4 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 117 Resp: 15411
Ion Ratio Lower Upper
117 100
82 50.5 45.4 68.0
119 31.6 26.7 40.1

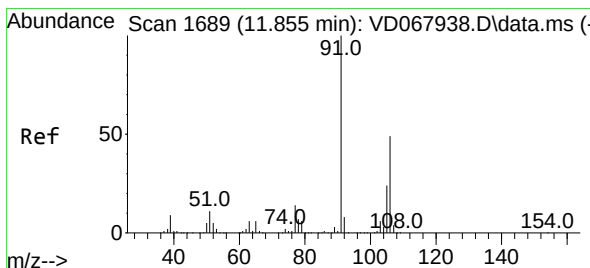
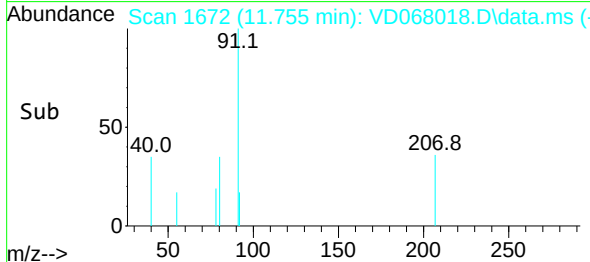
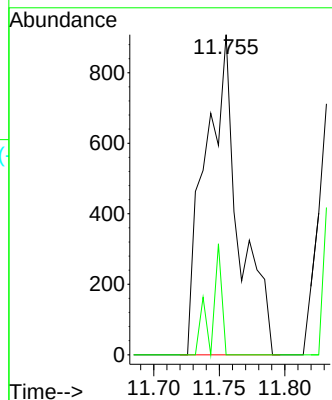
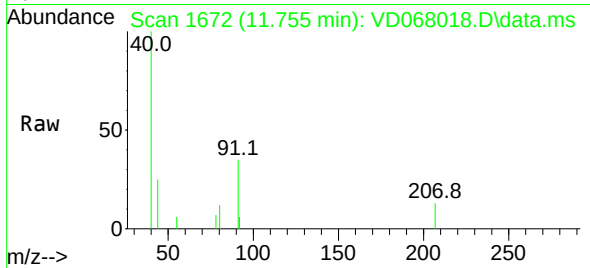




#67
Ethyl Benzene
Concen: 2.72 ug/l
RT: 11.755 min Scan# 1672
Delta R.T. 0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

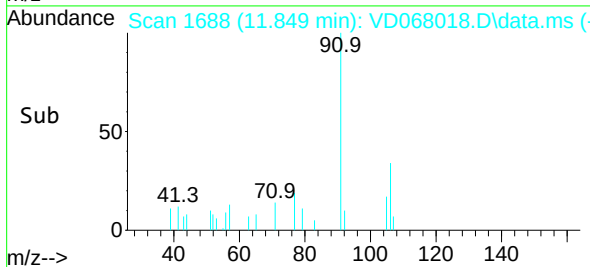
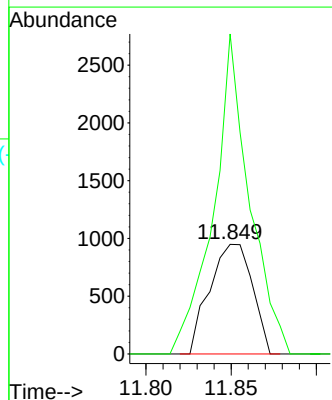
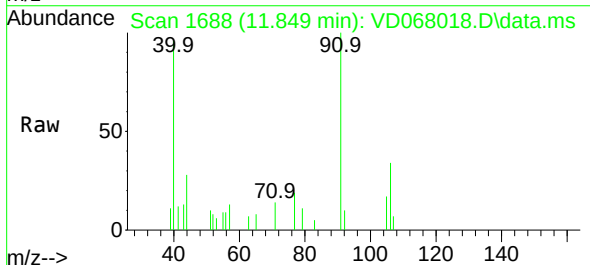
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

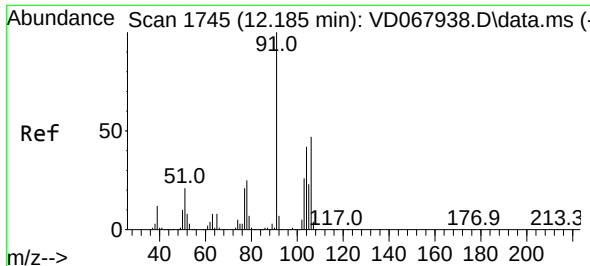
Tgt Ion: 91 Resp: 1612
Ion Ratio Lower Upper
91 100
106 0.0 24.6 37.0#



#68
m/p-Xylenes
Concen: 7.34 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 106 Resp: 1659
Ion Ratio Lower Upper
106 100
91 244.2 159.9 239.9#

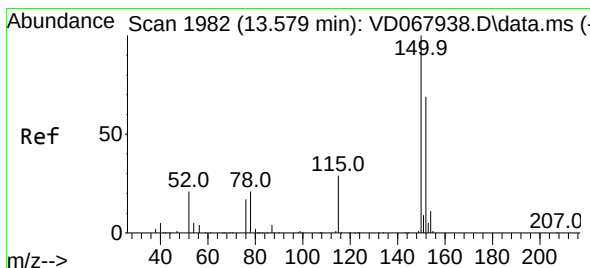
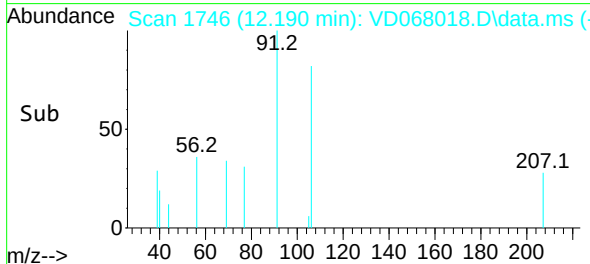
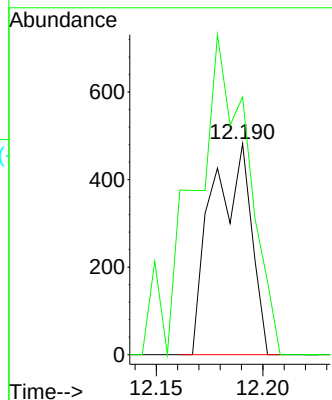
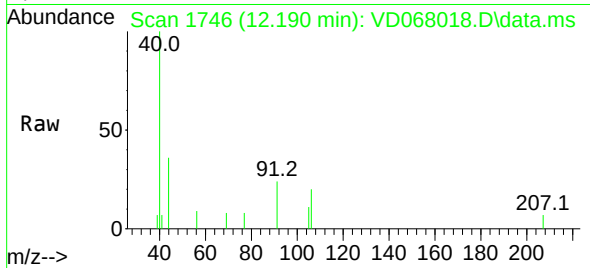




#69
o-Xylene
Concen: 3.04 ug/l
RT: 12.190 min Scan# 1746
Delta R.T. 0.006 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

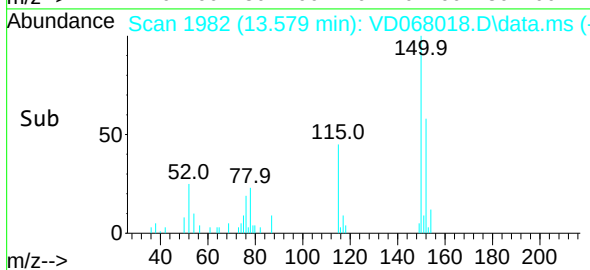
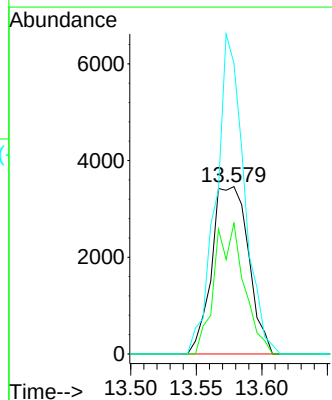
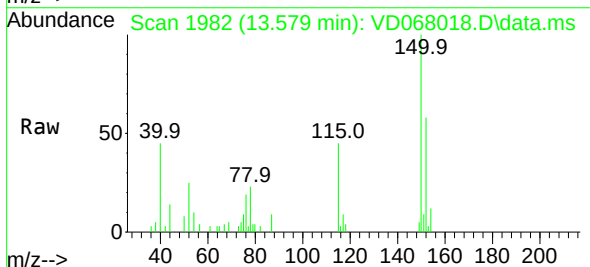
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

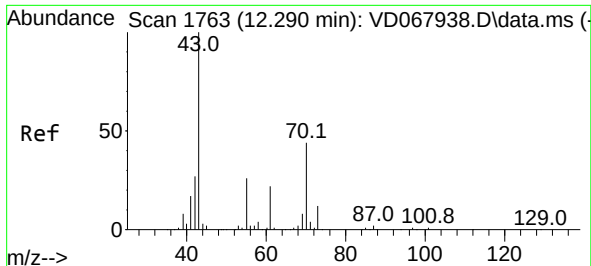
Tgt Ion:106 Resp: 615
Ion Ratio Lower Upper
106 100
91 210.1 106.0 317.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion:152 Resp: 6743
Ion Ratio Lower Upper
152 100
115 62.7 29.3 88.0
150 147.3 0.0 340.0

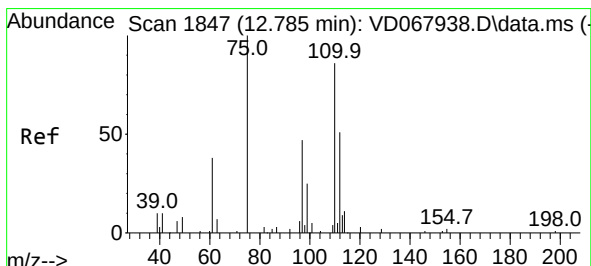
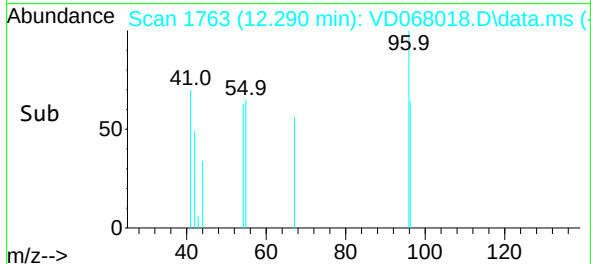
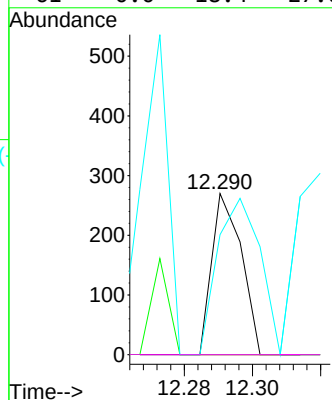
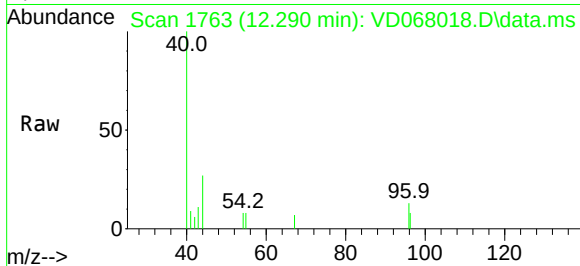




#74
N-amy1 acetate
Concen: 1.43 ug/l
RT: 12.290 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

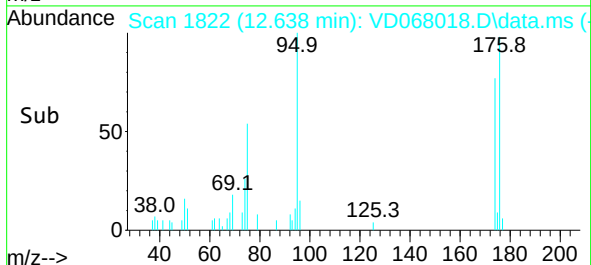
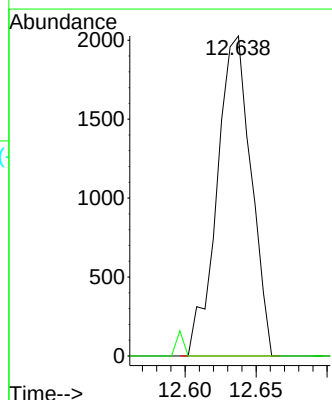
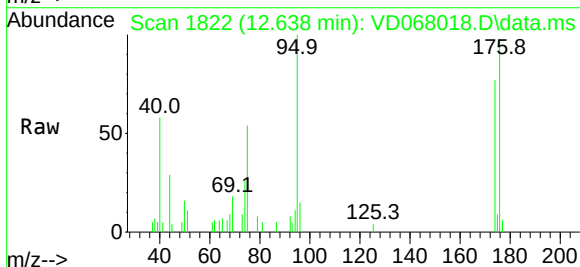
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

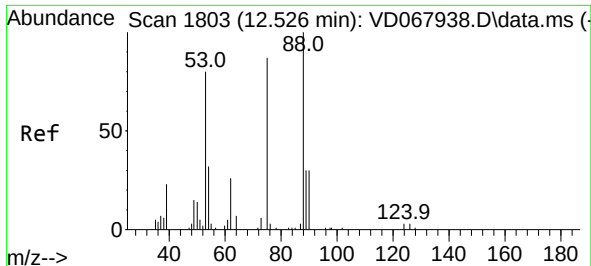
Tgt Ion: 43	Resp: 162
Ion Ratio	Lower Upper
43 100	
70 0.0	34.3 51.5#
55 140.1	21.2 31.8#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 59.62 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

Tgt Ion: 75	Resp: 3385
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

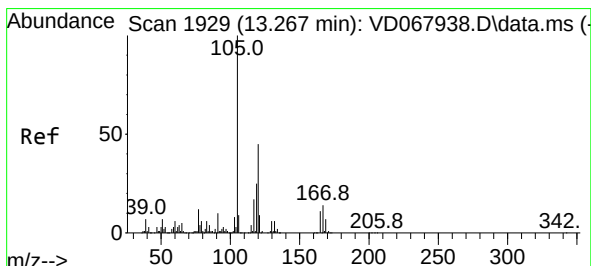
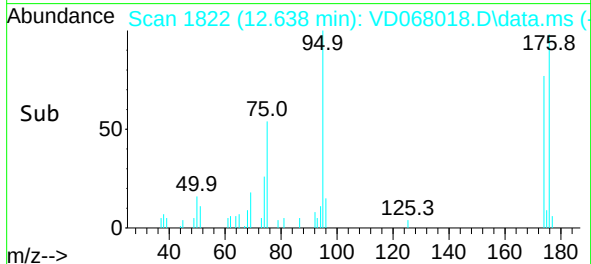
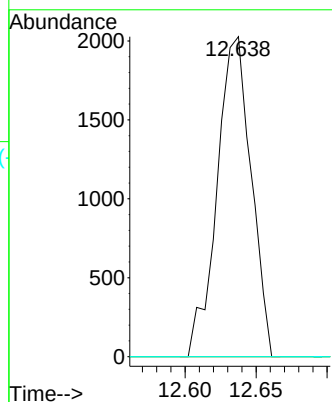
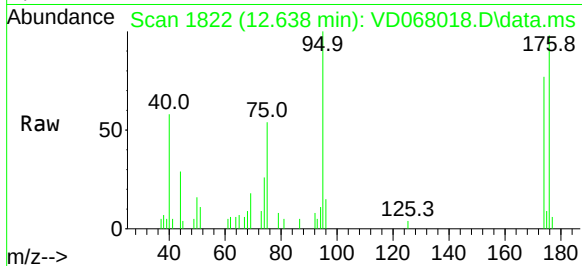




#81
trans-1,4-Dichloro-2-butene
Concen: 122.22 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

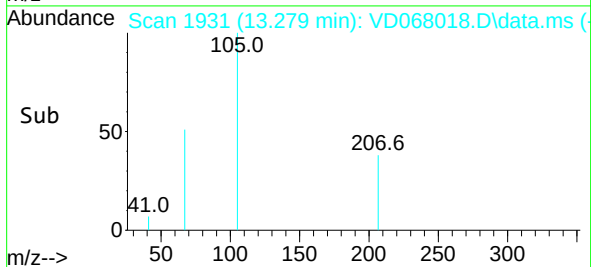
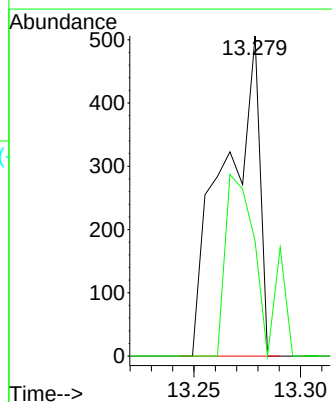
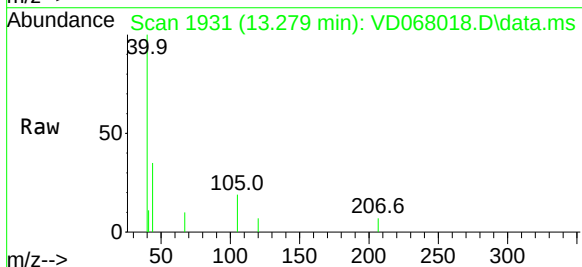
Instrument :
MSVOA_D
ClientSampleId :
HD-01-010621

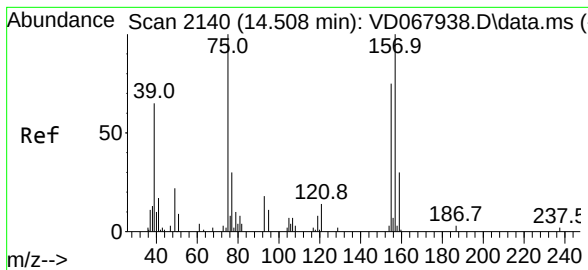
Tgt Ion: 75 Resp: 3385
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.39 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. 0.012 min
Lab File: VD068018.D
Acq: 06 Jan 2021 17:17

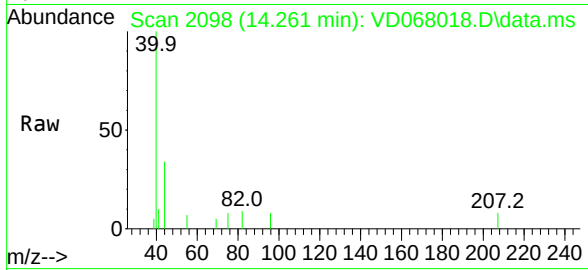
Tgt Ion: 105 Resp: 578
Ion Ratio Lower Upper
105 100
120 55.2 22.7 68.0





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.50 ug/l
 RT: 14.261 min Scan# 2098
 Delta R.T. -0.247 min
 Lab File: VD068018.D
 Acq: 06 Jan 2021 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-010621



Tgt Ion: 75 Resp: 80
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.8 119.3#
 157 0.0 50.6 151.9#

