

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010721\
 Data File : VD068039.D
 Acq On : 07 Jan 2021 17:29
 Operator : VA/SY
 Sample : M1038-09
 Misc : 6.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CT-SP

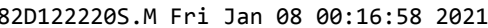
Quant Time: Jan 08 00:16:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

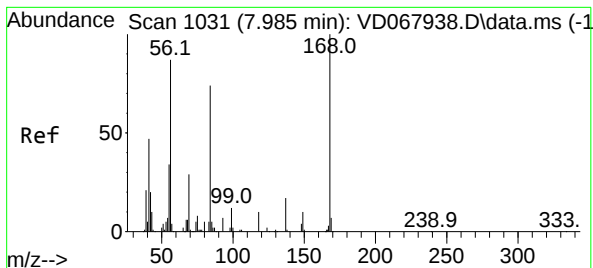
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	248655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	462817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	480010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	220781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	167910	62.53	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.06%			
35) Dibromofluoromethane	7.920	113	160681	55.10	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.20%			
50) Toluene-d8	10.344	98	607658	55.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.88%			
62) 4-Bromofluorobenzene	12.632	95	222119	59.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.48%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	157	Below Cal		89
20) Methylene Chloride	4.979	84	5482	Below Cal	#	80
31) Cyclohexane	7.973	56	6030	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	22910	4.66	ug/l #	51
38) Carbon Tetrachloride	7.979	117	27487	5.85	ug/l #	17
67) Ethyl Benzene	11.744	91	32536	1.76	ug/l	97
68) m/p-Xylenes	11.855	106	53088	7.54	ug/l	98
69) o-Xylene	12.185	106	25307	4.02	ug/l	90
74) N-amyl acetate	12.273	43	3912	1.05	ug/l #	61
76) 1,2,3-Trichloropropane	12.632	75	117106	63.00	ug/l #	100
78) n-propylbenzene	12.820	91	52030	2.55	ug/l	96
79) 2-Chlorotoluene	12.885	91	33999	2.95	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.961	105	88383	6.49	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.632	75	117106	129.14	ug/l #	13
83) tert-Butylbenzene	13.267	119	38976	3.48	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.267	105	309247	22.66	ug/l	98
89) n-Butylbenzene	13.844	91	29781	2.08	ug/l #	74
90) Hexachloroethane	14.114	117	14386	4.88	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.520	75	845	1.78	ug/l #	4
95) Naphthalene	15.402	128	120037	18.23	ug/l	98

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

Quant Time: Jan 08 00:16:49 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

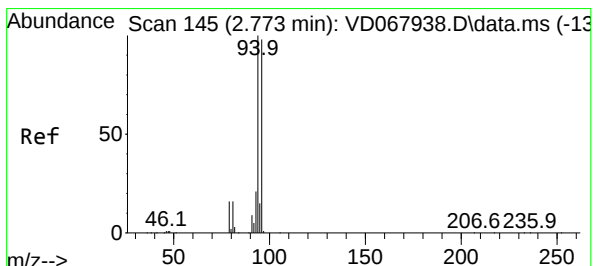
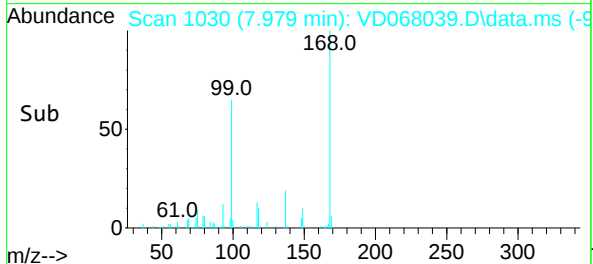
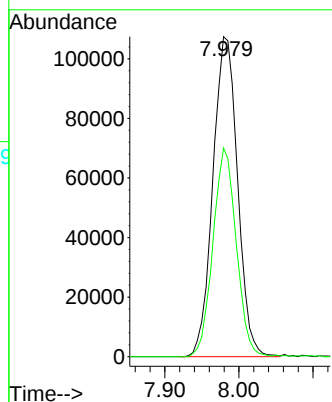
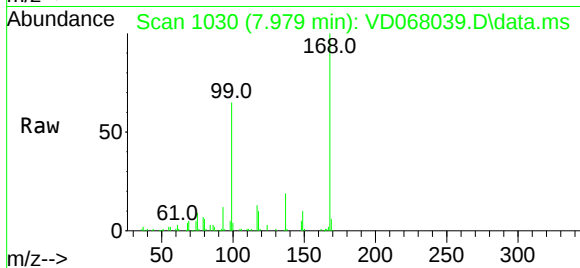




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

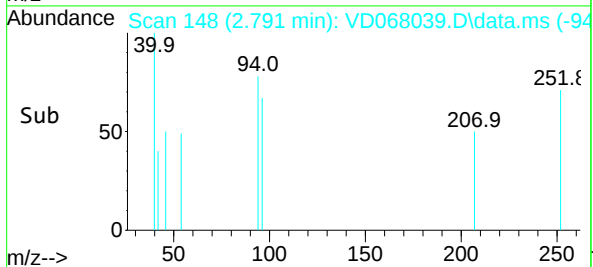
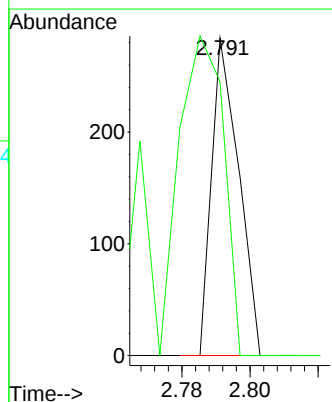
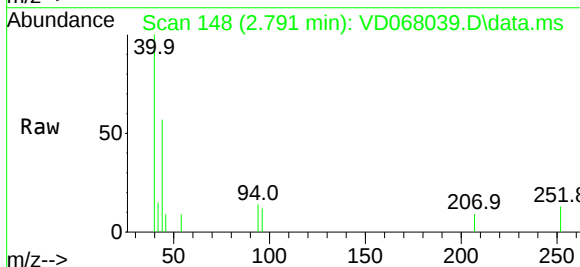
Instrument :
MSVOA_D
ClientSampleId :
CT-SP

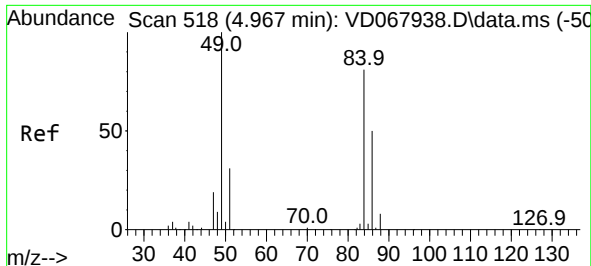
Tgt Ion:168 Resp: 248655
Ion Ratio Lower Upper
168 100
99 65.2 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 86.3 78.0 117.0

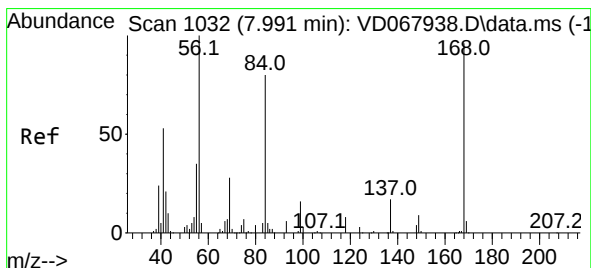
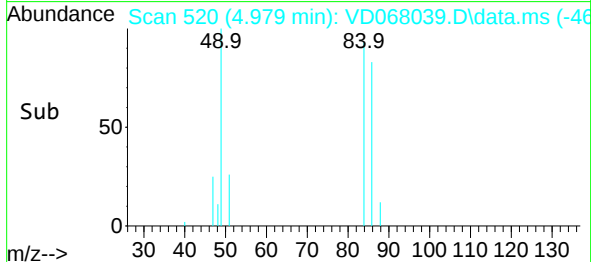
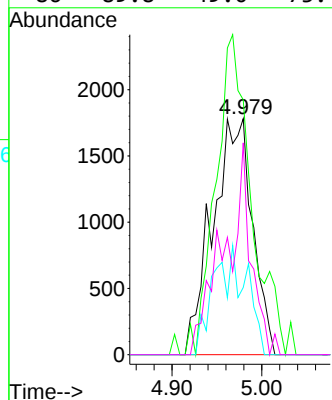
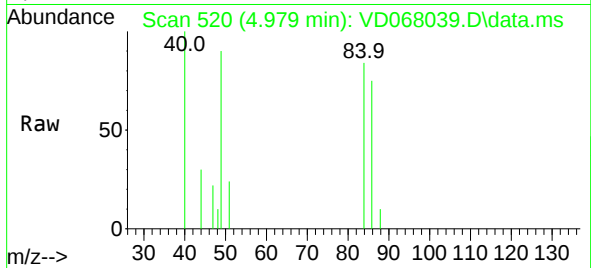




#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

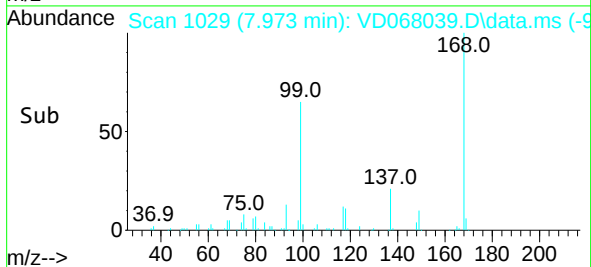
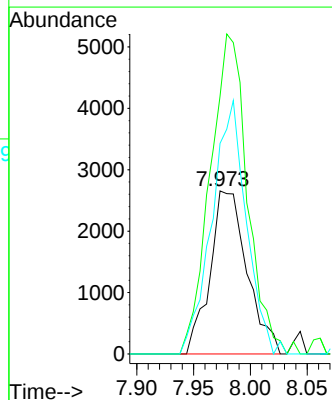
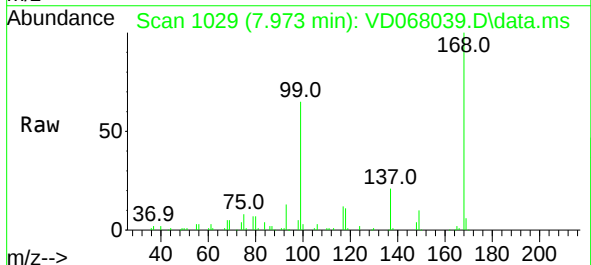
Instrument :
MSVOA_D
ClientSampled :
CT-SP

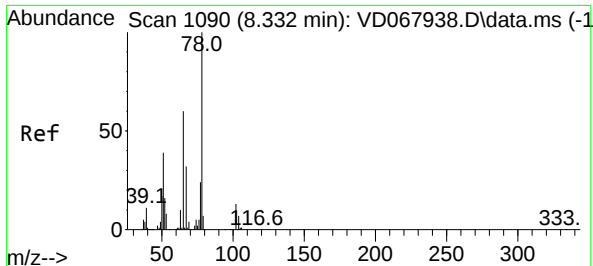
Tgt Ion:	84	Resp:	5482
Ion	Ratio	Lower	Upper
84	100		
49	108.0	98.3	147.5
51	28.5	30.3	45.5#
86	89.8	49.0	73.4#



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion:	56	Resp:	6030
Ion	Ratio	Lower	Upper
56	100		
69	158.1	22.7	34.1#
84	129.2	64.2	96.4#

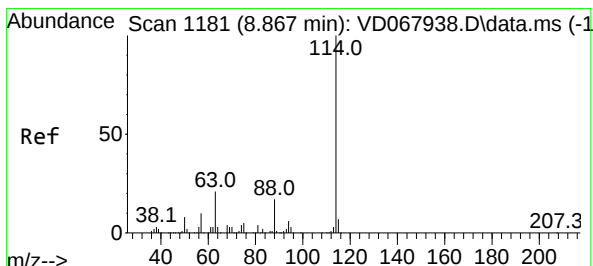
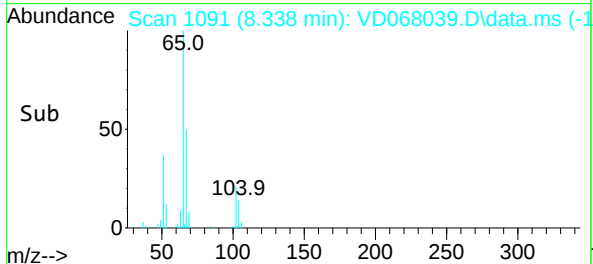
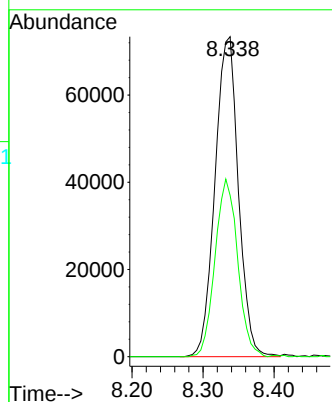
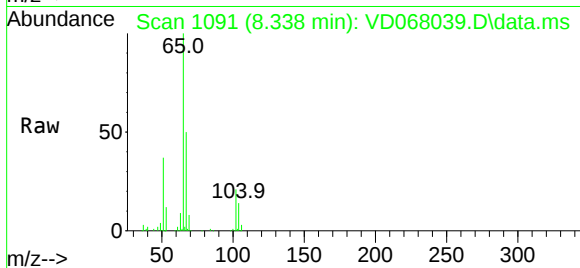




#33
1,2-Dichloroethane-d4
Concen: 62.53 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

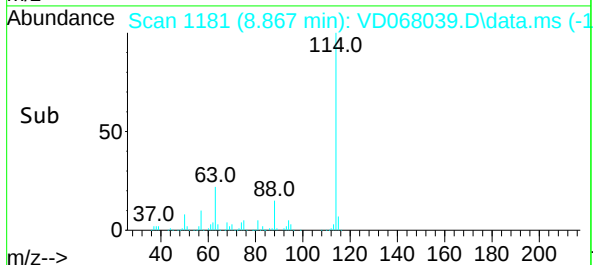
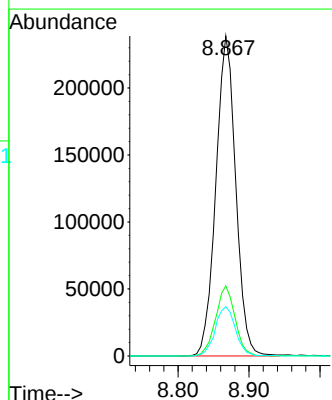
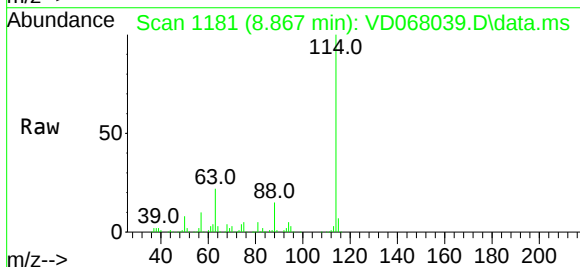
Instrument :
MSVOA_D
ClientSampled :
CT-SP

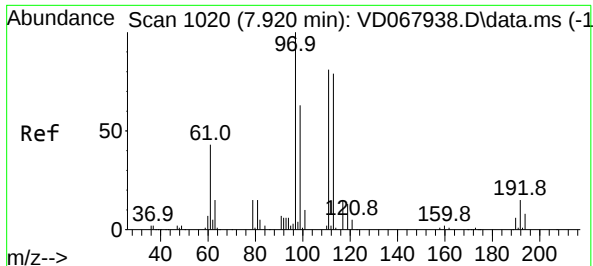
Tgt Ion: 65 Resp: 167910
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 114 Resp: 462817
Ion Ratio Lower Upper
114 100
63 21.9 0.0 41.4
88 15.4 0.0 33.2

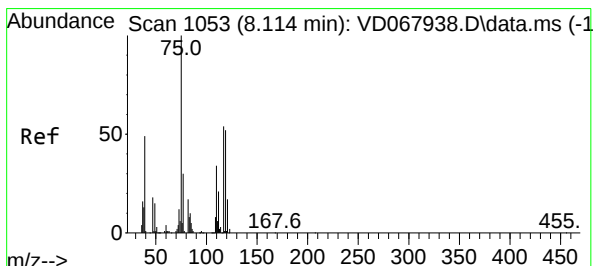
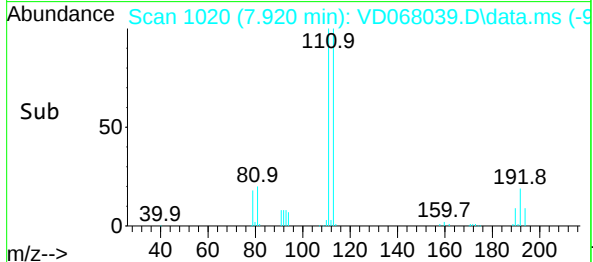
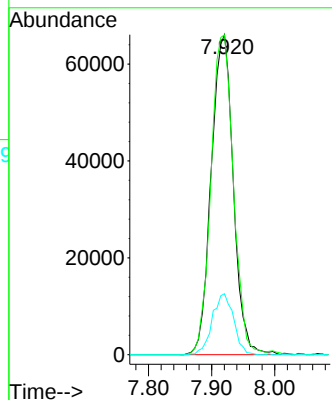
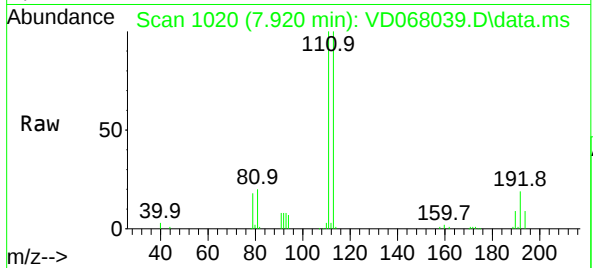




#35
Dibromofluoromethane
Concen: 55.10 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

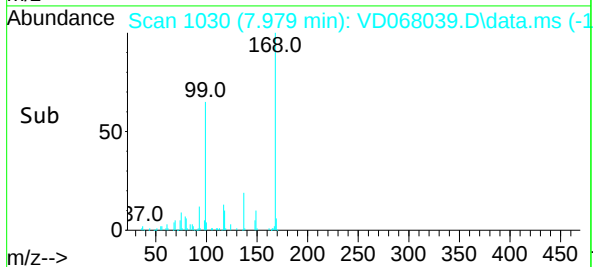
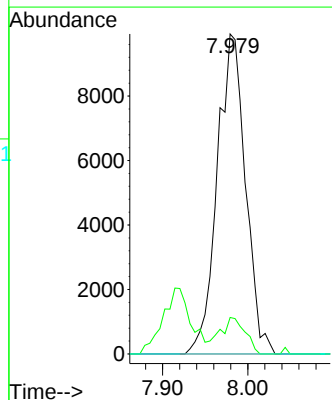
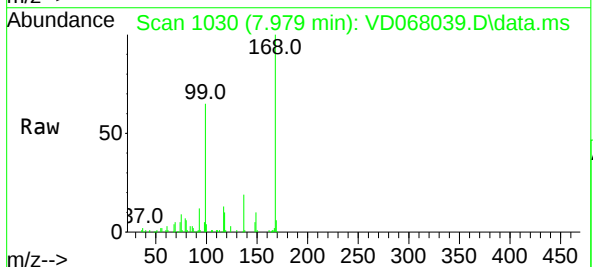
Instrument :
MSVOA_D
ClientSampleId :
CT-SP

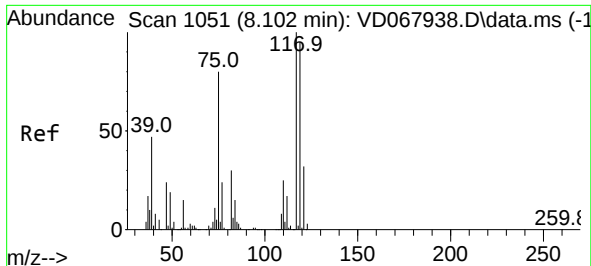
Tgt Ion:113 Resp: 160681
Ion Ratio Lower Upper
113 100
111 101.2 79.3 118.9
192 18.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

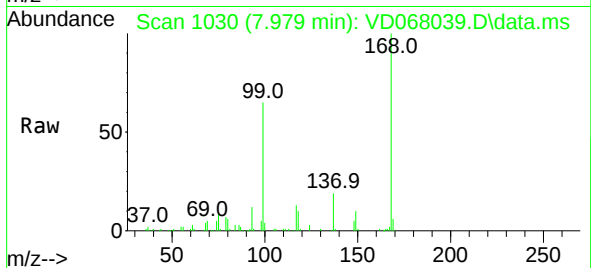
Tgt Ion: 75 Resp: 22910
Ion Ratio Lower Upper
75 100
110 9.9 17.0 51.0#
77 0.0 24.6 37.0#



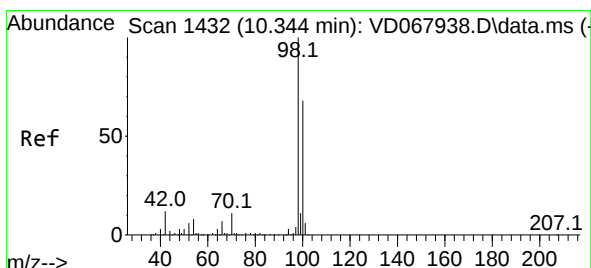
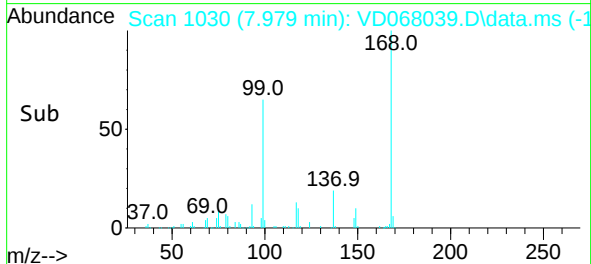
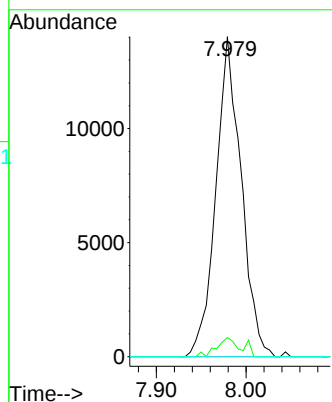


#38
Carbon Tetrachloride
Concen: 5.85 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :
CT-SP

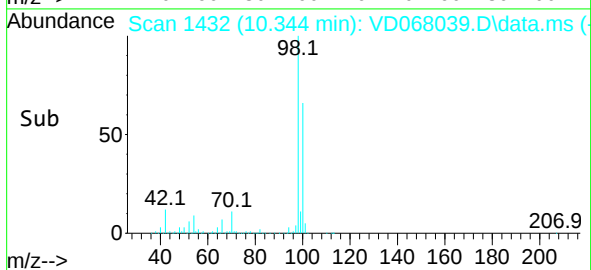
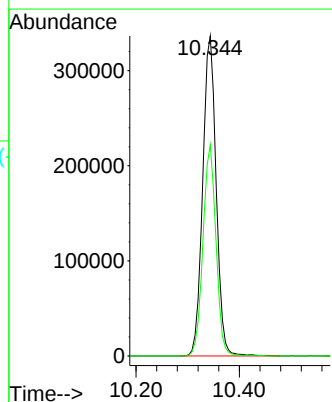
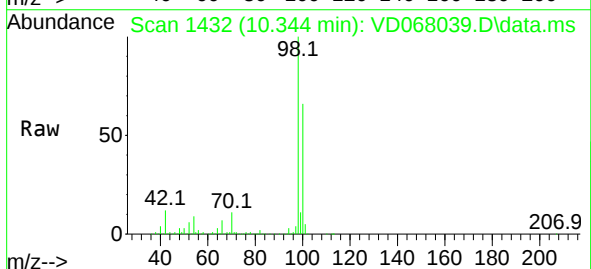


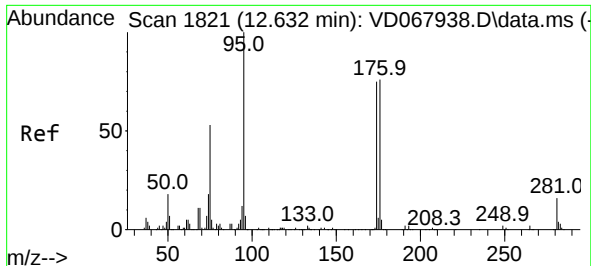
Tgt Ion:117 Resp: 27487
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.4#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 55.44 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 98 Resp: 607658
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7

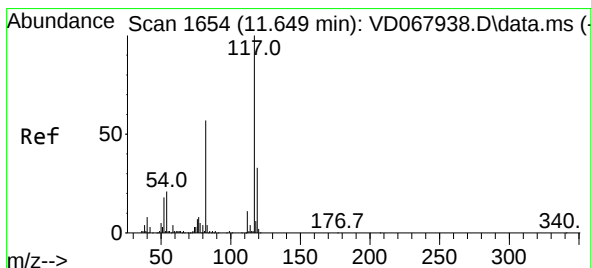
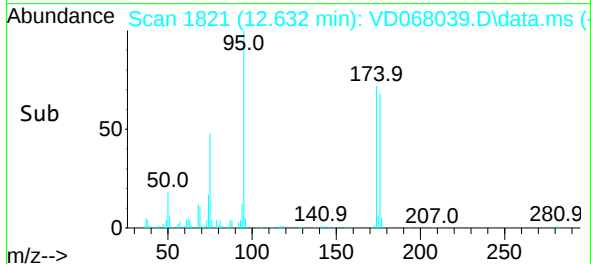
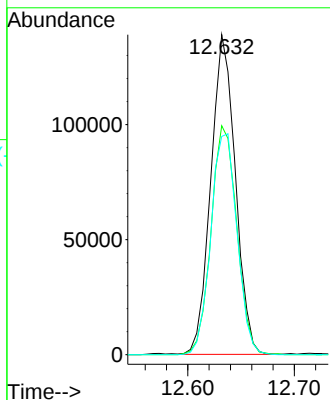
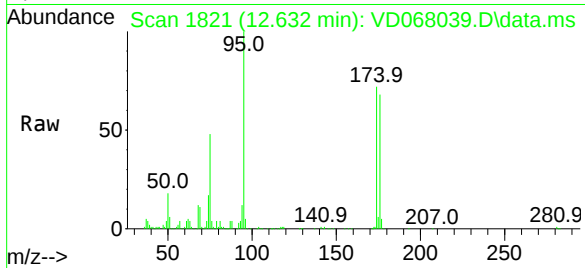




#62
4-Bromofluorobenzene
Concen: 59.24 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

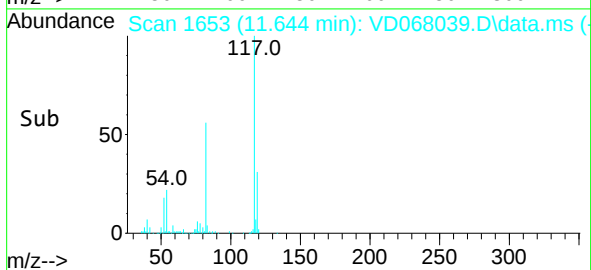
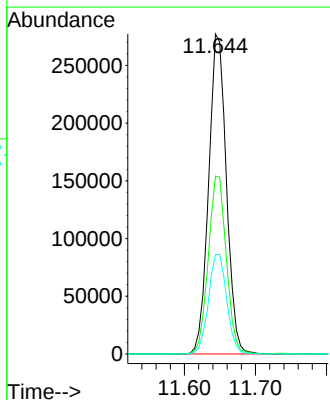
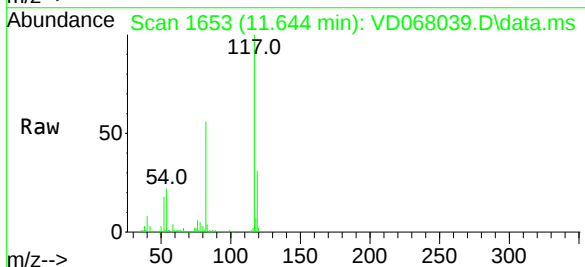
Instrument :
MSVOA_D
ClientSampleId :
CT-SP

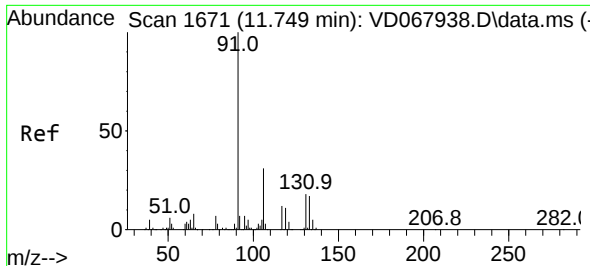
Tgt Ion: 95 Resp: 222119
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.6
176 73.9 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 117 Resp: 480010
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.0 26.7 40.1

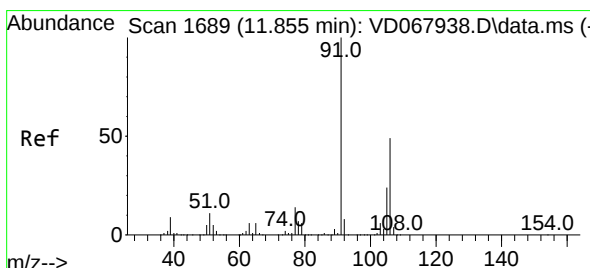
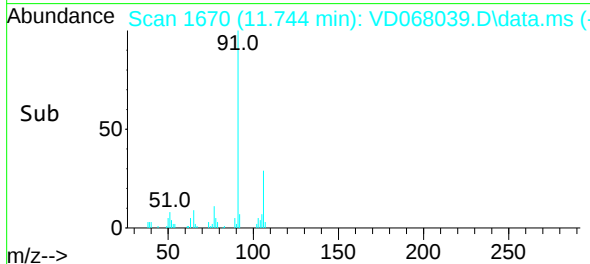
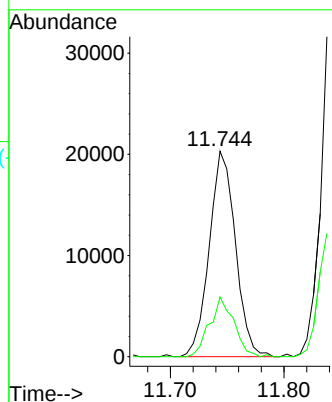
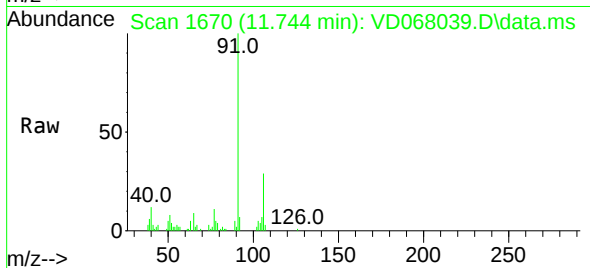




#67
Ethyl Benzene
Concen: 1.76 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. -0.006 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

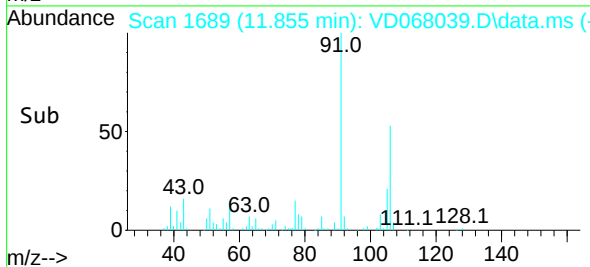
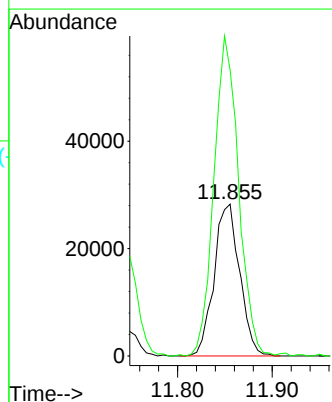
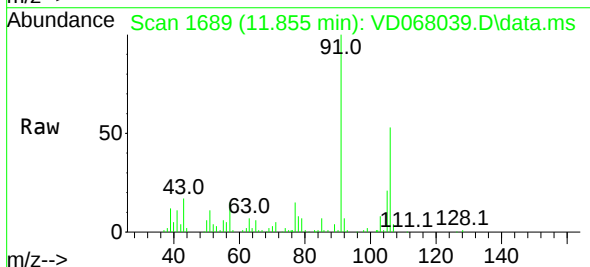
Instrument :
MSVOA_D
ClientSampled :
CT-SP

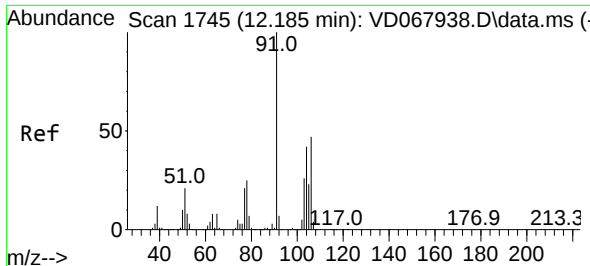
Tgt Ion: 91 Resp: 32536
Ion Ratio Lower Upper
91 100
106 29.0 24.6 37.0



#68
m/p-Xylenes
Concen: 7.54 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 106 Resp: 53088
Ion Ratio Lower Upper
106 100
91 203.2 159.9 239.9

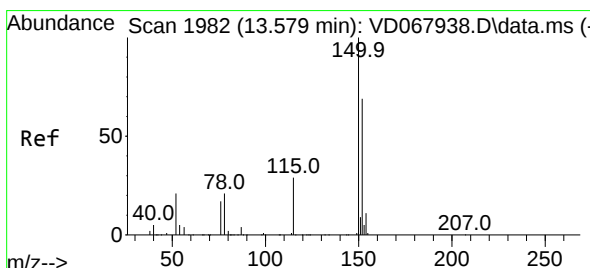
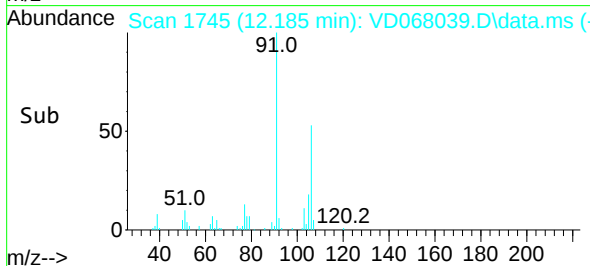
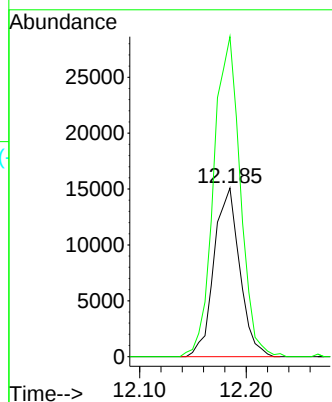
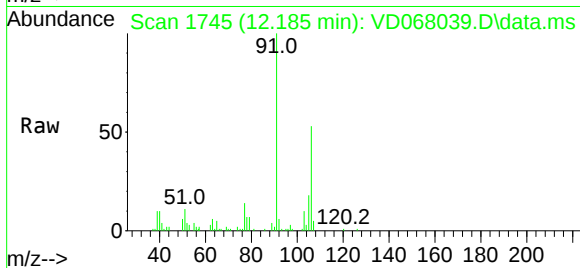




#69
o-Xylene
Concen: 4.02 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

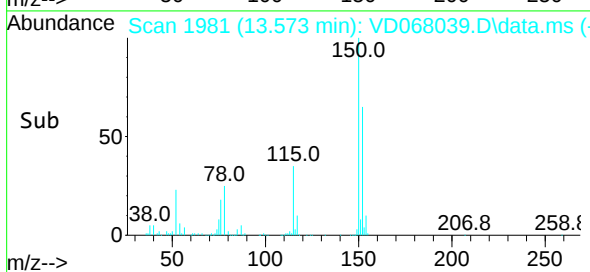
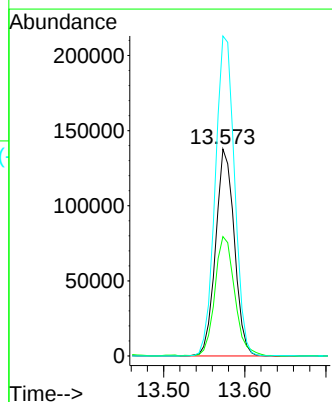
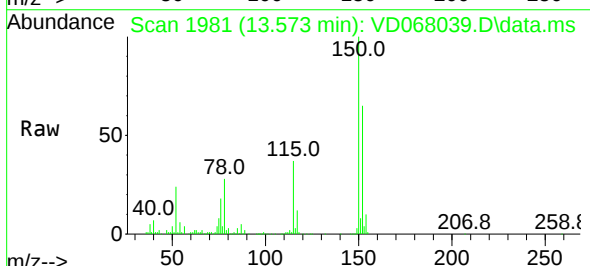
Instrument :
MSVOA_D
ClientSampled :
CT-SP

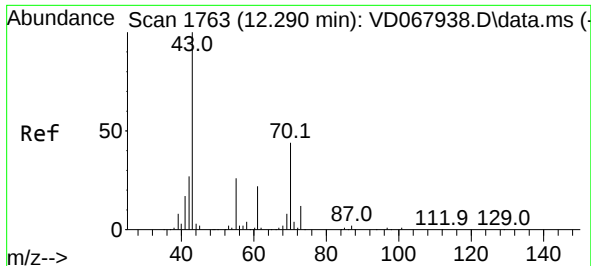
Tgt Ion:106 Resp: 25307
Ion Ratio Lower Upper
106 100
91 196.2 106.0 317.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

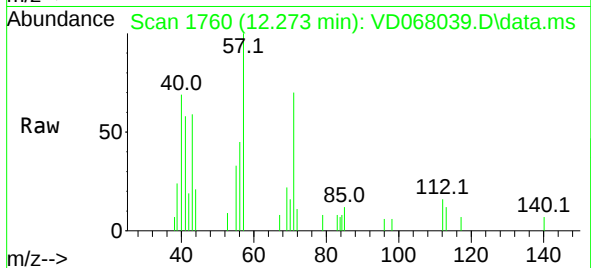
Tgt Ion:152 Resp: 220781
Ion Ratio Lower Upper
152 100
115 61.3 29.3 88.0
150 159.2 0.0 340.0



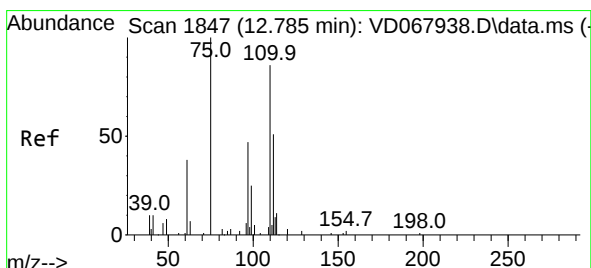
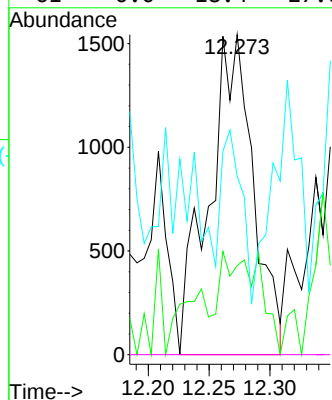
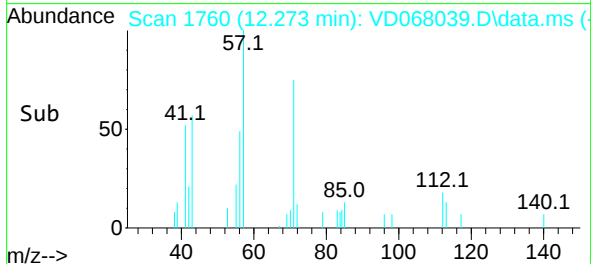


#74
N-amy1 acetate
Concen: 1.05 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.017 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

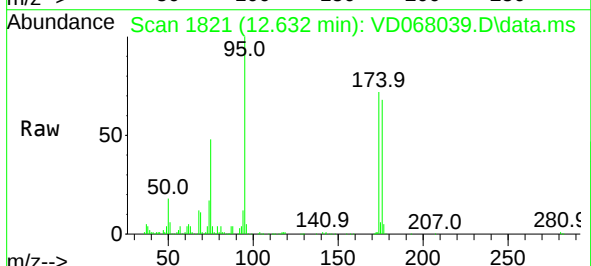
Instrument :
MSVOA_D
ClientSampleId :
CT-SP



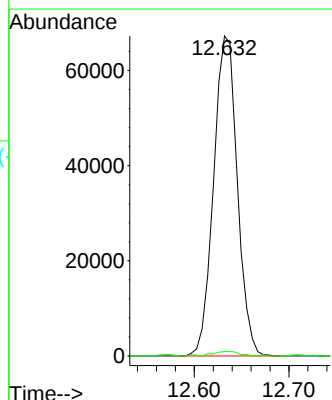
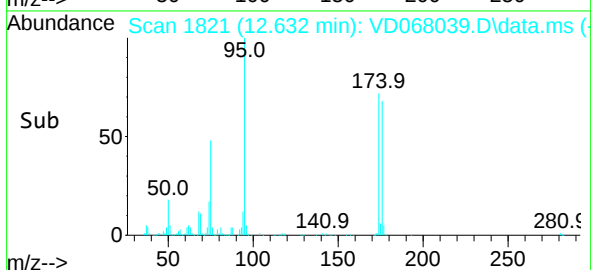
Tgt Ion: 43	Resp: 3912
Ion Ratio	Lower Upper
43 100	
70 7.0	34.3 51.5#
55 24.5	21.2 31.8
61 0.0	18.4 27.6#

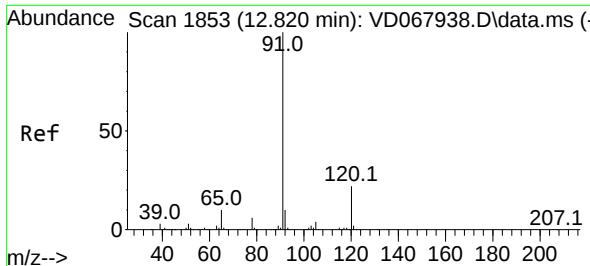


#76
1,2,3-Trichloropropane
Concen: 63.00 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29



Tgt Ion: 75	Resp: 117106
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

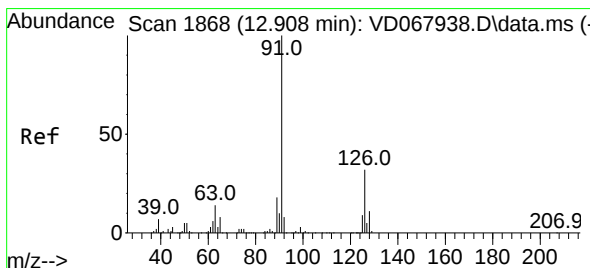
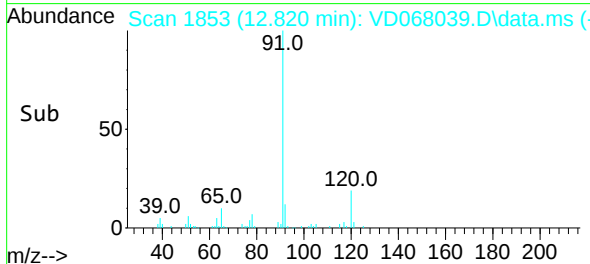
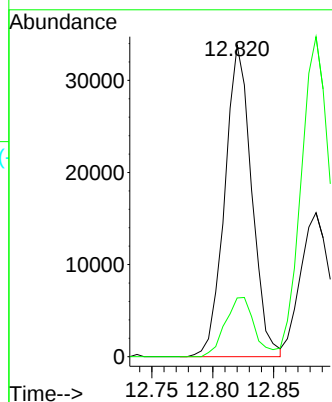
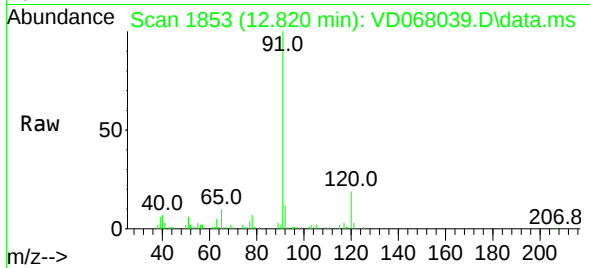




#78
n-propylbenzene
Concen: 2.55 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

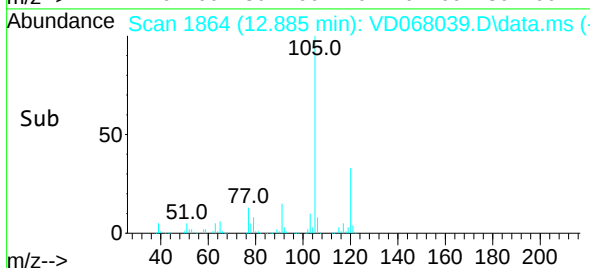
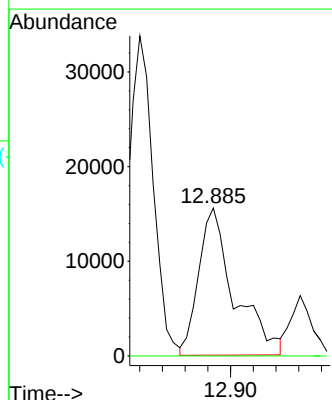
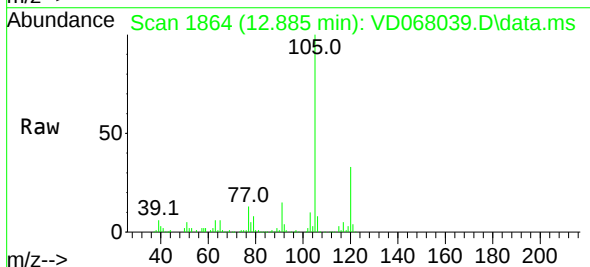
Instrument :
MSVOA_D
ClientSampled :
CT-SP

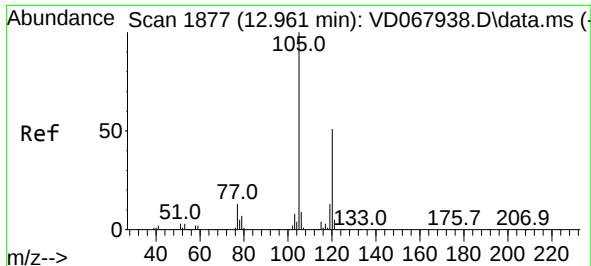
Tgt Ion: 91 Resp: 52030
Ion Ratio Lower Upper
91 100
120 20.5 11.2 33.5



#79
2-Chlorotoluene
Concen: 2.95 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.023 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 91 Resp: 33999
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

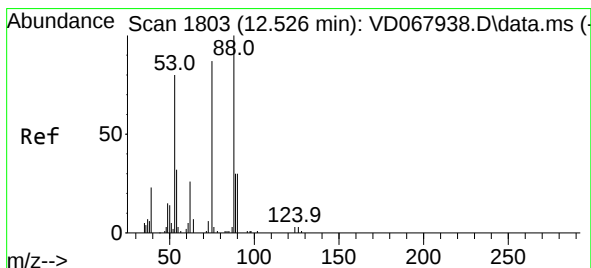
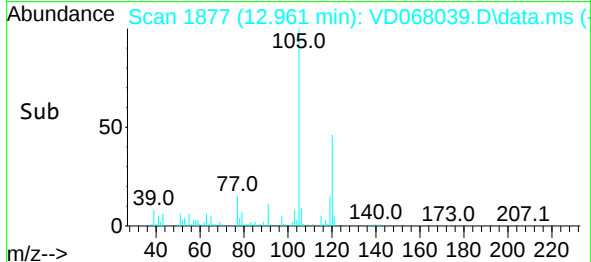
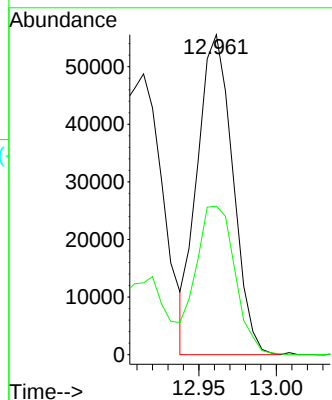
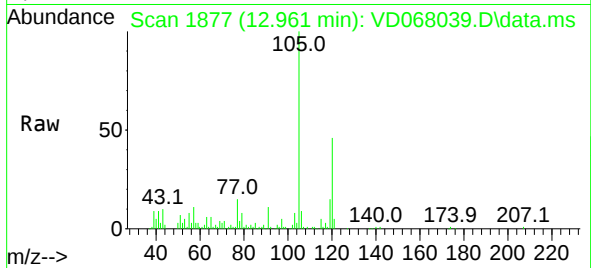




#80
1,3,5-Trimethylbenzene
Concen: 6.49 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

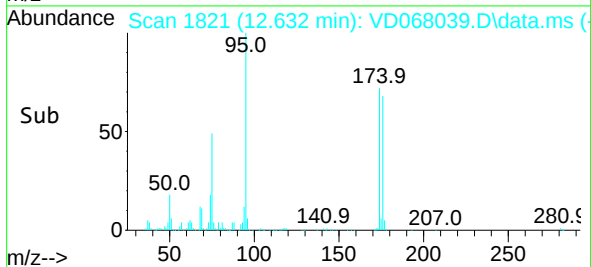
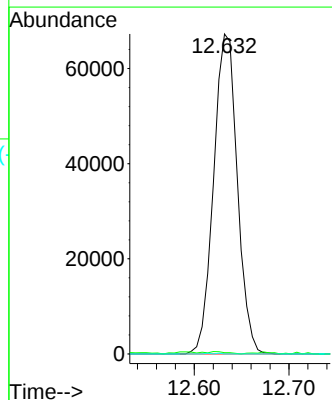
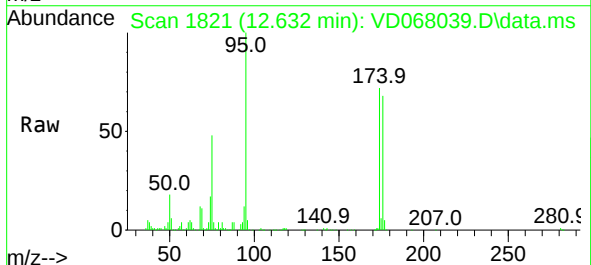
Instrument :
MSVOA_D
ClientSampleId :
CT-SP

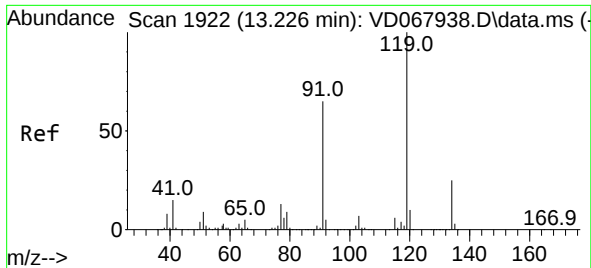
Tgt Ion:105 Resp: 88383
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.6



#81
trans-1,4-Dichloro-2-butene
Concen: 129.14 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 75 Resp: 117106
Ion Ratio Lower Upper
75 100
53 0.5 74.9 112.3#
89 0.1 33.8 50.8#

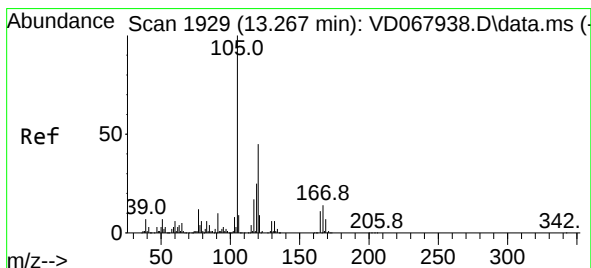
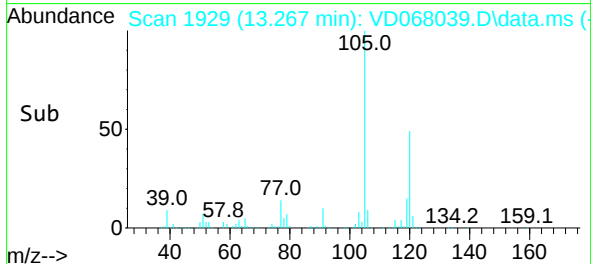
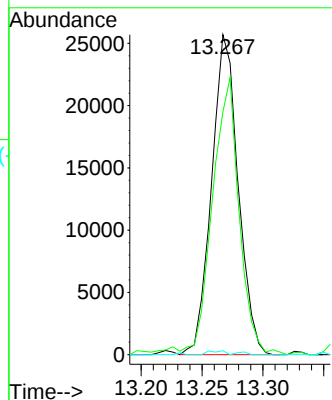
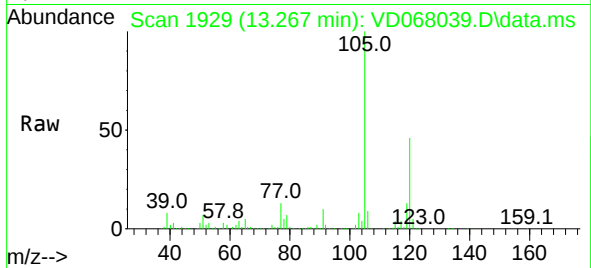




#83
tert-Butylbenzene
Concen: 3.48 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.041 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

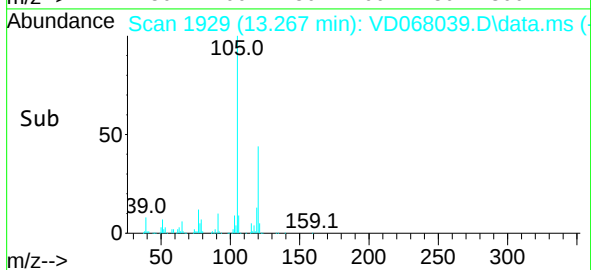
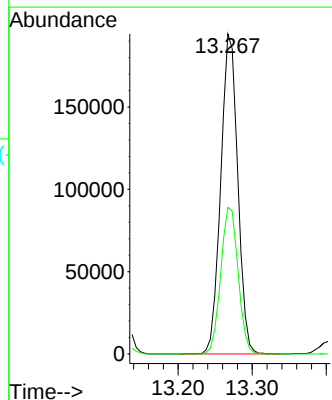
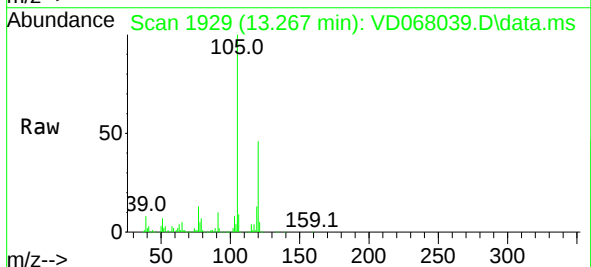
Instrument :
MSVOA_D
ClientSampled :
CT-SP

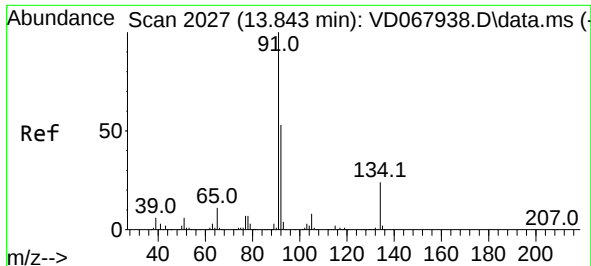
Tgt Ion:119 Resp: 38976
Ion Ratio Lower Upper
119 100
91 88.5 32.7 98.1
134 0.8 13.3 39.8#



#84
1,2,4-Trimethylbenzene
Concen: 22.66 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion:105 Resp: 309247
Ion Ratio Lower Upper
105 100
120 46.8 22.7 68.0

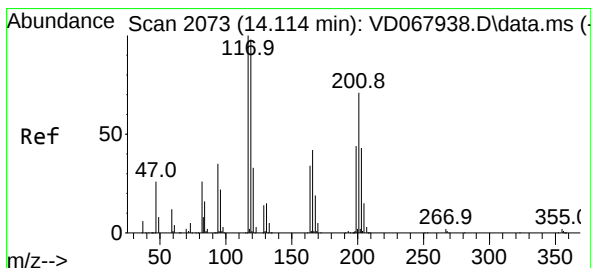
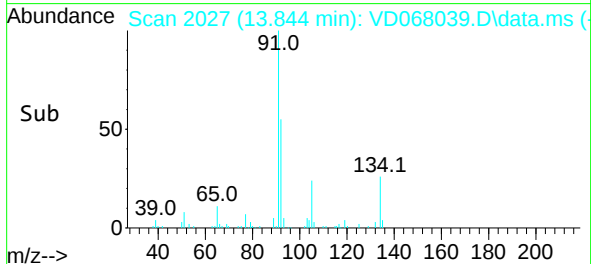
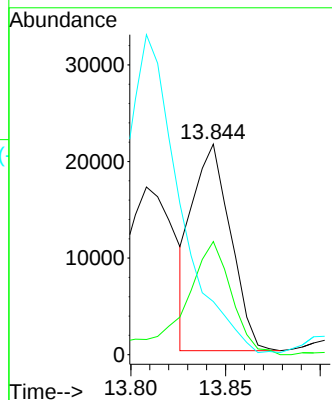
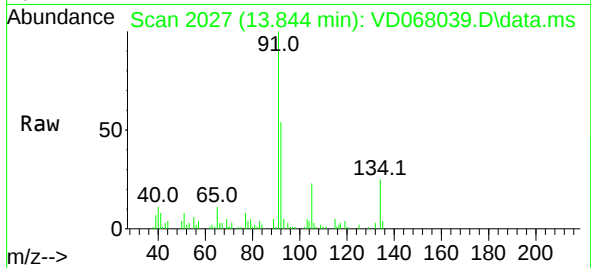




#89
n-Butylbenzene
Concen: 2.08 ug/l
RT: 13.844 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

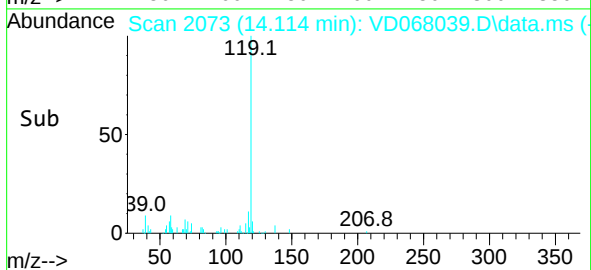
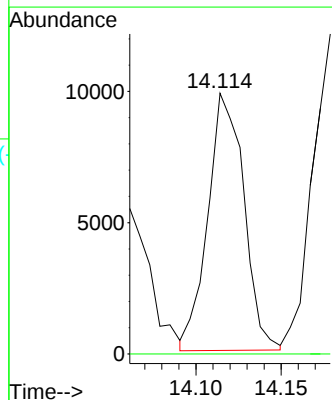
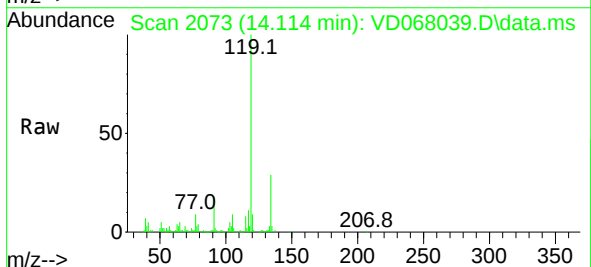
Instrument :
MSVOA_D
ClientSampled :
CT-SP

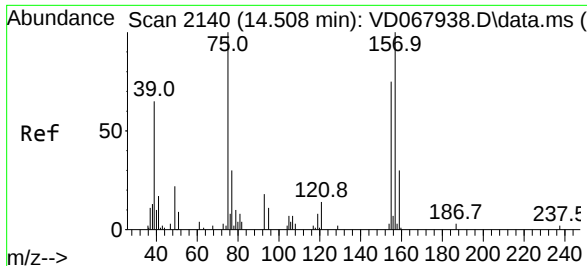
Tgt Ion: 91 Resp: 29781
Ion Ratio Lower Upper
91 100
92 63.9 26.8 80.3
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 4.88 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 117 Resp: 14386
Ion Ratio Lower Upper
117 100
201 0.0 34.3 102.8#

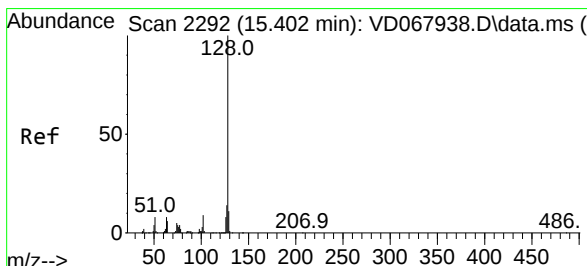
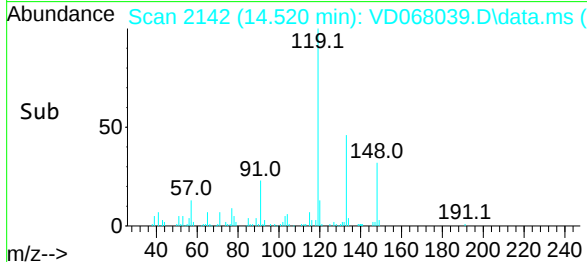
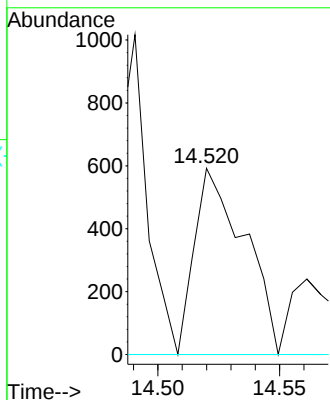
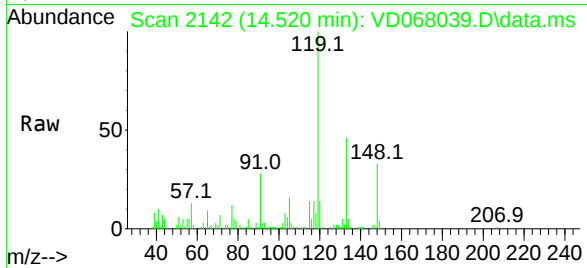




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.78 ug/l
RT: 14.520 min Scan# 2142
Delta R.T. 0.012 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :
CT-SP

Tgt Ion: 75 Resp: 845
Ion Ratio Lower Upper
75 100
155 0.0 39.8 119.3#
157 0.0 50.6 151.9#



#95
Naphthalene
Concen: 18.23 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068039.D
Acq: 07 Jan 2021 17:29

Tgt Ion: 128 Resp: 120037
Ion Ratio Lower Upper
128 100
127 14.3 11.2 16.8
129 11.7 8.6 12.8

