

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021083.D
 Acq On : 05 Feb 2025 13:04
 Operator : SY/MD
 Sample : Q1261-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20430RE

Quant Time: Feb 05 14:51:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

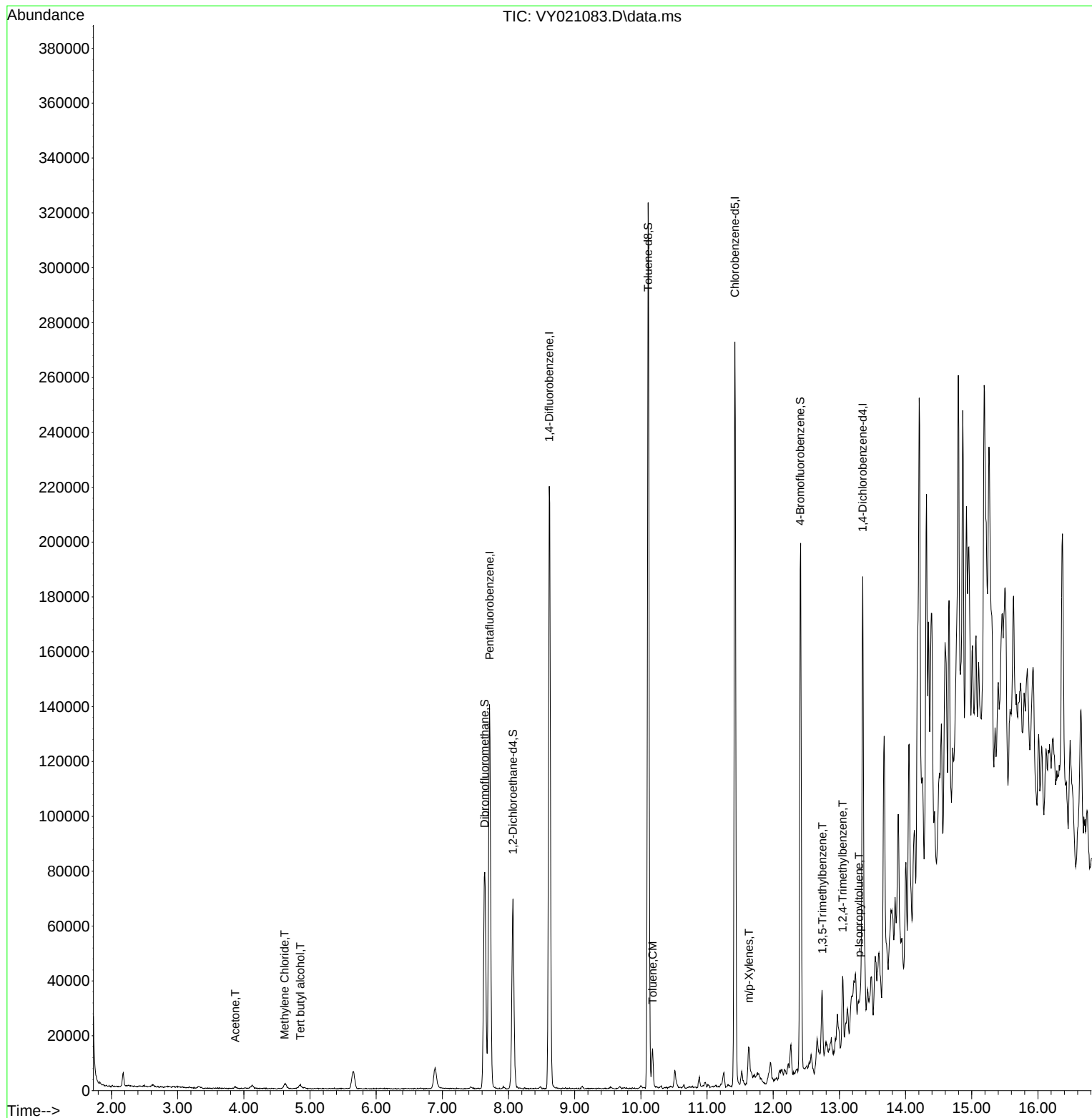
Internal Standards						
1) Pentafluorobenzene	7.713	168	105819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	181778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	140828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	41102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52942	48.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.660%
35) Dibromofluoromethane	7.640	113	57667	49.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.000%
50) Toluene-d8	10.109	98	206304	46.517	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.040%
62) 4-Bromofluorobenzene	12.408	95	55048	37.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	2289	31.155	ug/l #	84
16) Acetone	3.872	43	982	5.808	ug/l #	73
20) Methylene Chloride	4.616	84	1418m	1.349	ug/l	
52) Toluene	10.176	92	5347	1.682	ug/l	94
68) m/p-Xylenes	11.633	106	3845	1.853	ug/l	93
80) 1,3,5-Trimethylbenzene	12.743	105	4310	1.656	ug/l	94
84) 1,2,4-Trimethylbenzene	13.048	105	10133	3.981	ug/l	97
86) p-Isopropyltoluene	13.298	119	3277	1.158	ug/l	92

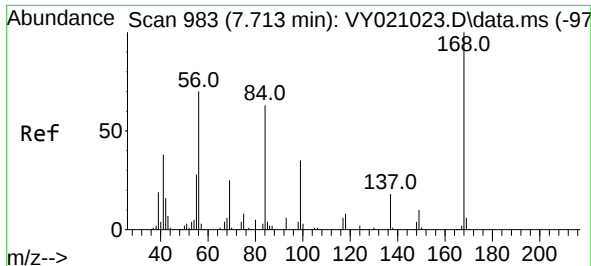
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
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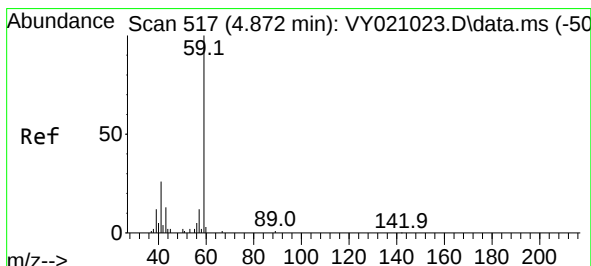
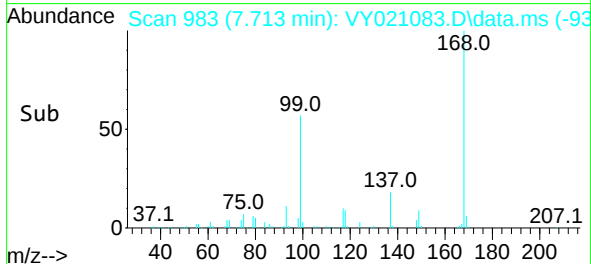
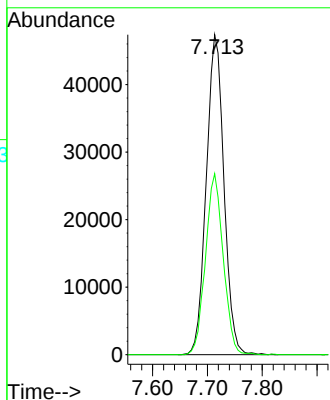
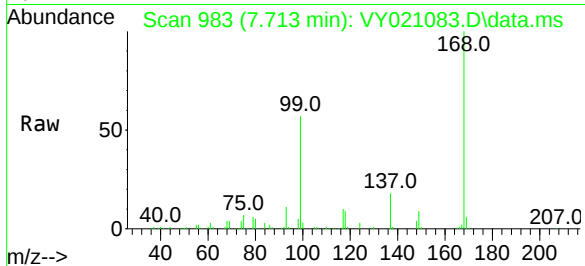




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021083.D
Acq: 05 Feb 2025 13:04

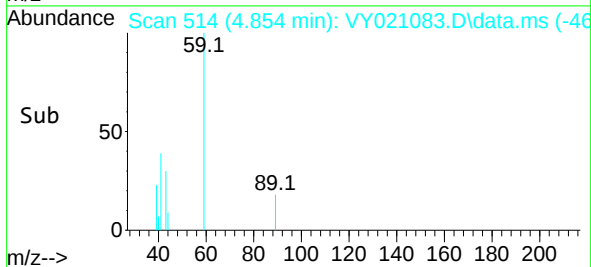
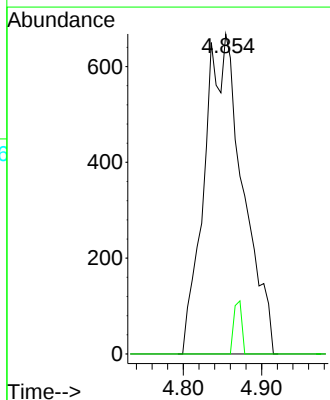
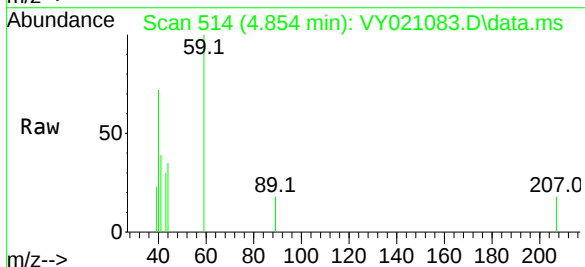
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430RE

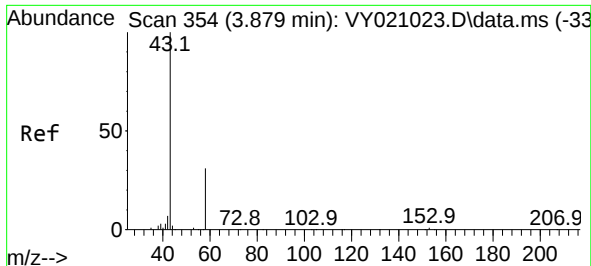
Tgt Ion:168 Resp: 105819
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 31.155 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021083.D
Acq: 05 Feb 2025 13:04

Tgt Ion: 59 Resp: 2289
Ion Ratio Lower Upper
59 100
57 3.4 7.4 11.0#

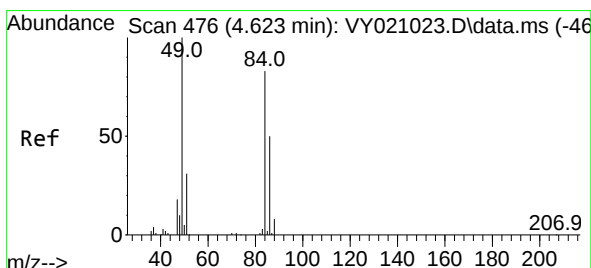
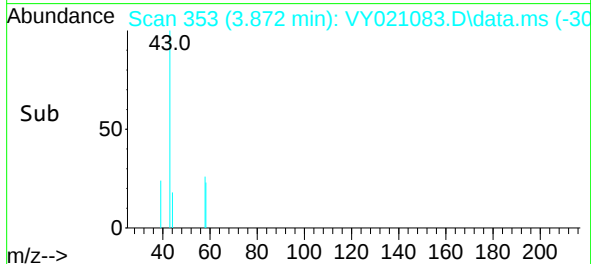
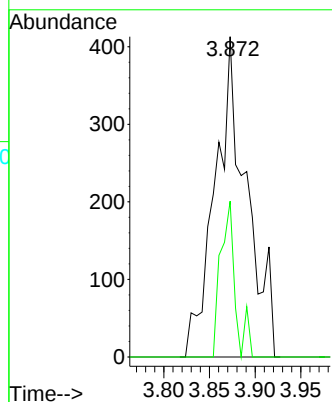
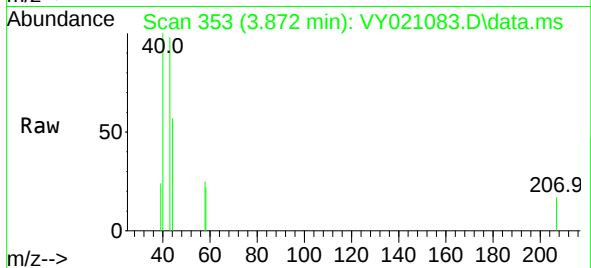




#16
Acetone
Concen: 5.808 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021083.D
Acq: 05 Feb 2025 13:04

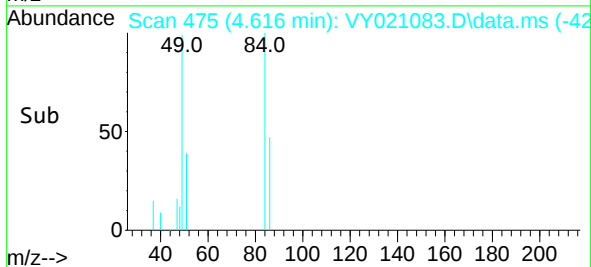
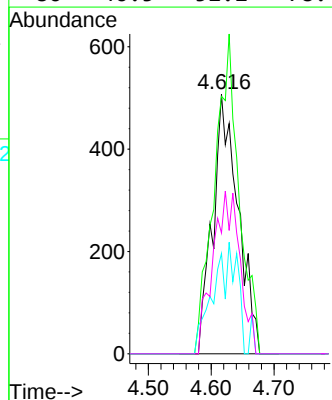
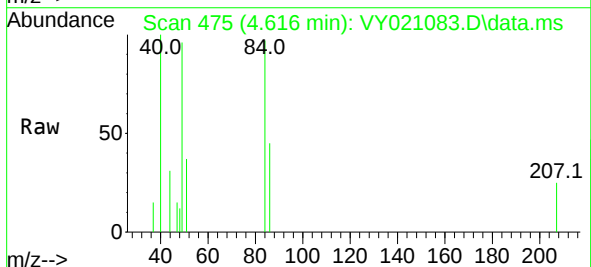
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430RE

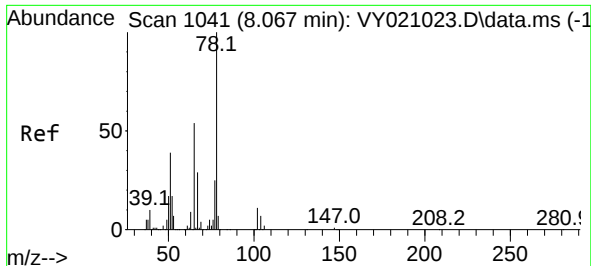
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 48.7 26.6 39.8#



#20
Methylene Chloride
Concen: 1.349 ug/l m
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021083.D
Acq: 05 Feb 2025 13:04

Tgt Ion: 84 Resp: 1418
Ion Ratio Lower Upper
84 100
49 99.2 95.2 142.8
51 38.7 29.9 44.9
86 46.5 52.2 78.4#





#33

1,2-Dichloroethane-d4

Concen: 48.830 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

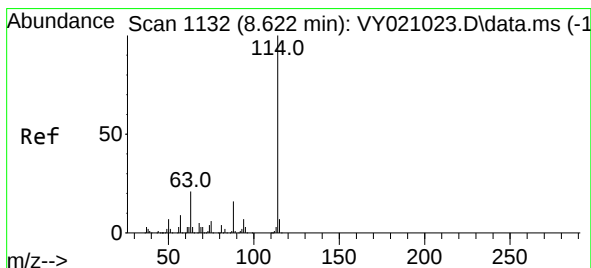
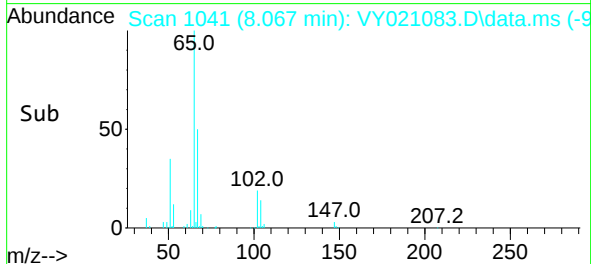
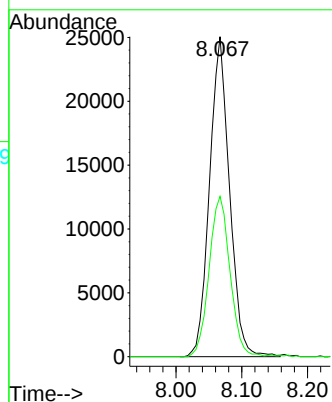
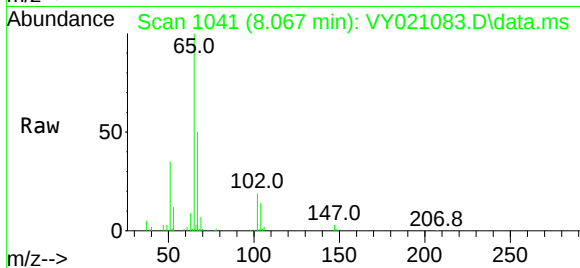
CHRT-20430RE

Tgt Ion: 65 Resp: 52942

Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

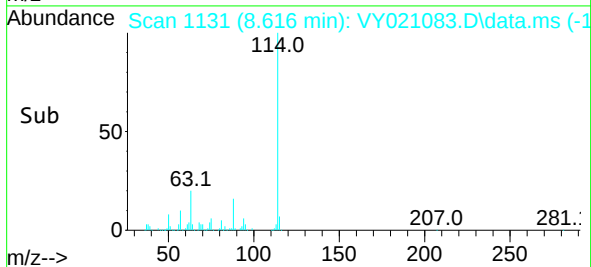
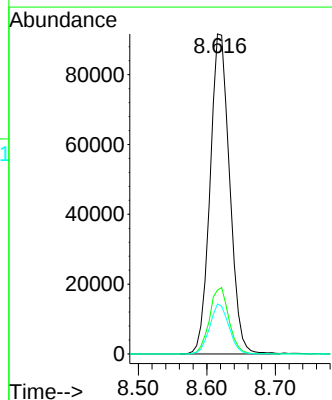
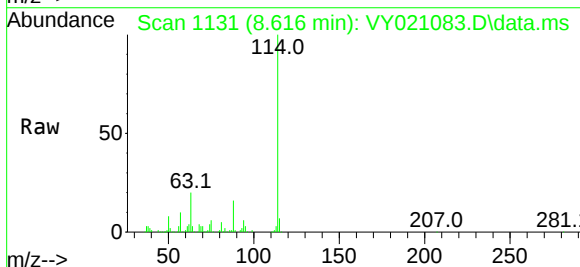
Tgt Ion: 114 Resp: 181778

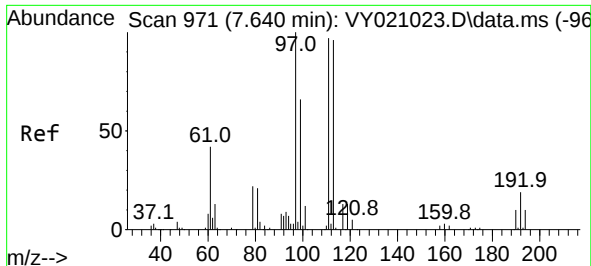
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 15.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.501 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021083.D

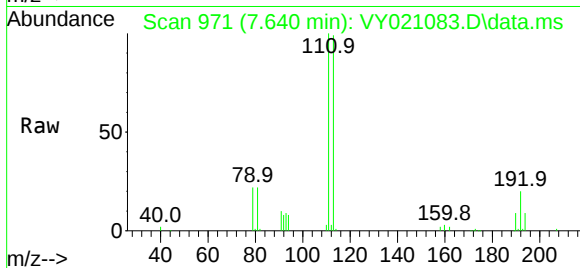
Acq: 05 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-20430RE



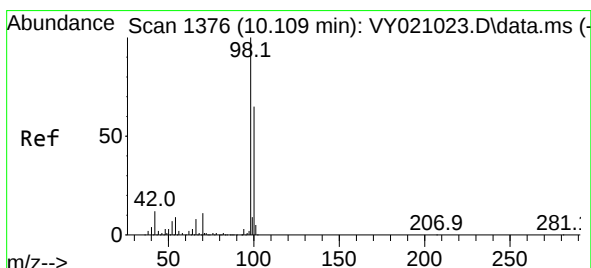
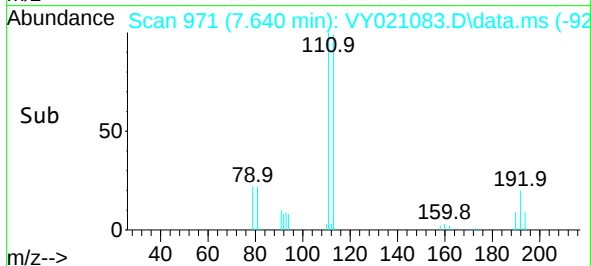
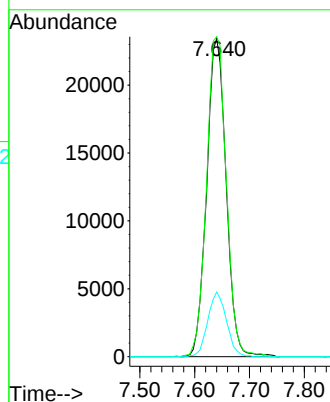
Tgt Ion:113 Resp: 57667

Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 19.5 14.5 21.7



#50

Toluene-d8

Concen: 46.517 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021083.D

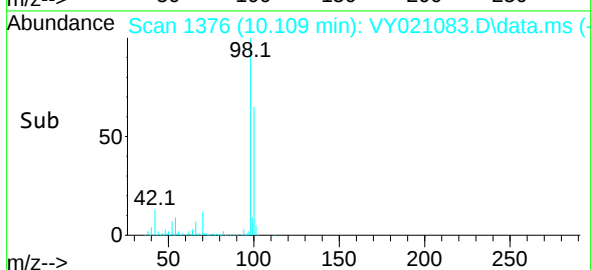
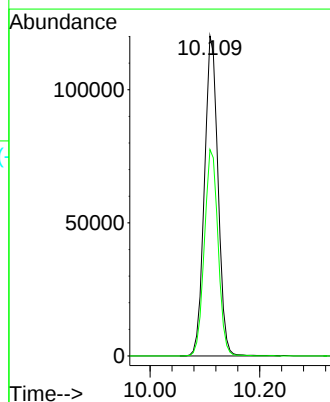
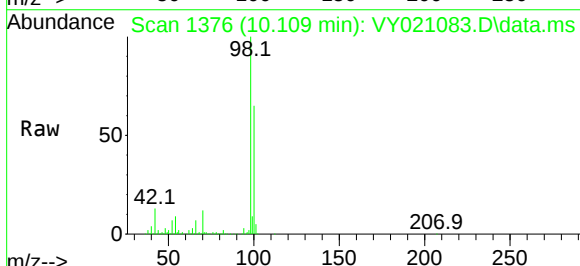
Acq: 05 Feb 2025 13:04

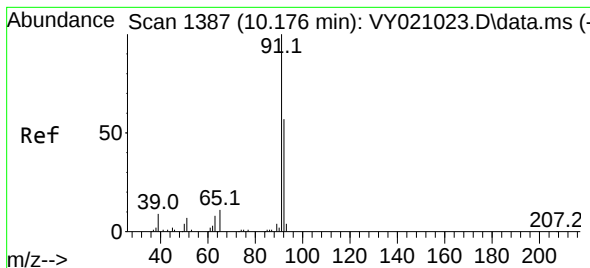
Tgt Ion: 98 Resp: 206304

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5





#52

Toluene

Concen: 1.682 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

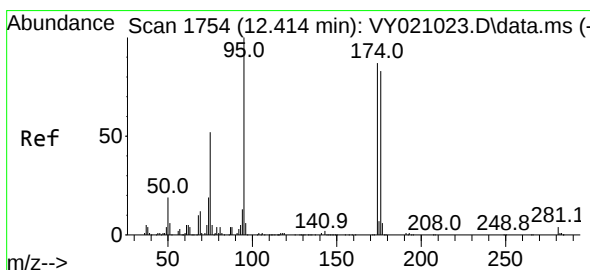
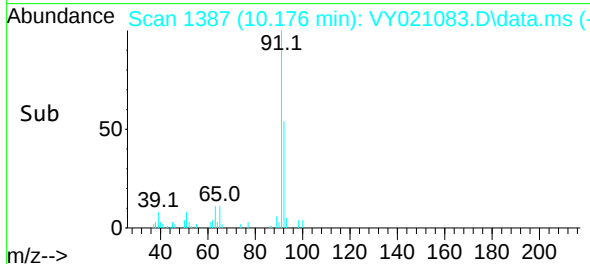
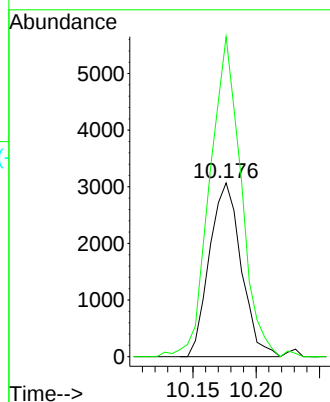
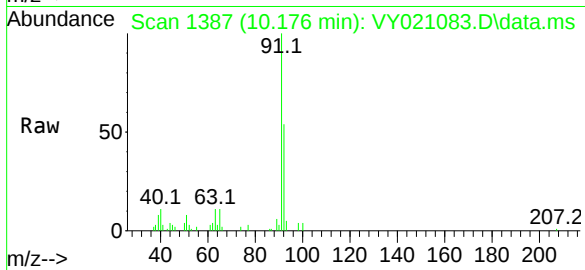
CHRT-20430RE

Tgt Ion: 92 Resp: 5347

Ion Ratio Lower Upper

92 100

91 180.8 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 37.993 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

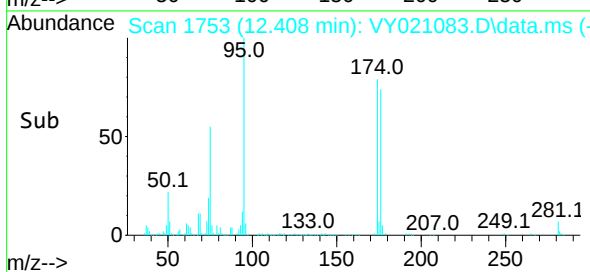
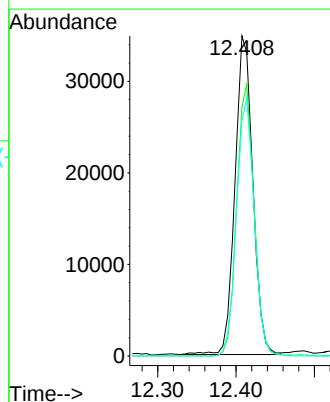
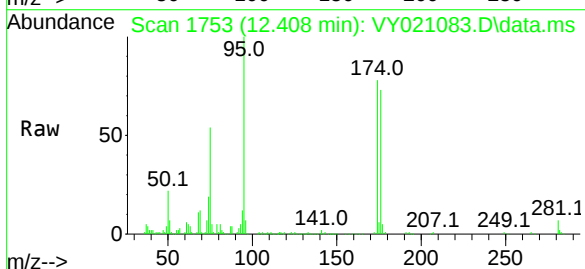
Tgt Ion: 95 Resp: 55048

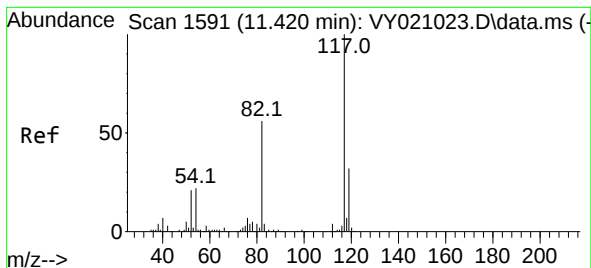
Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.0

176 80.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-20430RE

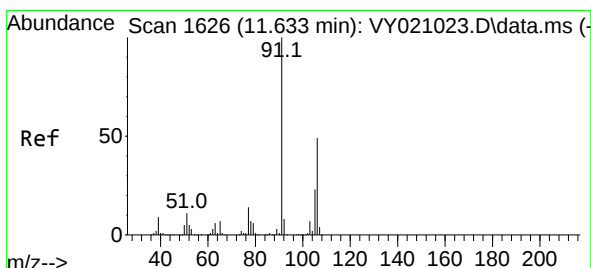
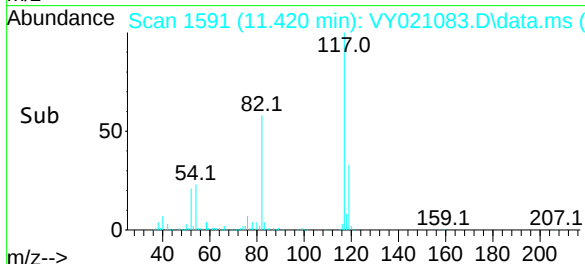
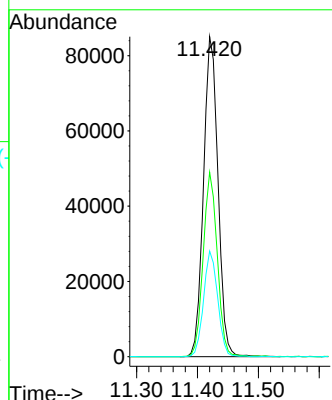
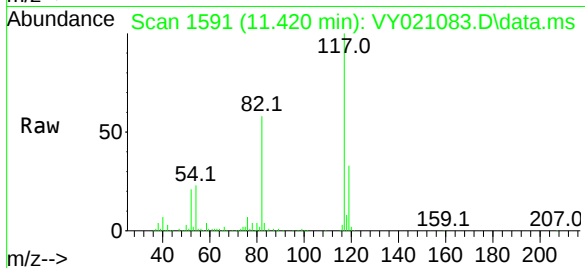
Tgt Ion:117 Resp: 140828

Ion Ratio Lower Upper

117 100

82 57.6 43.8 65.8

119 33.0 26.5 39.7



#68

m/p-Xylenes

Concen: 1.853 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VY021083.D

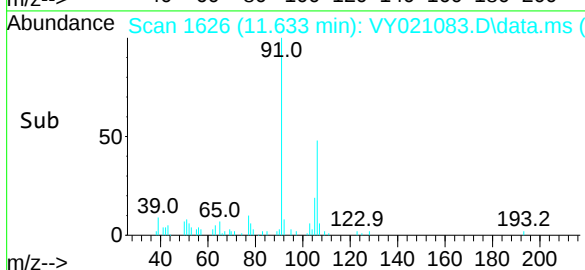
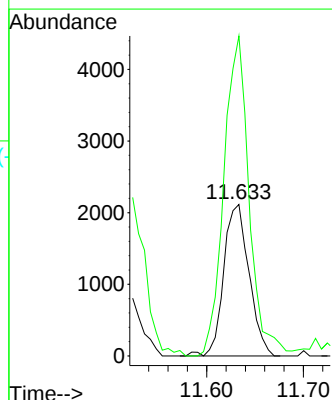
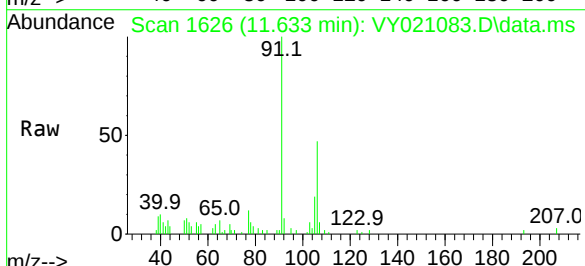
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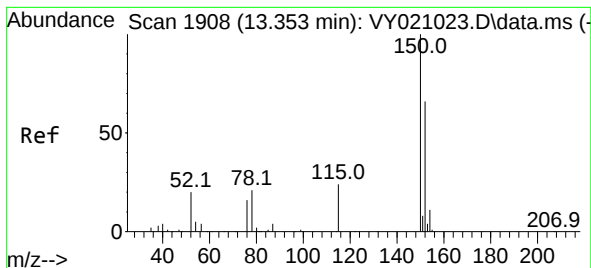
Tgt Ion:106 Resp: 3845

Ion Ratio Lower Upper

106 100

91 211.2 160.7 241.1

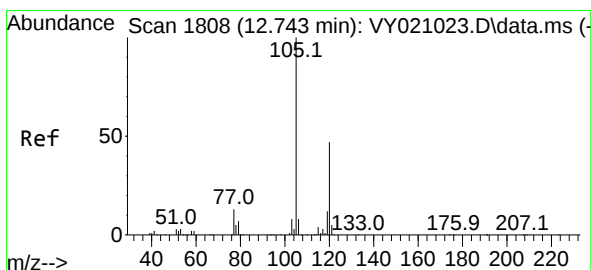
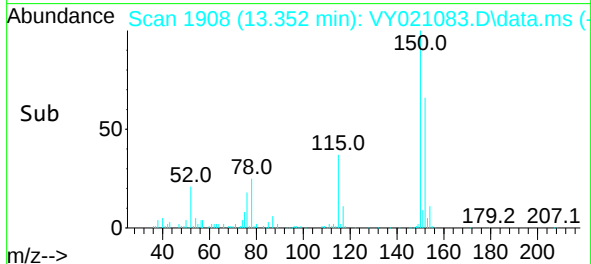
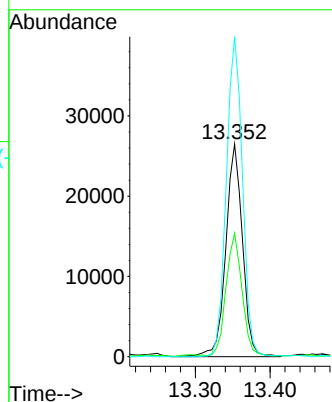
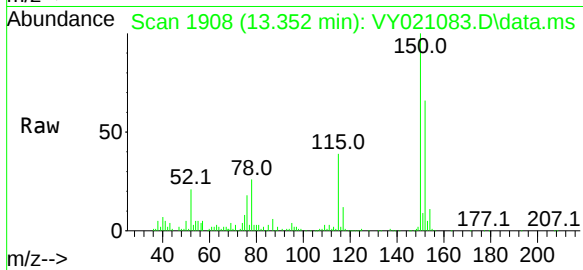




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021083.D
 Acq: 05 Feb 2025 13:04

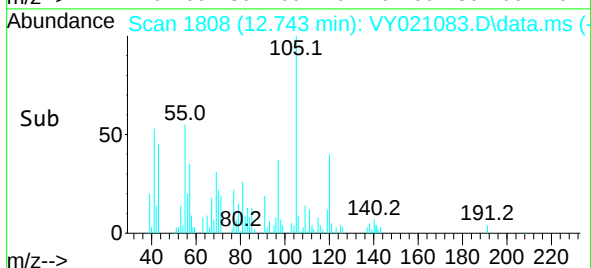
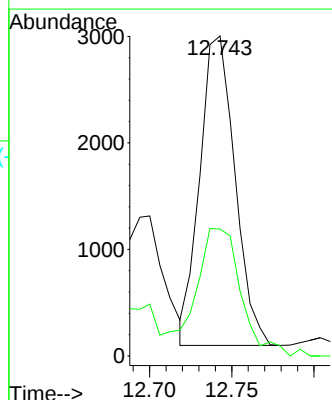
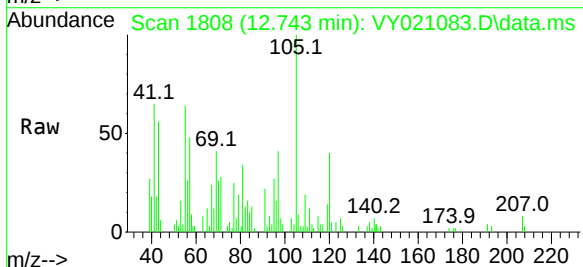
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20430RE

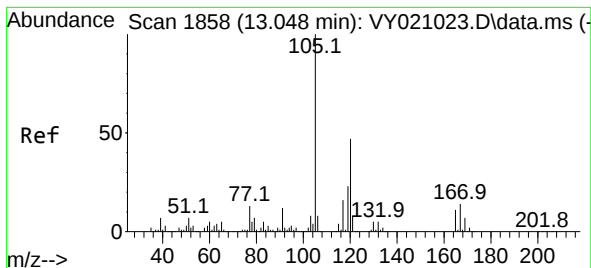
Tgt Ion:152 Resp: 41102
 Ion Ratio Lower Upper
 152 100
 115 54.8 30.0 90.0
 150 146.0 0.0 344.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.656 ug/l
 RT: 12.743 min Scan# 1808
 Delta R.T. -0.000 min
 Lab File: VY021083.D
 Acq: 05 Feb 2025 13:04

Tgt Ion:105 Resp: 4310
 Ion Ratio Lower Upper
 105 100
 120 52.5 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 3.981 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

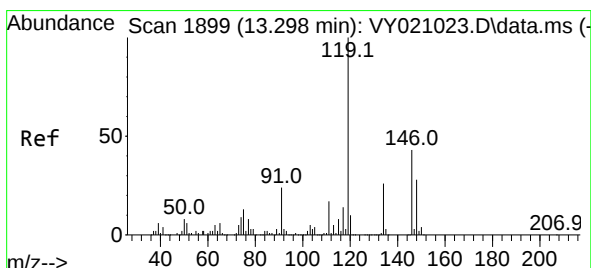
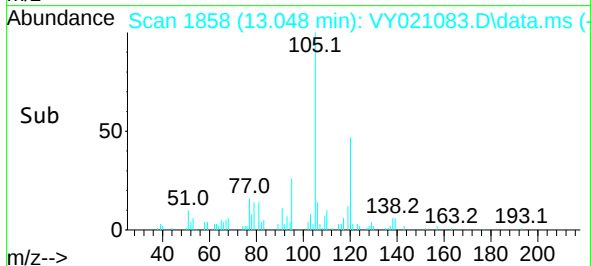
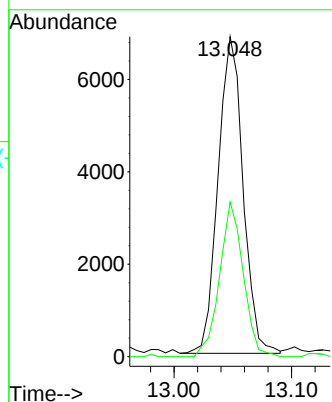
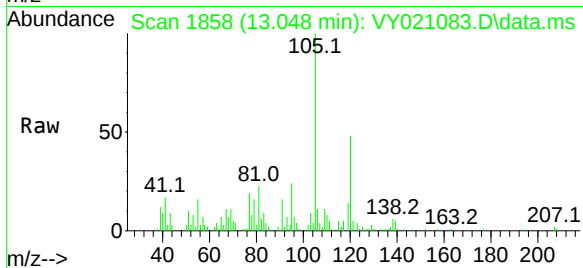
CHRT-20430RE

Tgt Ion:105 Resp: 10133

Ion Ratio Lower Upper

105 100

120 46.1 22.1 66.3



#86

p-Isopropyltoluene

Concen: 1.158 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021083.D

Acq: 05 Feb 2025 13:04

Tgt Ion:119 Resp: 3277

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.1

91 31.1 11.7 35.0

