

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072314.D
 Acq On : 19 Mar 2022 03:39
 Operator : VA/SY
 Sample : N1944-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27154

Quant Time: Mar 19 05:34:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

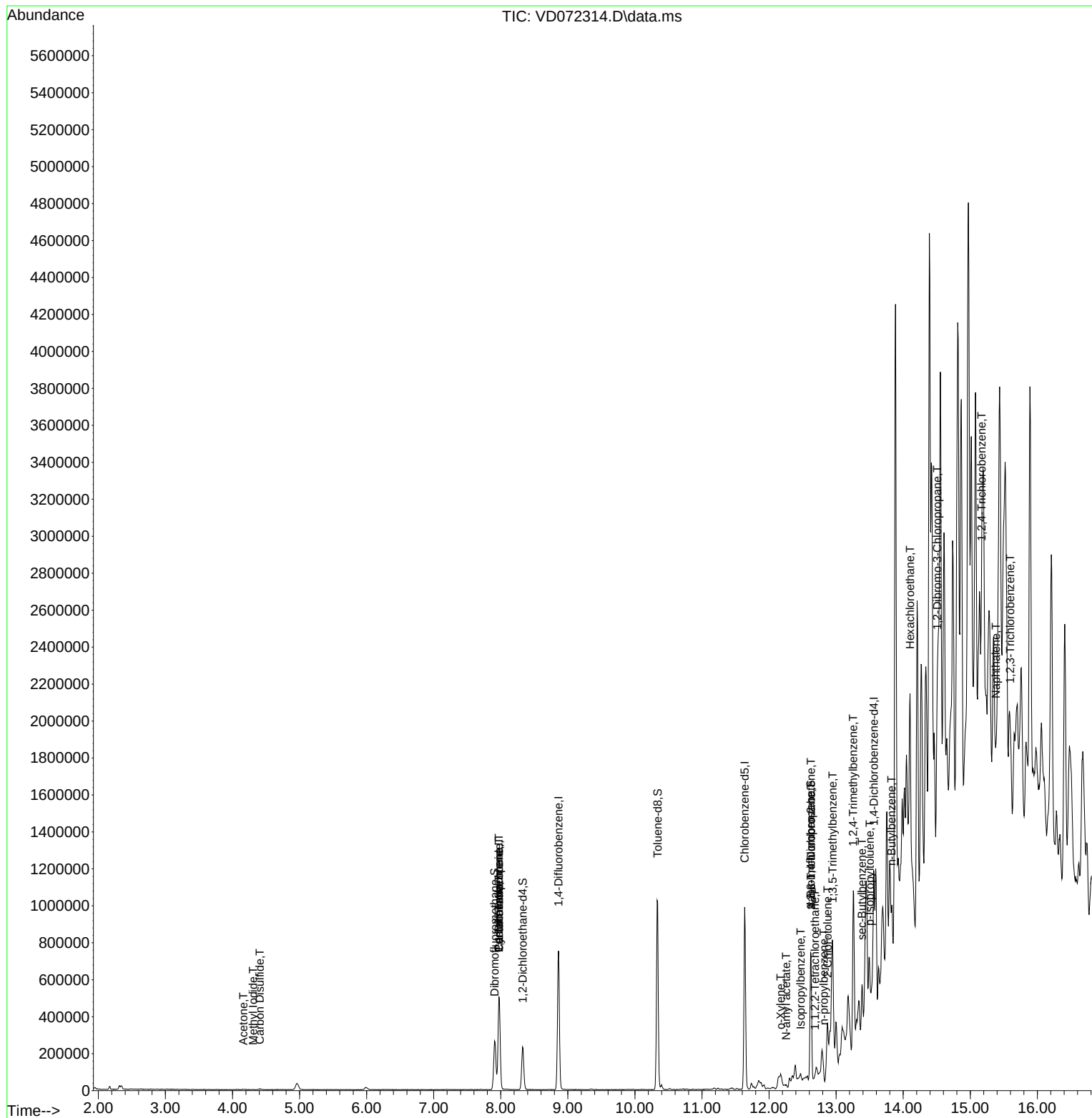
Internal Standards						
1) Pentafluorobenzene	7.973	168	366988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	623792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	546975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	180784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181858	44.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.940%		
35) Dibromofluoromethane	7.908	113	193971	44.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.380%		
50) Toluene-d8	10.337	98	692981	43.174	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.340%		
62) 4-Bromofluorobenzene	12.620	95	239642	38.425	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.840%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.308	142	349	2.316	ug/l #	58
16) Acetone	4.161	43	2756	3.104	ug/l	90
17) Carbon Disulfide	4.408	76	6722	2.329	ug/l #	84
20) Methylene Chloride	4.967	84	25592	Below Cal		89
31) Cyclohexane	7.973	56	9390	1.470	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	30645	4.976	ug/l #	51
38) Carbon Tetrachloride	7.973	117	37795	5.399	ug/l #	16
69) o-Xylene	12.173	106	10441	1.327	ug/l	93
73) Isopropylbenzene	12.473	105	17821	1.244	ug/l	99
74) N-amyl acetate	12.255	43	3163	1.027	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.684	83	3412	1.332	ug/l #	64
76) 1,2,3-Trichloropropane	12.625	75	122517	61.436	ug/l #	100
78) n-propylbenzene	12.814	91	42372	2.435	ug/l	99
79) 2-Chlorotoluene	12.873	91	15756	1.566	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.949	105	95790	7.783	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.625	75	122517	152.430	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.255	105	469032	38.677	ug/l	98
85) sec-Butylbenzene	13.384	105	59136	3.649	ug/l #	73
86) p-Isopropyltoluene	13.502	119	76098	5.707	ug/l	96
89) n-Butylbenzene	13.825	91	108739	8.556	ug/l #	83
90) Hexachloroethane	14.102	117	35685	13.655	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.508	75	2138	5.229	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.167	180	4971	1.274	ug/l #	12
95) Naphthalene	15.384	128	176347	26.226	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.596	180	24224	7.174	ug/l #	12

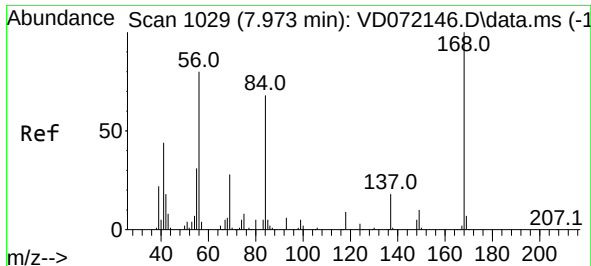
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

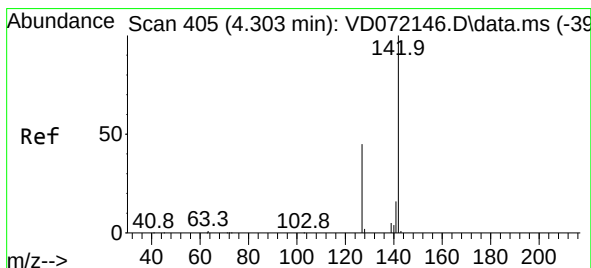
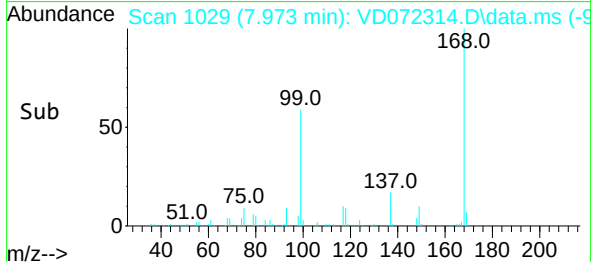
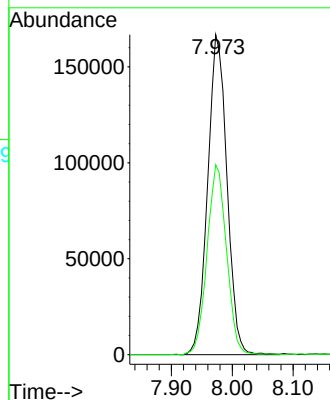
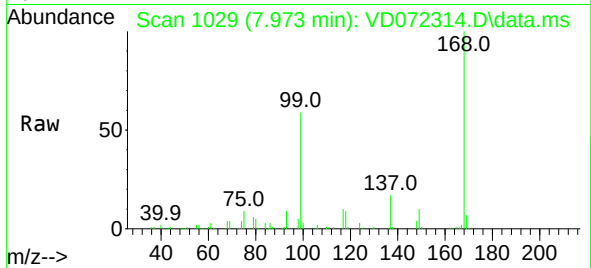




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

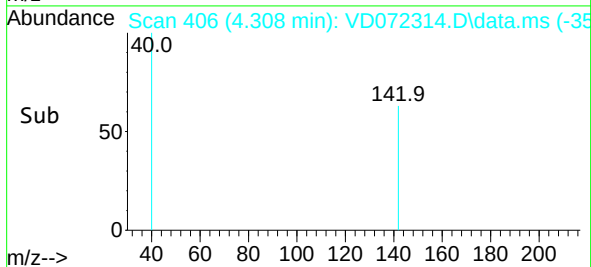
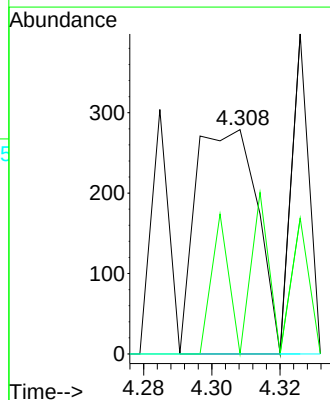
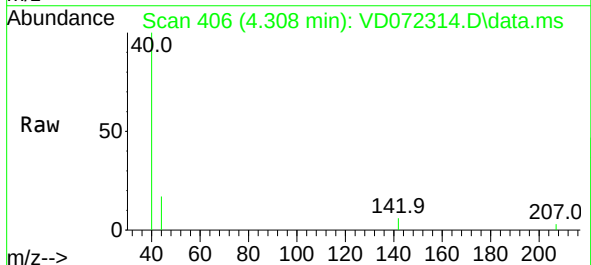
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

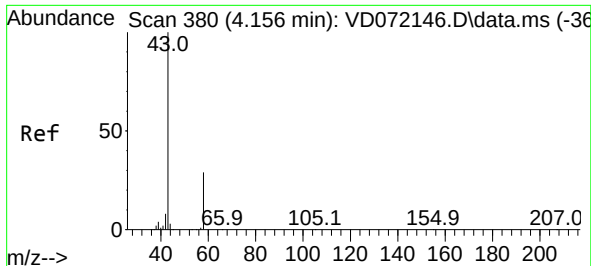
Tgt Ion:168 Resp: 366988
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#10
Methyl Iodide
Concen: 2.316 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion:142 Resp: 349
Ion Ratio Lower Upper
142 100
127 17.5 37.3 55.9#
141 0.0 11.7 17.5#

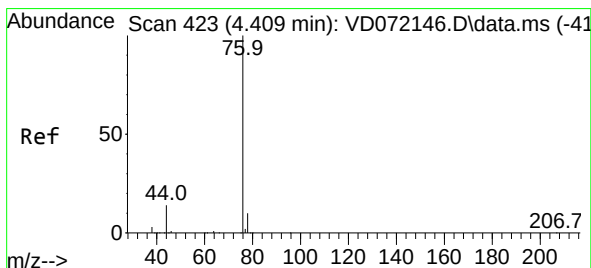
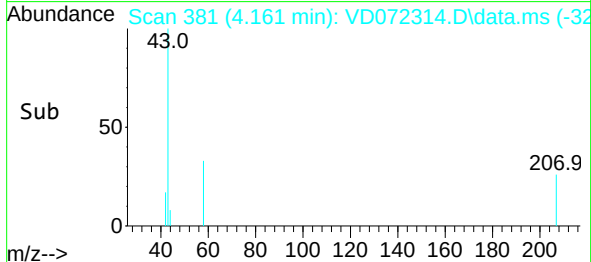
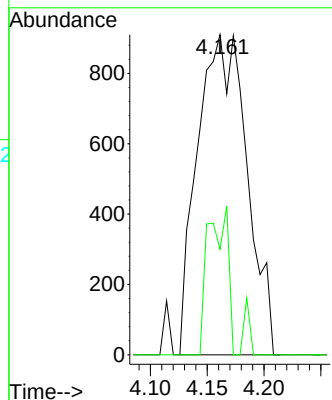
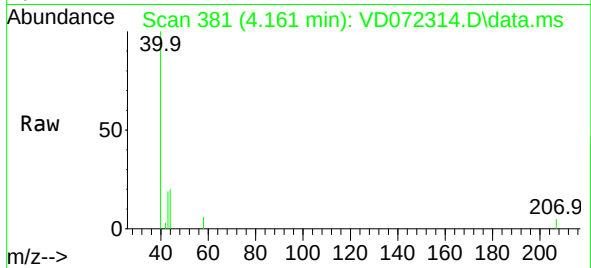




#16
Acetone
Concen: 3.104 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

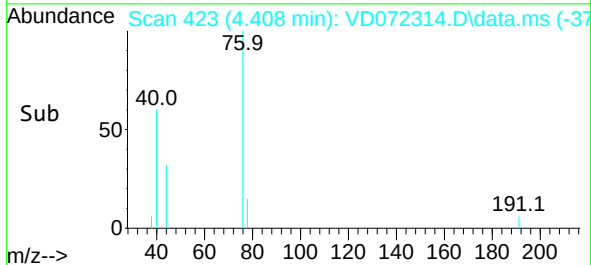
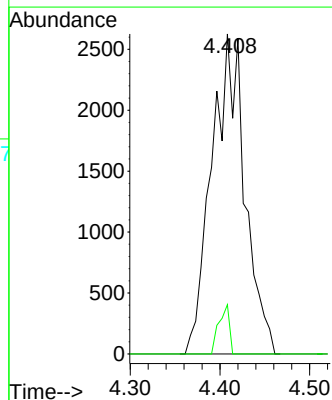
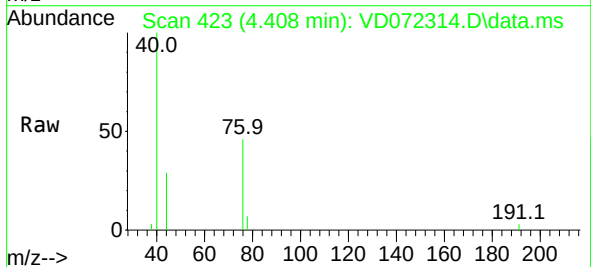
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

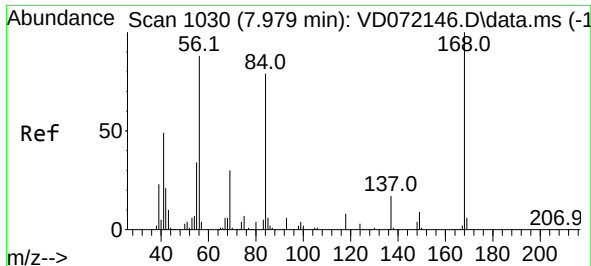
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 33.0 22.1 33.1



#17
Carbon Disulfide
Concen: 2.329 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.001 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

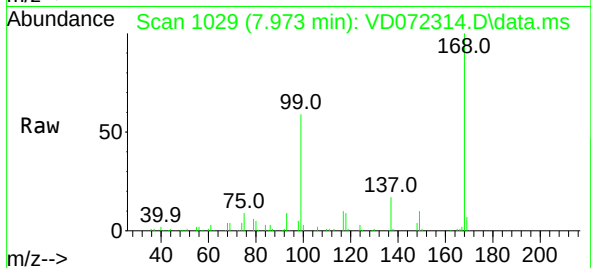
Tgt Ion: 76 Resp: 6722
Ion Ratio Lower Upper
76 100
78 15.4 7.5 11.3#



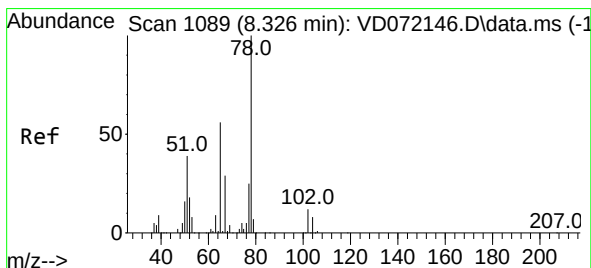
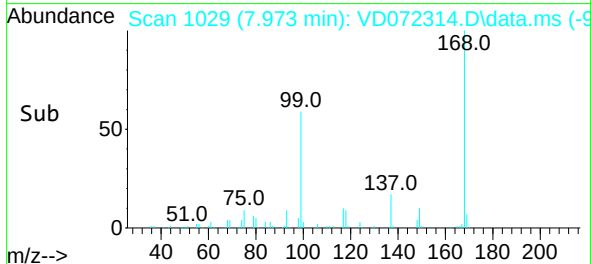
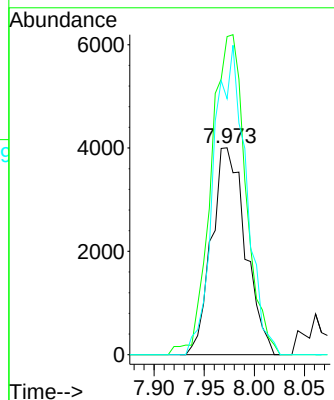


#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

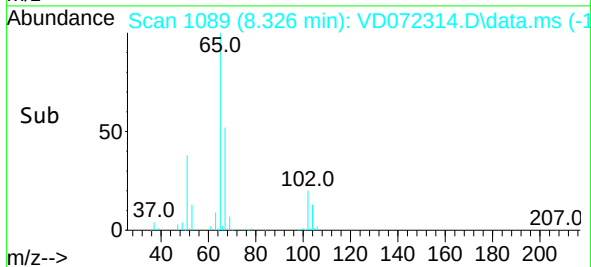
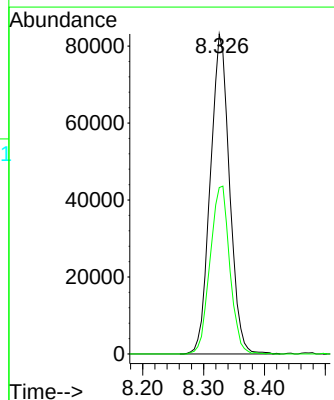
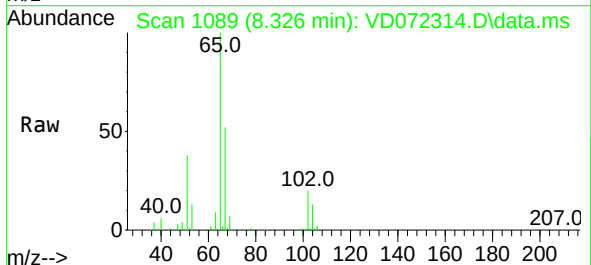


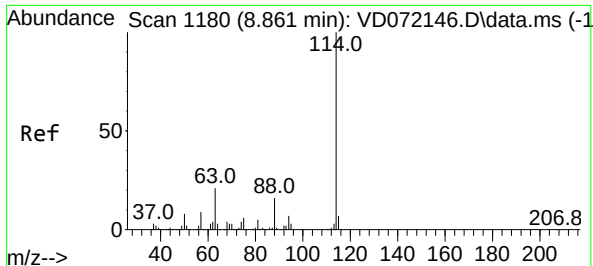
Tgt Ion: 56 Resp: 9390
Ion Ratio Lower Upper
56 100
69 153.8 25.4 38.2#
84 123.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 44.465 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion: 65 Resp: 181858
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27154

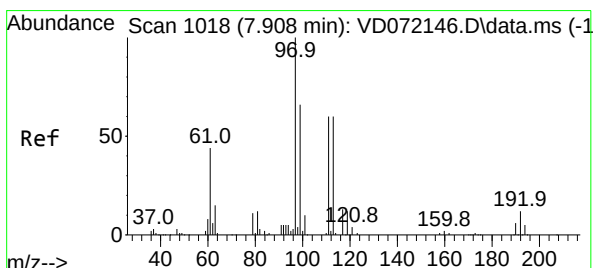
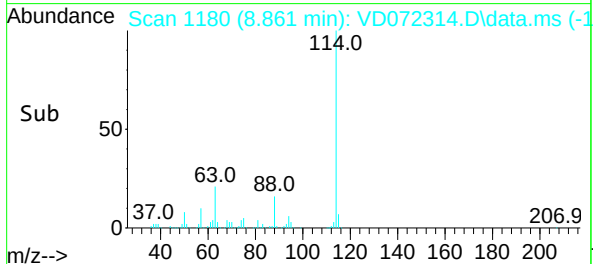
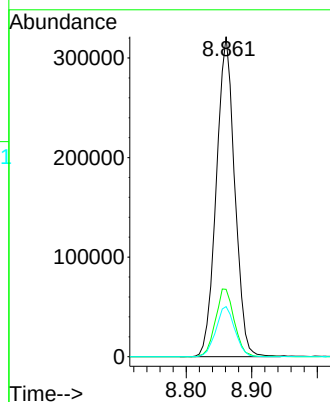
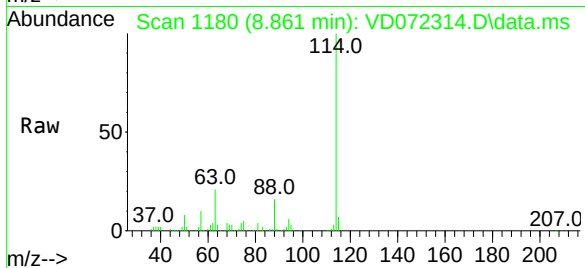
Tgt Ion:114 Resp: 623792

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.188 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

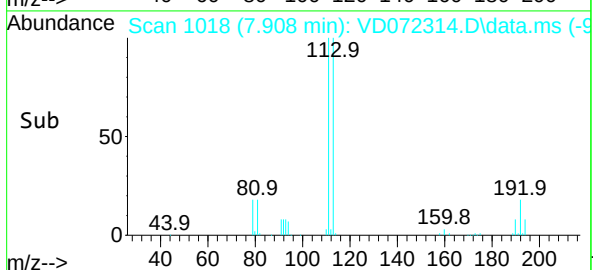
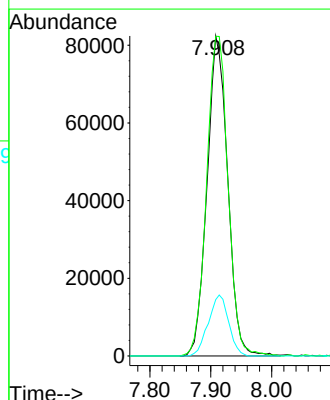
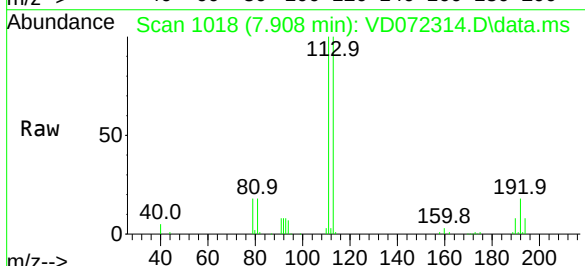
Tgt Ion:113 Resp: 193971

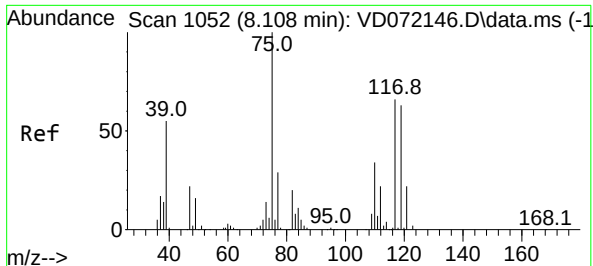
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27154

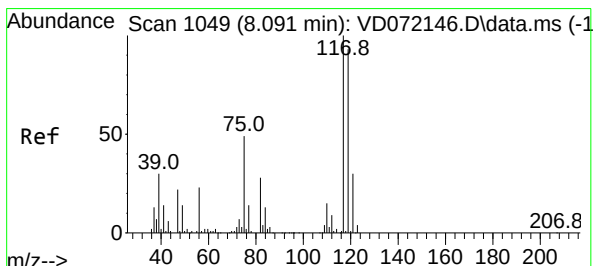
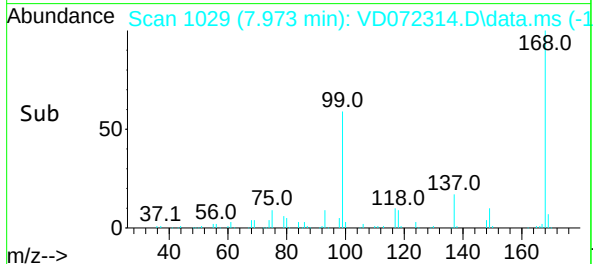
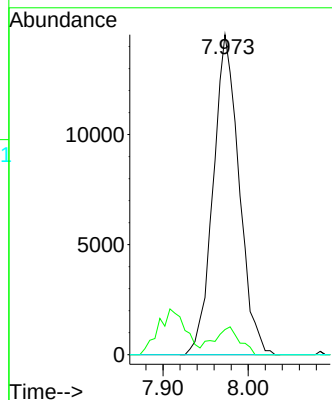
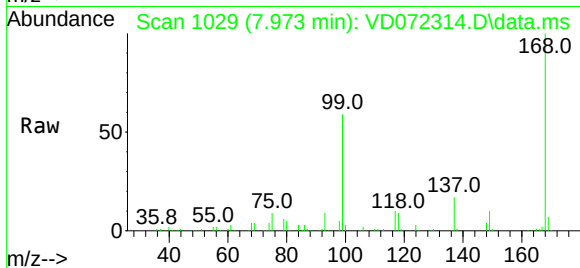
Tgt Ion: 75 Resp: 30645

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

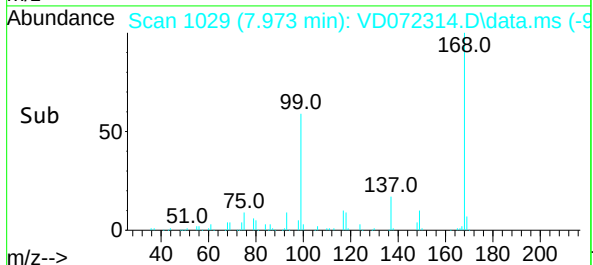
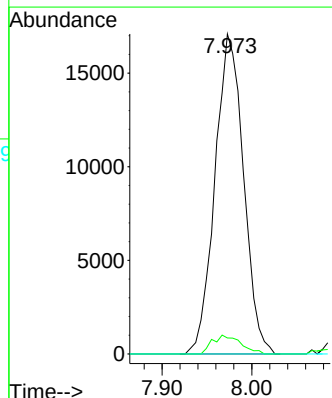
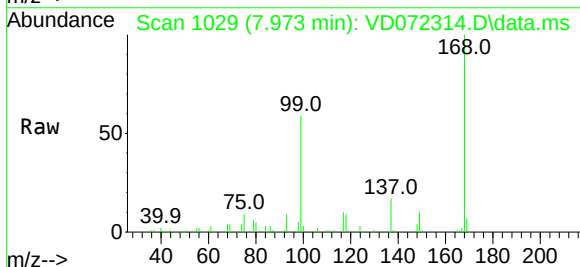
Tgt Ion: 117 Resp: 37795

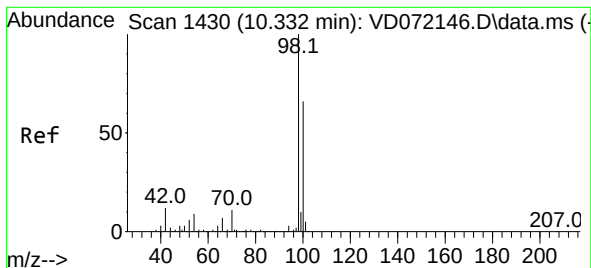
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 43.174 ug/l

RT: 10.337 min Scan# 1430

Delta R.T. 0.005 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

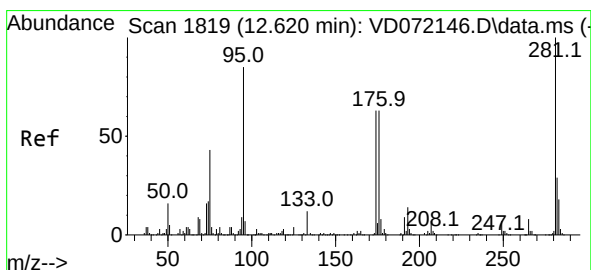
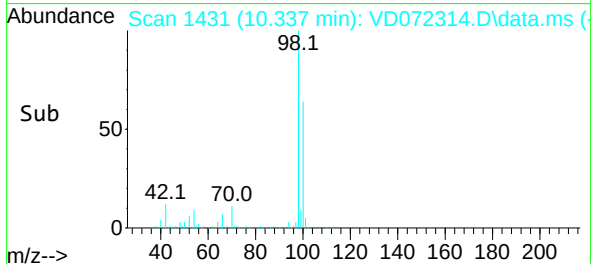
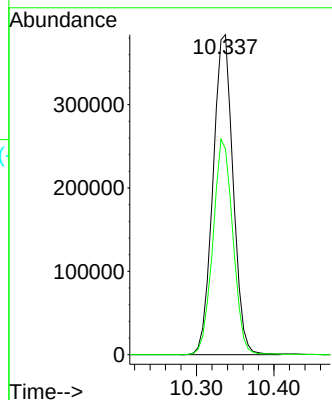
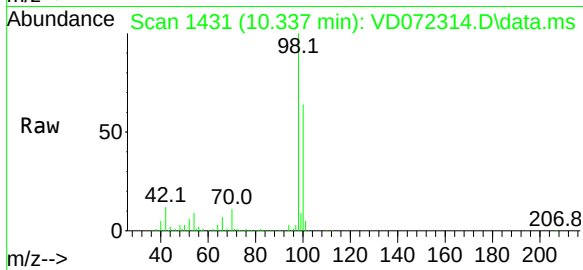
CHRT-27154

Tgt Ion: 98 Resp: 692981

Ion Ratio Lower Upper

98 100

100 67.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 38.425 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

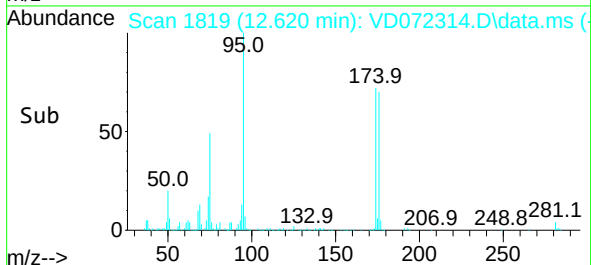
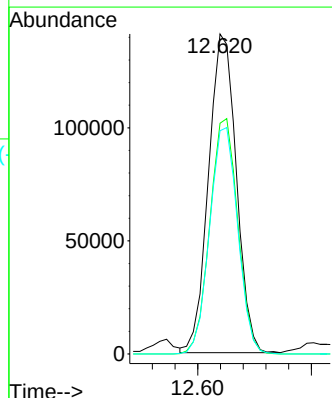
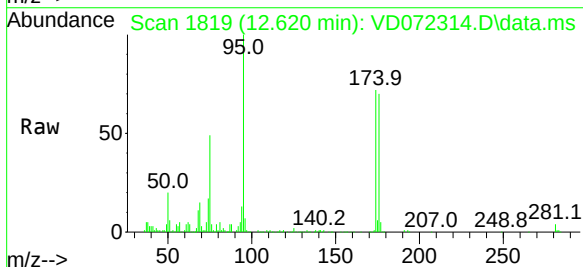
Tgt Ion: 95 Resp: 239642

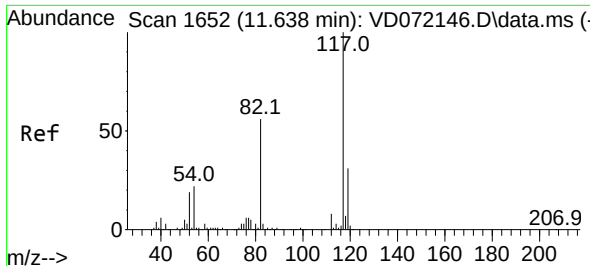
Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.8

176 71.8 0.0 145.4

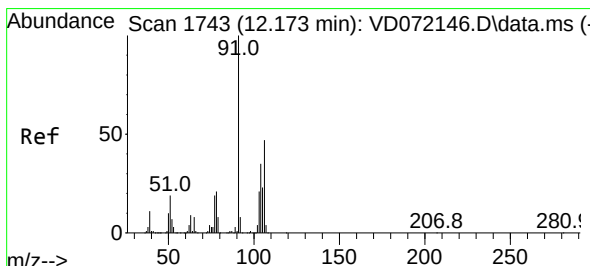
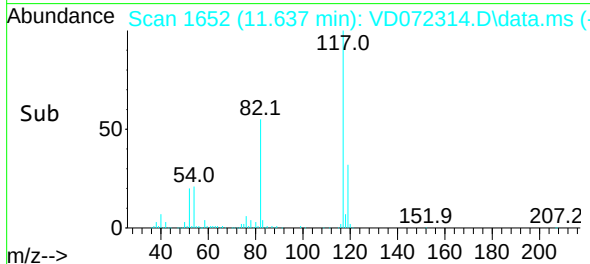
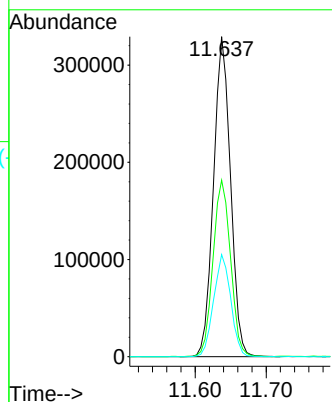
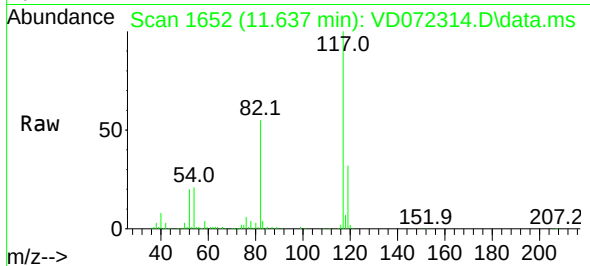




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

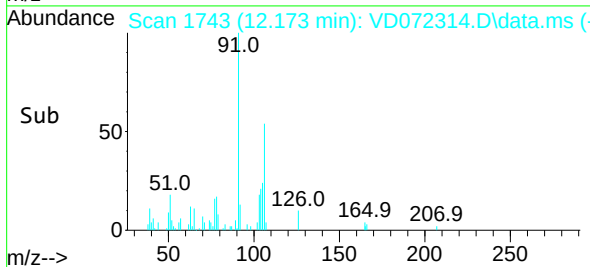
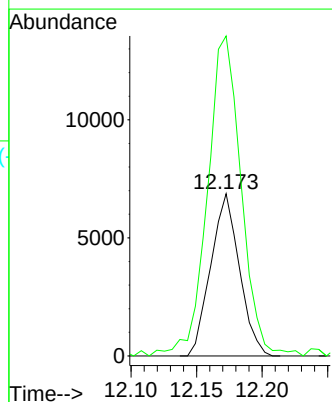
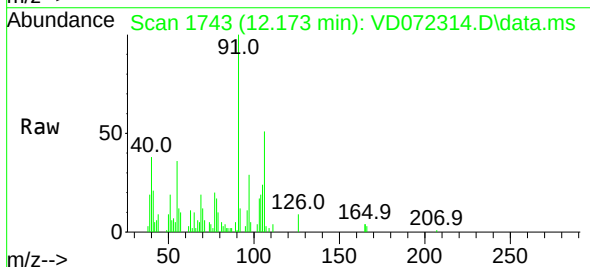
Instrument :
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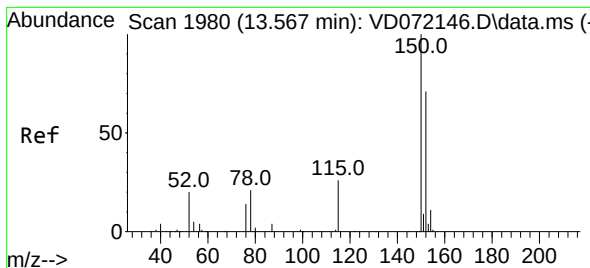
Tgt Ion:117 Resp: 546975
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 31.9 26.6 40.0



#69
o-Xylene
Concen: 1.327 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion:106 Resp: 10441
Ion Ratio Lower Upper
106 100
91 232.5 110.4 331.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27154

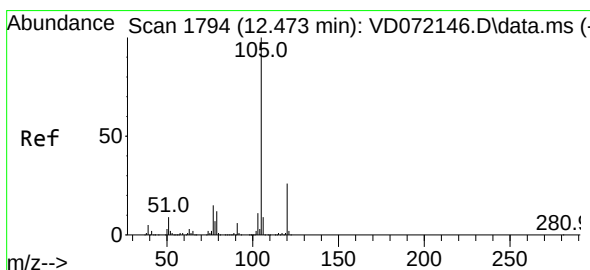
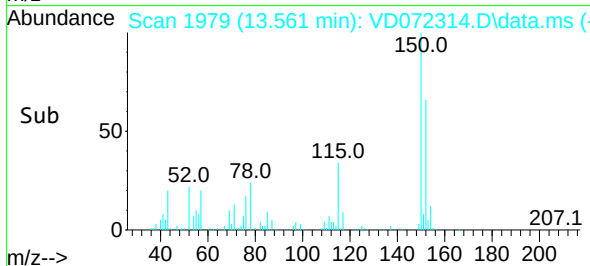
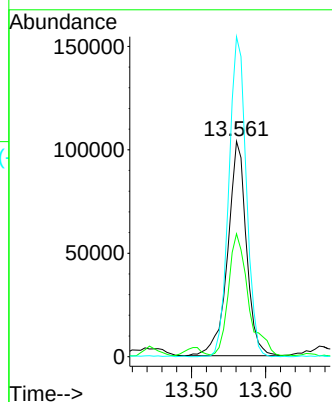
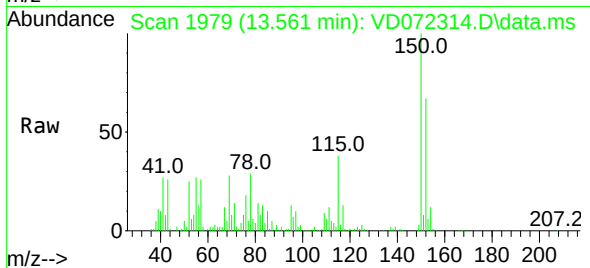
Tgt Ion:152 Resp: 180784

Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 139.6 0.0 348.6



#73

Isopropylbenzene

Concen: 1.244 ug/l

RT: 12.473 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VD072314.D

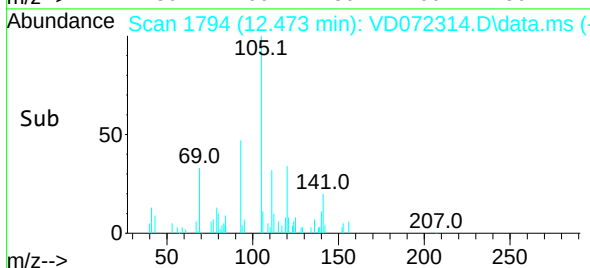
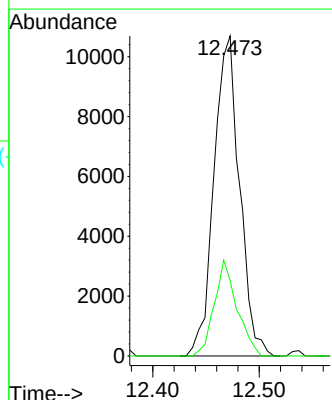
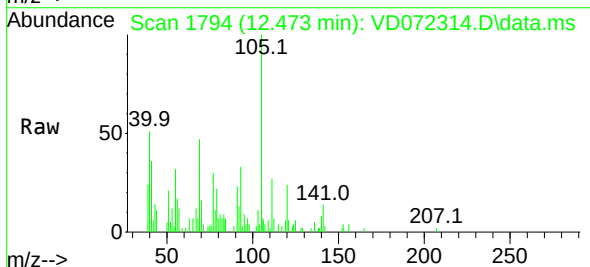
Acq: 19 Mar 2022 03:39

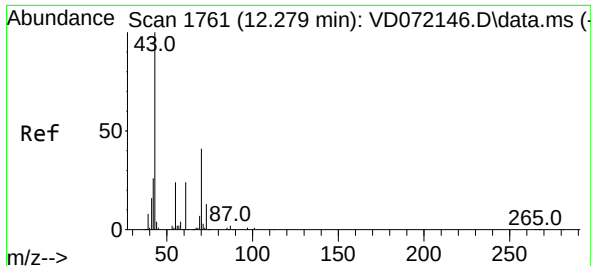
Tgt Ion:105 Resp: 17821

Ion Ratio Lower Upper

105 100

120 26.6 13.0 38.9

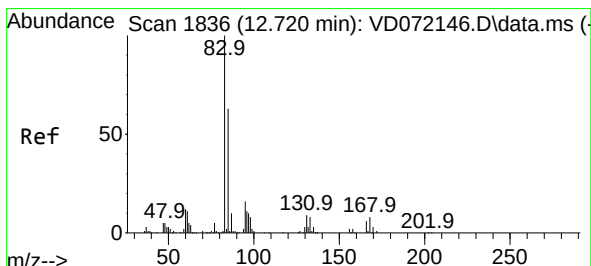
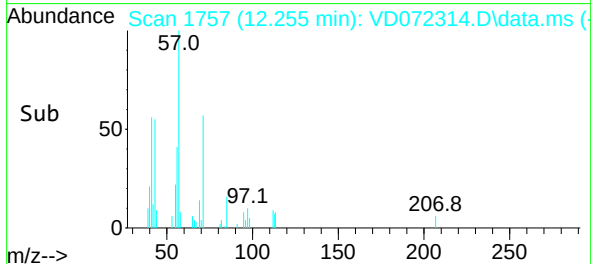
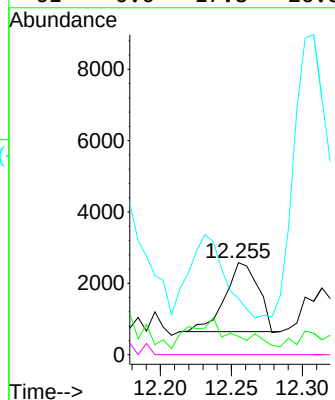
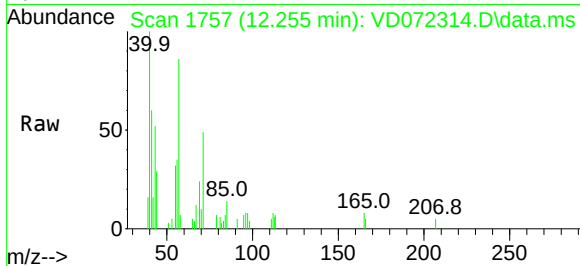




#74
N-amy1 acetate
Concen: 1.027 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

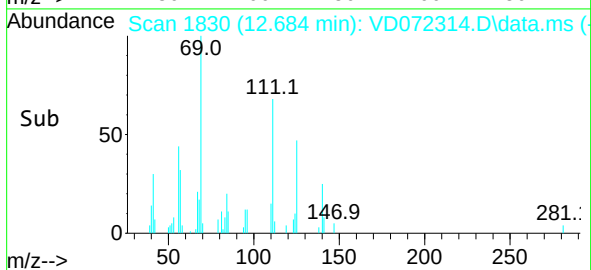
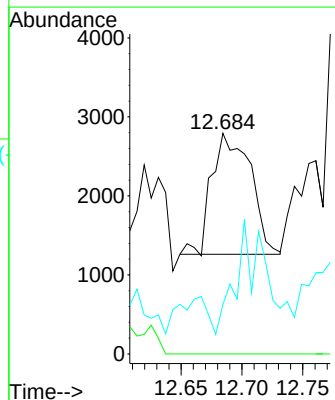
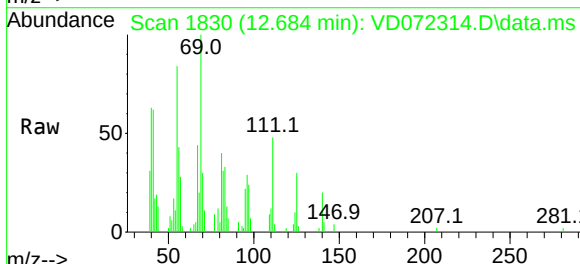
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

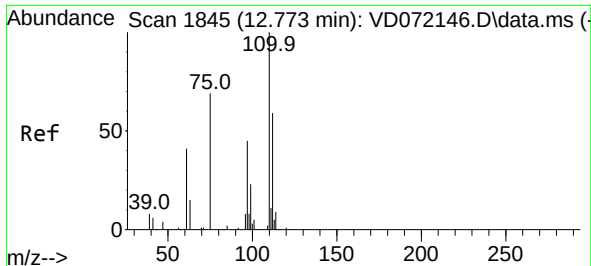
Tgt Ion: 43	Resp: 3163
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.332 ug/l
RT: 12.684 min Scan# 1830
Delta R.T. -0.036 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion: 83	Resp: 3412
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 14.9#
85 35.6	32.6 98.0

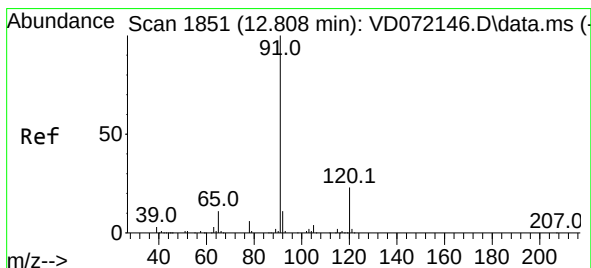
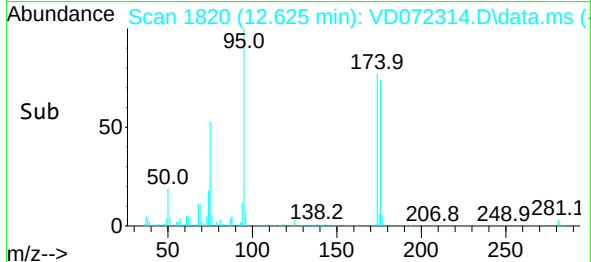
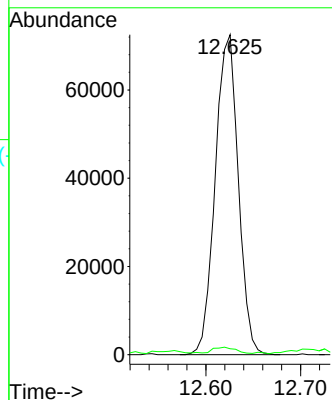
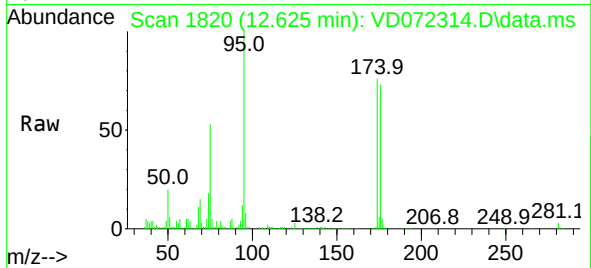




#76
1,2,3-Trichloropropane
Concen: 61.436 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

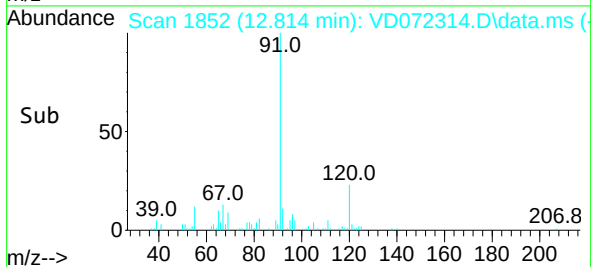
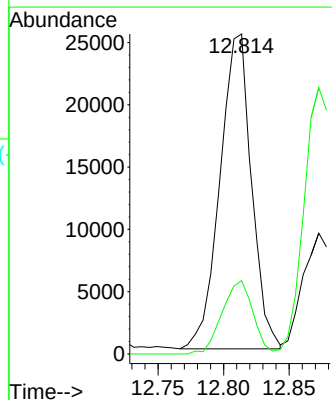
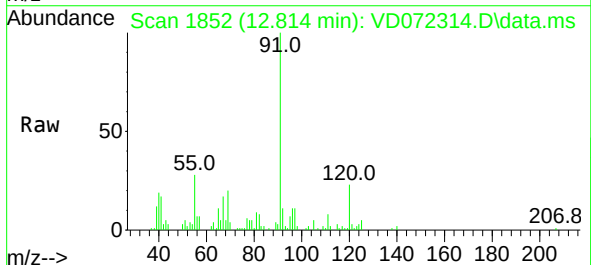
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

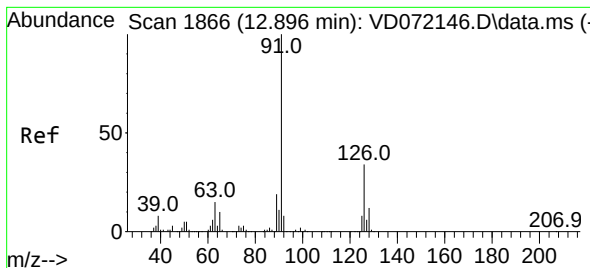
Tgt Ion: 75 Resp: 122517
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#78
n-propylbenzene
Concen: 2.435 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion: 91 Resp: 42372
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.9

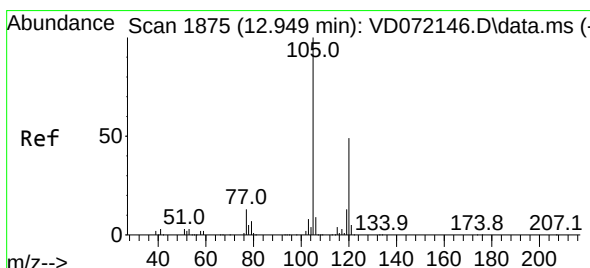
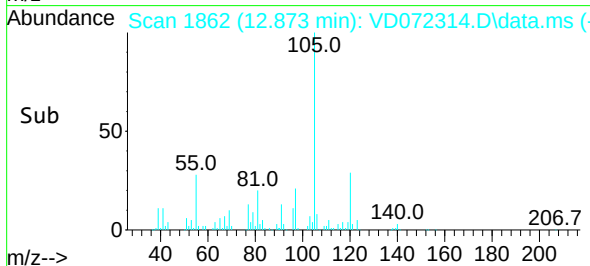
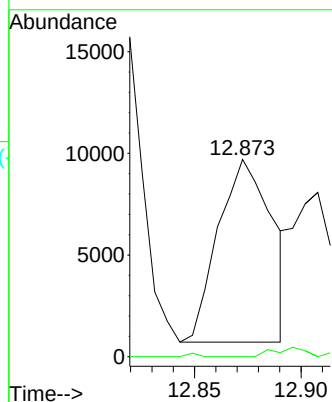
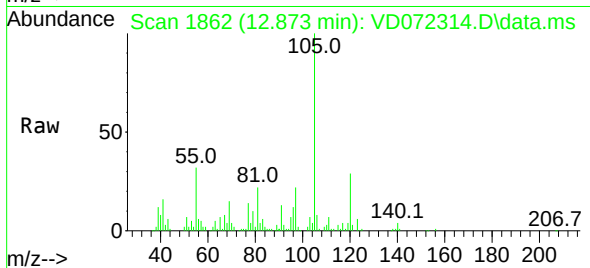




#79
2-Chlorotoluene
Concen: 1.566 ug/l
RT: 12.873 min Scan# 1862
Delta R.T. -0.024 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

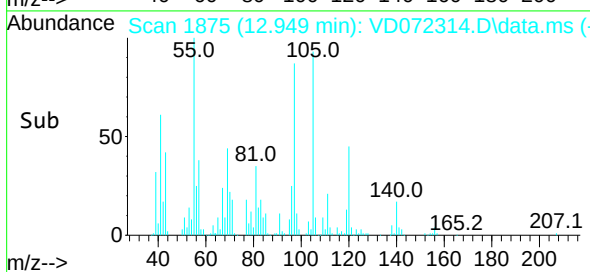
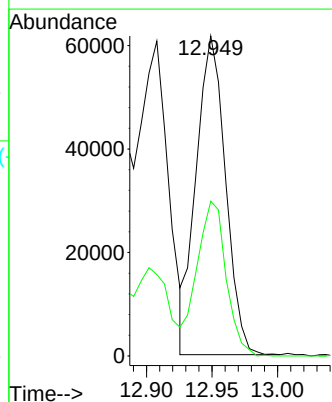
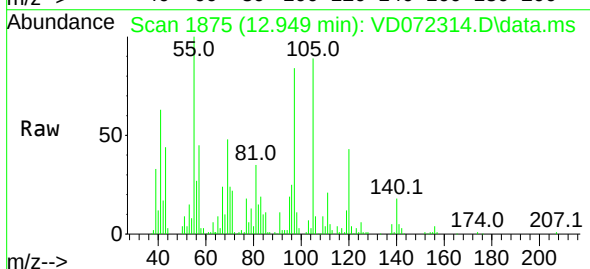
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

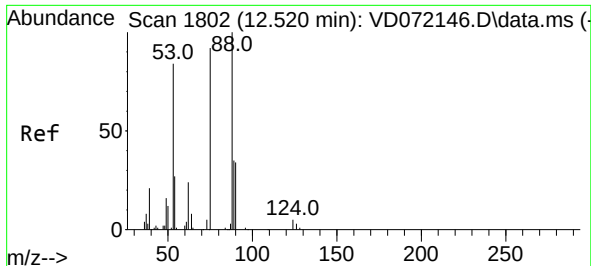
Tgt Ion: 91 Resp: 15756
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#80
1,3,5-Trimethylbenzene
Concen: 7.783 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion: 105 Resp: 95790
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8

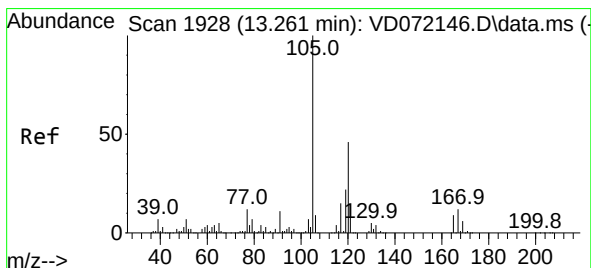
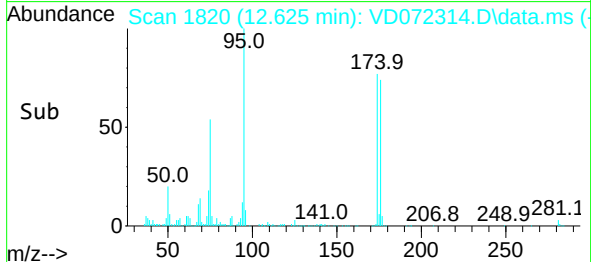
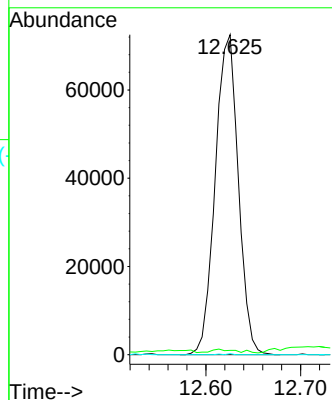
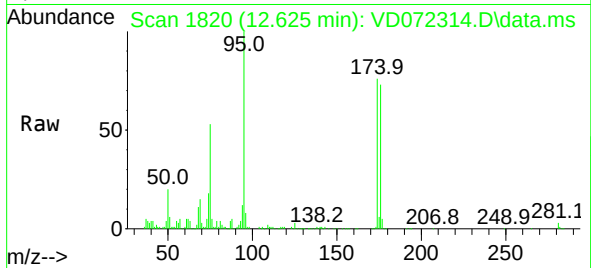




#81
trans-1,4-Dichloro-2-butene
Concen: 152.430 ug/l
RT: 12.625 min Scan# 1802
Delta R.T. 0.105 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

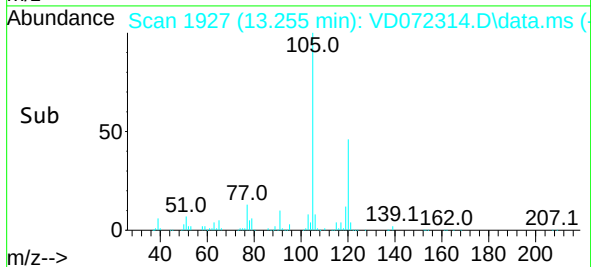
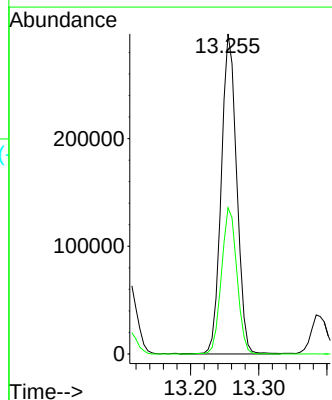
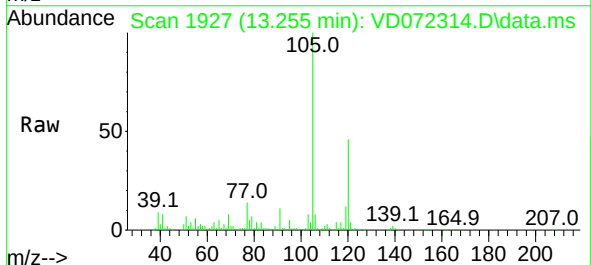
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27154

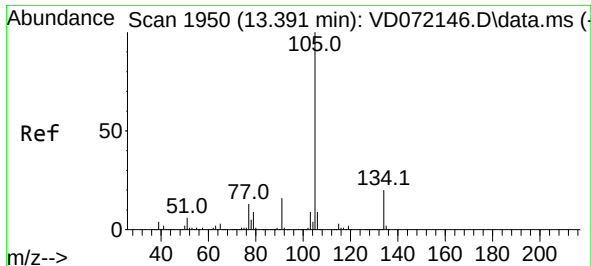
Tgt Ion: 75 Resp: 122517
Ion Ratio Lower Upper
75 100
53 1.2 86.5 129.7#
89 0.1 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 38.677 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072314.D
Acq: 19 Mar 2022 03:39

Tgt Ion:105 Resp: 469032
Ion Ratio Lower Upper
105 100
120 45.5 22.3 66.8

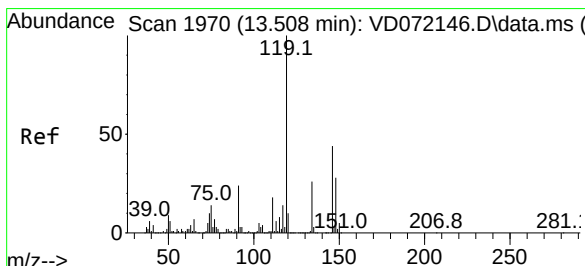
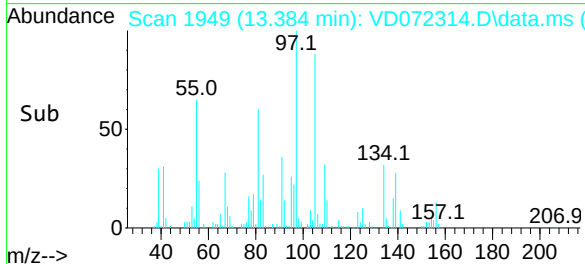
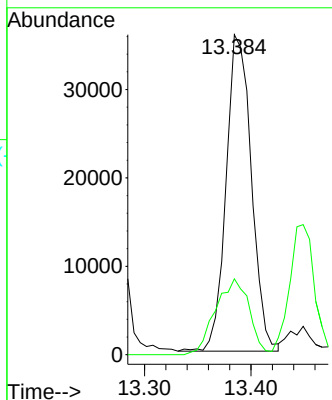
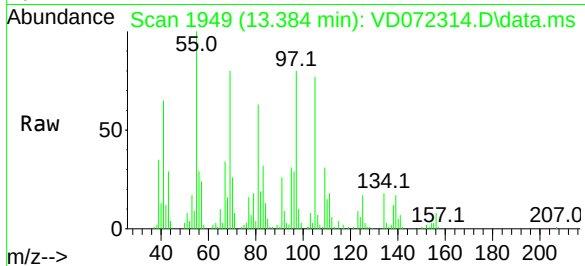




#85
 sec-Butylbenzene
 Concen: 3.649 ug/l
 RT: 13.384 min Scan# 1949
 Delta R.T. -0.006 min
 Lab File: VD072314.D
 Acq: 19 Mar 2022 03:39

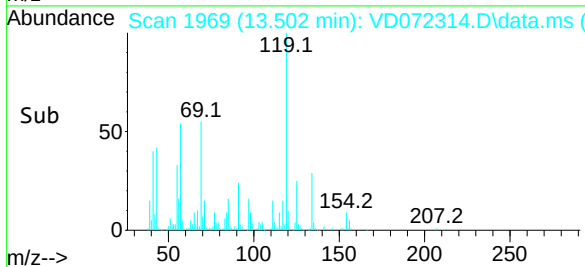
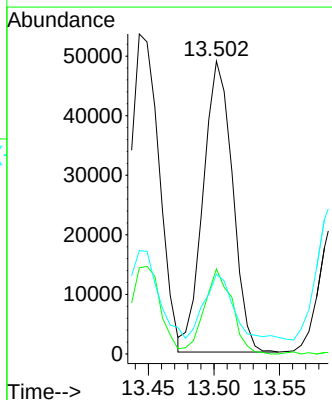
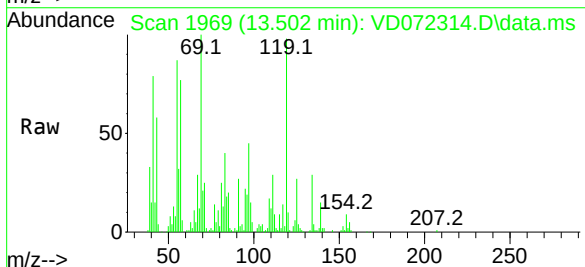
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27154

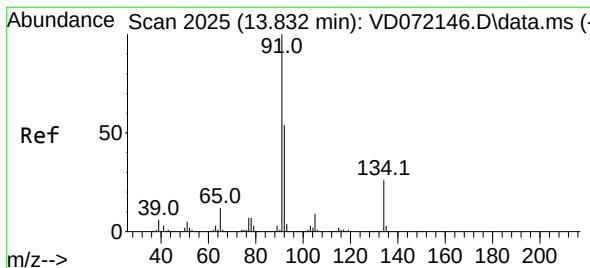
Tgt Ion:105 Resp: 59136
 Ion Ratio Lower Upper
 105 100
 134 31.9 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 5.707 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072314.D
 Acq: 19 Mar 2022 03:39

Tgt Ion:119 Resp: 76098
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.9 38.6
 91 22.7 12.1 36.3





#89

n-Butylbenzene

Concen: 8.556 ug/l

RT: 13.825 min Scan# 2025

Delta R.T. -0.006 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27154

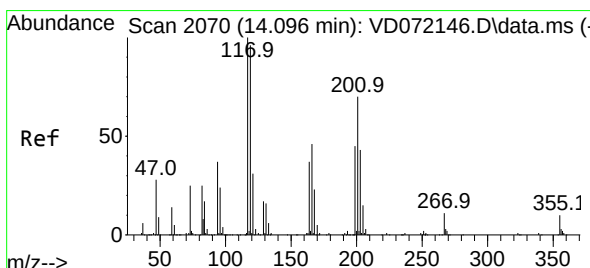
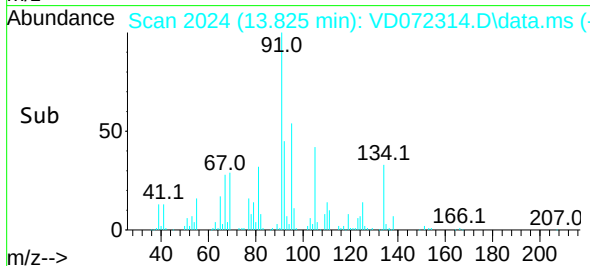
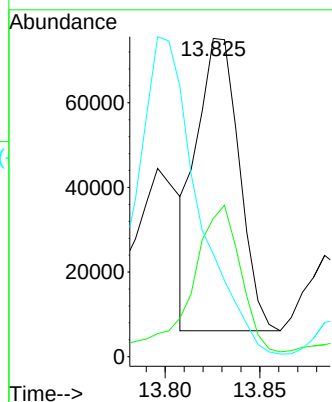
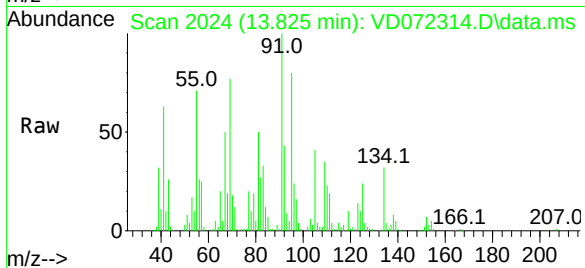
Tgt Ion: 91 Resp: 108739

Ion Ratio Lower Upper

91 100

92 55.1 26.6 79.8

134 0.0 12.3 36.9#



#90

Hexachloroethane

Concen: 13.655 ug/l

RT: 14.102 min Scan# 2071

Delta R.T. 0.005 min

Lab File: VD072314.D

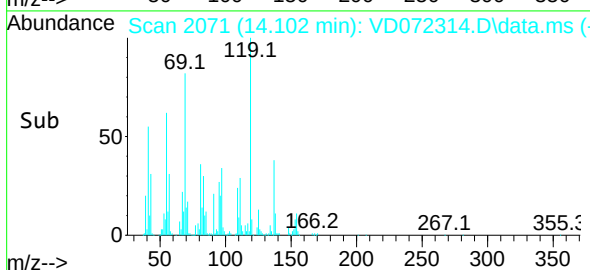
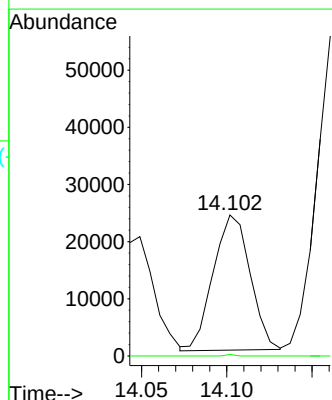
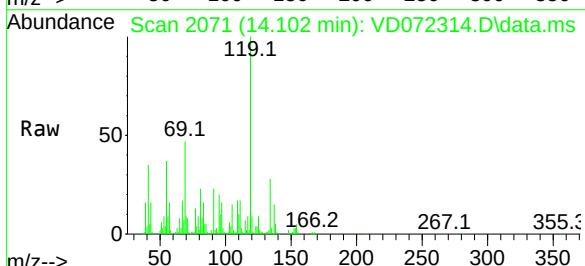
Acq: 19 Mar 2022 03:39

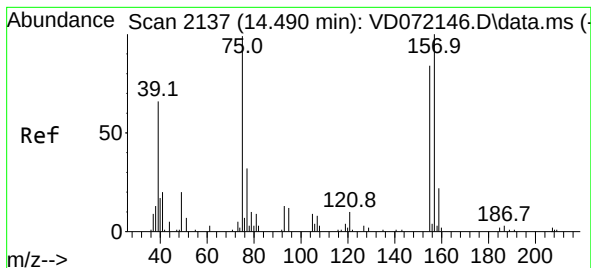
Tgt Ion: 117 Resp: 35685

Ion Ratio Lower Upper

117 100

201 0.2 33.4 100.2#

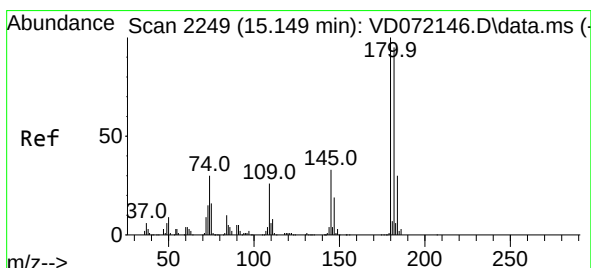
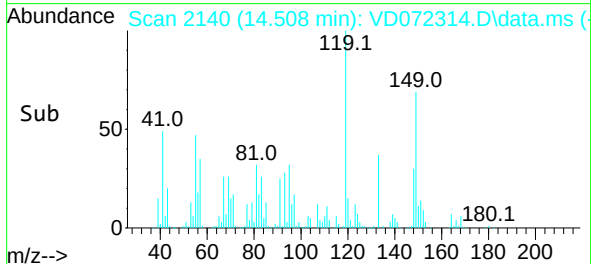
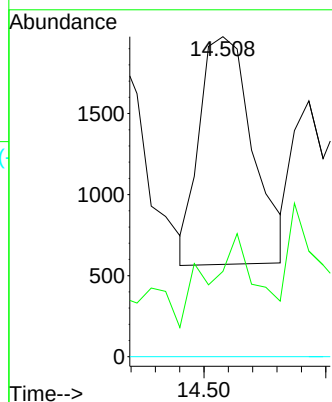
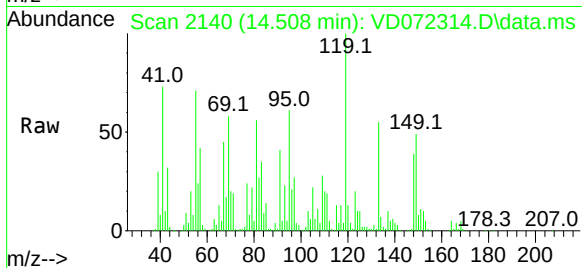




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.229 ug/l
 RT: 14.508 min Scan# 2138
 Delta R.T. 0.017 min
 Lab File: VD072314.D
 Acq: 19 Mar 2022 03:39

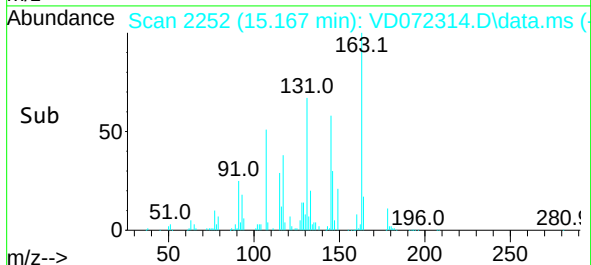
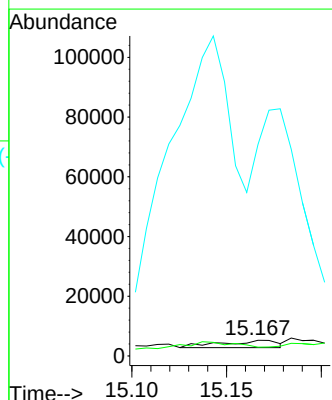
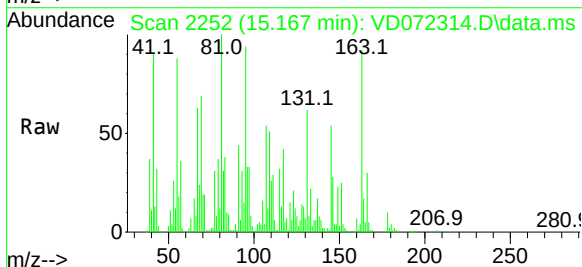
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27154

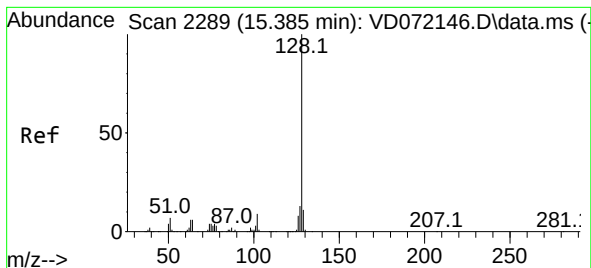
Tgt Ion: 75 Resp: 2138
 Ion Ratio Lower Upper
 75 100
 155 37.3 36.8 110.3
 157 0.0 48.4 145.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.274 ug/l
 RT: 15.167 min Scan# 2252
 Delta R.T. 0.017 min
 Lab File: VD072314.D
 Acq: 19 Mar 2022 03:39

Tgt Ion: 180 Resp: 4971
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 16.2 48.5#





#95

Naphthalene

Concen: 26.226 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27154

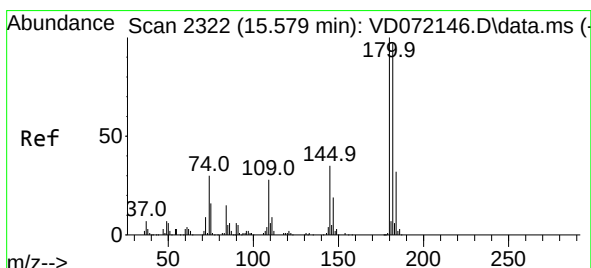
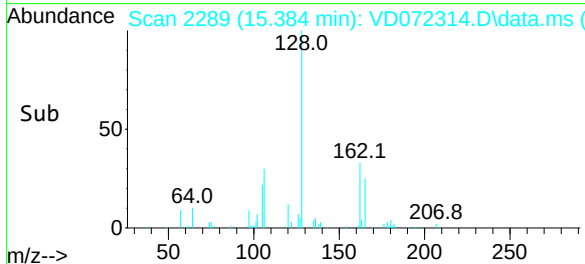
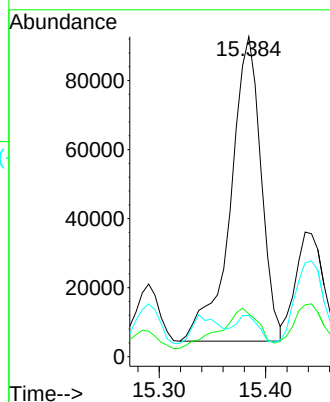
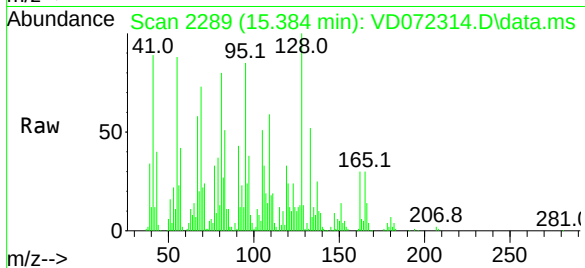
Tgt Ion:128 Resp: 176347

Ion Ratio Lower Upper

128 100

127 16.8 10.3 15.5#

129 6.1 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 7.174 ug/l

RT: 15.596 min Scan# 2325

Delta R.T. 0.017 min

Lab File: VD072314.D

Acq: 19 Mar 2022 03:39

Tgt Ion:180 Resp: 24224

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 0.0 17.1 51.3#

