

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070684.D
 Acq On : 12 Oct 2021 17:29
 Operator : VA/SY
 Sample : M4127-05
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-20426

Quant Time: Oct 13 06:38:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

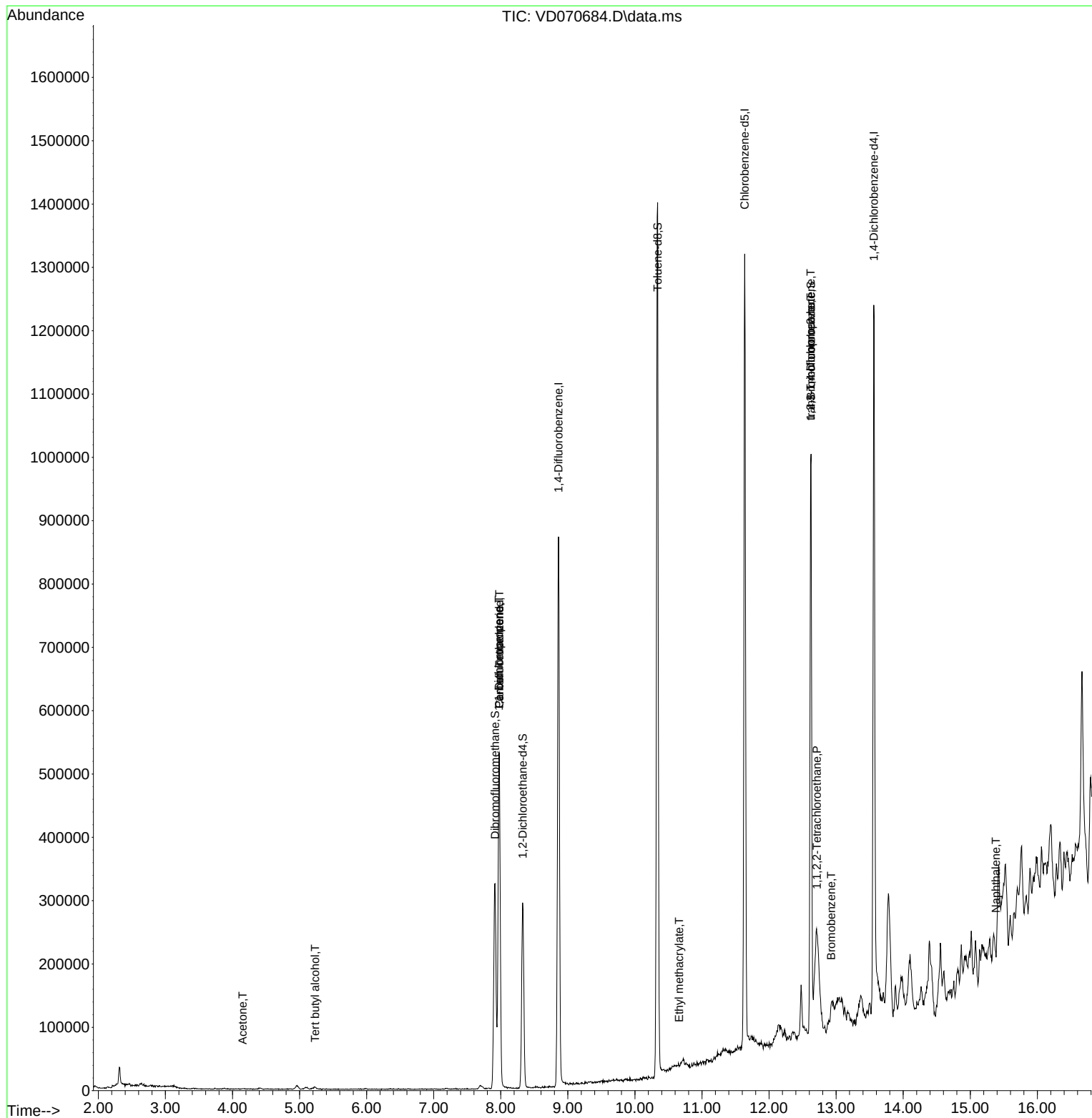
Internal Standards						
1) Pentafluorobenzene	7.979	168	378778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	760636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	754865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236682	53.095	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.200%			
35) Dibromofluoromethane	7.914	113	244396	48.327	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.660%			
50) Toluene-d8	10.338	98	990728	51.246	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.626	95	351287	54.366	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.740%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	1548	Below Cal		87
11) Tert butyl alcohol	5.232	59	5492	24.870 ug/l #		86
16) Acetone	4.150	43	1108	1.464 ug/l #		40
20) Methylene Chloride	4.956	84	4804	Below Cal #		68
36) 1,1-Dichloropropene	7.973	75	30688	3.799 ug/l #		51
38) Carbon Tetrachloride	7.979	117	41266	4.881 ug/l #		16
56) Ethyl methacrylate	10.661	69	429	1.456 ug/l #		1
59) 2-Hexanone	10.967	43	867	Below Cal #		33
75) 1,1,2,2-Tetrachloroethane	12.714	83	48799	11.575 ug/l #		27
76) 1,2,3-Trichloropropane	12.620	75	165282	61.739 ug/l #		100
77) Bromobenzene	12.926	156	22871	4.744 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.620	75	165282	137.072 ug/l #		17
95) Naphthalene	15.384	128	1126	2.604 ug/l #		32

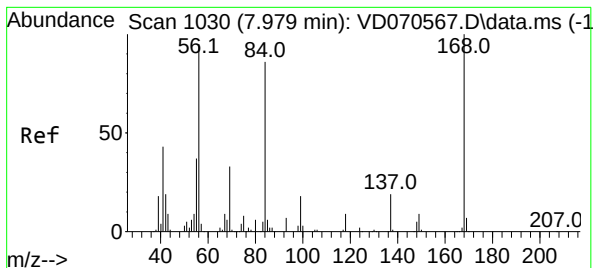
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070684.D

Acq: 12 Oct 2021 17:29

Instrument :

MSVOA_D

ClientSampleId :

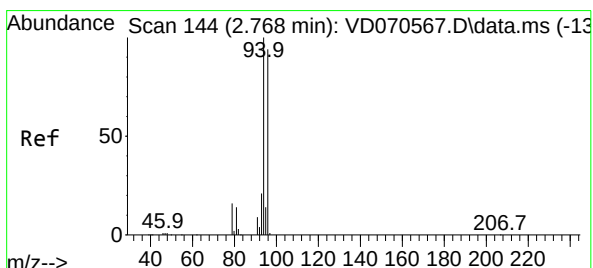
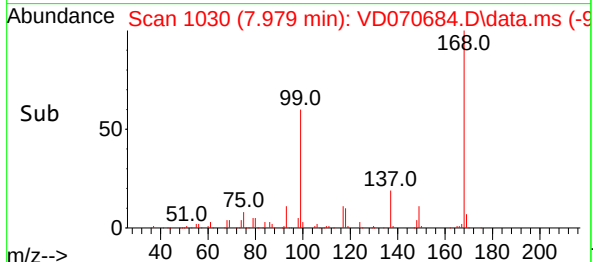
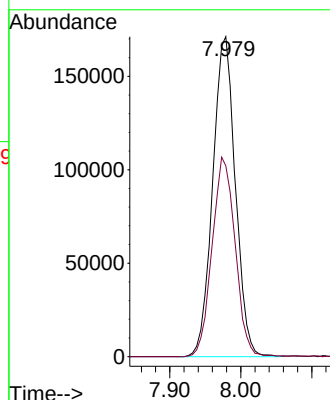
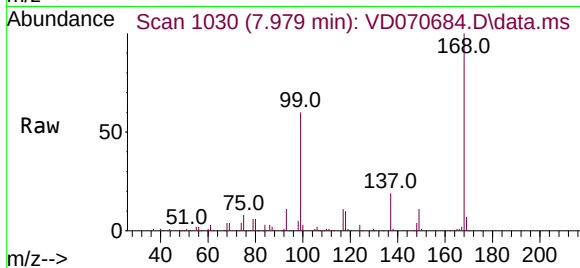
CHRT-20426

Tgt Ion:168 Resp: 378778

Ion Ratio Lower Upper

168 100

99 59.7 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070684.D

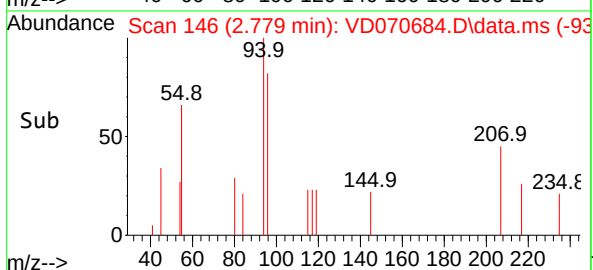
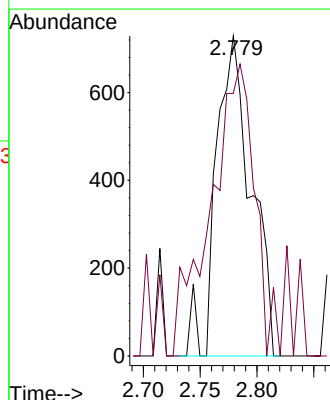
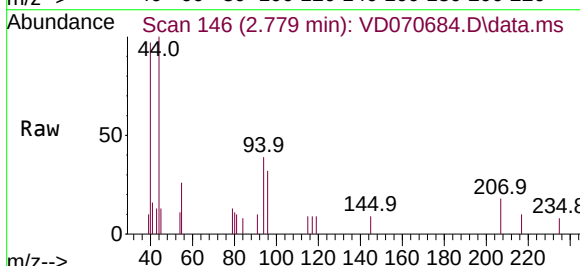
Acq: 12 Oct 2021 17:29

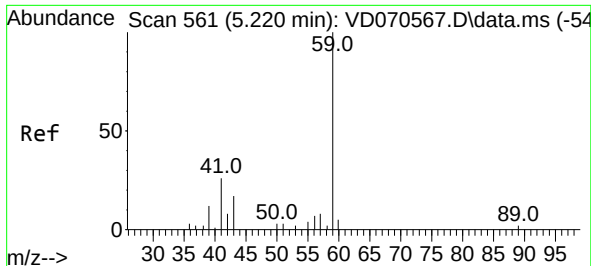
Tgt Ion: 94 Resp: 1548

Ion Ratio Lower Upper

94 100

96 82.0 75.5 113.3

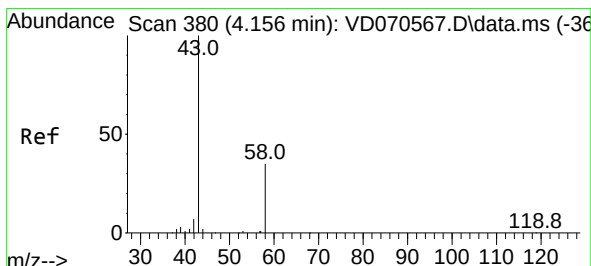
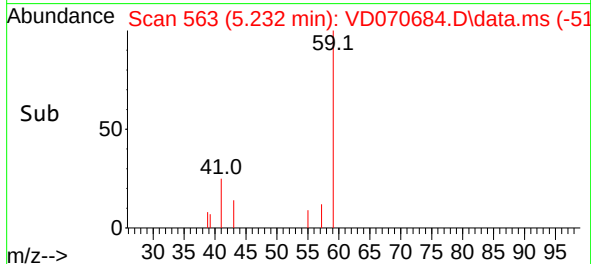
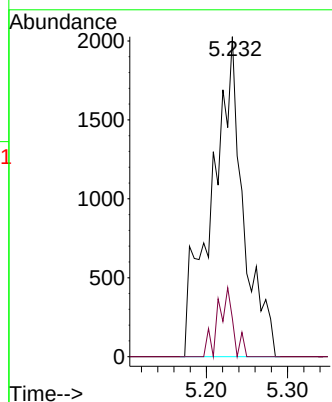
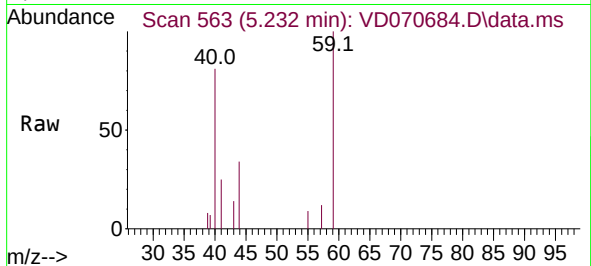




#11
Tert butyl alcohol
Concen: 24.870 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

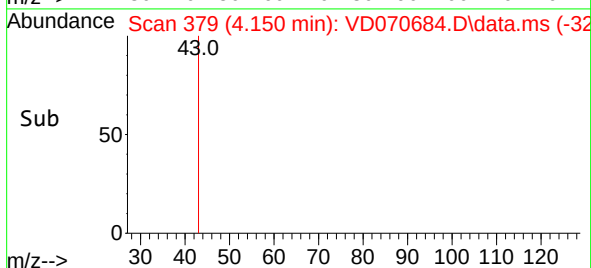
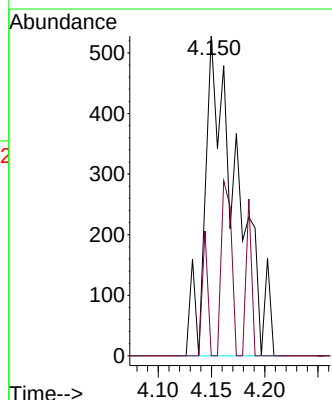
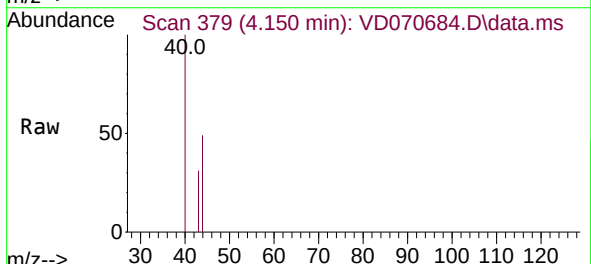
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CHRT-20426

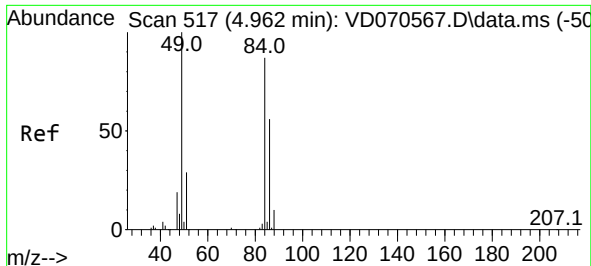
Tgt Ion: 59 Resp: 5492
Ion Ratio Lower Upper
59 100
57 10.3 4.5 6.7#



#16
Acetone
Concen: 1.464 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

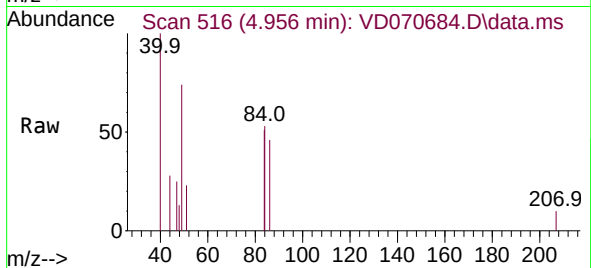
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



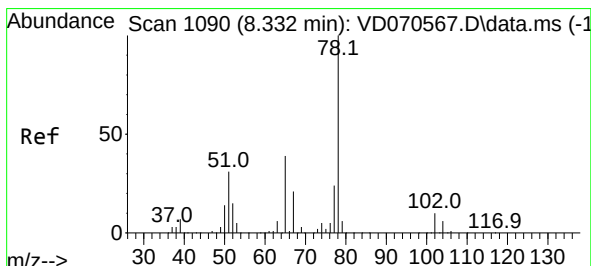
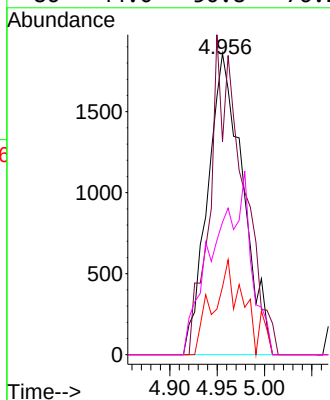
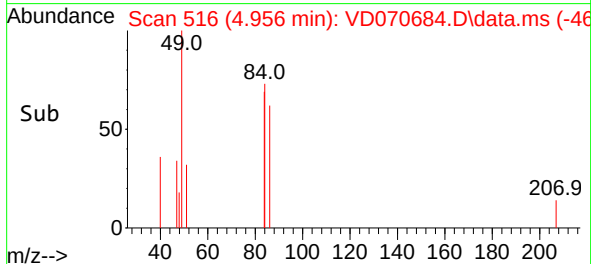


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

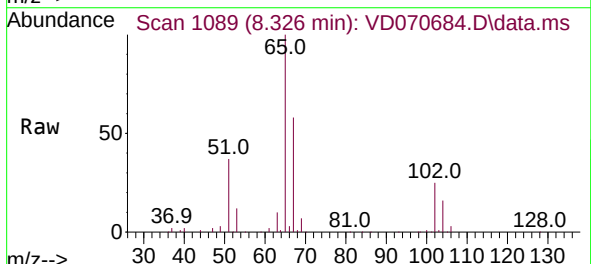
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426



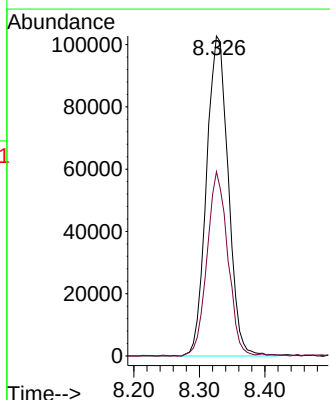
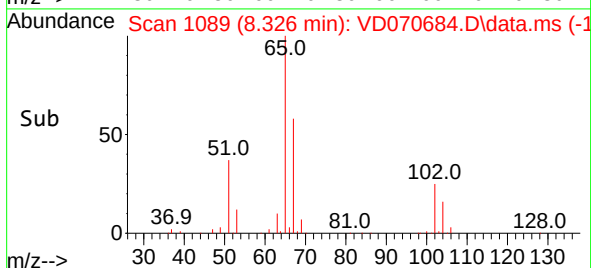
Tgt Ion:	84	Resp:	4804
Ion	Ratio	Lower	Upper
84	100		
49	70.7	91.4	137.2#
51	22.5	26.7	40.1#
86	44.0	50.8	76.2#

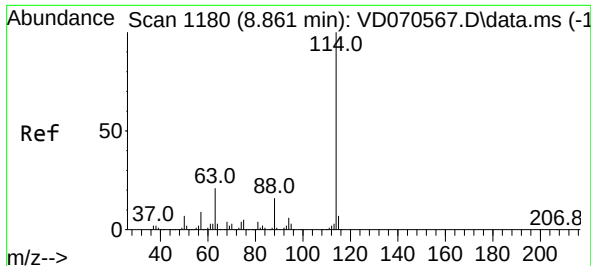


#33
1,2-Dichloroethane-d4
Concen: 53.095 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29



Tgt Ion:	65	Resp:	236682
Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070684.D

Acq: 12 Oct 2021 17:29

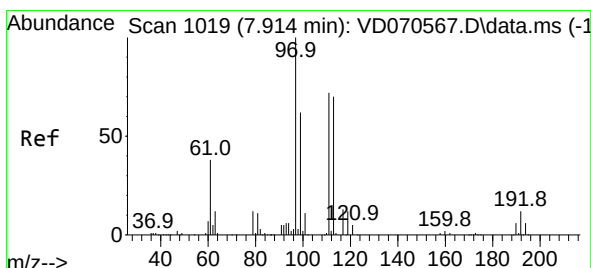
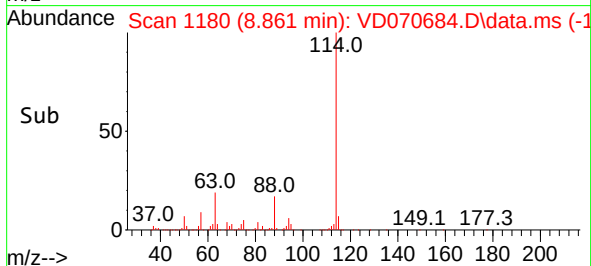
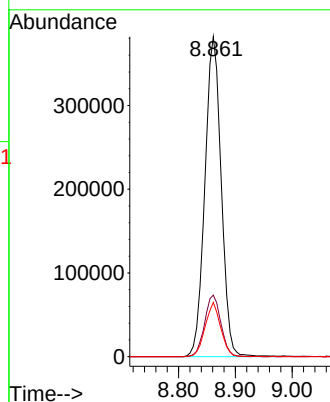
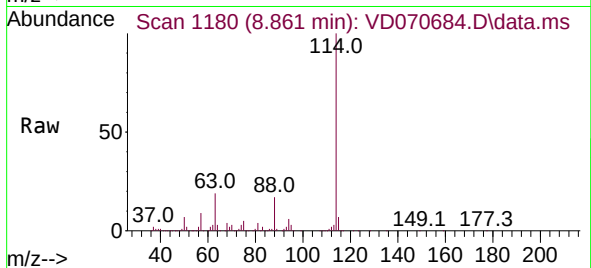
Instrument :

MSVOA_D

ClientSampleId :

CHRT-20426

Tgt Ion:114	Resp: 760636
Ion Ratio	Lower Upper
114 100	
63 19.2	0.0 41.8
88 16.9	0.0 32.6



#35

Dibromofluoromethane

Concen: 48.327 ug/l

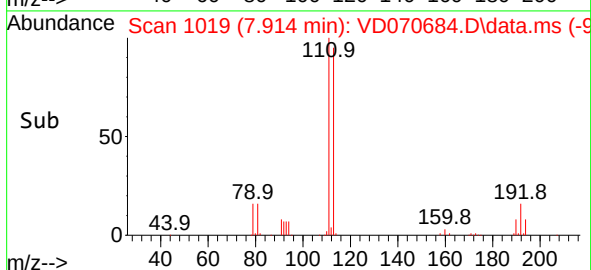
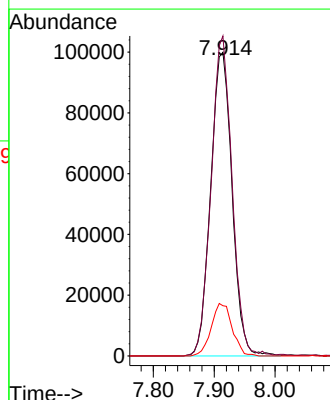
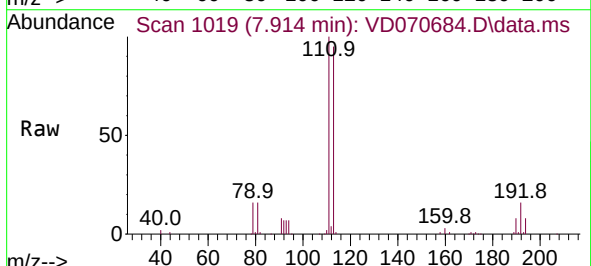
RT: 7.914 min Scan# 1019

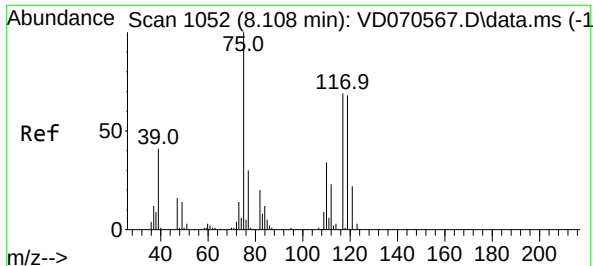
Delta R.T. -0.000 min

Lab File: VD070684.D

Acq: 12 Oct 2021 17:29

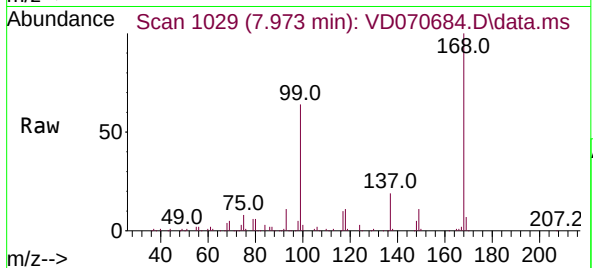
Tgt Ion:113	Resp: 244396
Ion Ratio	Lower Upper
113 100	
111 102.9	83.1 124.7
192 16.9	12.7 19.1



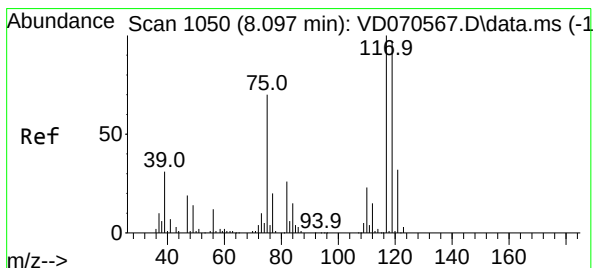
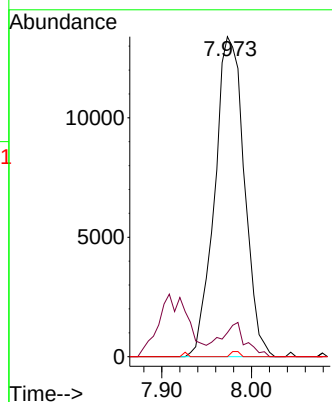
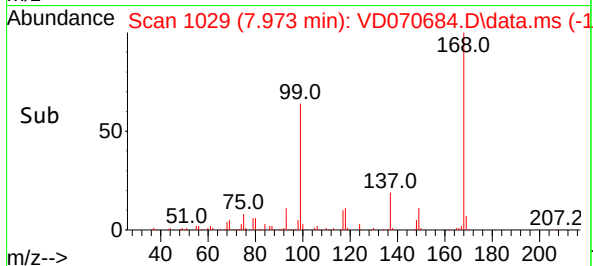


#36
1,1-Dichloropropene
Concen: 3.799 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

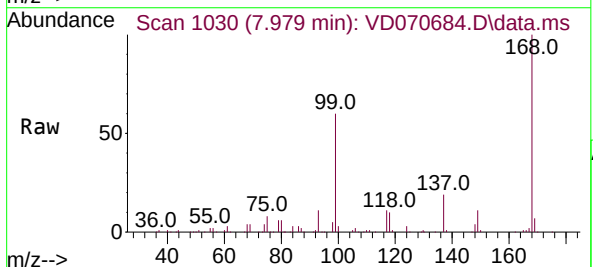
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426



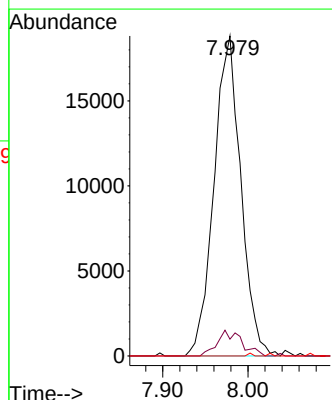
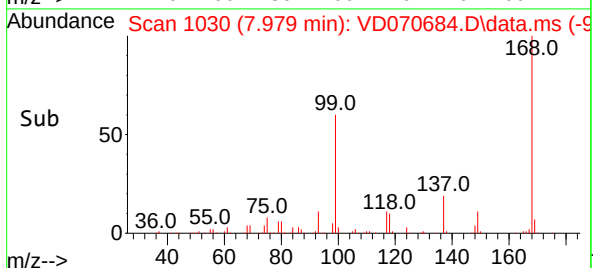
Tgt Ion: 75 Resp: 30688
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.5 24.2 36.4#

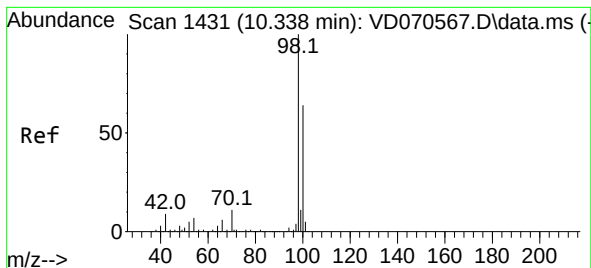


#38
Carbon Tetrachloride
Concen: 4.881 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29



Tgt Ion: 117 Resp: 41266
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.0#
121 0.0 25.4 38.0#

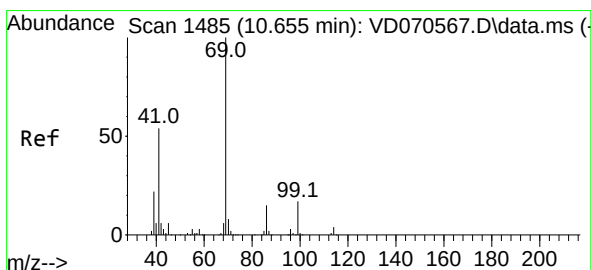
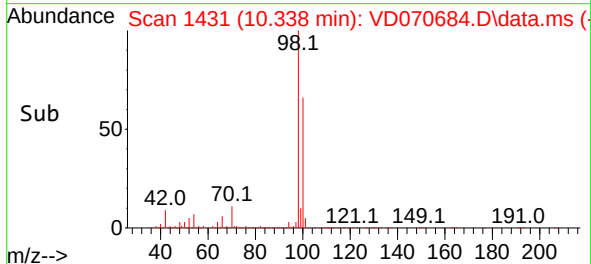
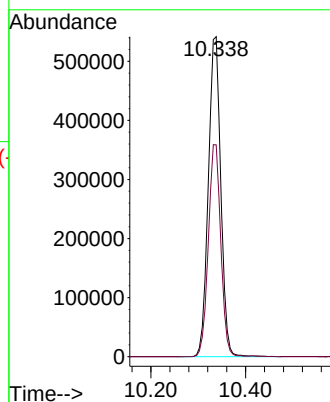
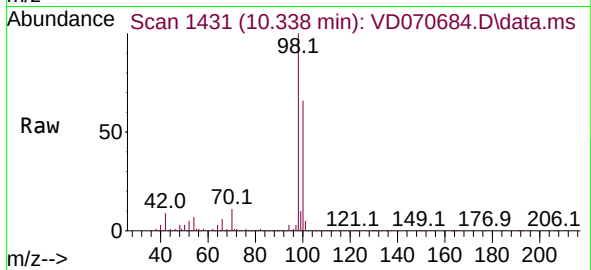




#50
Toluene-d8
Concen: 51.246 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

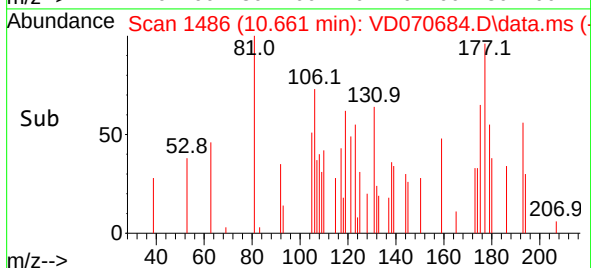
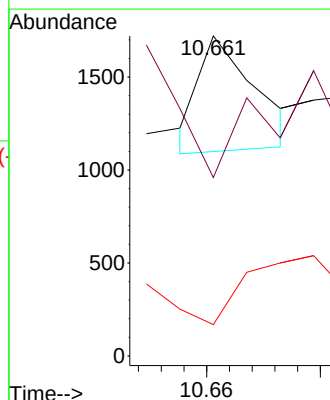
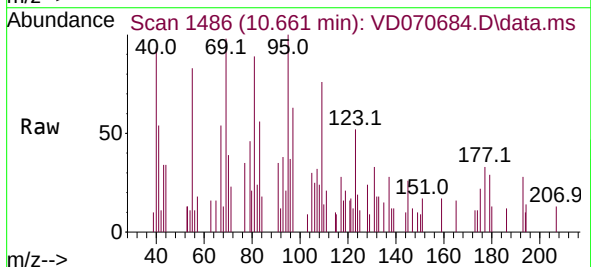
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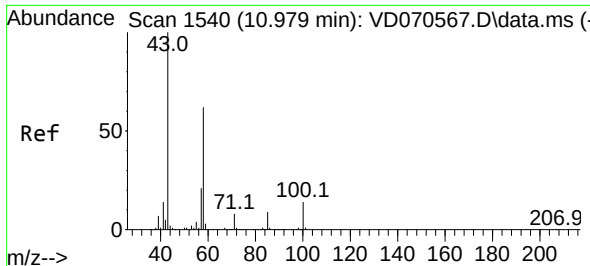
Tgt Ion: 98 Resp: 990728
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.456 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Tgt Ion: 69 Resp: 429
Ion Ratio Lower Upper
69 100
41 144.5 44.7 67.1#
39 0.0 19.5 29.3#

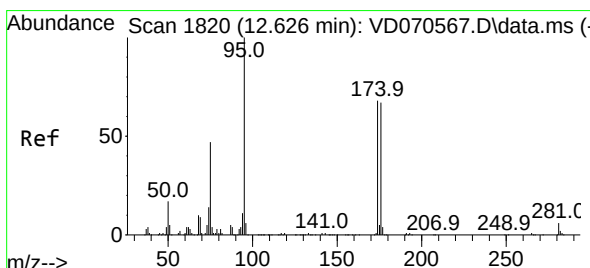
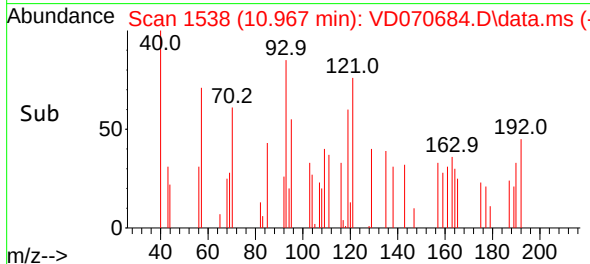
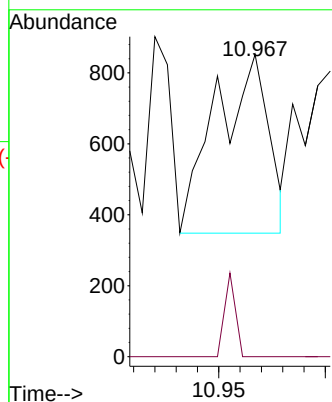
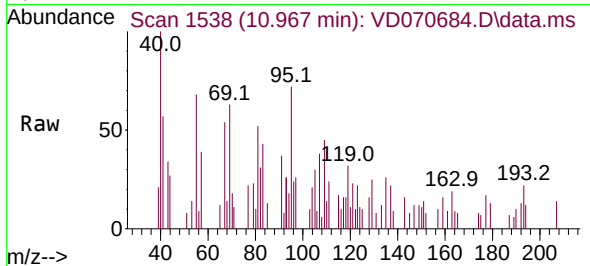




#59
2-Hexanone
Concen: Below Cal
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

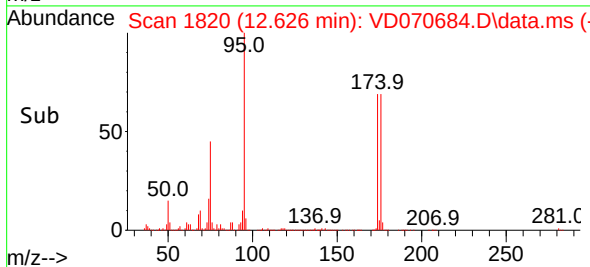
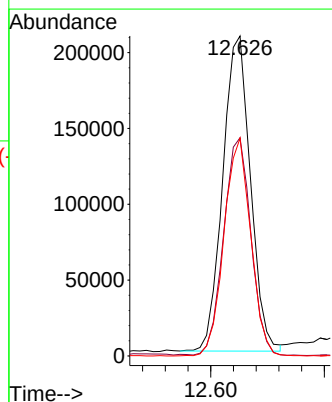
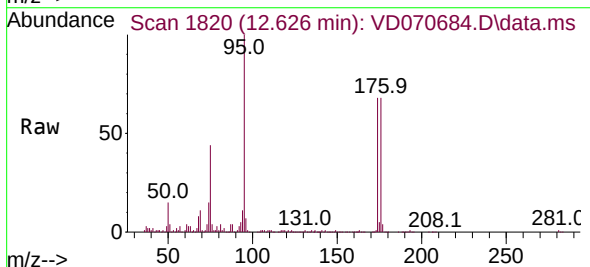
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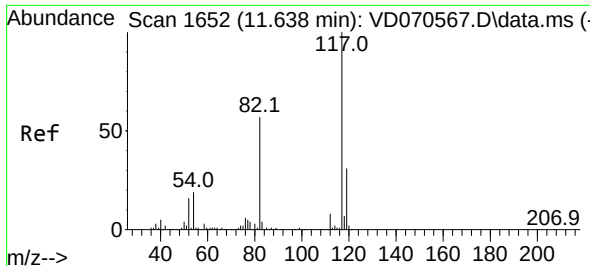
Tgt Ion: 43 Resp: 867
Ion Ratio Lower Upper
43 100
58 9.6 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 54.366 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Tgt Ion: 95 Resp: 351287
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.0
176 66.8 0.0 135.6

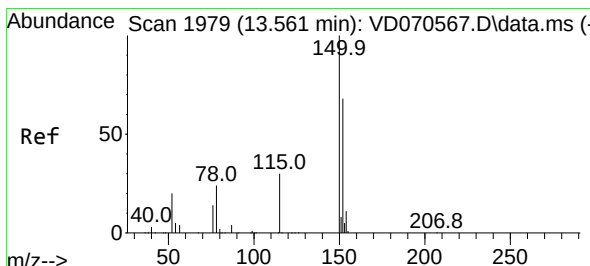
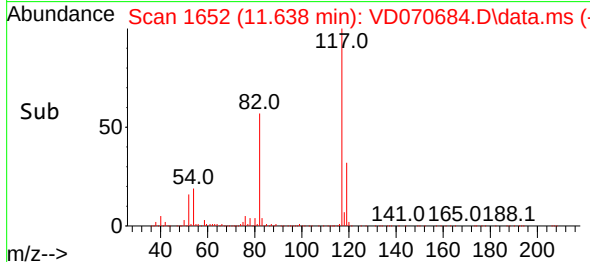
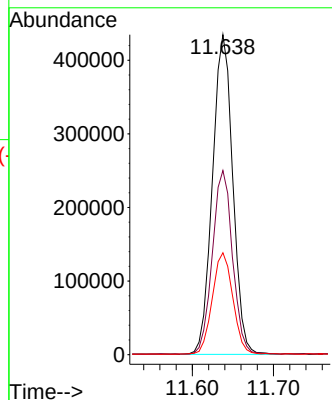
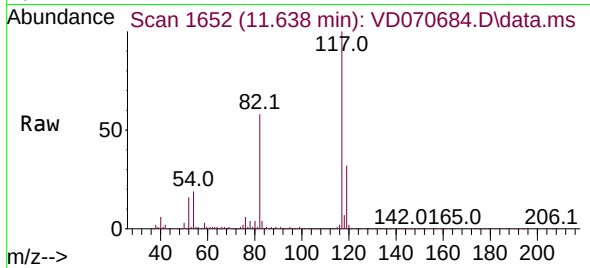




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

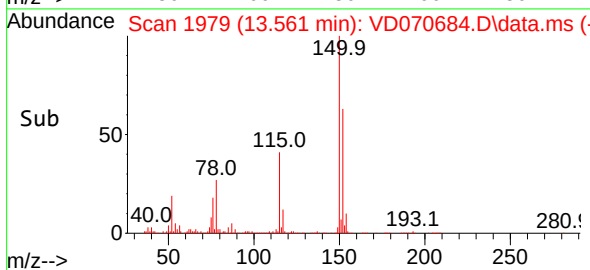
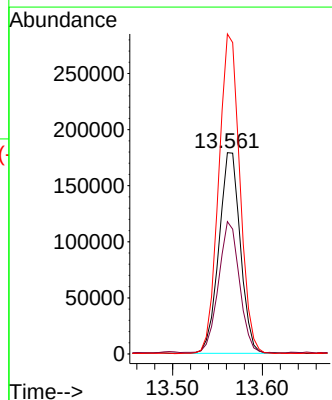
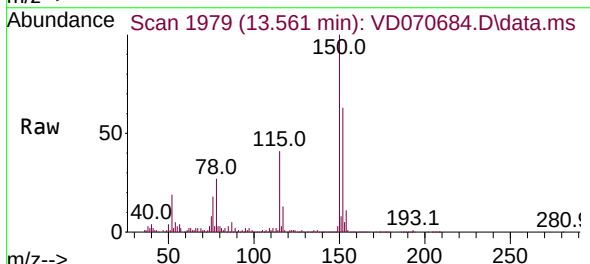
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426

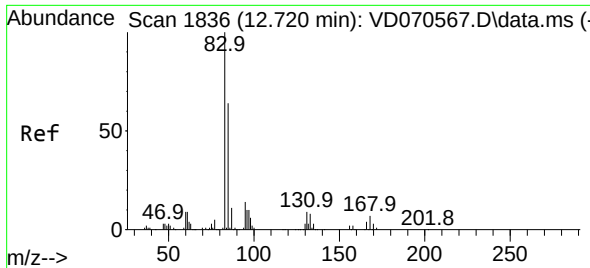
Tgt Ion:117 Resp: 754865
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.2
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Tgt Ion:152 Resp: 295776
Ion Ratio Lower Upper
152 100
115 64.2 31.9 95.7
150 158.2 0.0 350.0

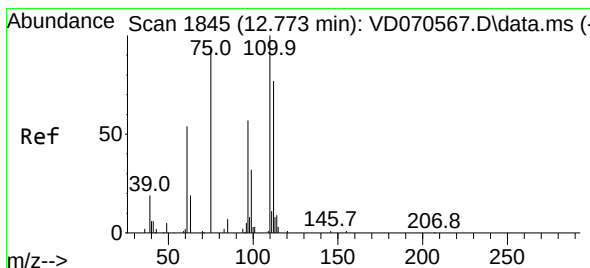
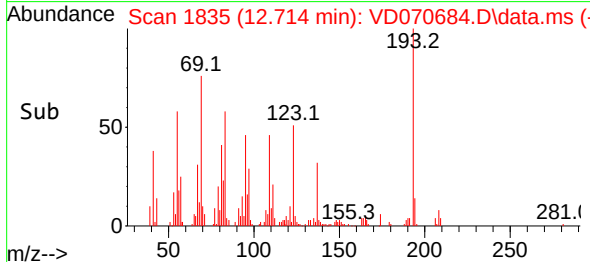
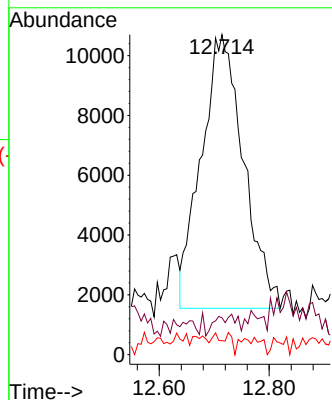
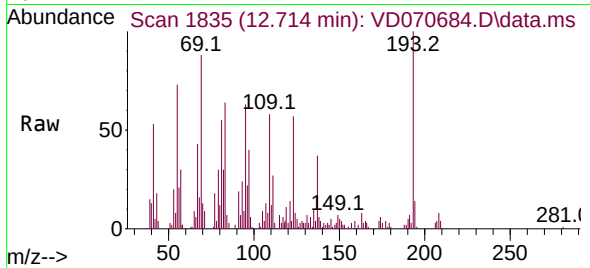




#75
1,1,2,2-Tetrachloroethane
Concen: 11.575 ug/l
RT: 12.714 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

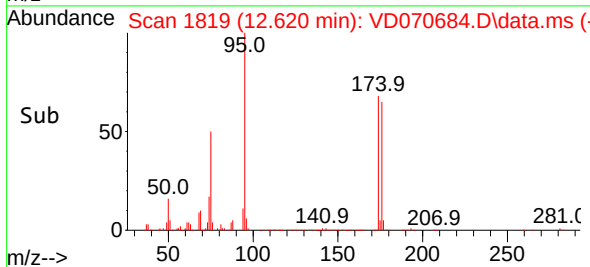
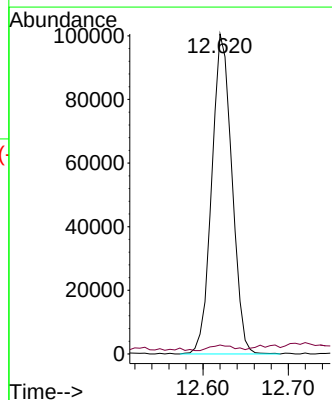
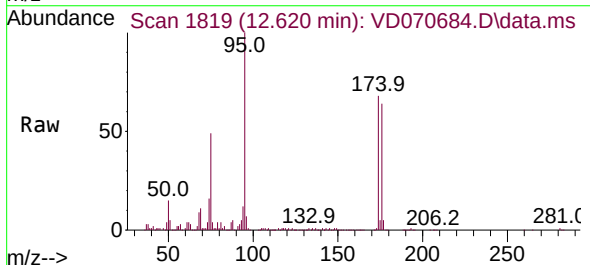
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426

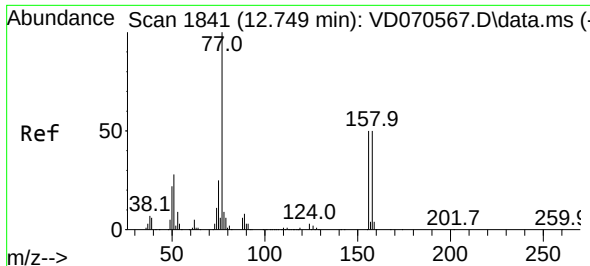
Tgt Ion: 83 Resp: 48799
Ion Ratio Lower Upper
83 100
131 1.3 4.9 14.7#
85 1.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 61.739 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Tgt Ion: 75 Resp: 165282
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

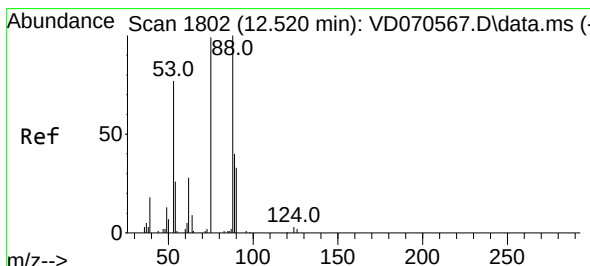
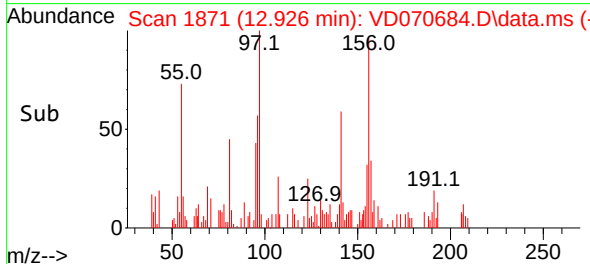
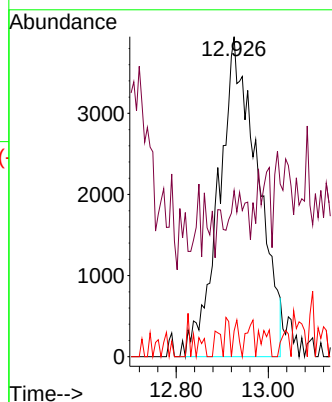
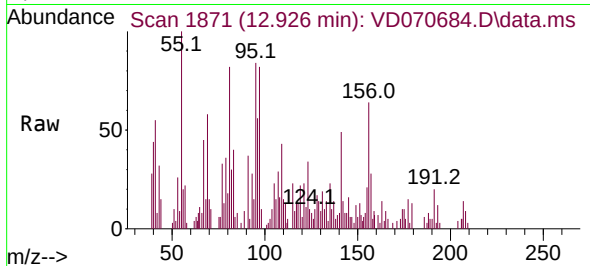




#77
Bromobenzene
Concen: 4.744 ug/l
RT: 12.926 min Scan# 1871
Delta R.T. 0.176 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

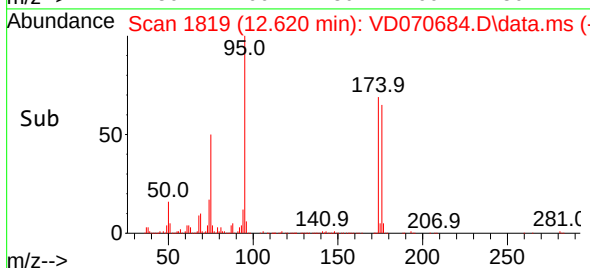
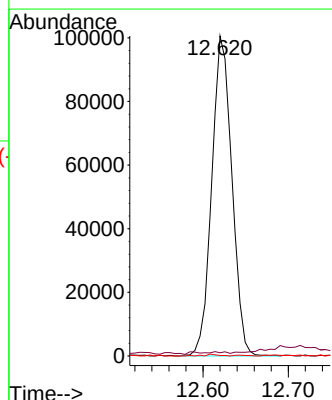
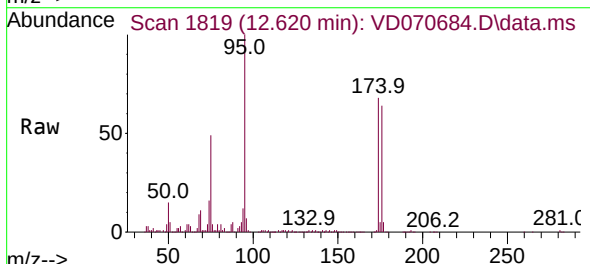
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426

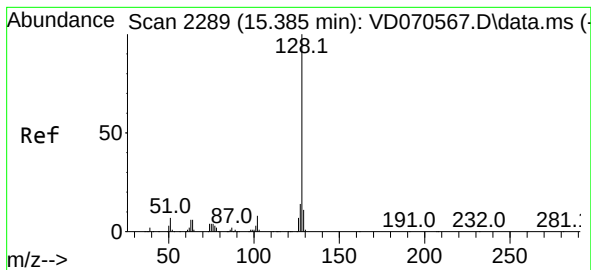
Tgt Ion:156 Resp: 22871
Ion Ratio Lower Upper
156 100
77 1.6 105.7 317.1#
158 1.5 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.072 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Tgt Ion: 75 Resp: 165282
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.3 35.3 52.9#





#95
Naphthalene
Concen: 2.604 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070684.D
Acq: 12 Oct 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :
CHRT-20426

Tgt Ion:128 Resp: 1126
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 52.4 8.6 12.8#

