

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014142.D
 Acq On : 13 Jun 2023 16:16
 Operator : KP/MD
 Sample : 03154-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051

Quant Time: Jun 14 01:36:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

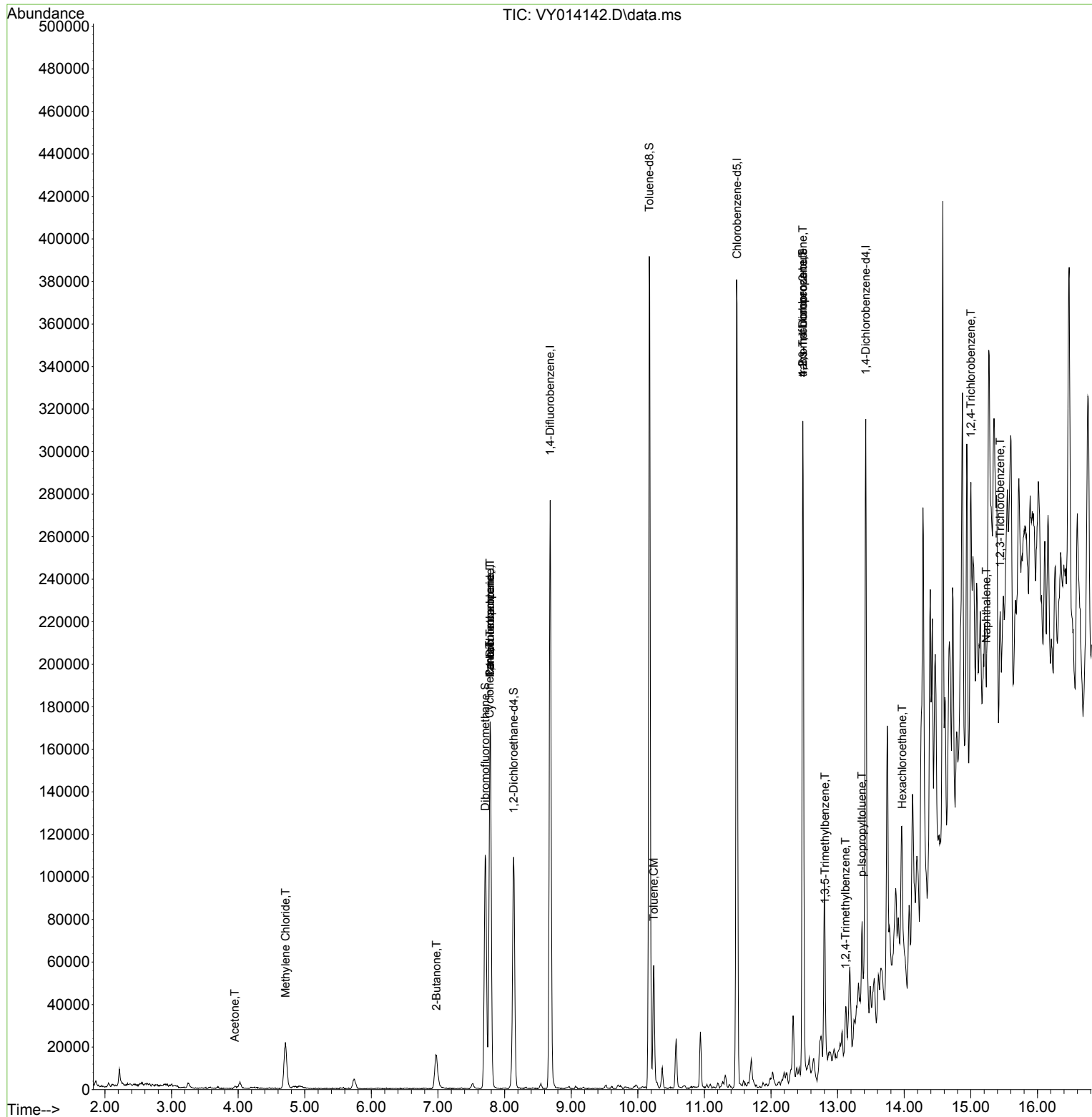
Internal Standards						
1) Pentafluorobenzene	7.783	168	135423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	199335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88832	47.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.220%
35) Dibromofluoromethane	7.710	113	75612	47.600	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.200%
50) Toluene-d8	10.173	98	253393	42.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.340%
62) 4-Bromofluorobenzene	12.477	95	79092	37.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	413	Below Cal	#	97
13) Acrolein	3.729	56	23	Below Cal	#	14
16) Acetone	3.948	43	2149	3.781	ug/l	91
20) Methylene Chloride	4.710	84	15495	5.336	ug/l	95
25) 2-Butanone	6.978	43	1742	2.490	ug/l #	49
31) Cyclohexane	7.777	56	3057	1.210	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	10234	4.133	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12743	4.459	ug/l #	17
52) Toluene	10.240	92	22177	4.858	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	43011	45.310	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	4898	1.036	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	43011	97.942	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	8216	1.756	ug/l	98
86) p-Isopropyltoluene	13.367	119	23569	4.716	ug/l	95
90) Hexachloroethane	13.971	117	999	1.003	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.001	180	5283	3.352	ug/l #	1
95) Naphthalene	15.233	128	3626	1.134	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.440	180	2584	1.815	ug/l #	68

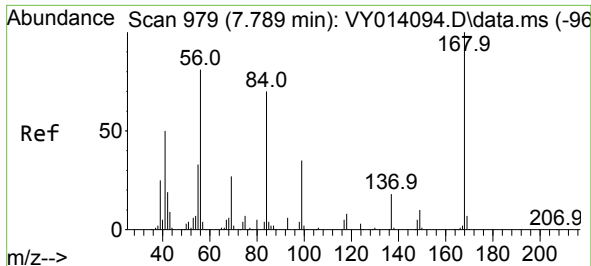
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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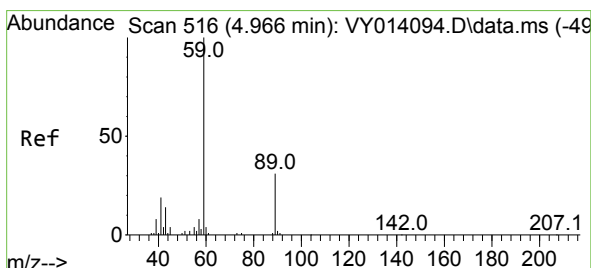
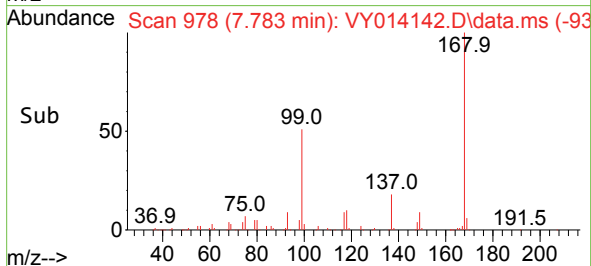
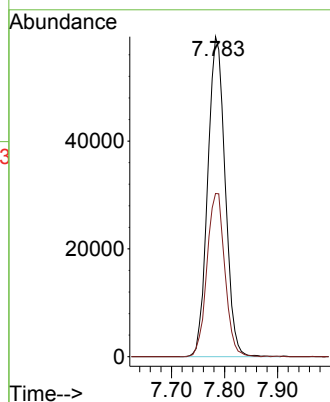
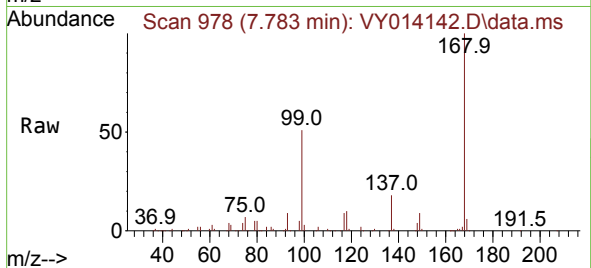




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

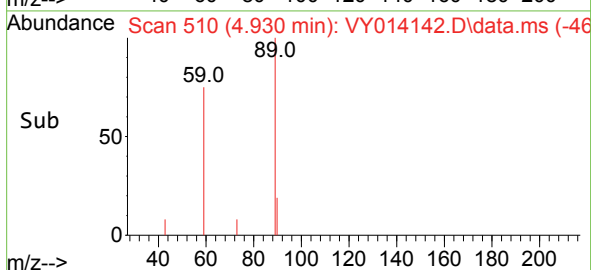
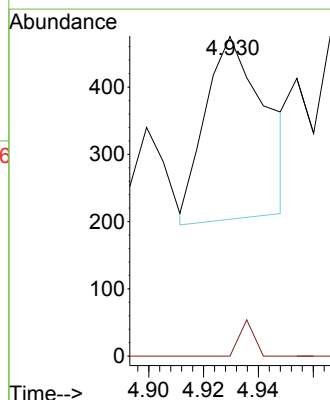
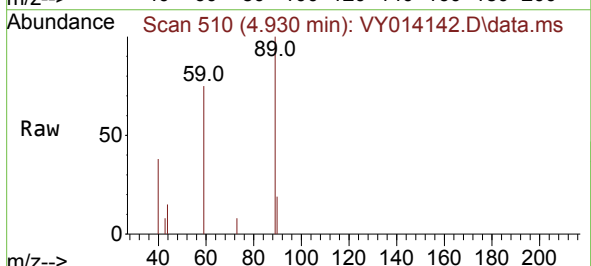
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

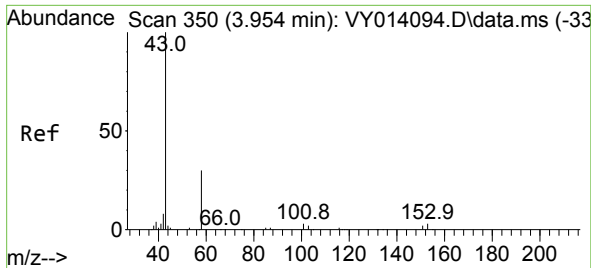
Tgt Ion:168 Resp: 135423
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 4.8 3.0 4.4#





#16

Acetone

Concen: 3.781 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

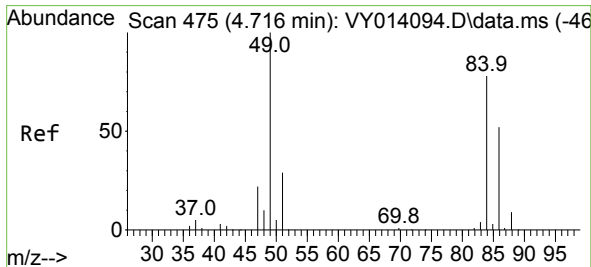
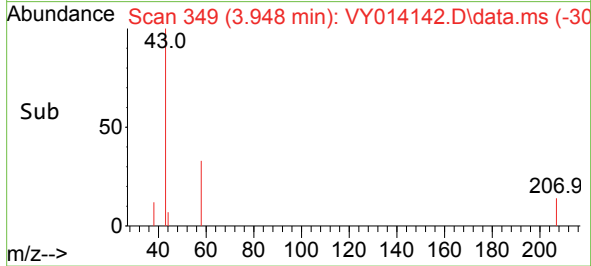
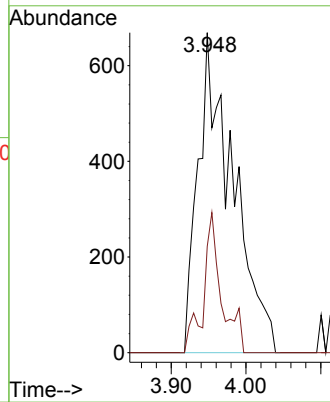
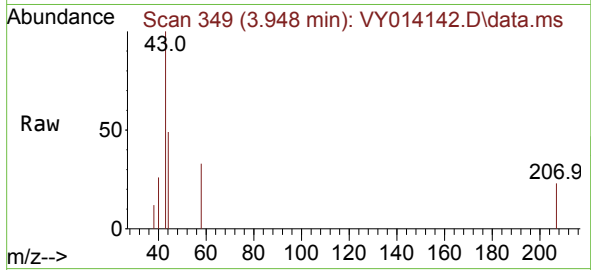
CHRT-24051

Tgt Ion: 43 Resp: 2149

Ion Ratio Lower Upper

43 100

58 33.2 22.7 34.1



#20

Methylene Chloride

Concen: 5.336 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Tgt Ion: 84 Resp: 15495

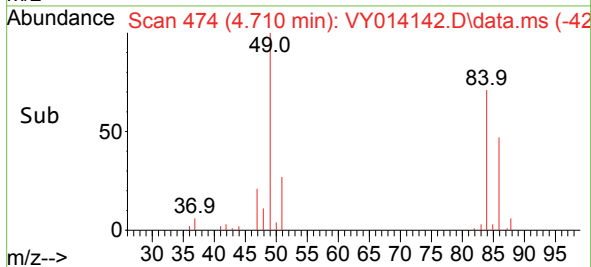
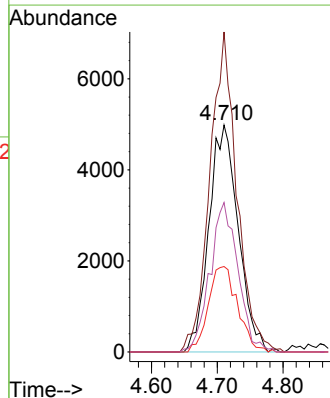
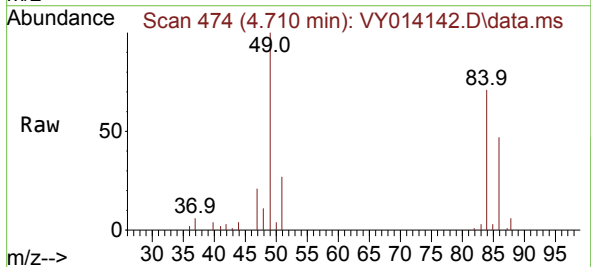
Ion Ratio Lower Upper

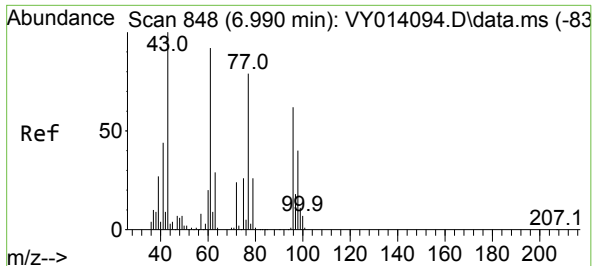
84 100

49 141.1 106.9 160.3

51 37.7 33.2 49.8

86 65.9 51.0 76.6





#25

2-Butanone

Concen: 2.490 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014142.D

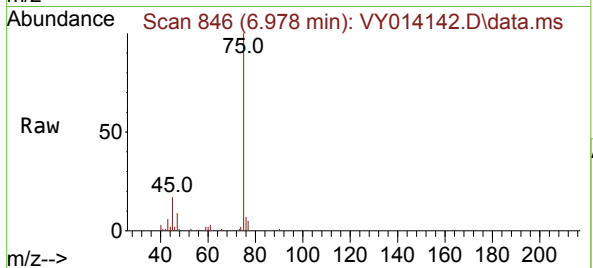
Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

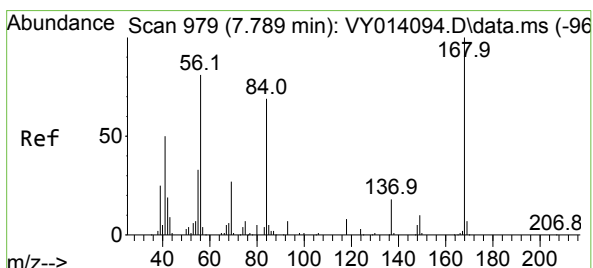
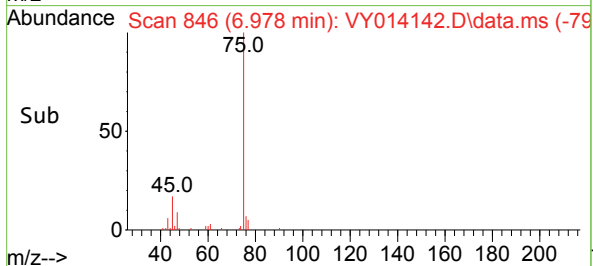
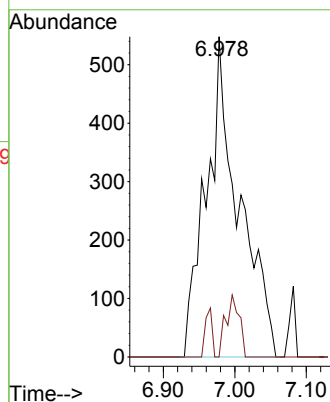


Tgt Ion: 43 Resp: 1742

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

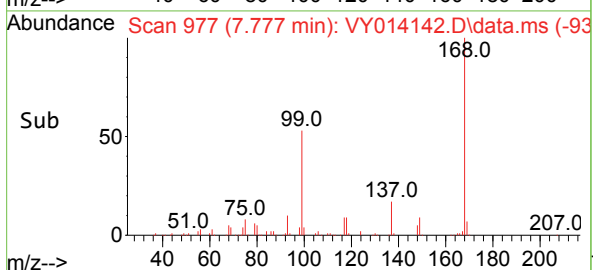
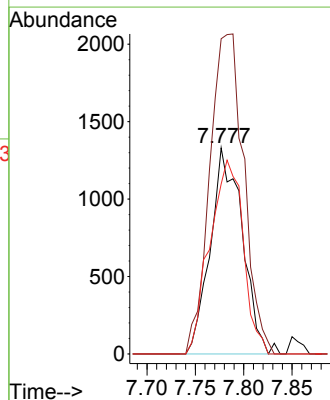
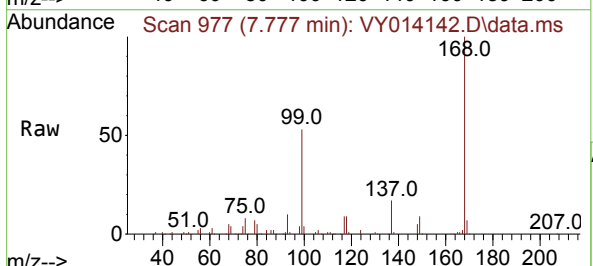
Tgt Ion: 56 Resp: 3057

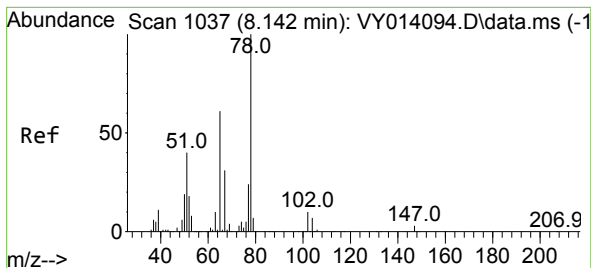
Ion Ratio Lower Upper

56 100

69 152.9 27.8 41.6#

84 82.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 47.106 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

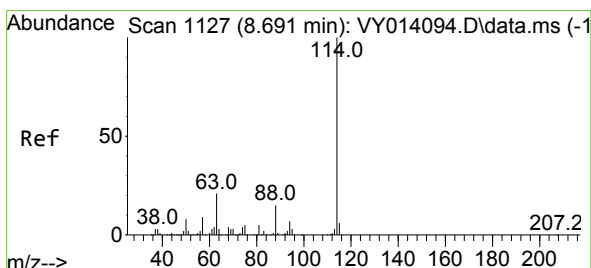
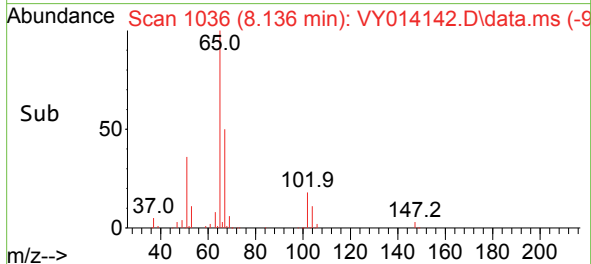
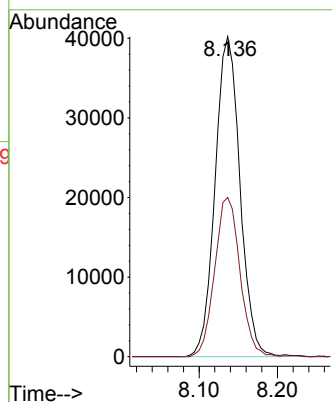
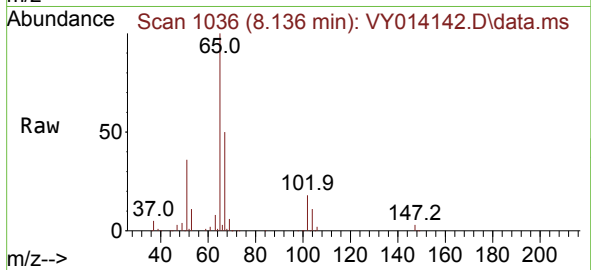
CHRT-24051

Tgt Ion: 65 Resp: 88832

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

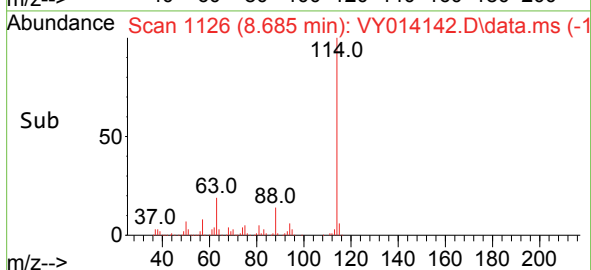
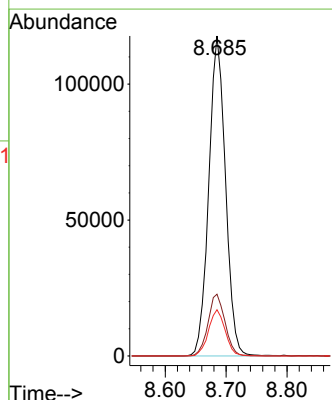
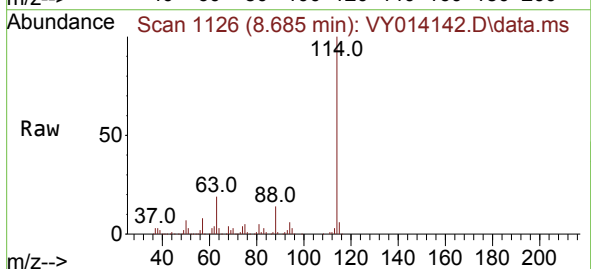
Tgt Ion: 114 Resp: 223989

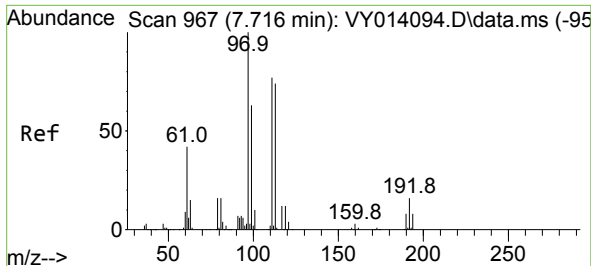
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.4 0.0 30.6

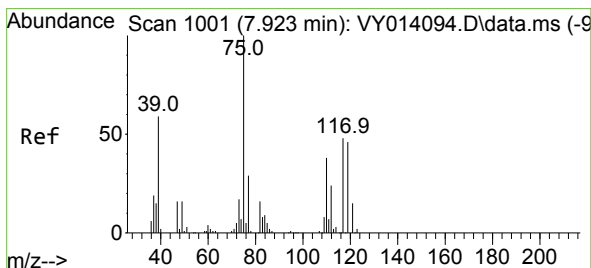
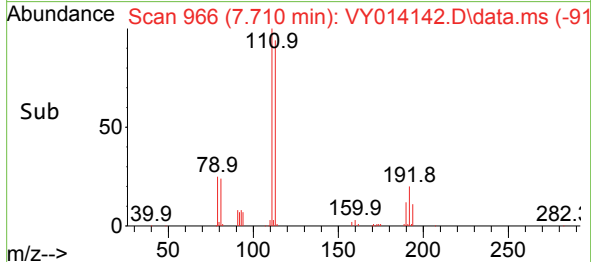
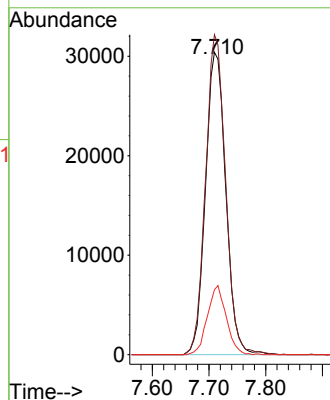
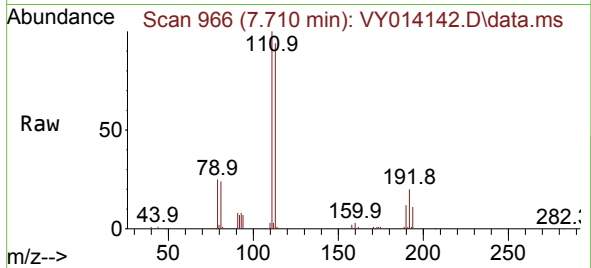




#35
Dibromofluoromethane
Concen: 47.600 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

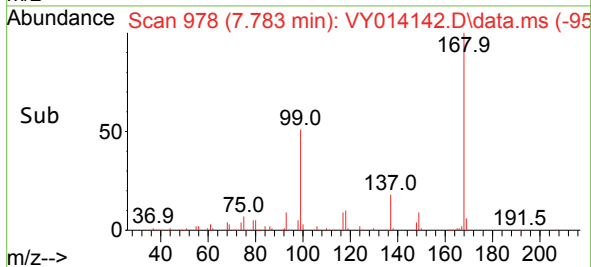
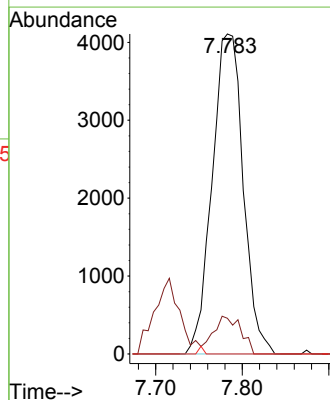
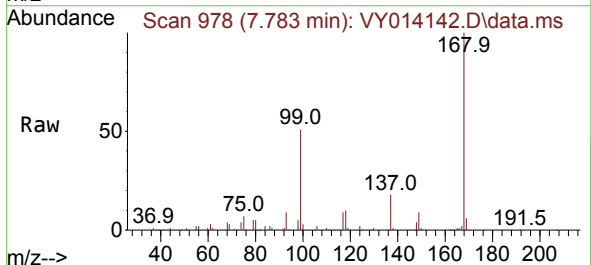
Instrument :
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ClientSampleId :
CHRT-24051

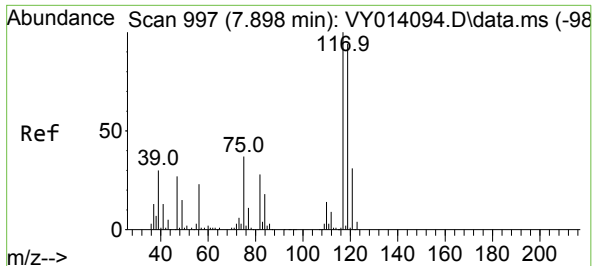
Tgt Ion:113 Resp: 75612
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

Tgt Ion: 75 Resp: 10234
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#

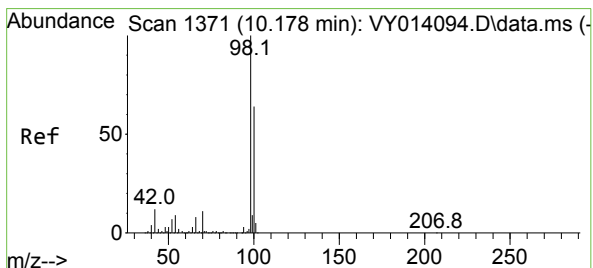
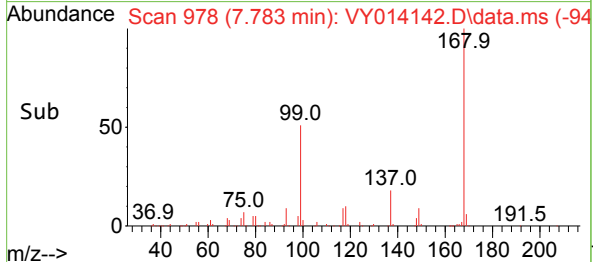
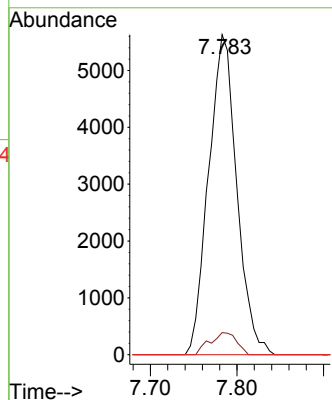
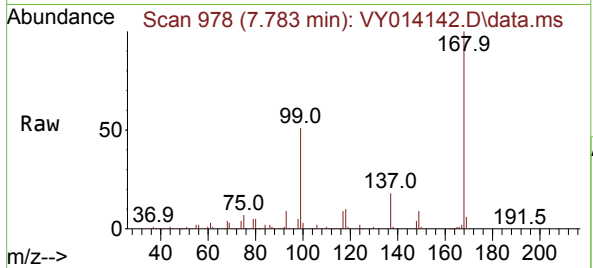




#38
Carbon Tetrachloride
Concen: 4.459 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

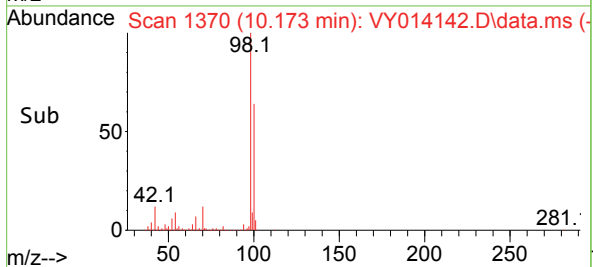
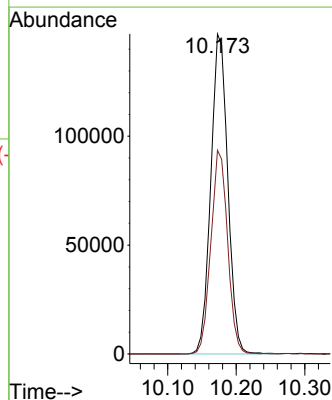
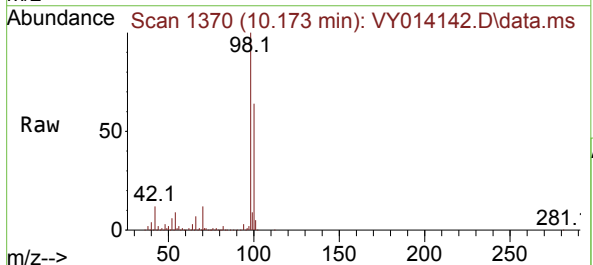
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

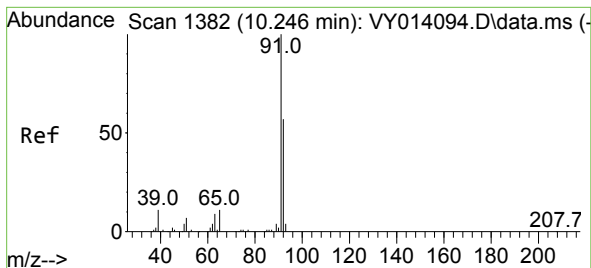
Tgt Ion:117 Resp: 12743
Ion Ratio Lower Upper
117 100
119 6.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 42.668 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

Tgt Ion: 98 Resp: 253393
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1





#52

Toluene

Concen: 4.858 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

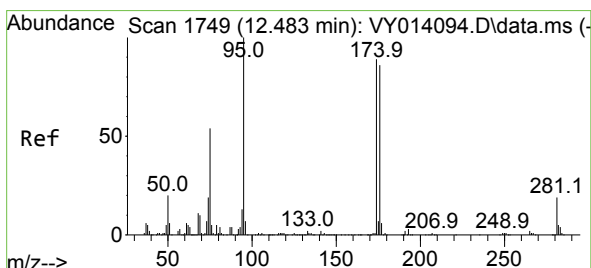
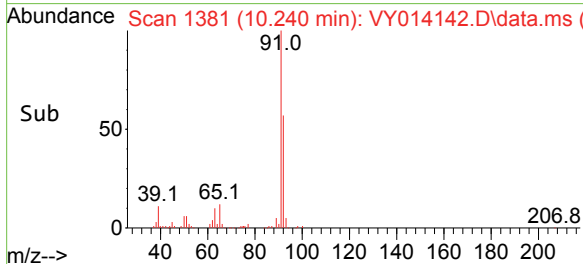
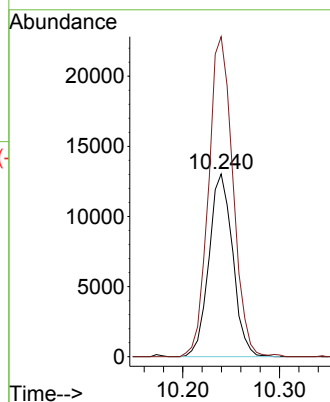
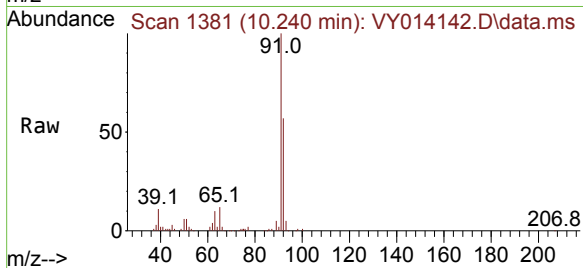
CHRT-24051

Tgt Ion: 92 Resp: 22177

Ion Ratio Lower Upper

92 100

91 180.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 37.492 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

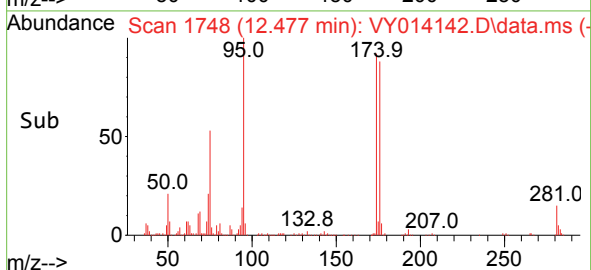
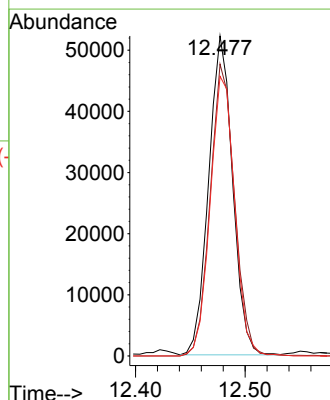
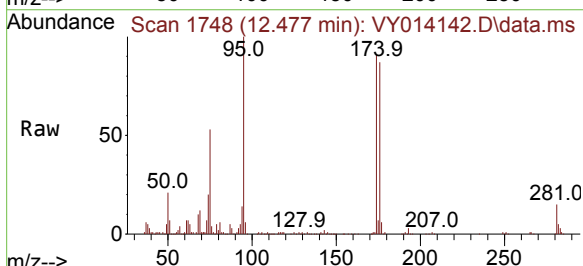
Tgt Ion: 95 Resp: 79092

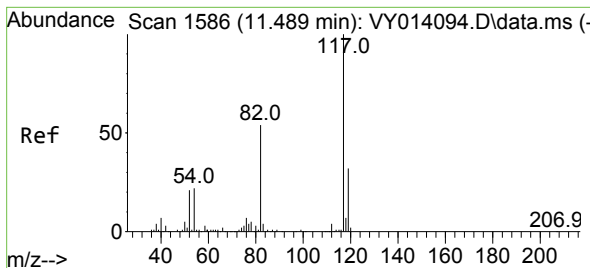
Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.2

176 90.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

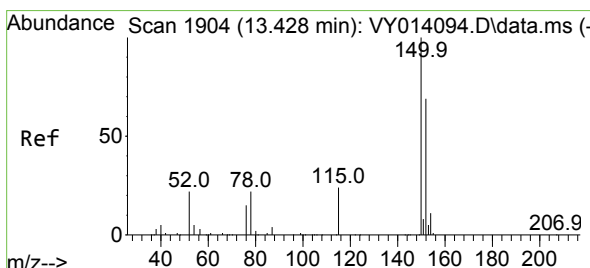
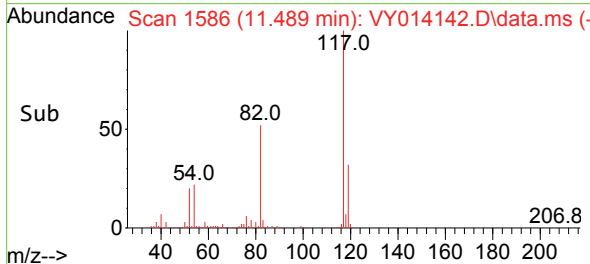
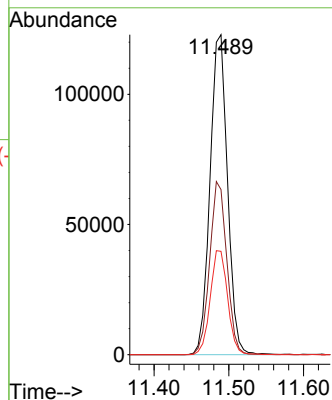
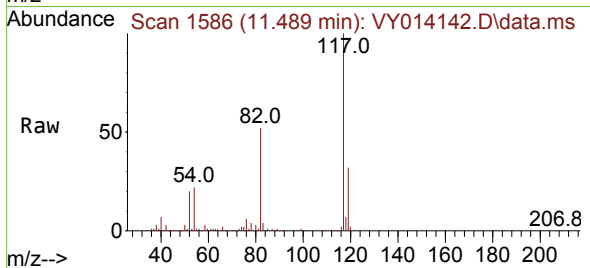
Tgt Ion:117 Resp: 199335

Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

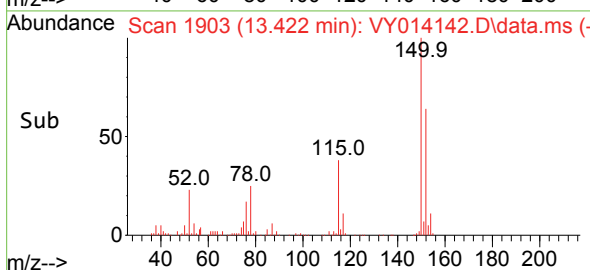
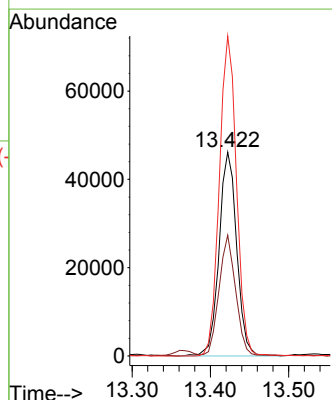
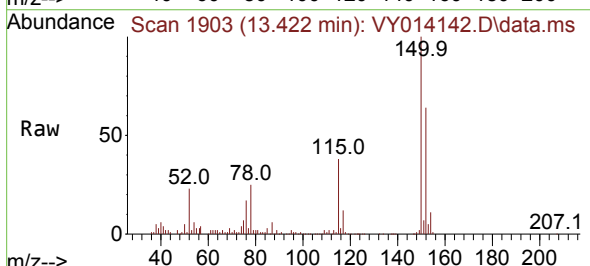
Tgt Ion:152 Resp: 72354

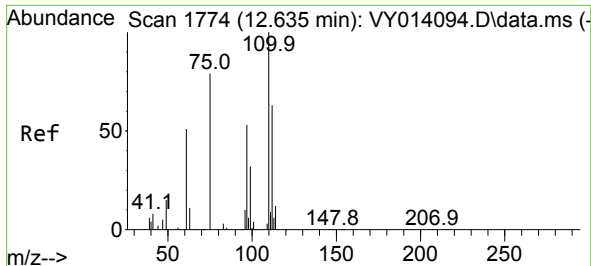
Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 153.0 0.0 348.8

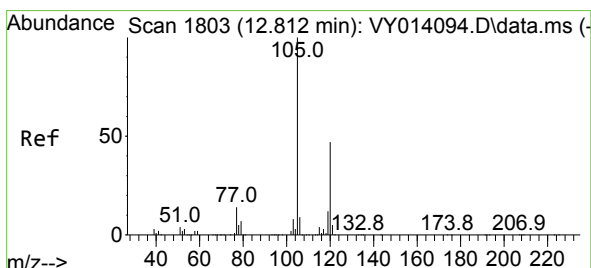
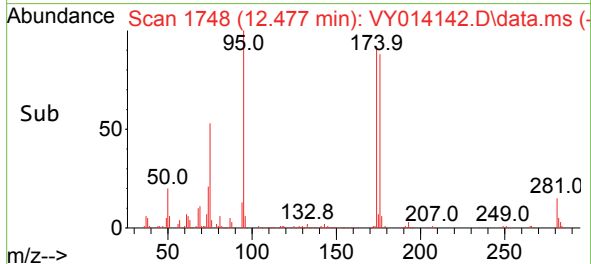
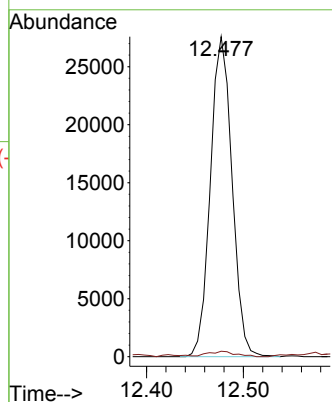
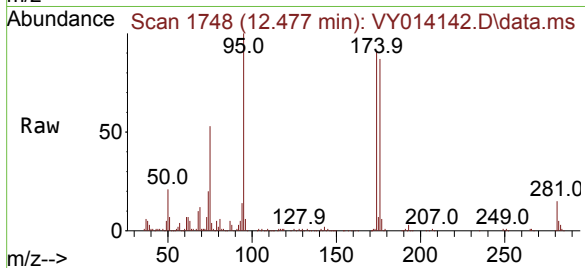




#76
 1,2,3-Trichloropropane
 Concen: 45.310 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014142.D
 Acq: 13 Jun 2023 16:16

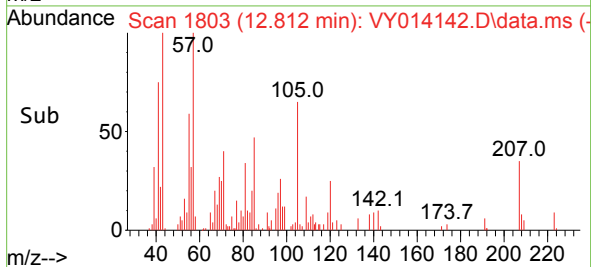
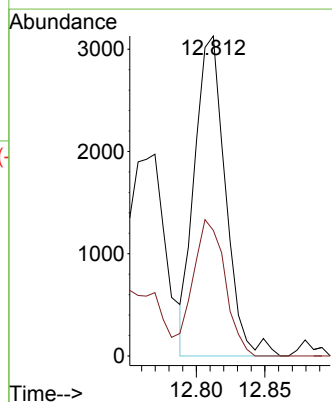
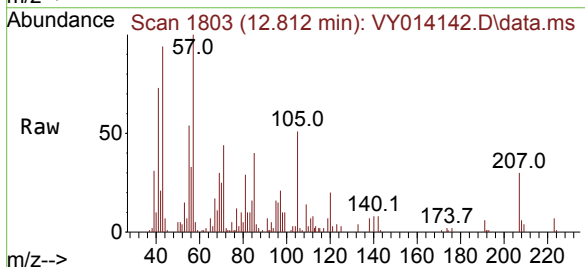
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051

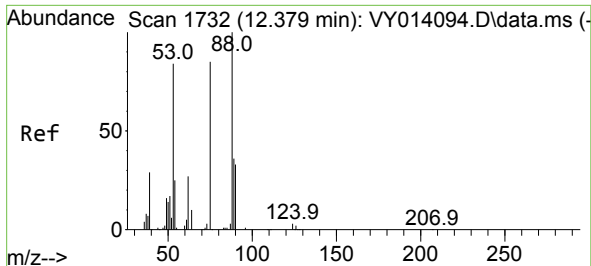
Tgt Ion: 75 Resp: 43011
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.036 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY014142.D
 Acq: 13 Jun 2023 16:16

Tgt Ion: 105 Resp: 4898
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.9 71.7

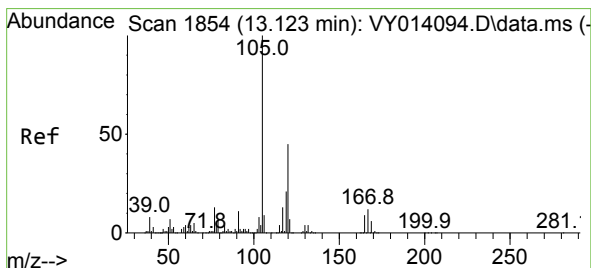
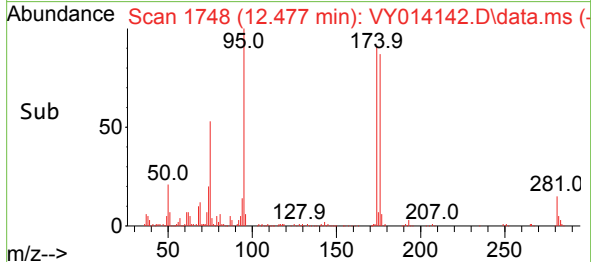
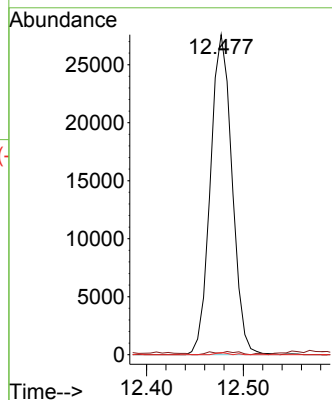
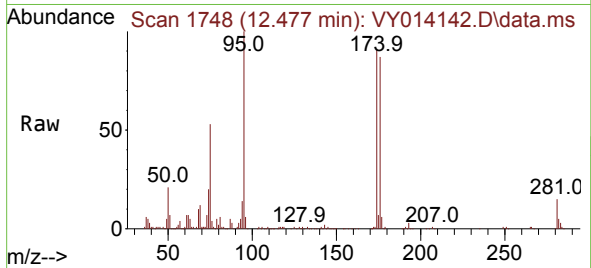




#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.942 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.098 min
 Lab File: VY014142.D
 Acq: 13 Jun 2023 16:16

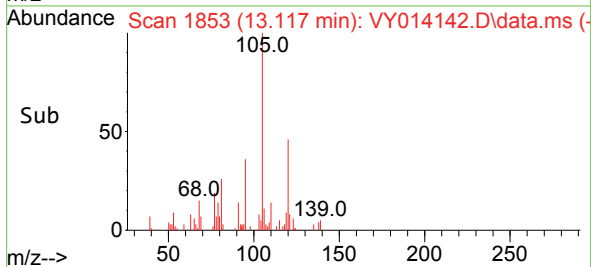
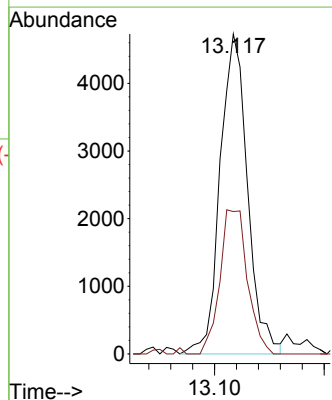
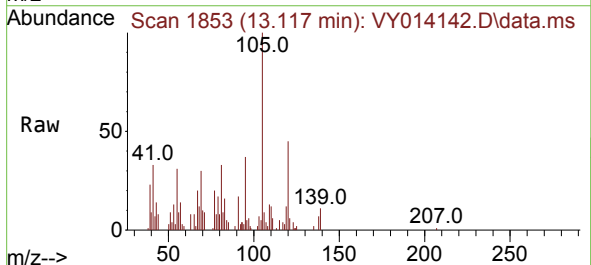
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051

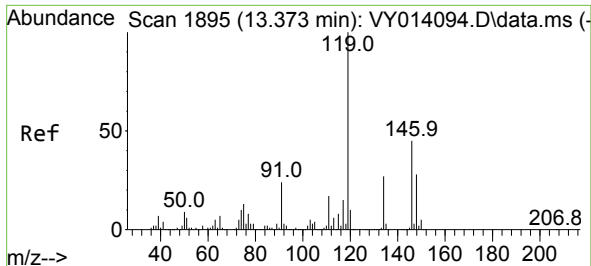
Tgt Ion: 75 Resp: 43011
 Ion Ratio Lower Upper
 75 100
 53 0.6 77.8 116.8#
 89 0.4 37.4 56.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.756 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY014142.D
 Acq: 13 Jun 2023 16:16

Tgt Ion: 105 Resp: 8216
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6

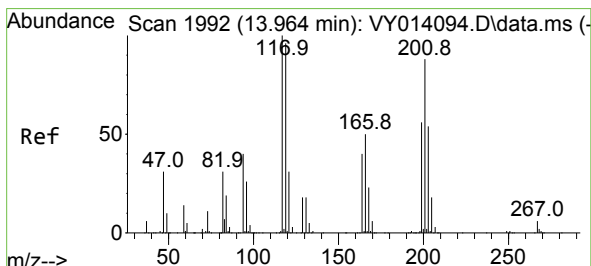
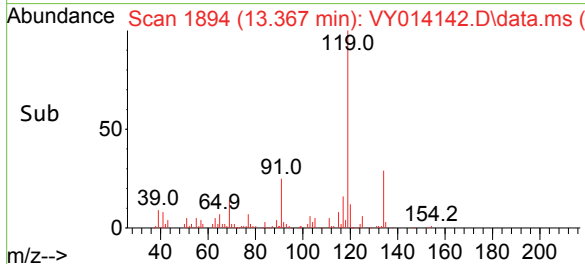
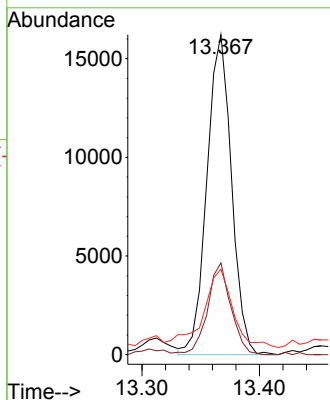
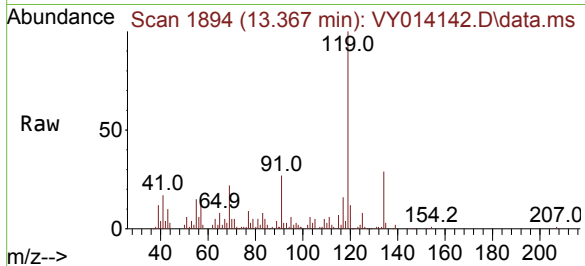




#86
p-Isopropyltoluene
Concen: 4.716 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

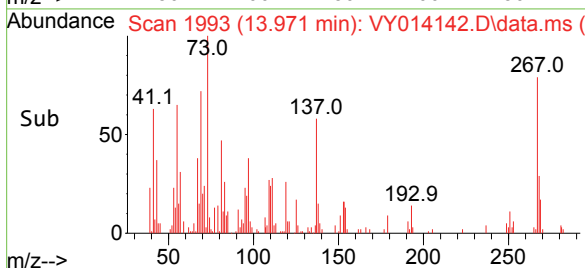
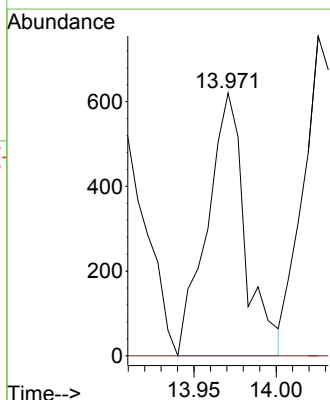
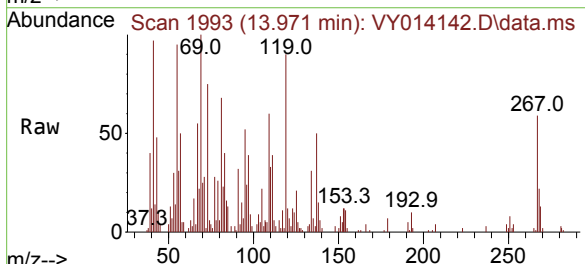
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

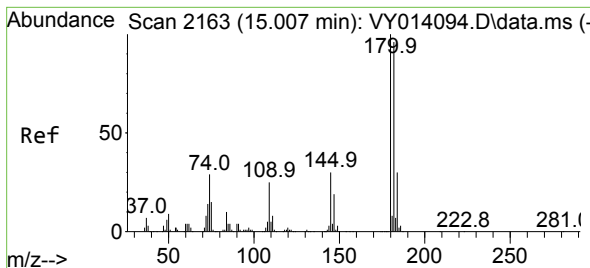
Tgt Ion:119 Resp: 23569
Ion Ratio Lower Upper
119 100
134 26.9 13.3 39.8
91 29.4 12.4 37.4



#90
Hexachloroethane
Concen: 1.003 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.007 min
Lab File: VY014142.D
Acq: 13 Jun 2023 16:16

Tgt Ion:117 Resp: 999
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#





#93

1,2,4-Trichlorobenzene

Concen: 3.352 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

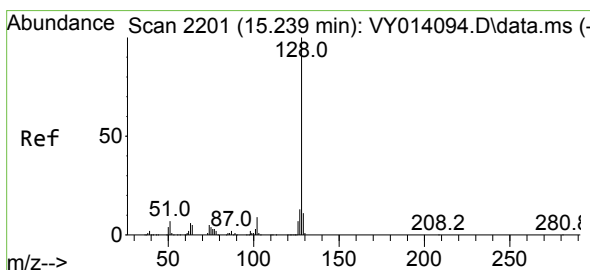
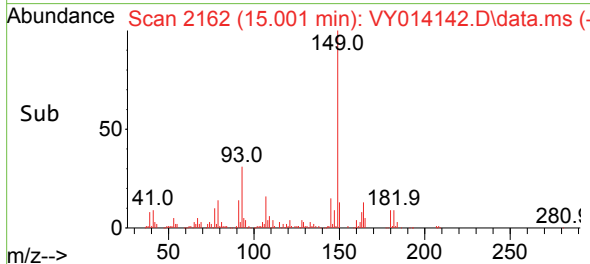
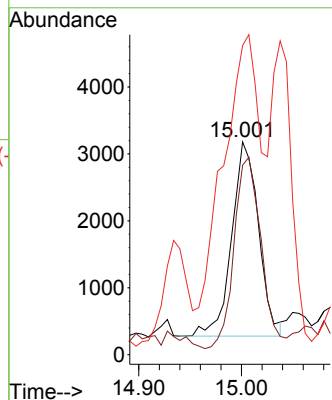
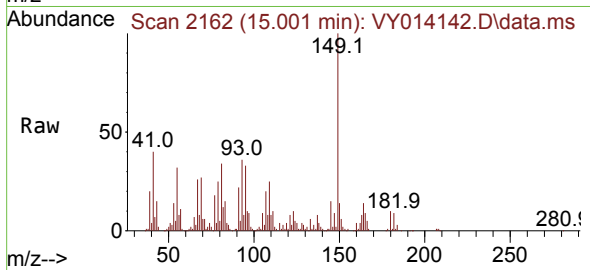
Tgt Ion:180 Resp: 5283

Ion Ratio Lower Upper

180 100

182 99.0 47.0 141.2

145 246.2 14.5 43.5#



#95

Naphthalene

Concen: 1.134 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY014142.D

Acq: 13 Jun 2023 16:16

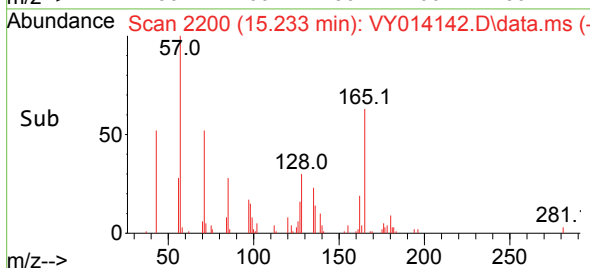
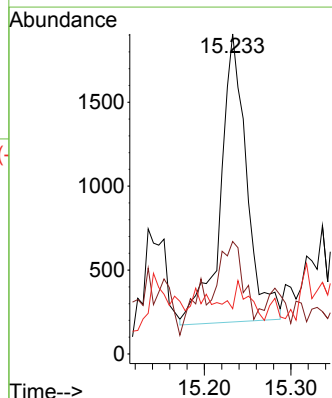
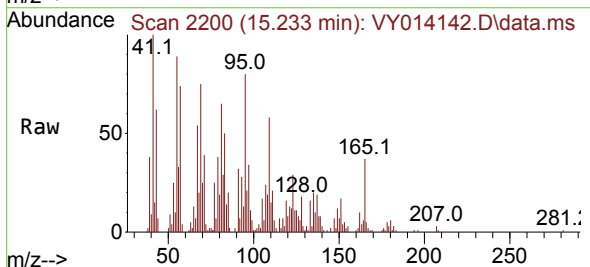
Tgt Ion:128 Resp: 3626

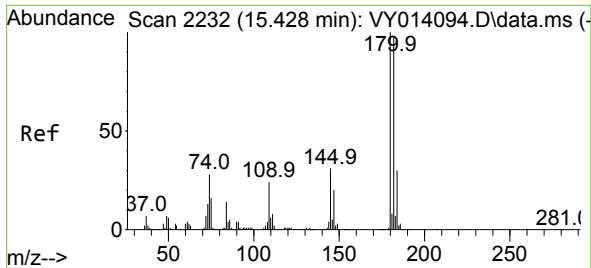
Ion Ratio Lower Upper

128 100

127 19.0 10.8 16.2#

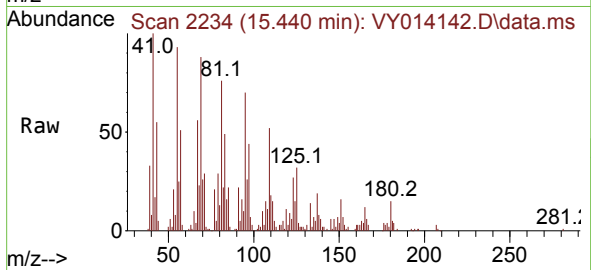
129 6.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.815 ug/l
 RT: 15.440 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY014142.D
 Acq: 13 Jun 2023 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051



Tgt Ion:180 Resp: 2584
 Ion Ratio Lower Upper
 180 100
 182 71.7 47.3 141.8
 145 0.0 15.4 46.2#

