

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072315.D
 Acq On : 19 Mar 2022 04:07
 Operator : VA/SY
 Sample : N1944-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24449

Quant Time: Mar 19 05:35:03 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)

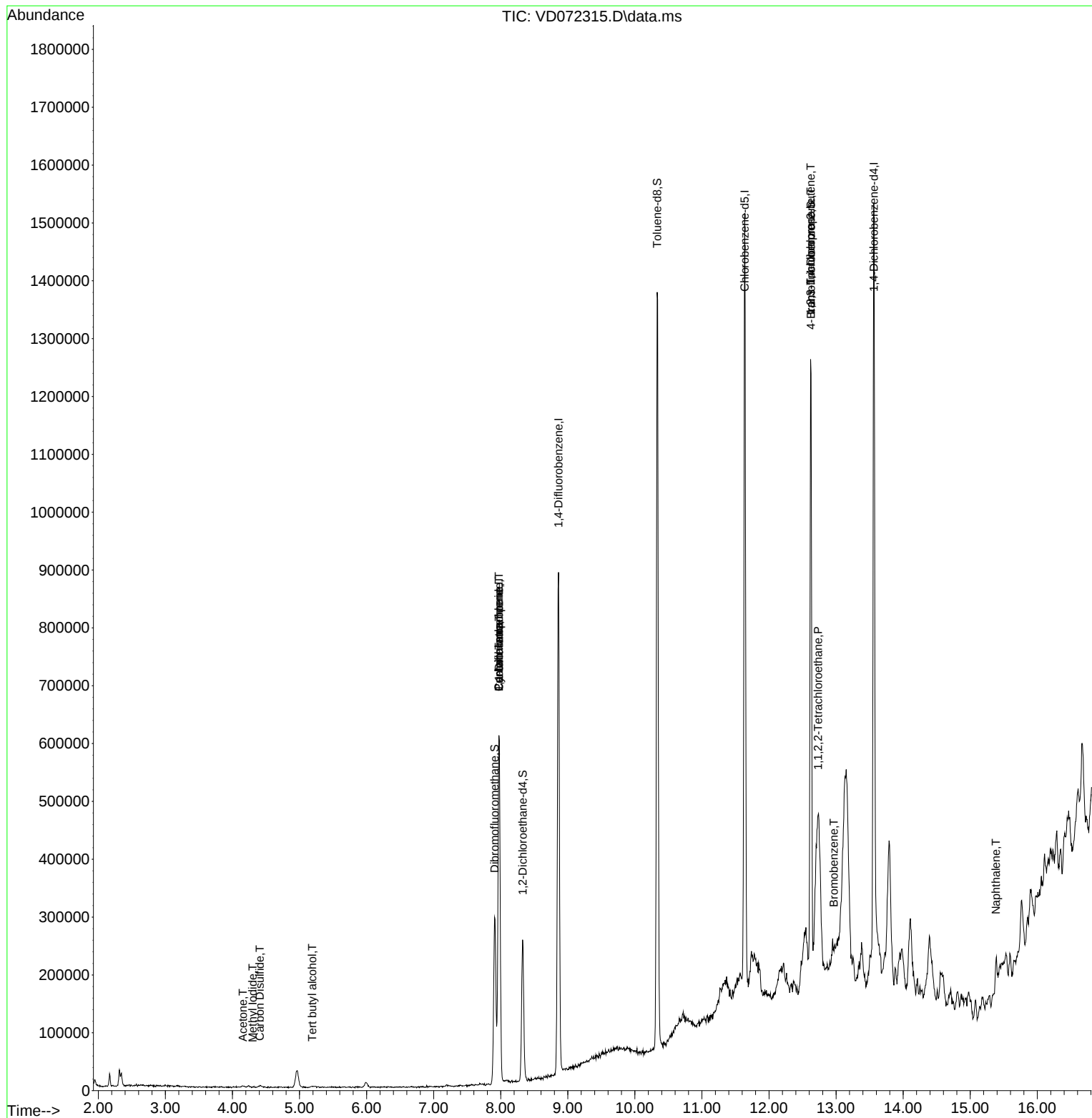
Internal Standards						
1) Pentafluorobenzene	7.973	168	444737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	743984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	759612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	345912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192597	38.859	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.720%		
35) Dibromofluoromethane	7.909	113	211111	40.323	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.640%		
50) Toluene-d8	10.332	98	914056	47.747	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.500%		
62) 4-Bromofluorobenzene	12.626	95	382378	51.407	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.820%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.303	142	623	2.358	ug/l #	45
11) Tert butyl alcohol	5.191	59	957	3.330	ug/l #	74
16) Acetone	4.156	43	2544	2.364	ug/l	99
17) Carbon Disulfide	4.409	76	5681	2.079	ug/l	96
20) Methylene Chloride	4.968	84	22592	Below Cal		92
31) Cyclohexane	7.973	56	11500	1.485	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	37934	5.165	ug/l #	53
38) Carbon Tetrachloride	7.973	117	45462	5.445	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.732	83	95010	19.380	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	188979	49.526	ug/l #	100
77) Bromobenzene	12.967	156	30365	4.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	188979	122.880	ug/l #	7
95) Naphthalene	15.385	128	66865	5.197	ug/l	97

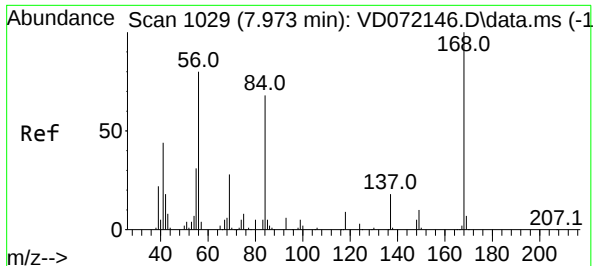
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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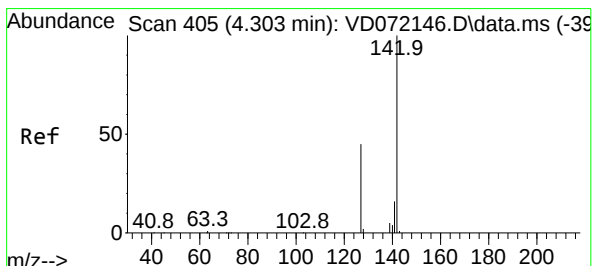
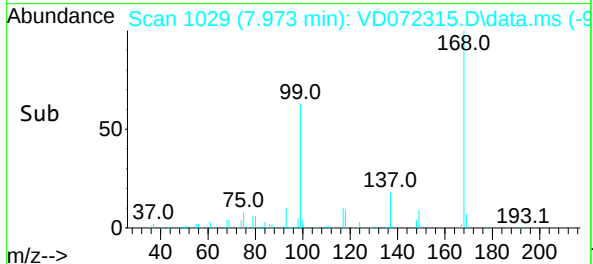
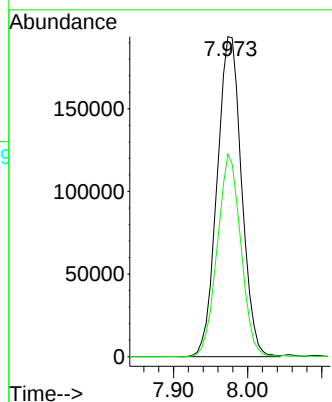
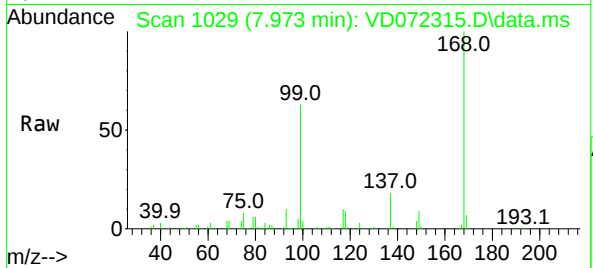




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

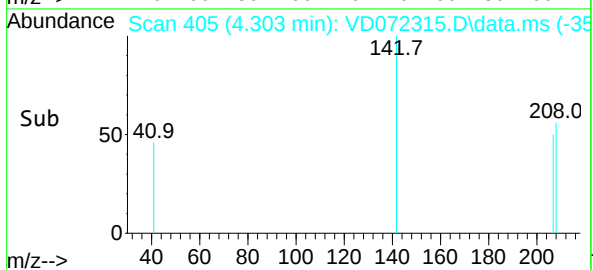
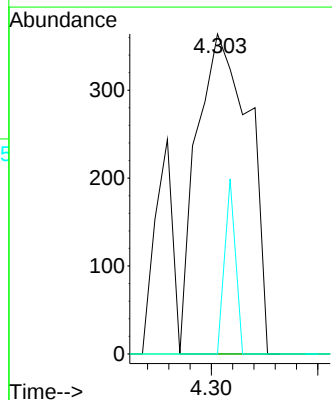
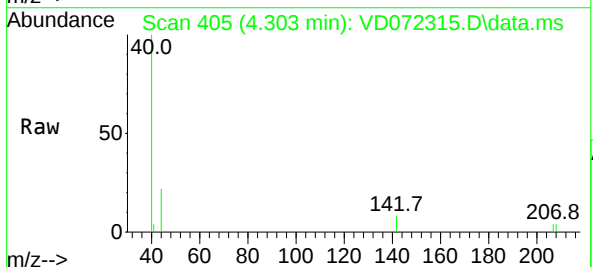
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

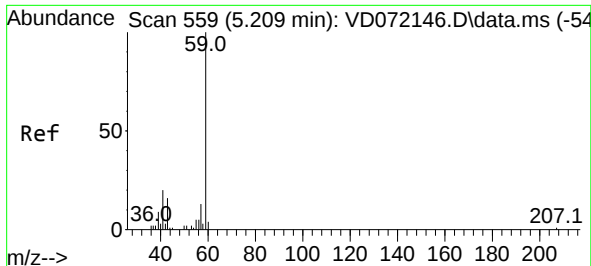
Tgt Ion:168 Resp: 444737
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#10
Methyl Iodide
Concen: 2.358 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

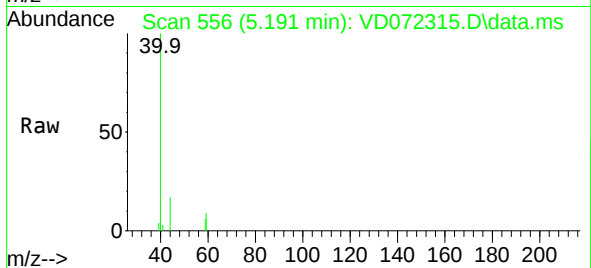
Tgt Ion:142 Resp: 623
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 11.2 11.7 17.5#



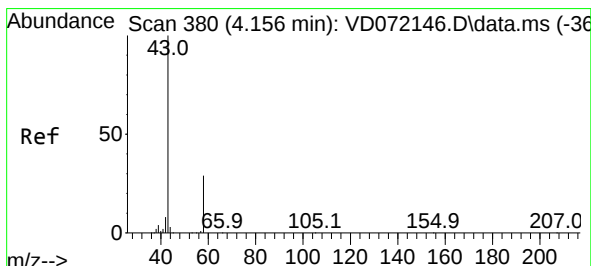
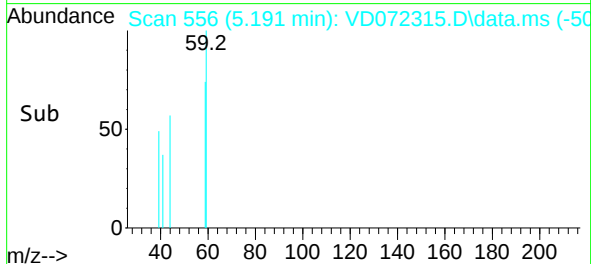
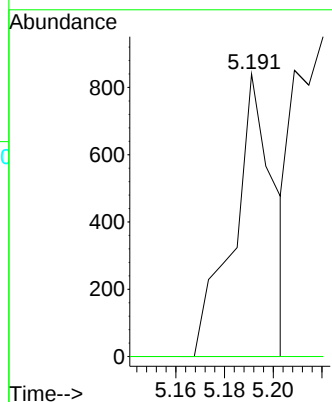


#11
Tert butyl alcohol
Concen: 3.330 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

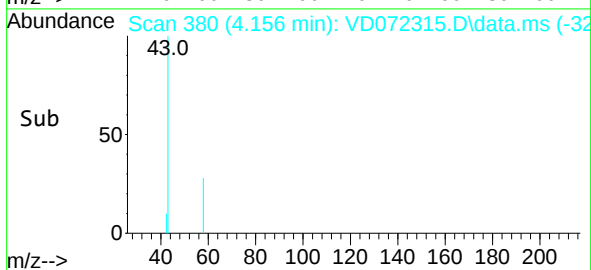
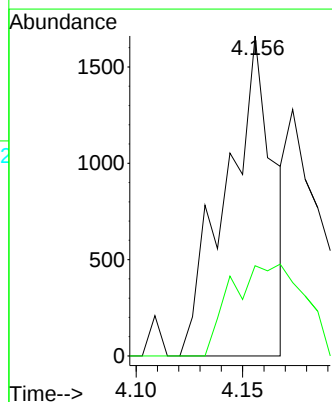
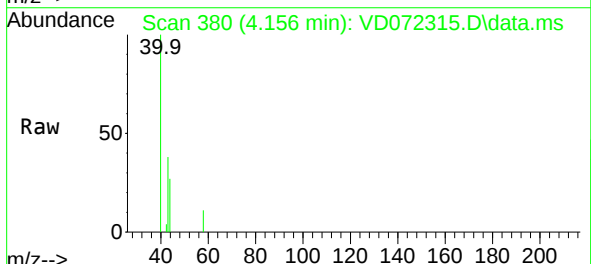


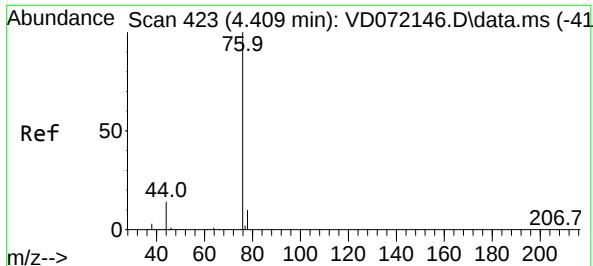
Tgt Ion: 59 Resp: 957
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.364 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
58 28.2 22.1 33.1

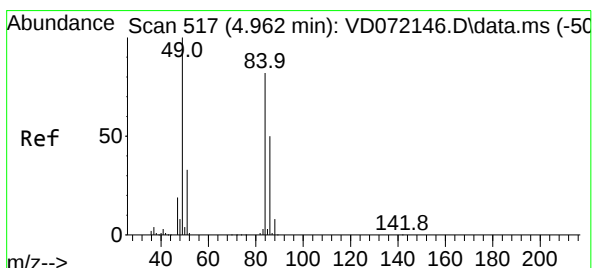
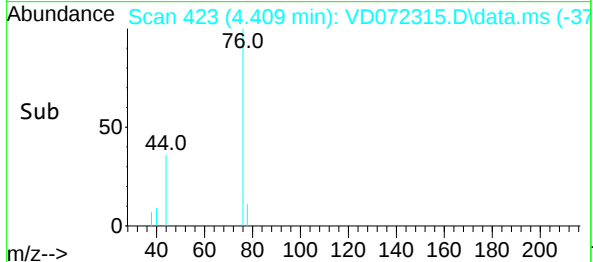
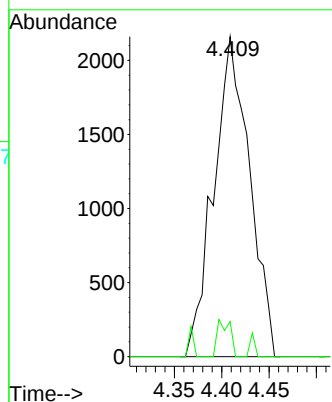
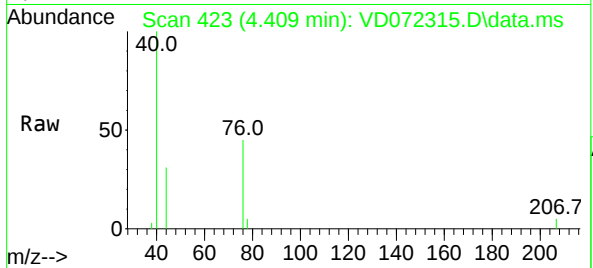




#17
Carbon Disulfide
Concen: 2.079 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

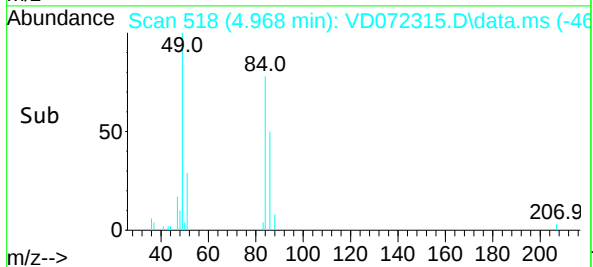
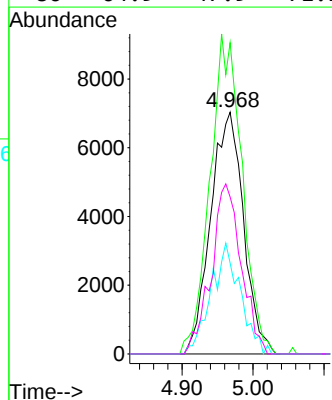
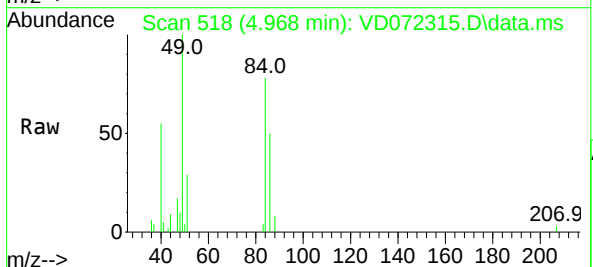
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

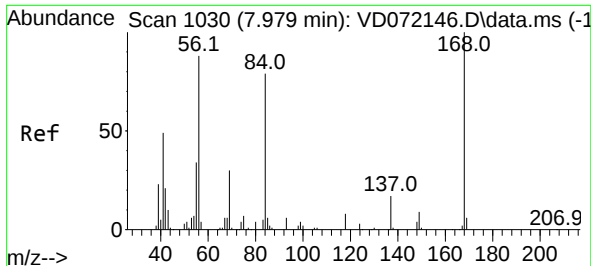
Tgt Ion: 76 Resp: 5681
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion: 84 Resp: 22592
Ion Ratio Lower Upper
84 100
49 128.8 112.8 169.2
51 37.6 32.6 48.8
86 64.9 47.9 71.9

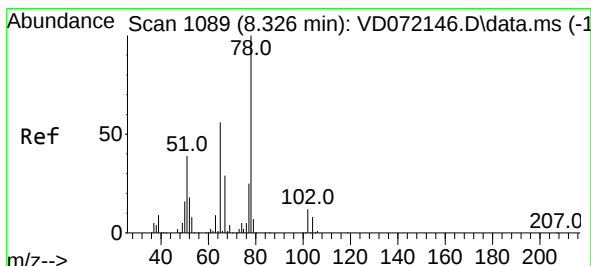
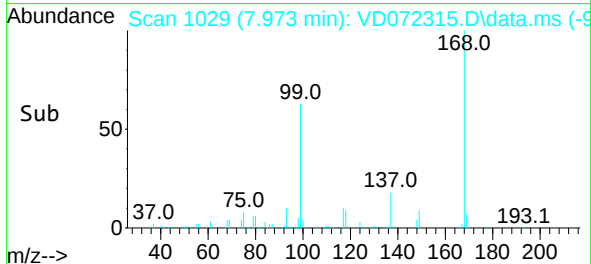
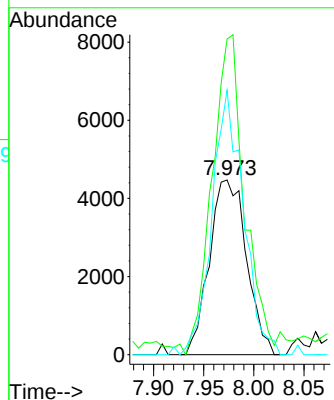
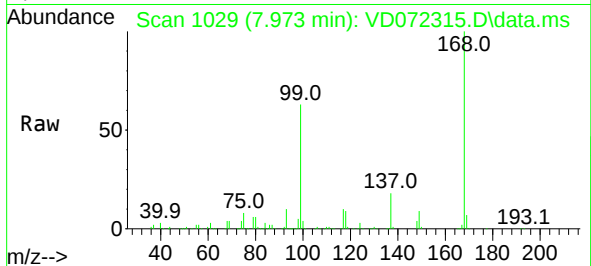




#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

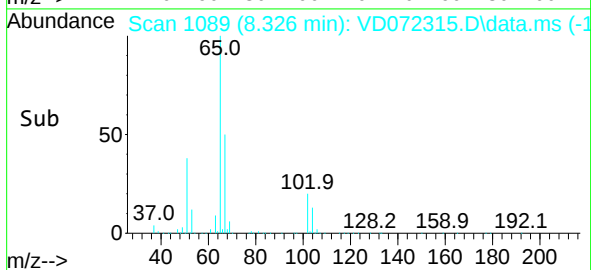
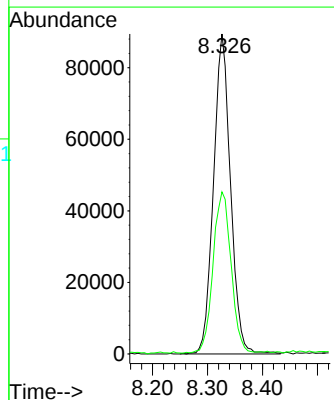
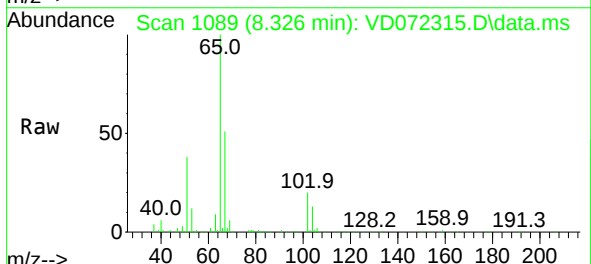
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

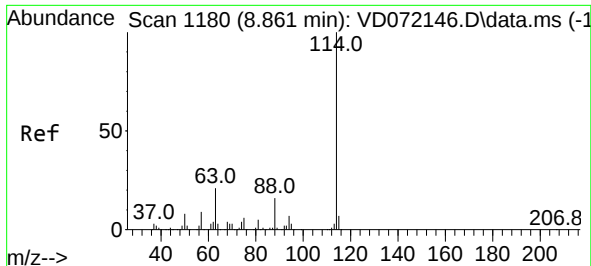
Tgt Ion: 56 Resp: 11500
Ion Ratio Lower Upper
56 100
69 174.5 25.4 38.2#
84 151.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 38.859 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion: 65 Resp: 192597
Ion Ratio Lower Upper
65 100
67 53.3 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: VD072315.D

Acq: 19 Mar 2022 04:07

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24449

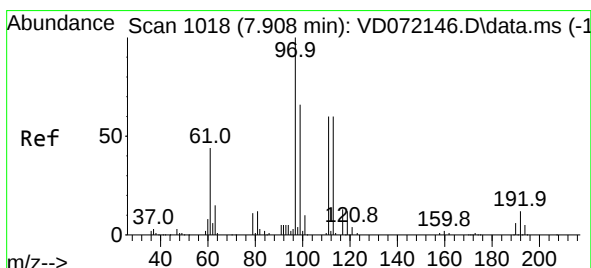
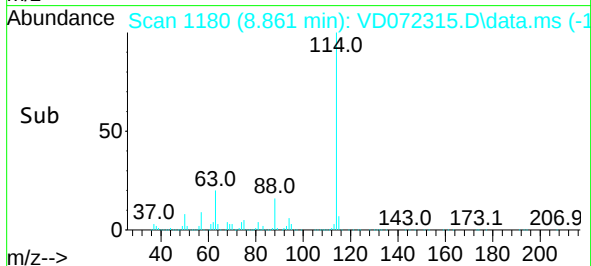
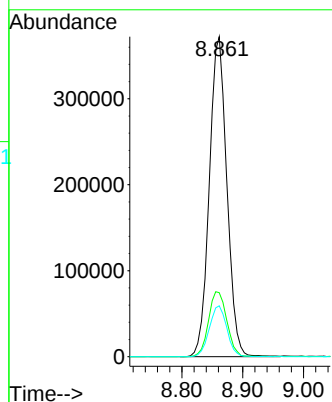
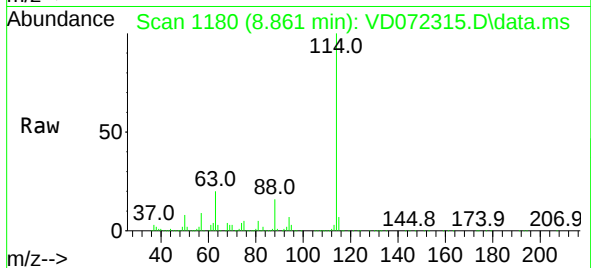
Tgt Ion:114 Resp: 743984

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.323 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072315.D

Acq: 19 Mar 2022 04:07

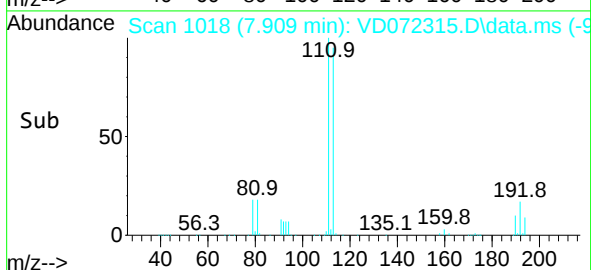
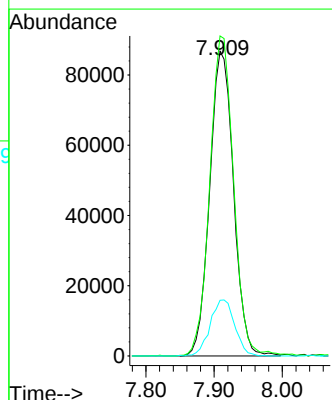
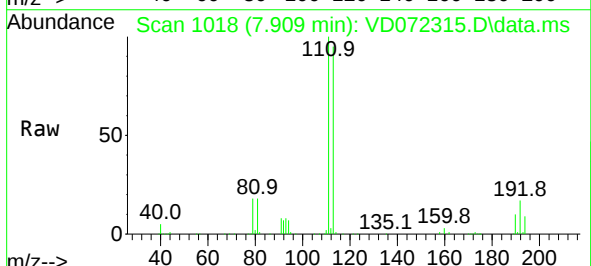
Tgt Ion:113 Resp: 211111

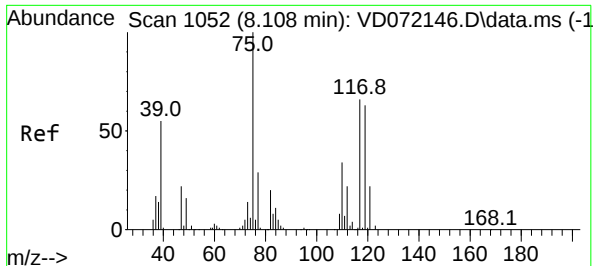
Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

192 19.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.165 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072315.D

Acq: 19 Mar 2022 04:07

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24449

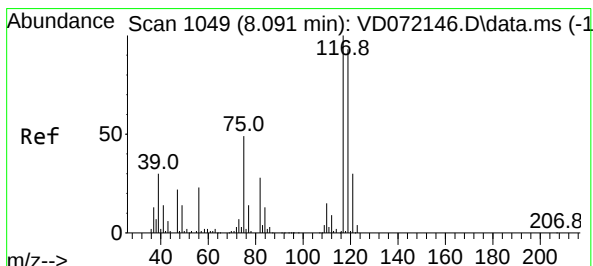
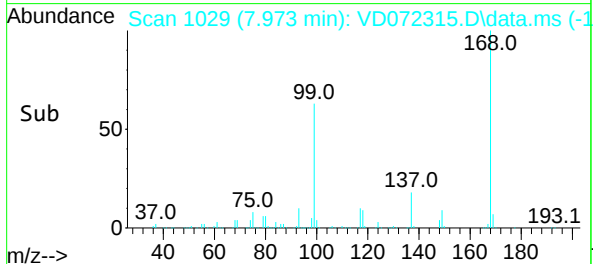
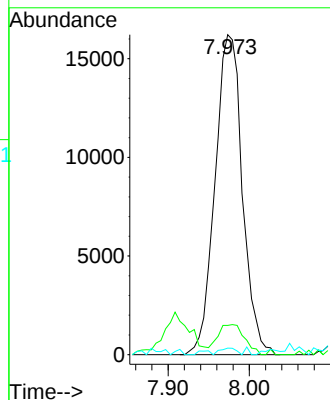
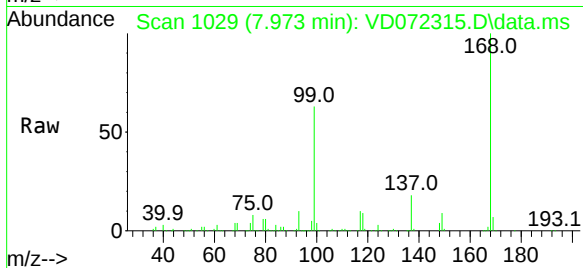
Tgt Ion: 75 Resp: 37934

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 1.2 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072315.D

Acq: 19 Mar 2022 04:07

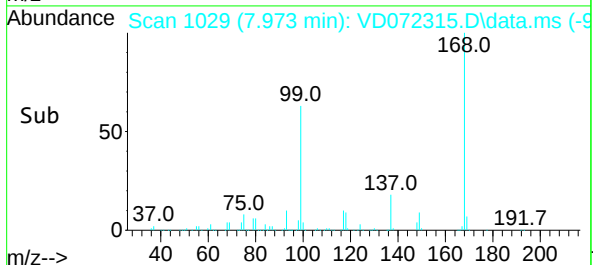
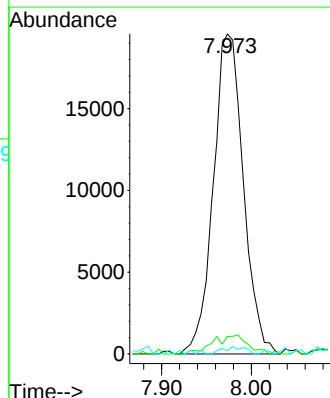
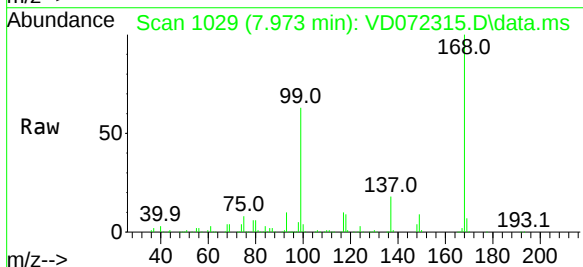
Tgt Ion: 117 Resp: 45462

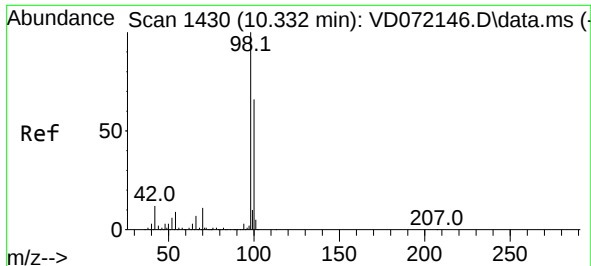
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

121 0.2 24.5 36.7#

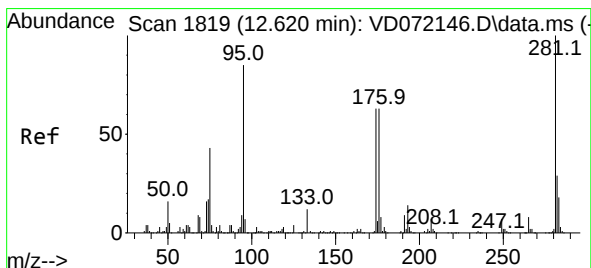
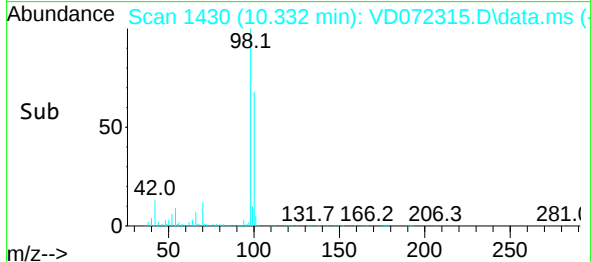
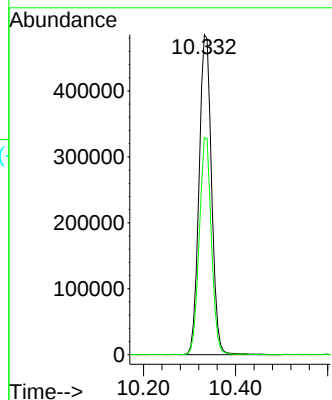
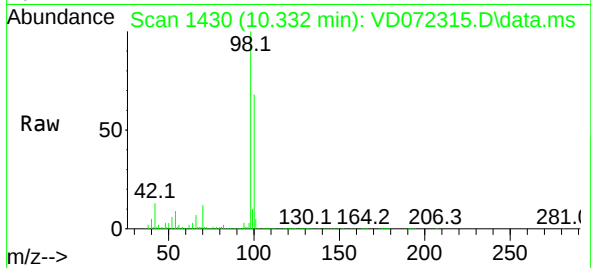




#50
Toluene-d8
Concen: 47.747 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

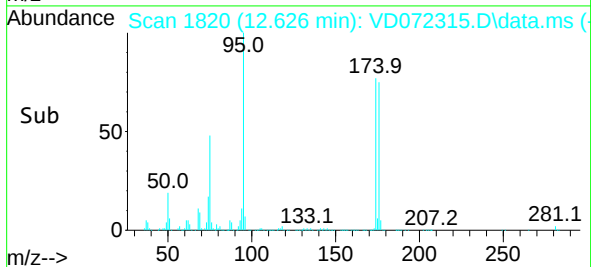
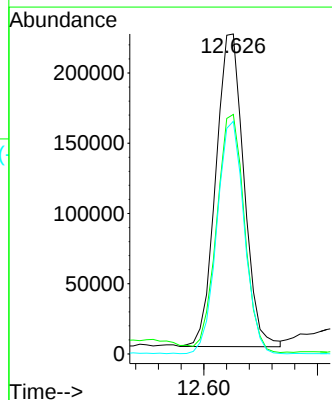
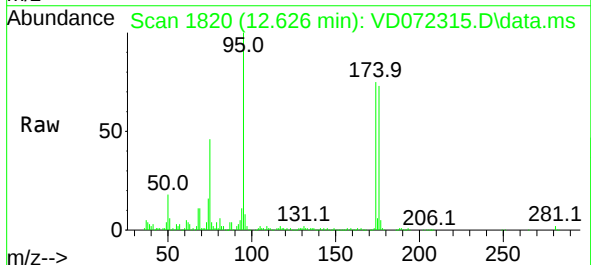
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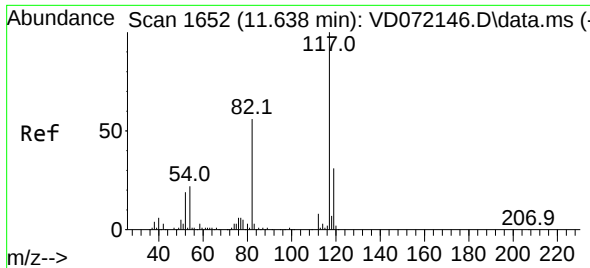
Tgt Ion: 98 Resp: 914056
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.407 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion: 95 Resp: 382378
Ion Ratio Lower Upper
95 100
174 75.0 0.0 152.8
176 72.3 0.0 145.4

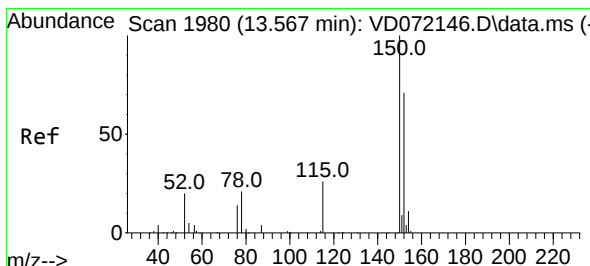
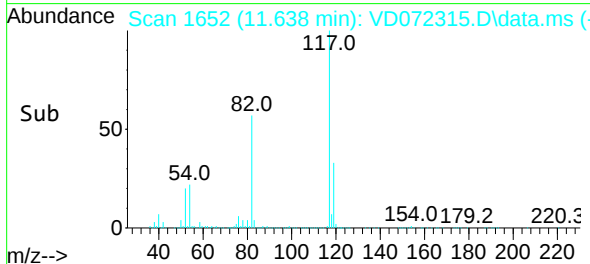
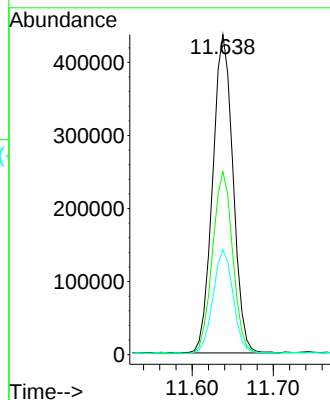
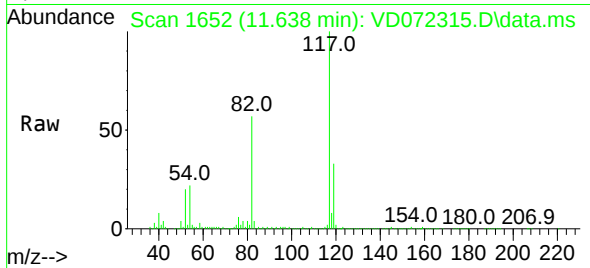




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

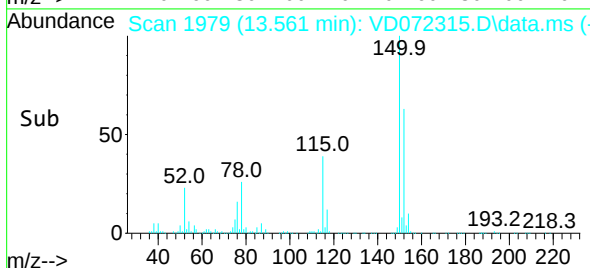
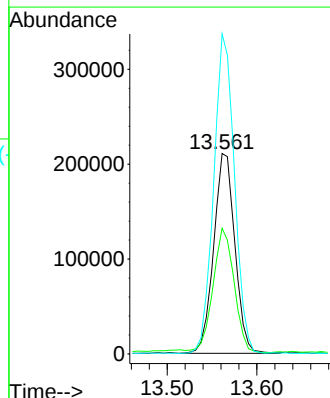
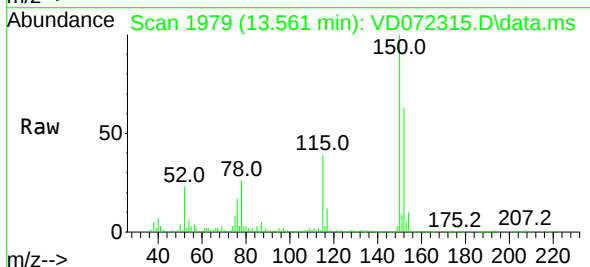
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

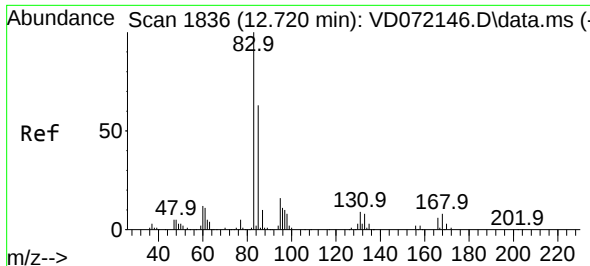
Tgt Ion:117 Resp: 759612
Ion Ratio Lower Upper
117 100
82 57.2 45.3 67.9
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion:152 Resp: 345912
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 156.1 0.0 348.6

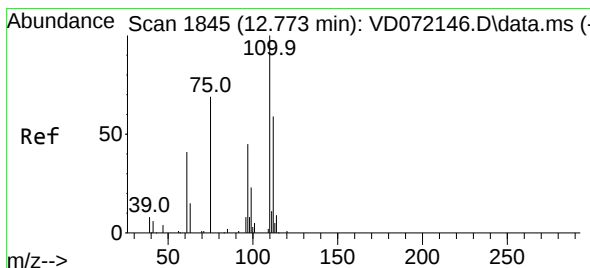
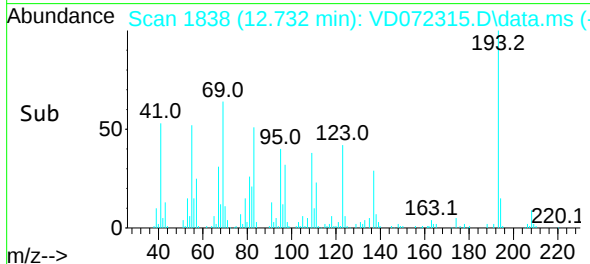
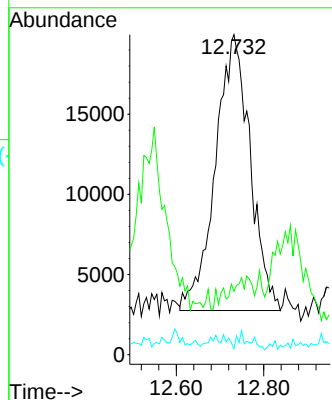
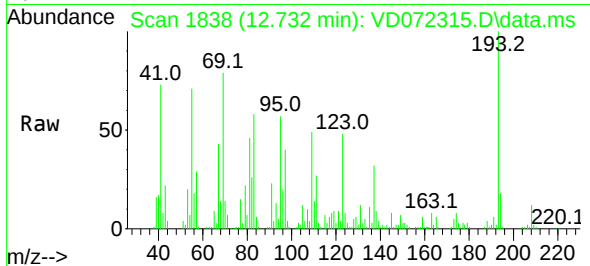




#75
1,1,2,2-Tetrachloroethane
Concen: 19.380 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. 0.012 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

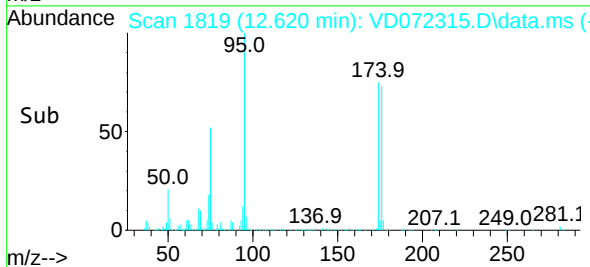
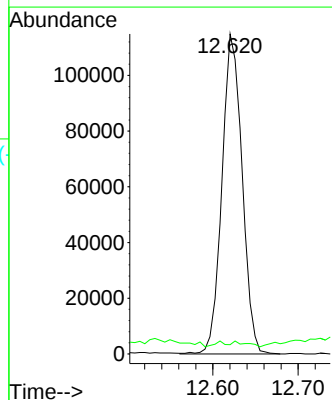
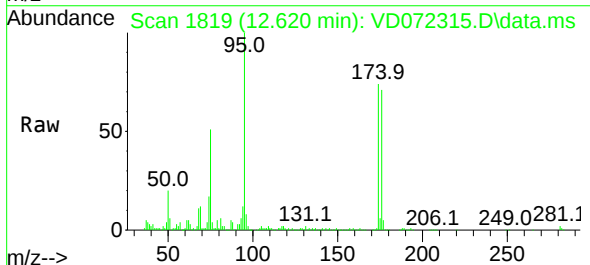
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

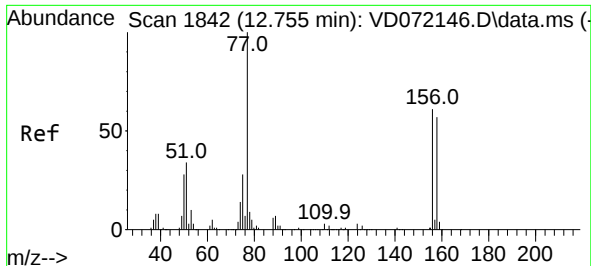
Tgt Ion: 83 Resp: 95010
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 1.2 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 49.526 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Tgt Ion: 75 Resp: 188979
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

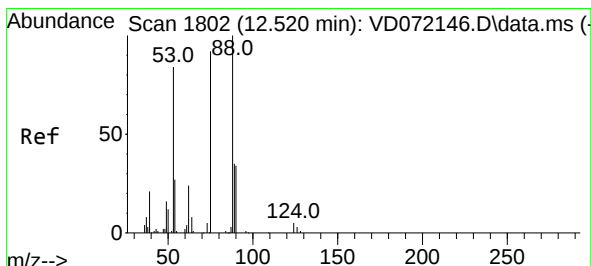
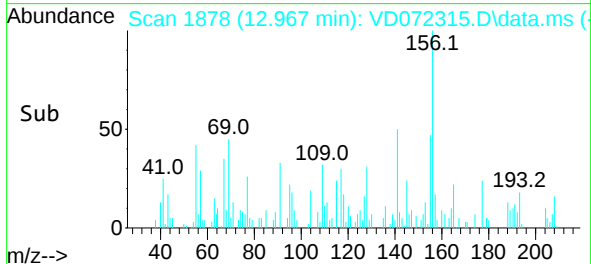
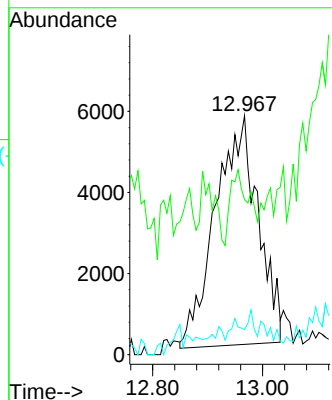
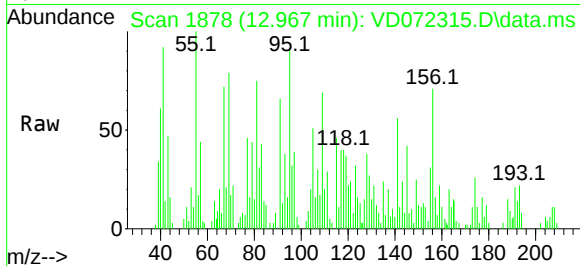




#77
Bromobenzene
Concen: 4.922 ug/l
RT: 12.967 min Scan# 1819
Delta R.T. 0.212 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

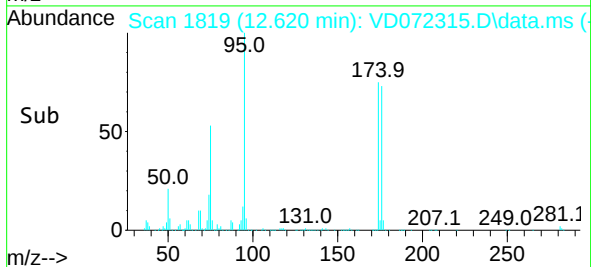
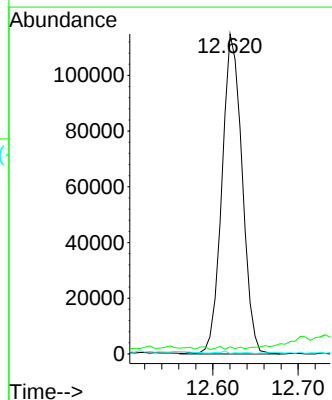
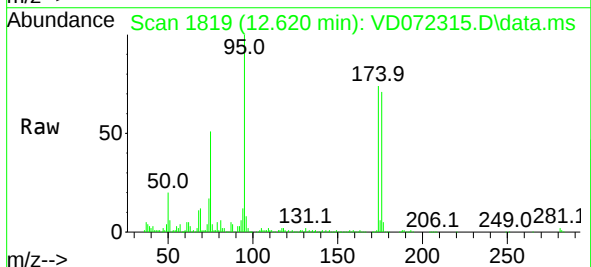
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449

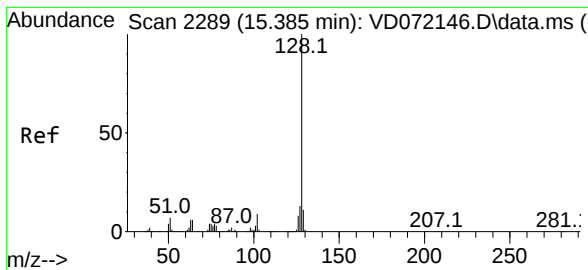
Tgt Ion:156 Resp: 30365
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 1.8 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.880 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

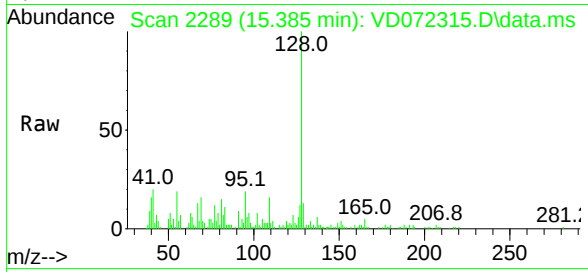
Tgt Ion: 75 Resp: 188979
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.2 33.9 50.9#





#95
Naphthalene
Concen: 5.197 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072315.D
Acq: 19 Mar 2022 04:07

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24449



Tgt Ion:	128	Resp:	66865
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.3	15.5
129	11.3	8.4	12.6

