

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076843.D
 Acq On : 27 Jul 2023 19:33
 Operator : KP/SY
 Sample : 03788-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-20430

Quant Time: Jul 28 04:17:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

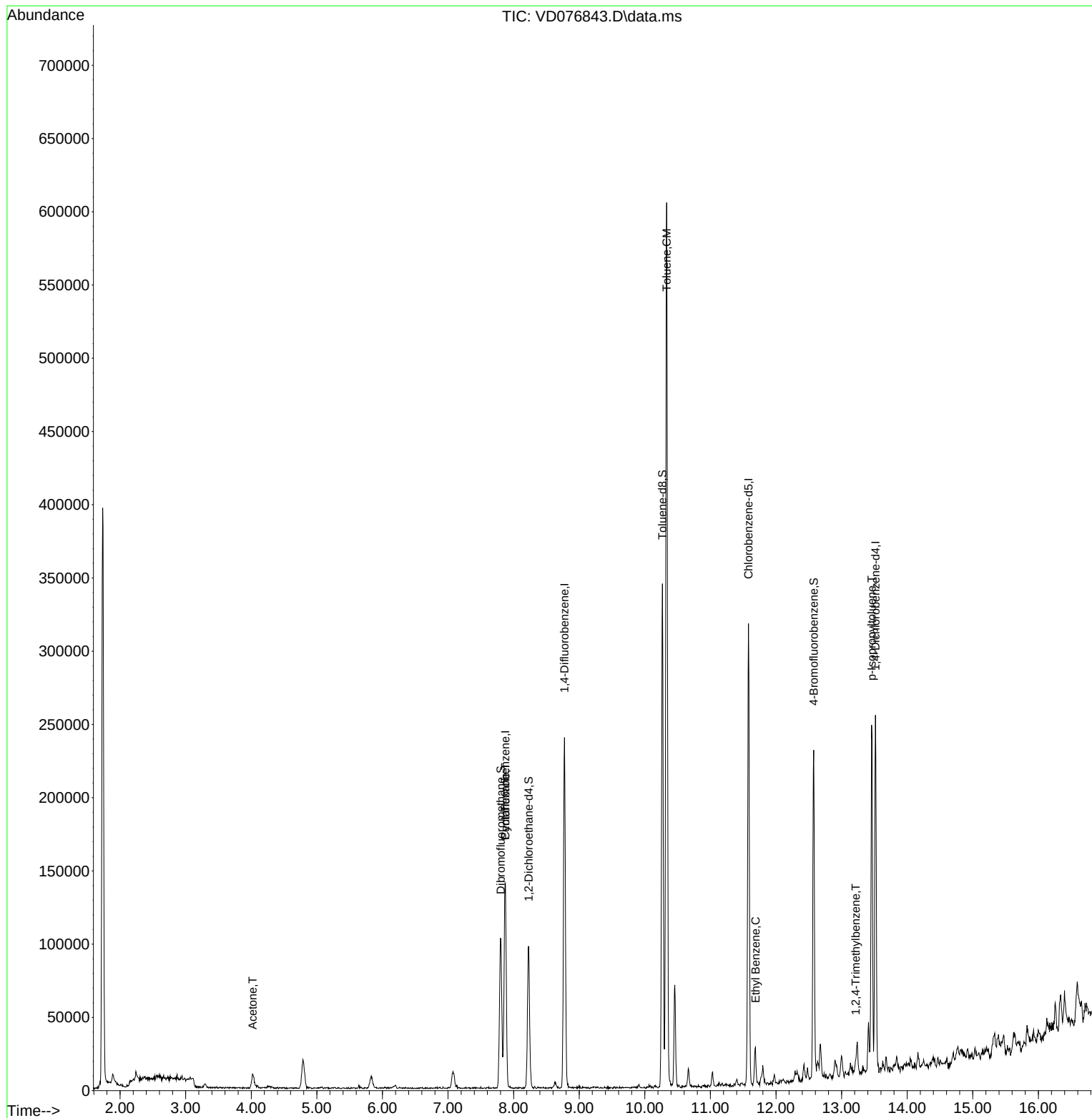
Internal Standards						
1) Pentafluorobenzene	7.875	168	108007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	216081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	185907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75169	69.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.740%	
35) Dibromofluoromethane	7.805	113	79153	58.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.580%	
50) Toluene-d8	10.269	98	236377	48.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.575	95	66620	42.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.780%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	16239	63.206	ug/l	96
31) Cyclohexane	7.875	56	3007	1.899	ug/l #	74
52) Toluene	10.334	92	276653	75.238	ug/l	96
67) Ethyl Benzene	11.687	91	17948	2.733	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	5726	1.485	ug/l	74
86) p-Isopropyltoluene	13.457	119	140276	33.452	ug/l	96

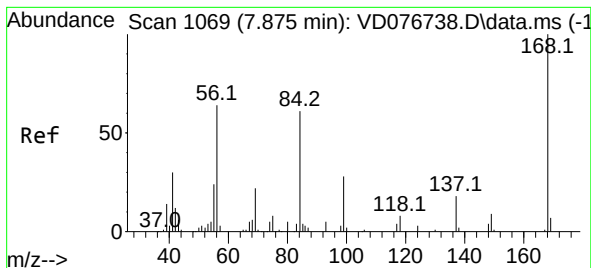
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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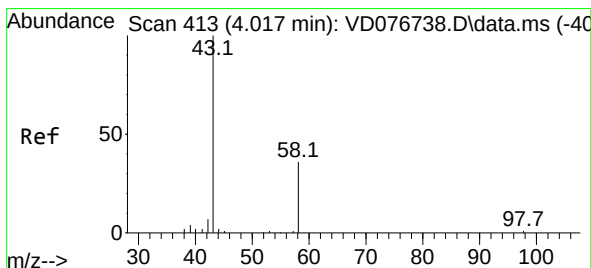
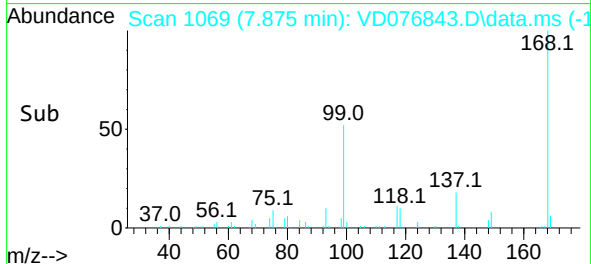
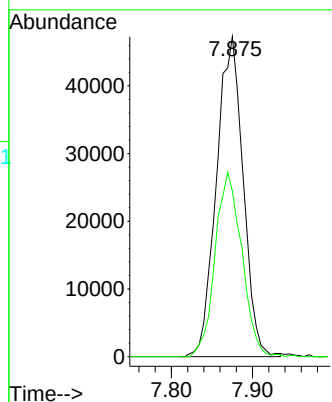
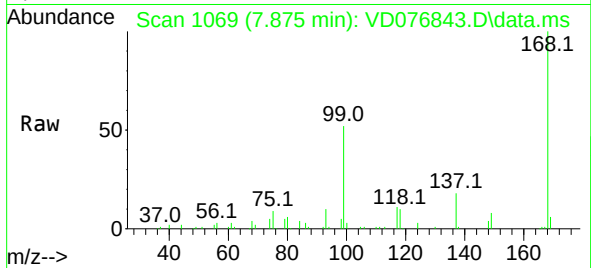




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

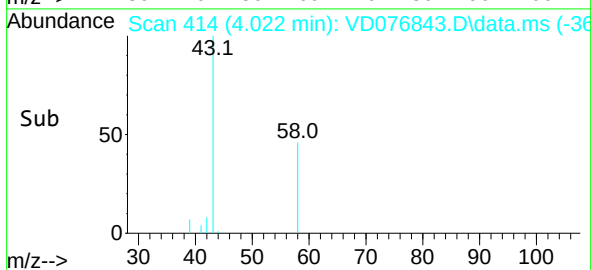
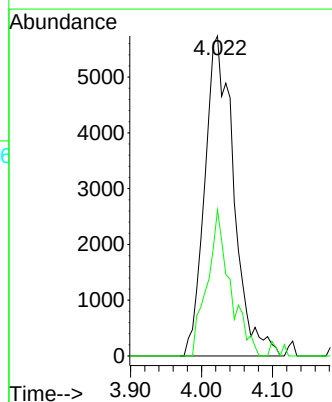
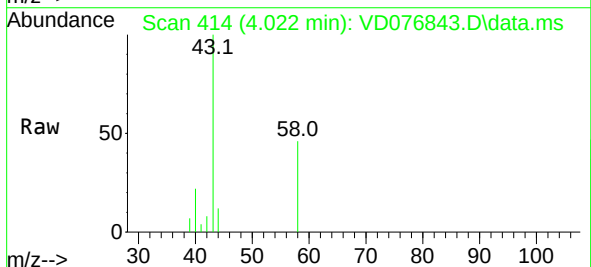
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20430

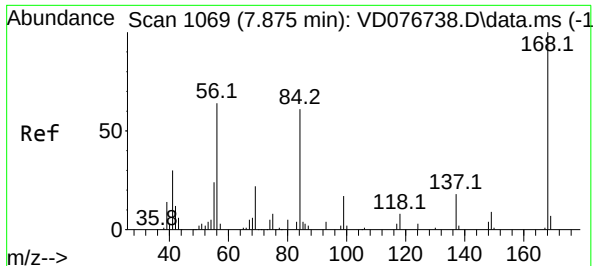
Tgt Ion:168 Resp: 108007
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#16
Acetone
Concen: 63.206 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

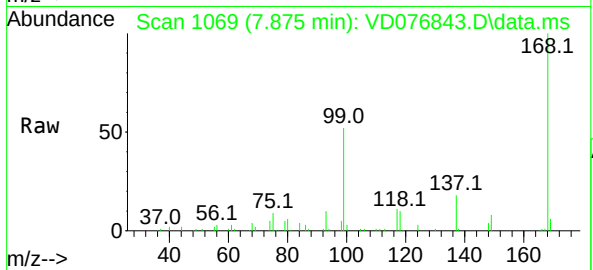
Tgt Ion: 43 Resp: 16239
Ion Ratio Lower Upper
43 100
58 45.7 34.7 52.1



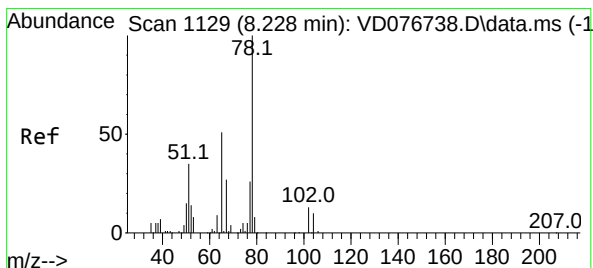
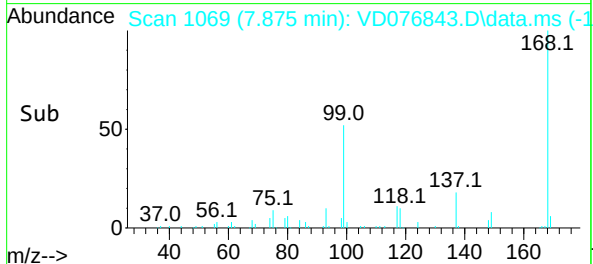
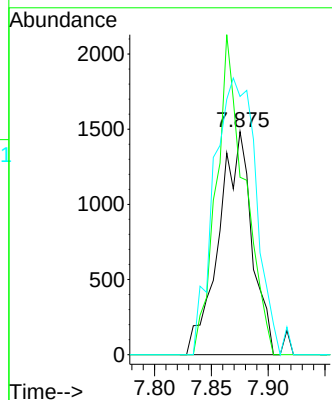


#31
Cyclohexane
Concen: 1.899 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Instrument :
MSVOA_D
ClientSampleId :
CHRT-20430

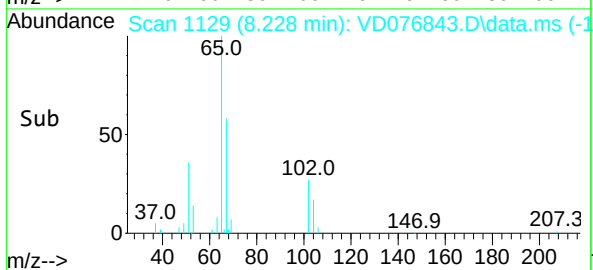
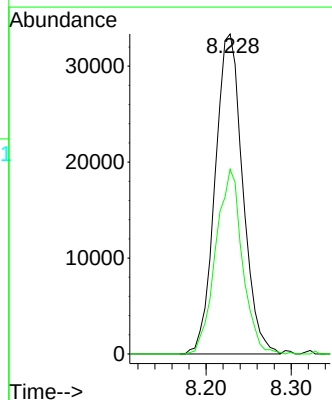
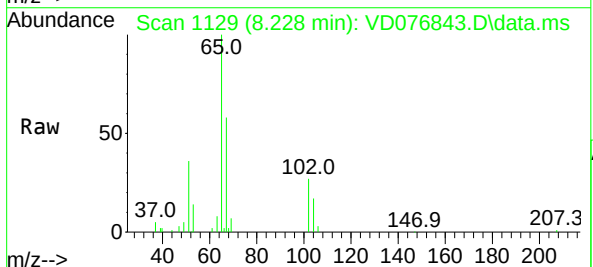


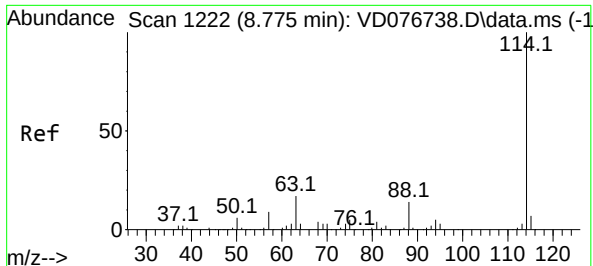
Tgt Ion: 56 Resp: 3007
Ion Ratio Lower Upper
56 100
69 79.6 28.6 43.0#
84 115.8 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 69.874 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 65 Resp: 75169
Ion Ratio Lower Upper
65 100
67 55.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

ClientSampleId :

CHRT-20430

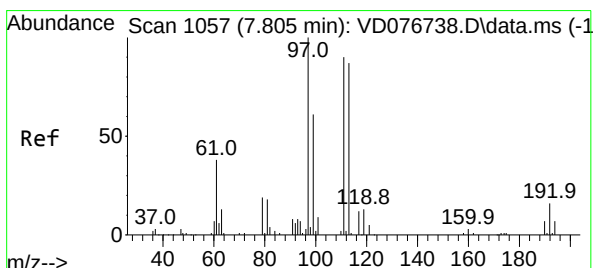
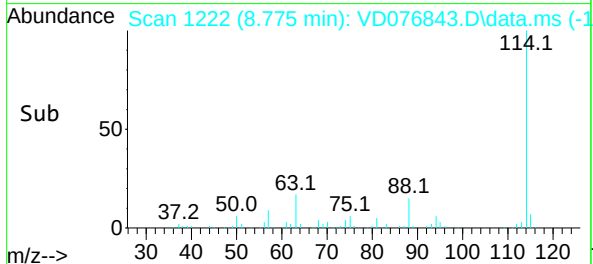
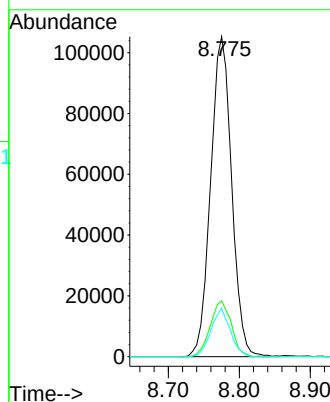
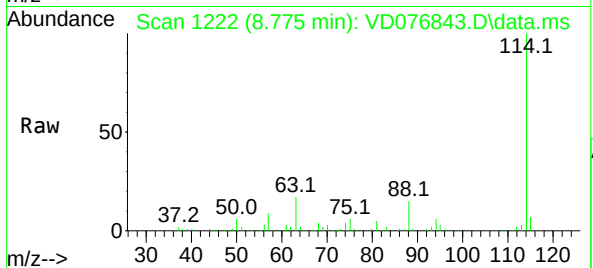
Tgt Ion:114 Resp: 216081

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 15.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 58.292 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

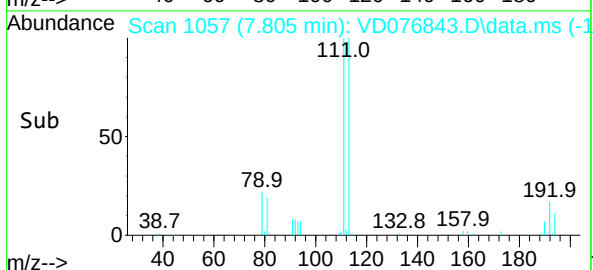
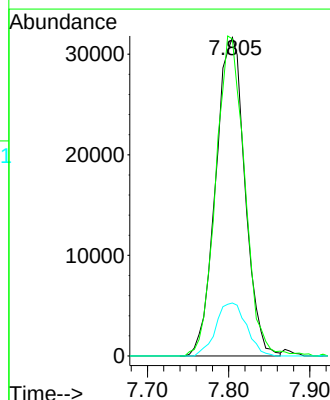
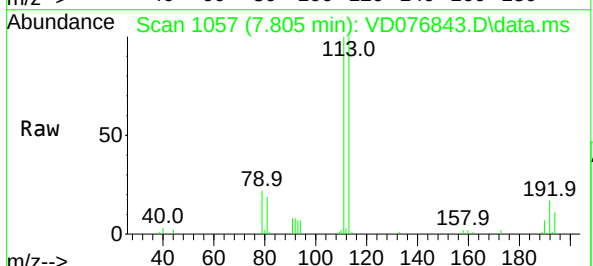
Tgt Ion:113 Resp: 79153

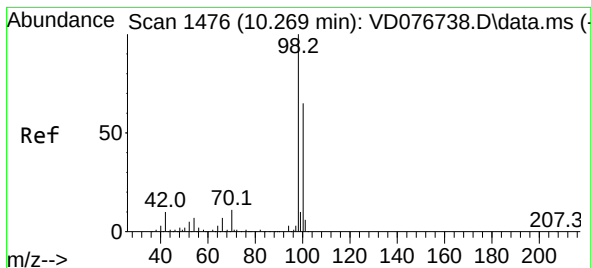
Ion Ratio Lower Upper

113 100

111 99.5 84.7 127.1

192 17.4 16.8 25.2





#50

Toluene-d8

Concen: 48.661 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

ClientSampleId :

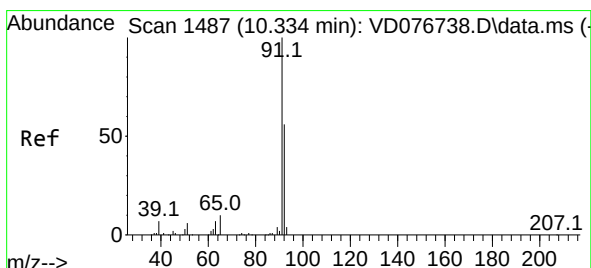
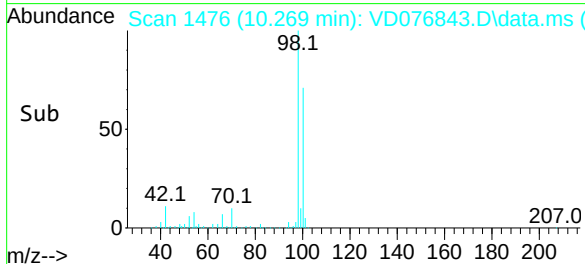
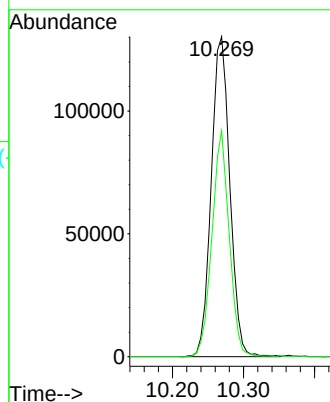
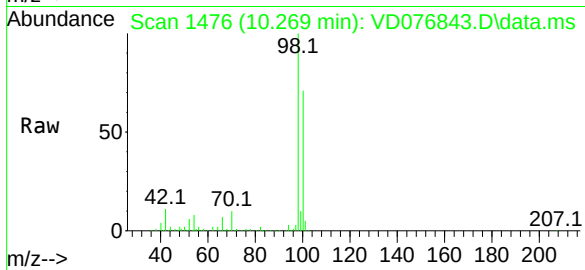
CHRT-20430

Tgt Ion: 98 Resp: 236377

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5



#52

Toluene

Concen: 75.238 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076843.D

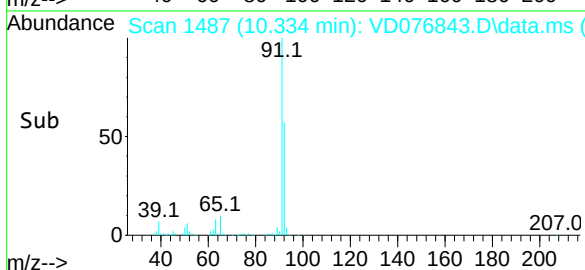
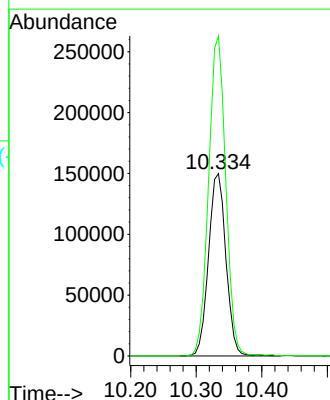
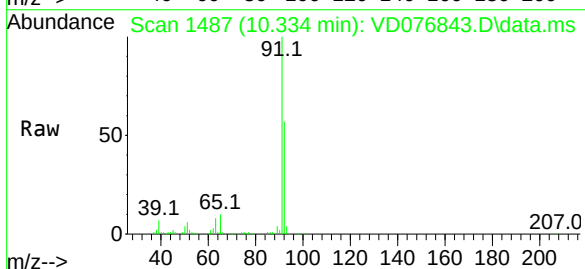
Acq: 27 Jul 2023 19:33

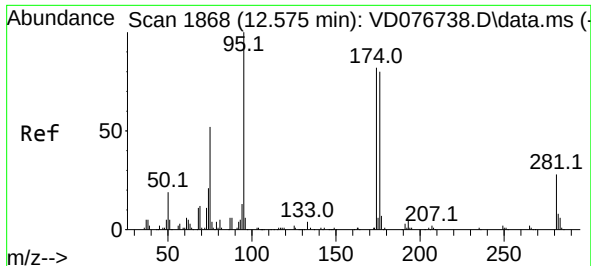
Tgt Ion: 92 Resp: 276653

Ion Ratio Lower Upper

92 100

91 173.4 143.0 214.4

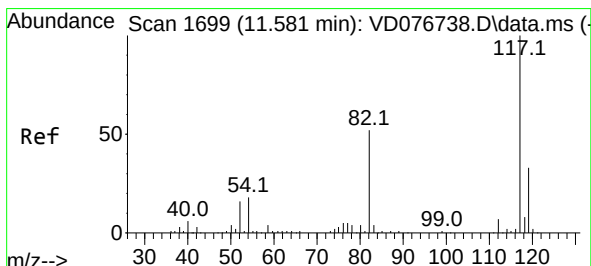
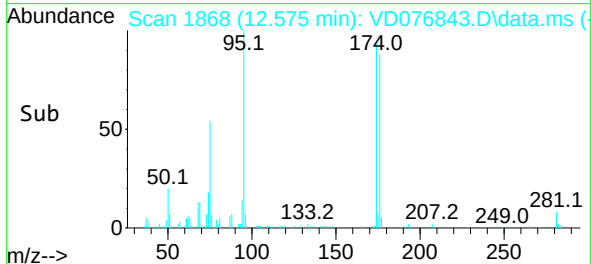
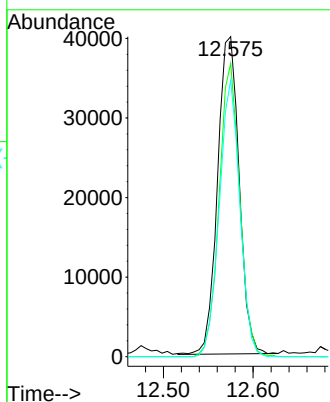
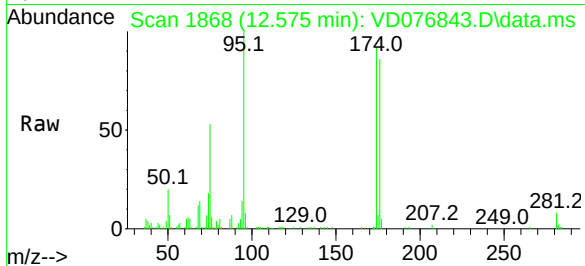




#62
4-Bromofluorobenzene
Concen: 42.394 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

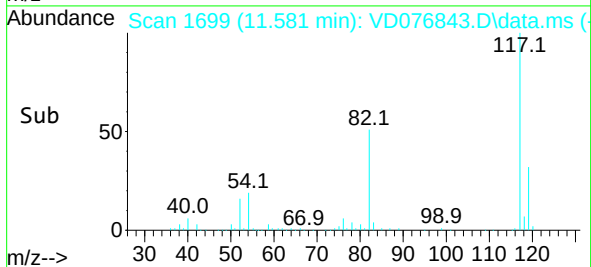
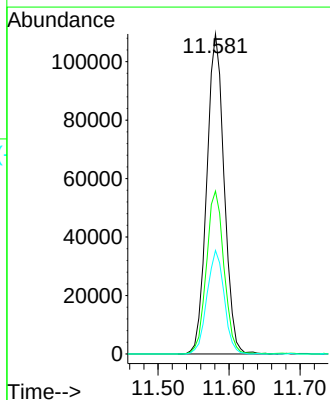
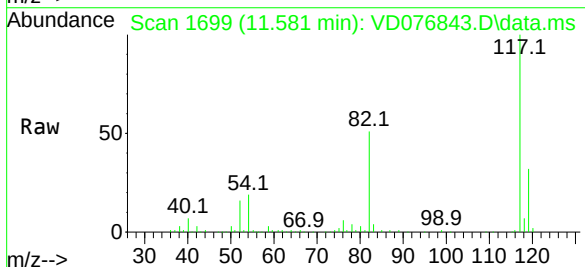
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20430

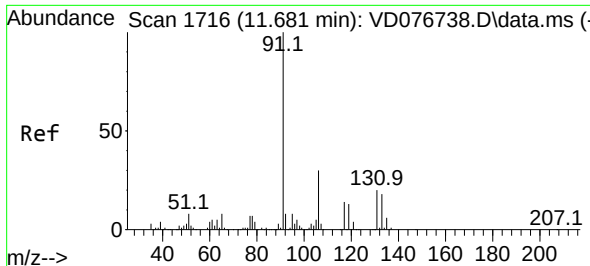
Tgt Ion:	95	Resp:	66620
Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	201.8
176	83.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion:	117	Resp:	185907
Ion	Ratio	Lower	Upper
117	100		
82	50.9	38.3	57.5
119	32.4	25.0	37.4

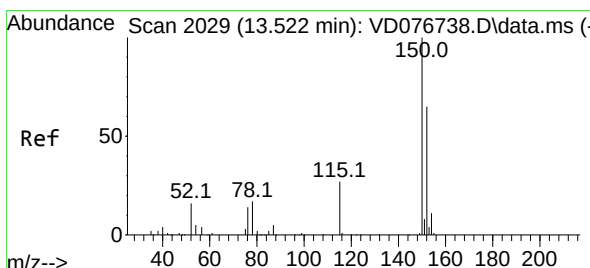
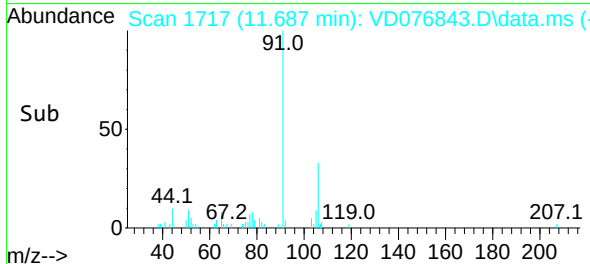
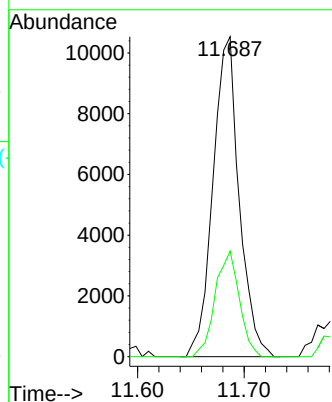
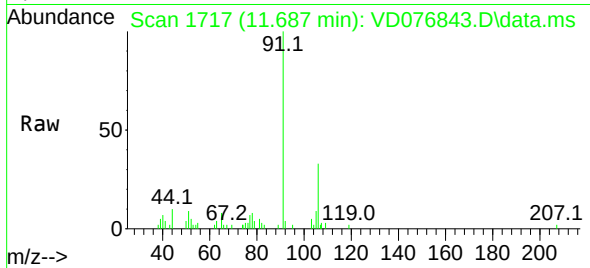




#67
Ethyl Benzene
Concen: 2.733 ug/l
RT: 11.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

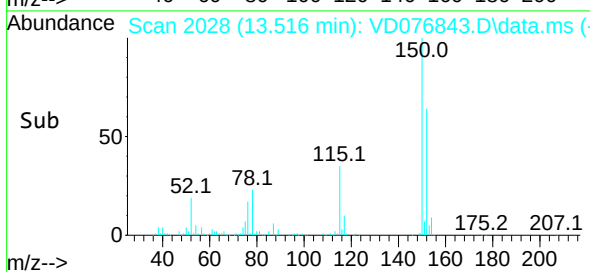
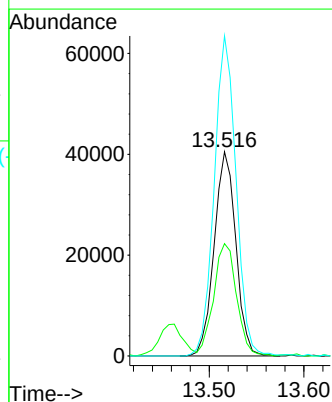
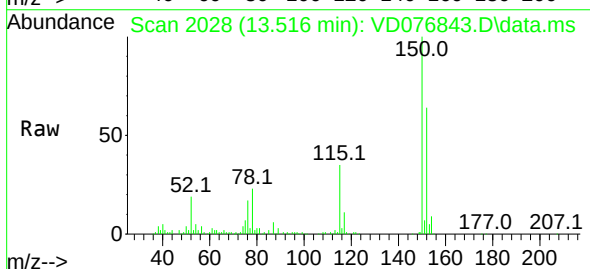
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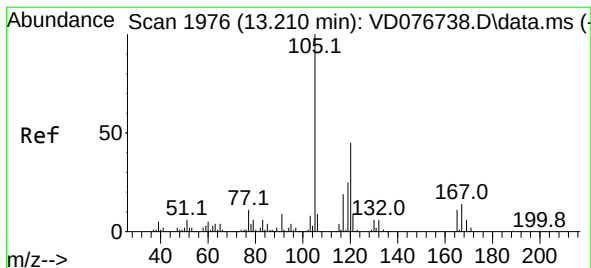
Tgt Ion: 91 Resp: 17948
Ion Ratio Lower Upper
91 100
106 33.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 152 Resp: 64340
Ion Ratio Lower Upper
152 100
115 58.4 27.1 81.3
150 158.0 0.0 353.6





#84

1,2,4-Trimethylbenzene

Concen: 1.485 ug/l

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

ClientSampleId :

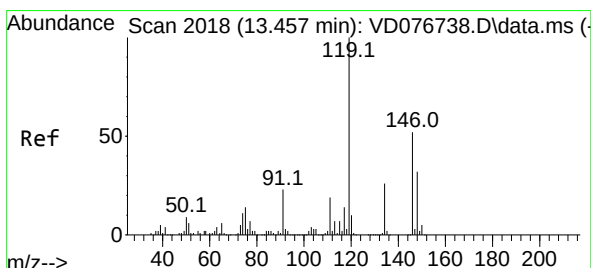
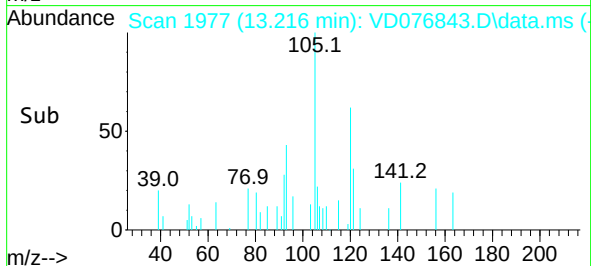
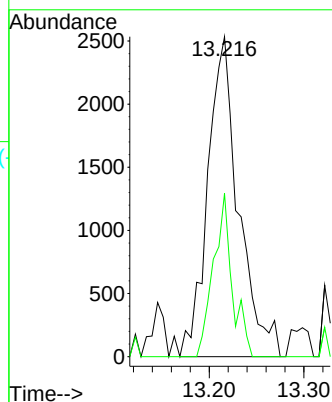
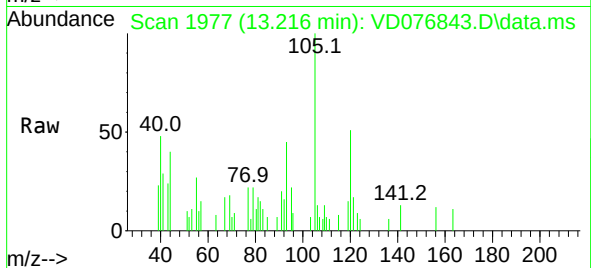
CHRT-20430

Tgt Ion:105 Resp: 5726

Ion Ratio Lower Upper

105 100

120 31.2 24.3 72.9



#86

p-Isopropyltoluene

Concen: 33.452 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Tgt Ion:119 Resp: 140276

Ion Ratio Lower Upper

119 100

134 25.2 14.2 42.6

91 21.4 10.5 31.5

