

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021081.D
 Acq On : 05 Feb 2025 12:17
 Operator : SY/MD
 Sample : Q1261-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20430

Quant Time: Feb 05 13:39:57 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)

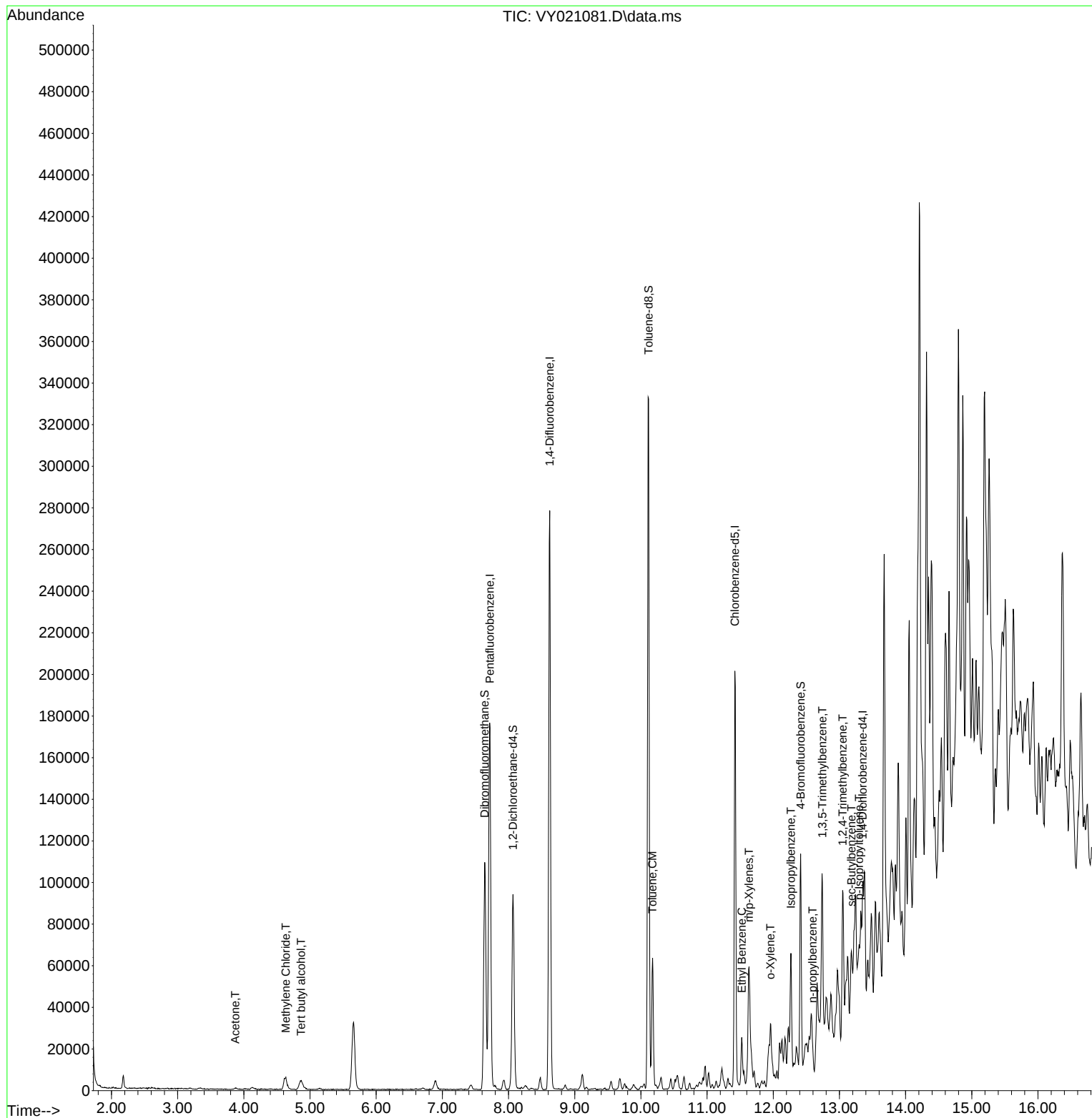
Internal Standards						
1) Pentafluorobenzene	7.719	168	133774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	226814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	104518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	17315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	72541	52.926	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.860%			
35) Dibromofluoromethane	7.640	113	74501	51.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.500%			
50) Toluene-d8	10.115	98	214083	38.686	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 77.380%			
62) 4-Bromofluorobenzene	12.414	95	26171	14.476	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 28.960%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	8027	86.423	ug/l #	86
16) Acetone	3.872	43	1216	5.689	ug/l	96
20) Methylene Chloride	4.635	84	4297	3.234	ug/l	92
52) Toluene	10.176	92	25016	6.306	ug/l	97
67) Ethyl Benzene	11.524	91	14187	3.447	ug/l	95
68) m/p-Xylenes	11.633	106	15335	9.958	ug/l	98
69) o-Xylene	11.956	106	5552	3.867	ug/l	86
73) Isopropylbenzene	12.267	105	4865	3.597	ug/l	87
78) n-propylbenzene	12.597	91	5483	3.403	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	12526	11.423	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	26159	24.397	ug/l	96
85) sec-Butylbenzene	13.182	105	7174	5.000	ug/l #	74
86) p-Isopropyltoluene	13.298	119	7368	6.182	ug/l	93

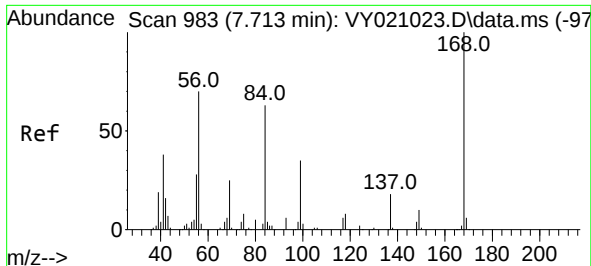
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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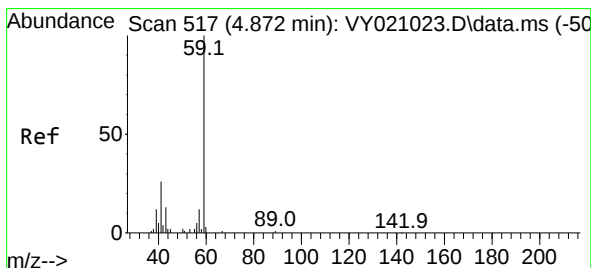
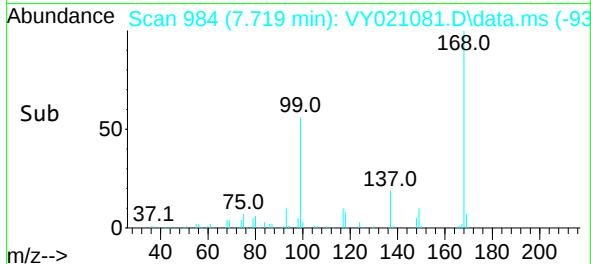
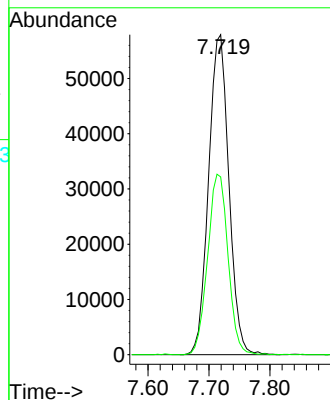
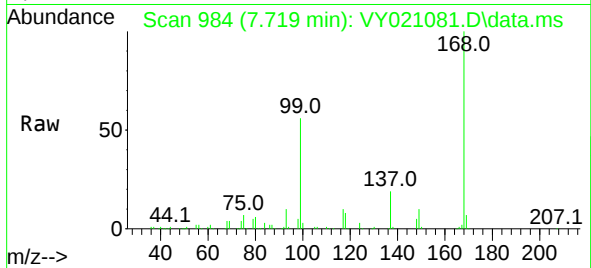




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

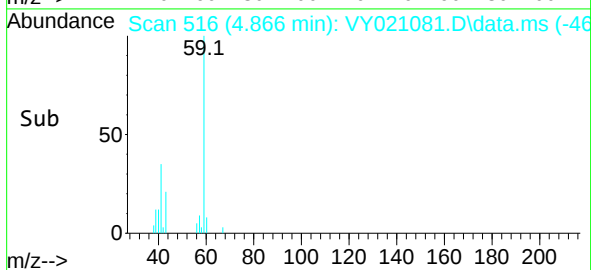
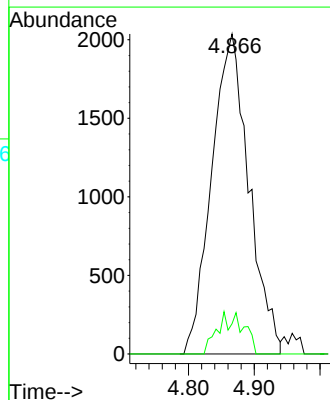
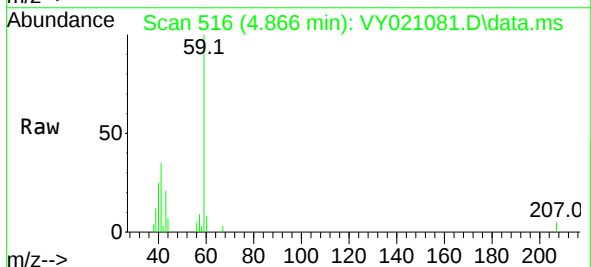
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430

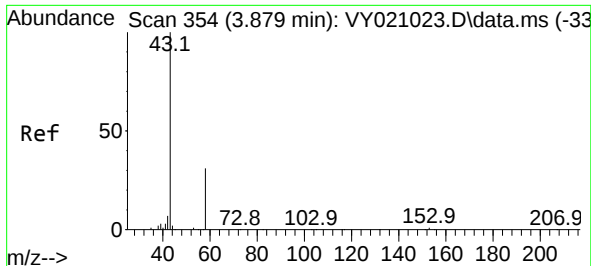
Tgt Ion:168 Resp: 133774
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 86.423 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

Tgt Ion: 59 Resp: 8027
Ion Ratio Lower Upper
59 100
57 4.2 7.4 11.0#

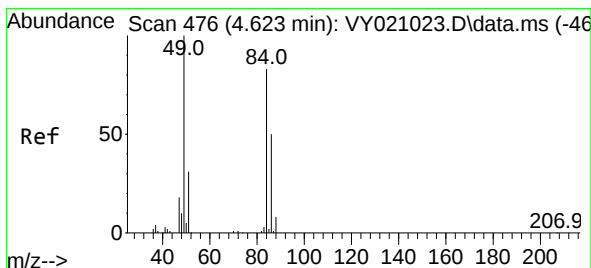
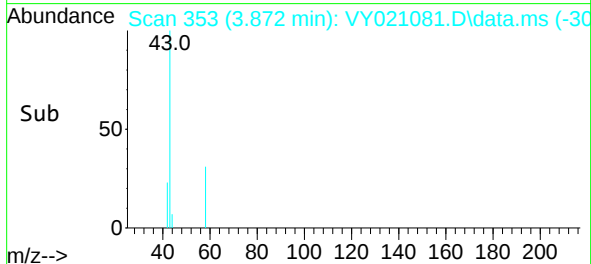
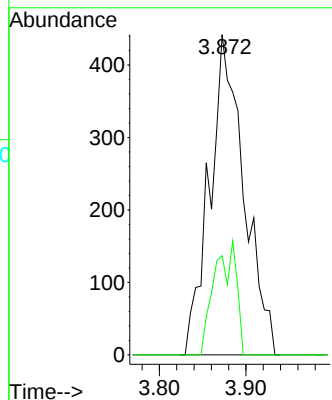
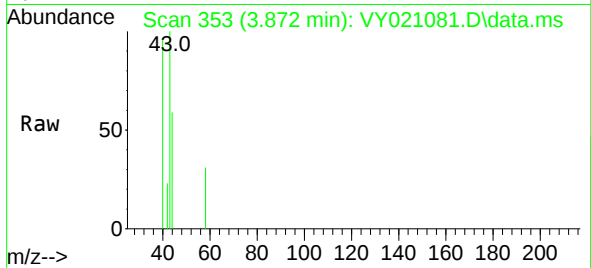




#16
Acetone
Concen: 5.689 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

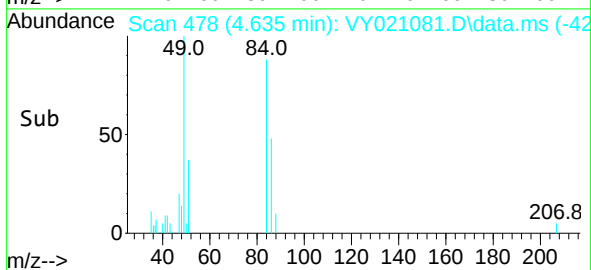
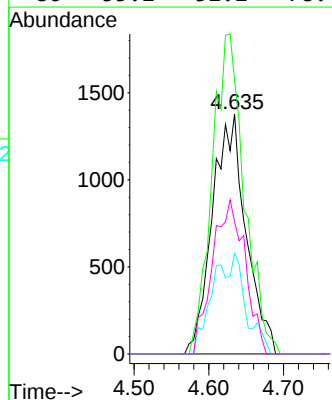
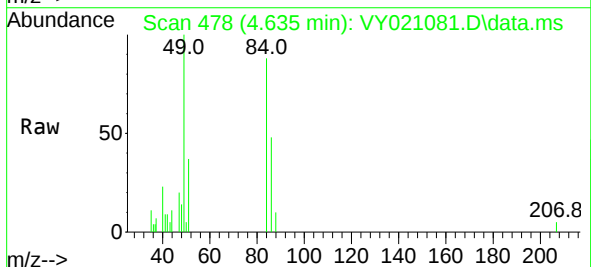
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430

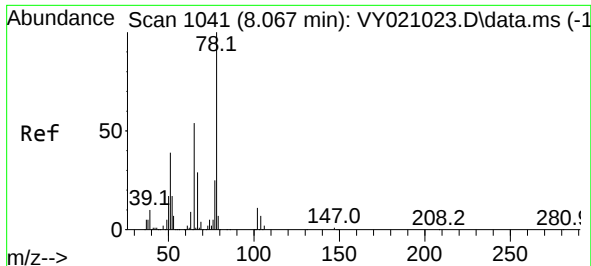
Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
58 31.0 26.6 39.8



#20
Methylene Chloride
Concen: 3.234 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

Tgt Ion: 84 Resp: 4297
Ion Ratio Lower Upper
84 100
49 113.9 95.2 142.8
51 42.0 29.9 44.9
86 55.2 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 52.926 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

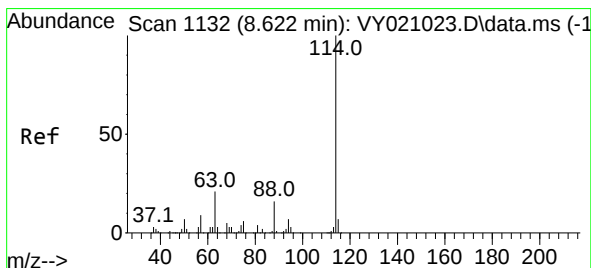
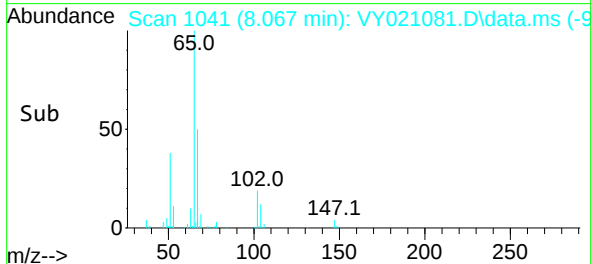
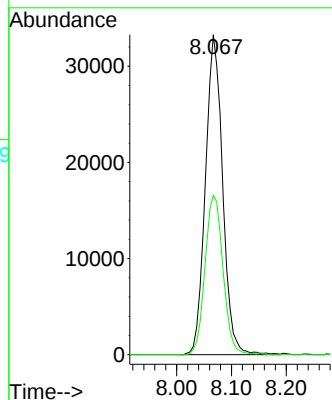
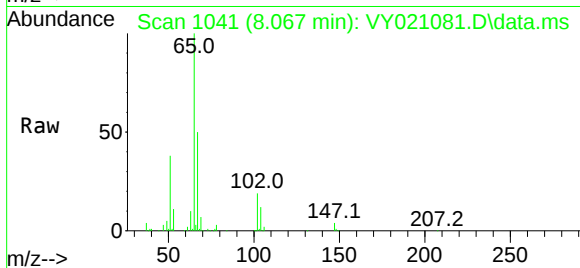
CHRT-20430

Tgt Ion: 65 Resp: 72541

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

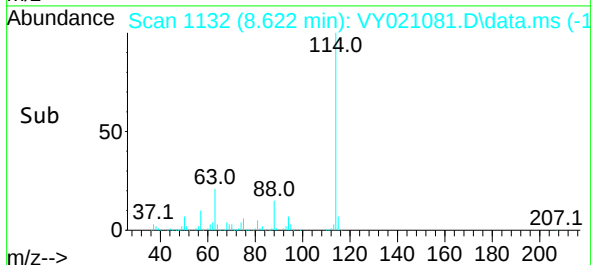
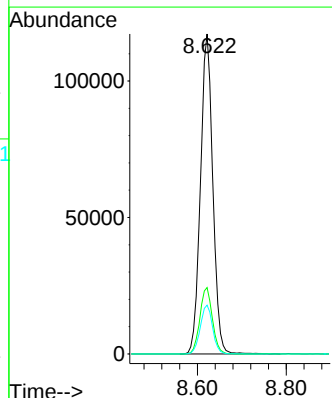
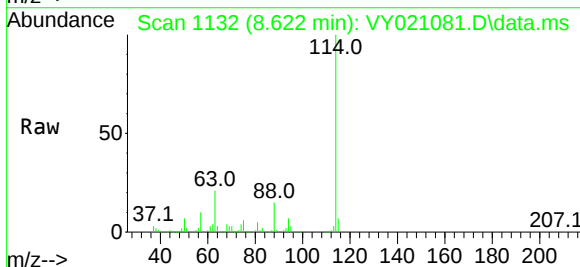
Tgt Ion: 114 Resp: 226814

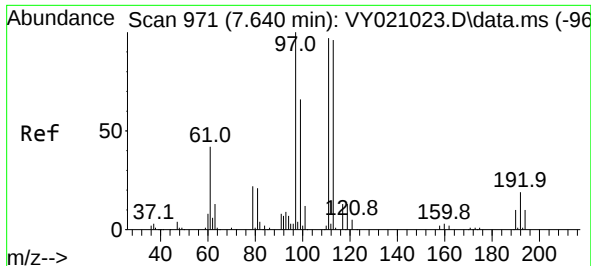
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.2 0.0 29.0

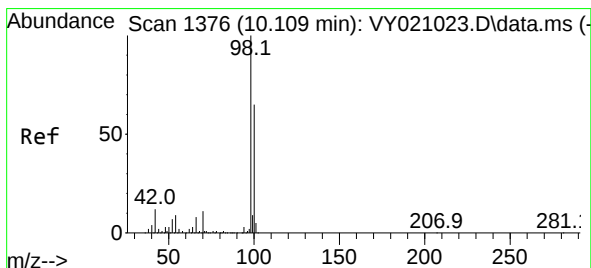
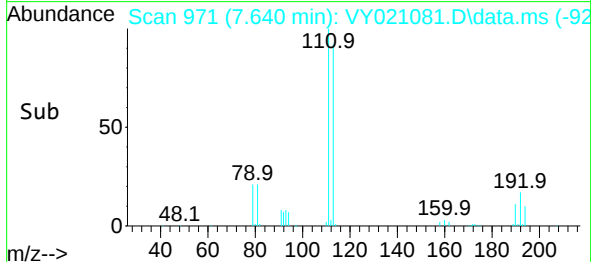
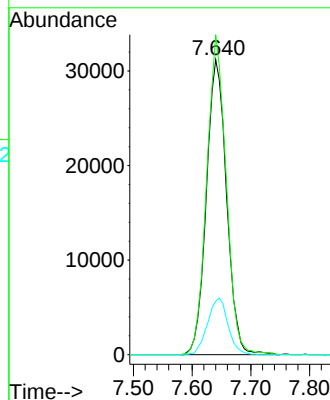
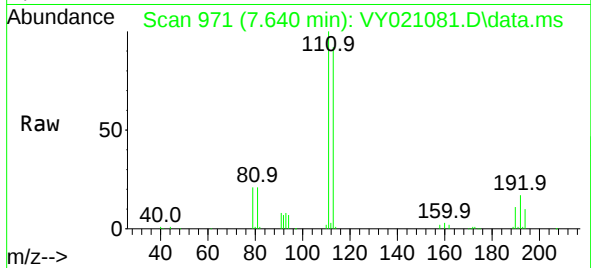




#35
Dibromofluoromethane
Concen: 51.254 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

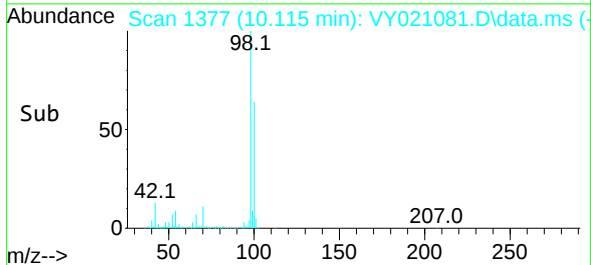
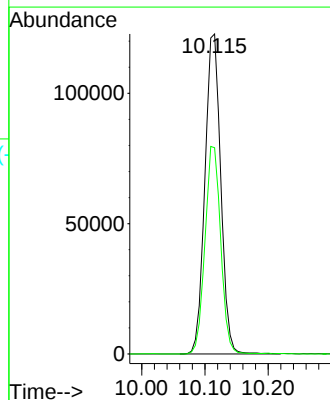
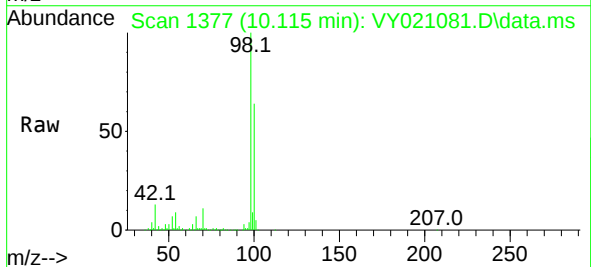
Instrument :
MSVOA_Y
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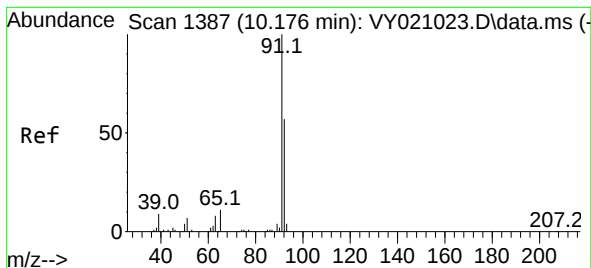
Tgt Ion:113 Resp: 74501
Ion Ratio Lower Upper
113 100
111 104.9 83.8 125.6
192 19.5 14.5 21.7



#50
Toluene-d8
Concen: 38.686 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

Tgt Ion: 98 Resp: 214083
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5





#52

Toluene

Concen: 6.306 ug/l

RT: 10.176 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

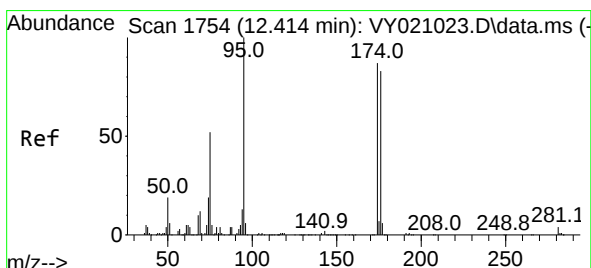
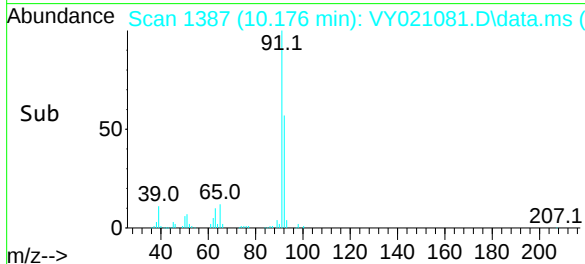
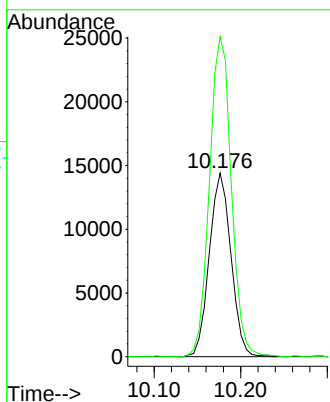
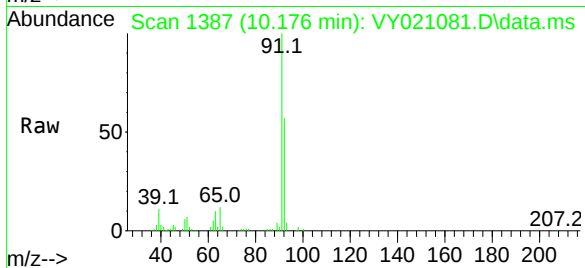
CHRT-20430

Tgt Ion: 92 Resp: 25016

Ion Ratio Lower Upper

92 100

91 175.9 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 14.476 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

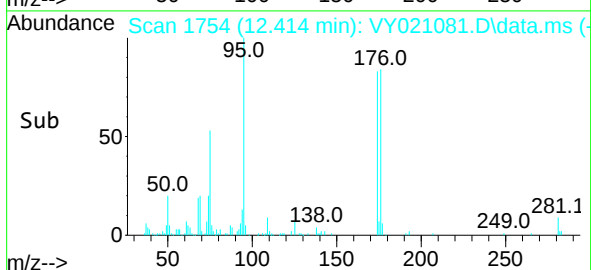
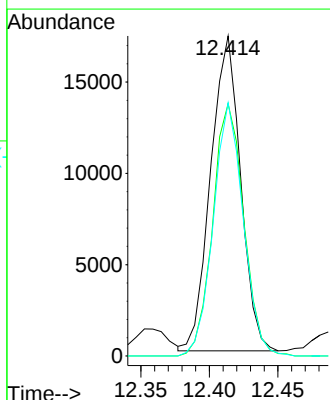
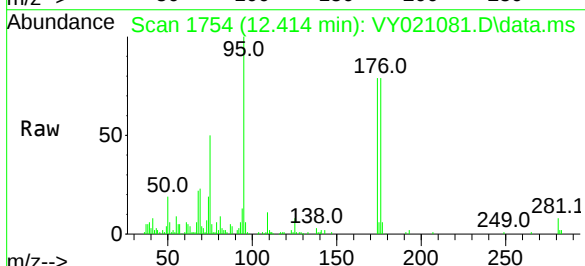
Tgt Ion: 95 Resp: 26171

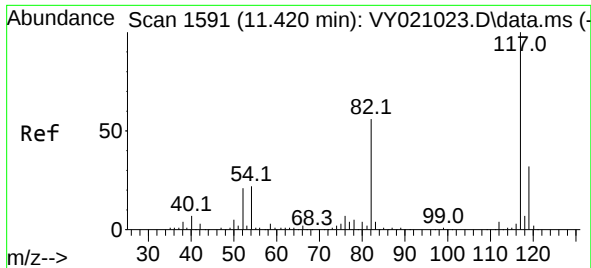
Ion Ratio Lower Upper

95 100

174 82.8 0.0 160.0

176 80.2 0.0 151.8

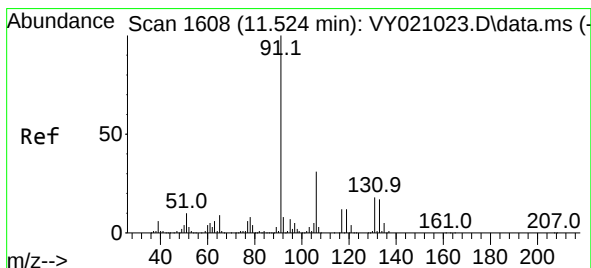
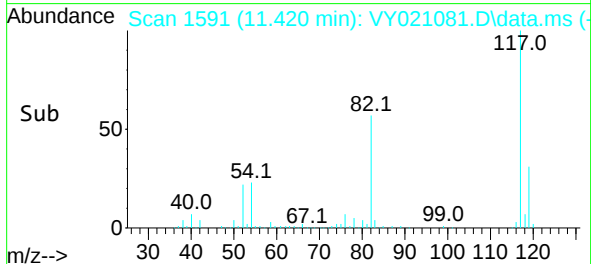
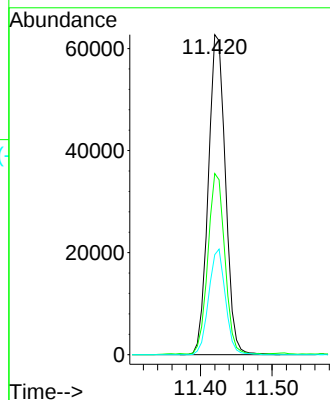
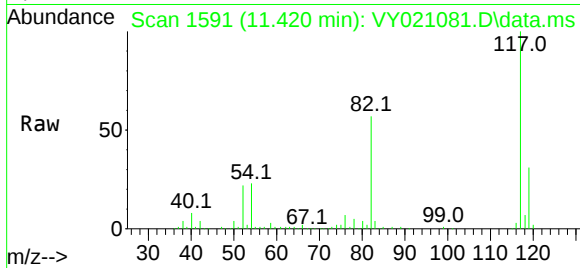




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

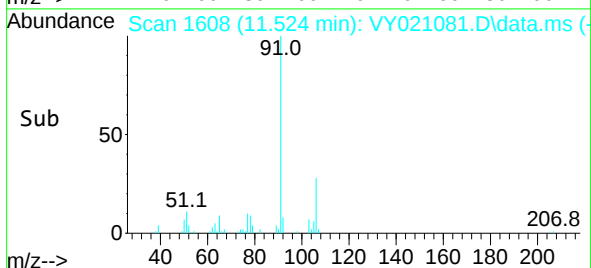
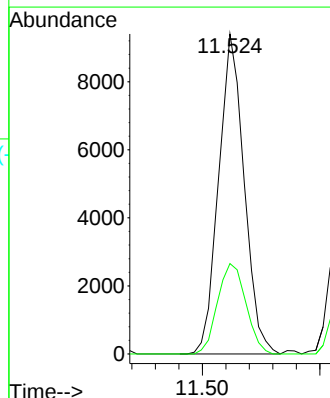
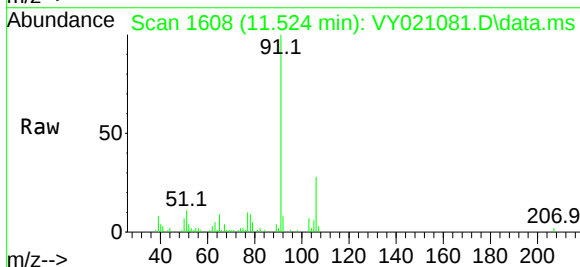
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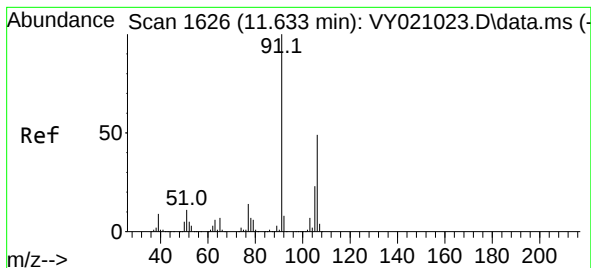
Tgt Ion:117 Resp: 104518
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 31.3 26.5 39.7



#67
Ethyl Benzene
Concen: 3.447 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

Tgt Ion: 91 Resp: 14187
Ion Ratio Lower Upper
91 100
106 28.3 25.0 37.4





#68

m/p-Xylenes

Concen: 9.958 ug/l

RT: 11.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

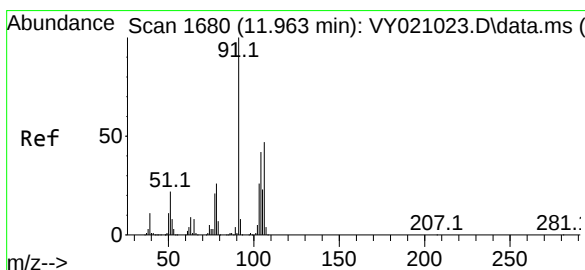
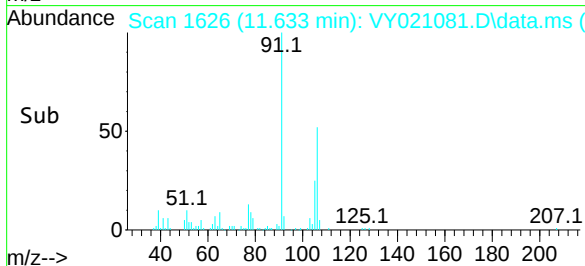
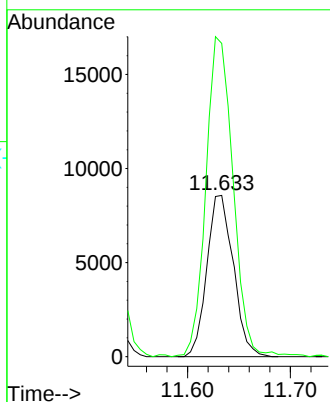
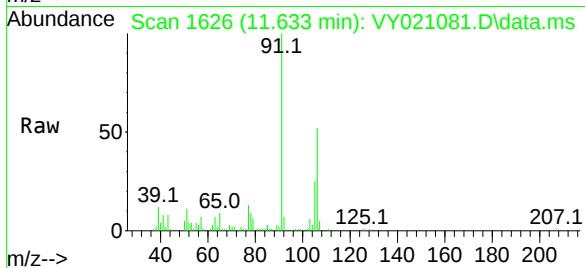
CHRT-20430

Tgt Ion:106 Resp: 15335

Ion Ratio Lower Upper

106 100

91 203.6 160.7 241.1



#69

o-Xylene

Concen: 3.867 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. -0.006 min

Lab File: VY021081.D

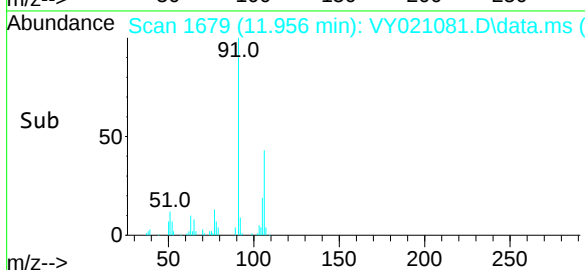
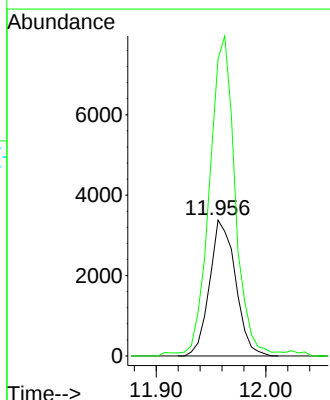
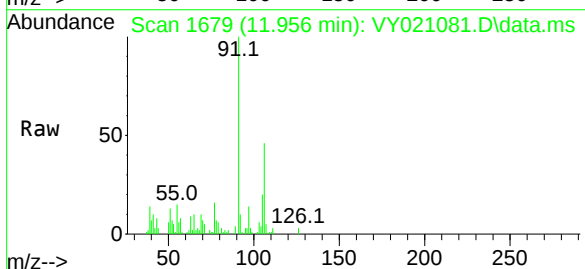
Acq: 05 Feb 2025 12:17

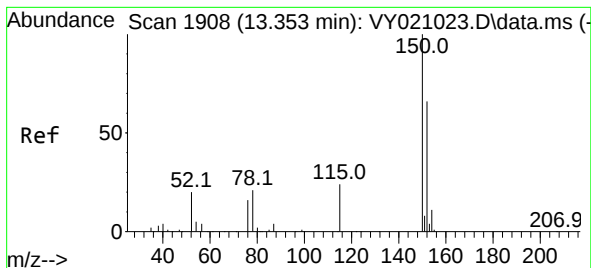
Tgt Ion:106 Resp: 5552

Ion Ratio Lower Upper

106 100

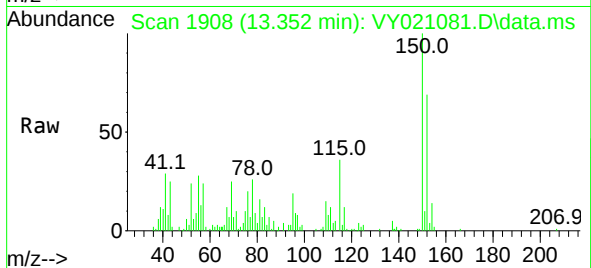
91 234.4 106.5 319.5



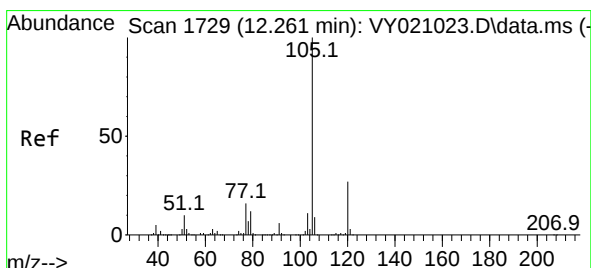
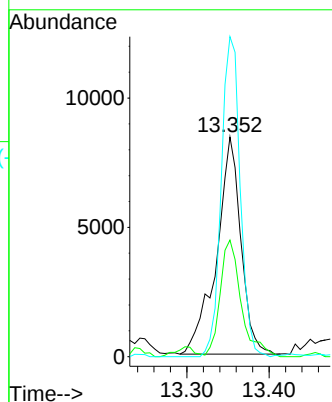
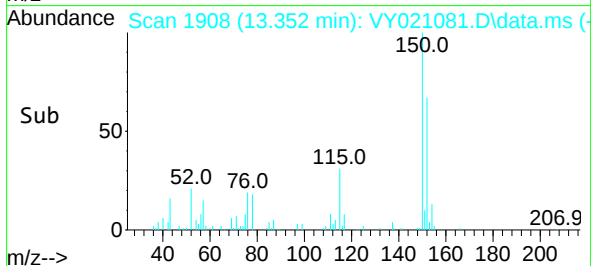


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

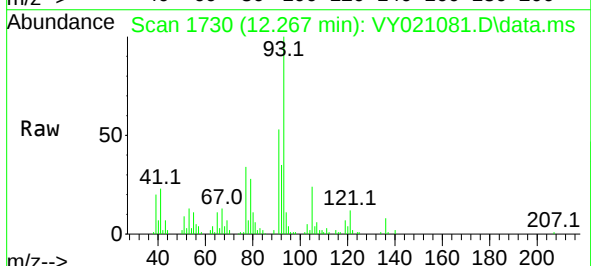
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430



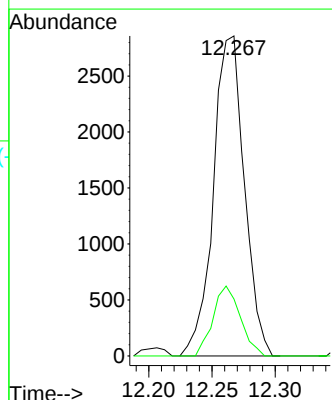
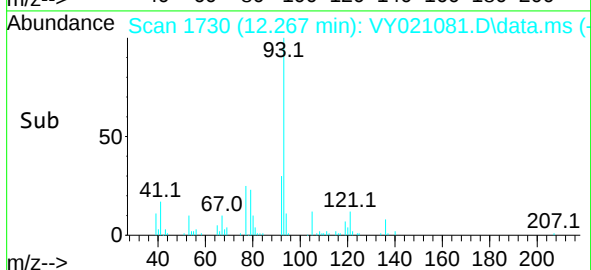
Tgt Ion:152 Resp: 17315
Ion Ratio Lower Upper
152 100
115 46.3 30.0 90.0
150 114.6 0.0 344.6

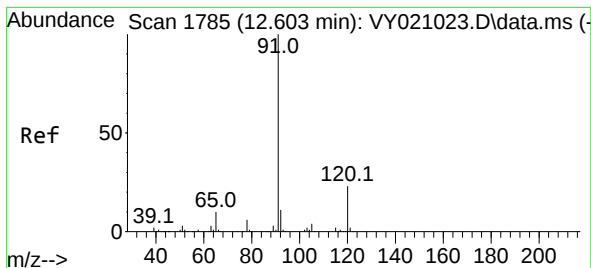


#73
Isopropylbenzene
Concen: 3.597 ug/l
RT: 12.267 min Scan# 1730
Delta R.T. 0.006 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17



Tgt Ion:105 Resp: 4865
Ion Ratio Lower Upper
105 100
120 19.3 13.0 39.0





#78

n-propylbenzene

Concen: 3.403 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY021081.D

Acq: 05 Feb 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

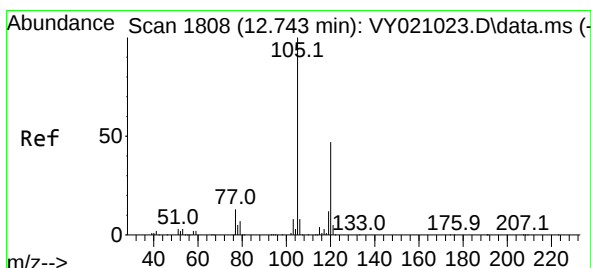
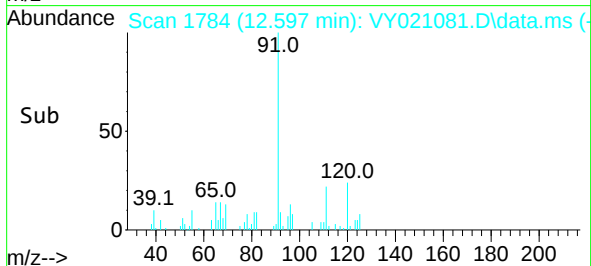
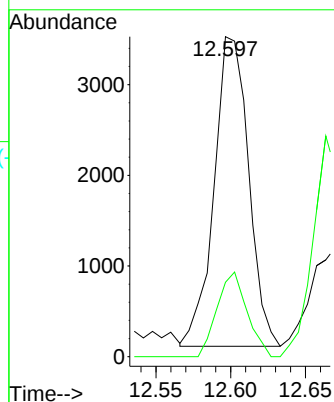
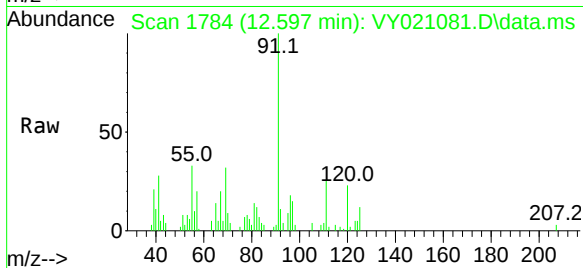
CHRT-20430

Tgt Ion: 91 Resp: 5483

Ion Ratio Lower Upper

91 100

120 23.7 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 11.423 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021081.D

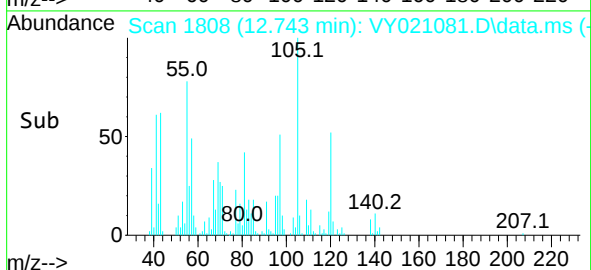
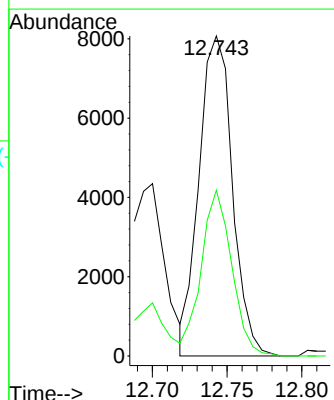
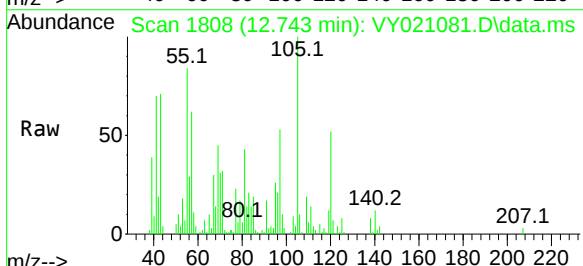
Acq: 05 Feb 2025 12:17

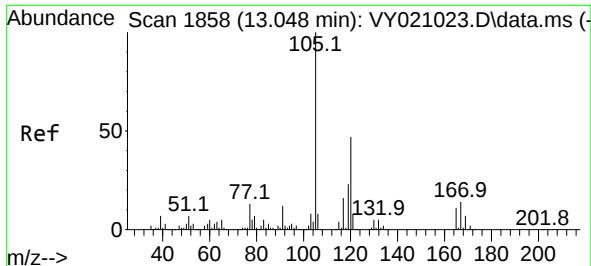
Tgt Ion:105 Resp: 12526

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8

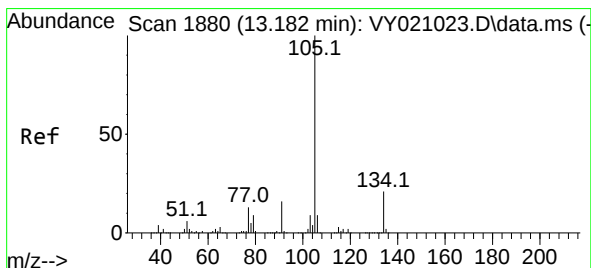
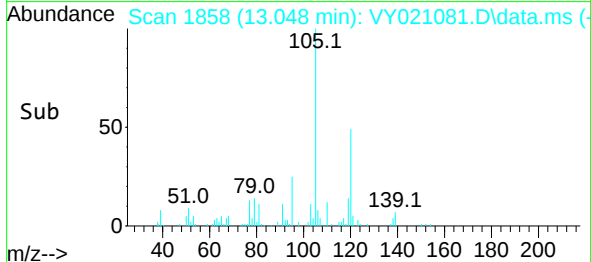
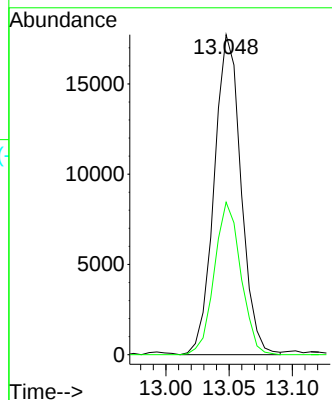
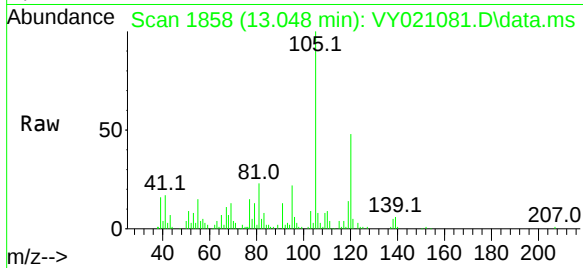




#84
1,2,4-Trimethylbenzene
Concen: 24.397 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

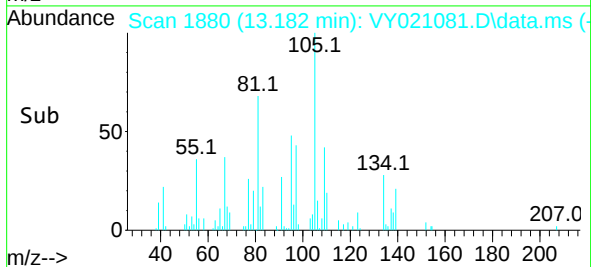
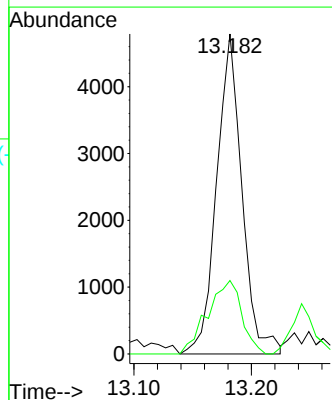
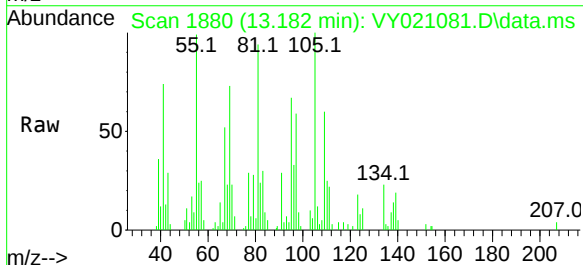
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20430

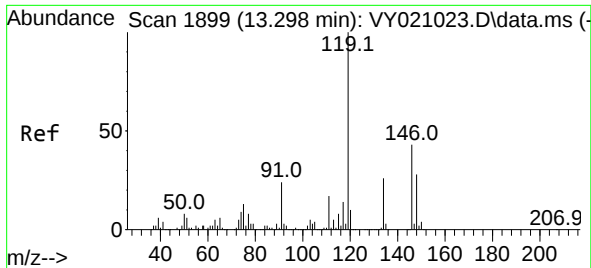
Tgt Ion:105 Resp: 26159
Ion Ratio Lower Upper
105 100
120 46.9 22.1 66.3



#85
sec-Butylbenzene
Concen: 5.000 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VY021081.D
Acq: 05 Feb 2025 12:17

Tgt Ion:105 Resp: 7174
Ion Ratio Lower Upper
105 100
134 31.0 9.7 28.9#





#86
 p-Isopropyltoluene
 Concen: 6.182 ug/l
 RT: 13.298 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VY021081.D
 Acq: 05 Feb 2025 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20430

Tgt Ion:	119	Resp:	7368
Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.1
91	30.5	11.7	35.0

