

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081722\
 Data File : VY010063.D
 Acq On : 17 Aug 2022 13:07
 Operator : KP/MD
 Sample : N4143-03
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051

Quant Time: Aug 17 14:57:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

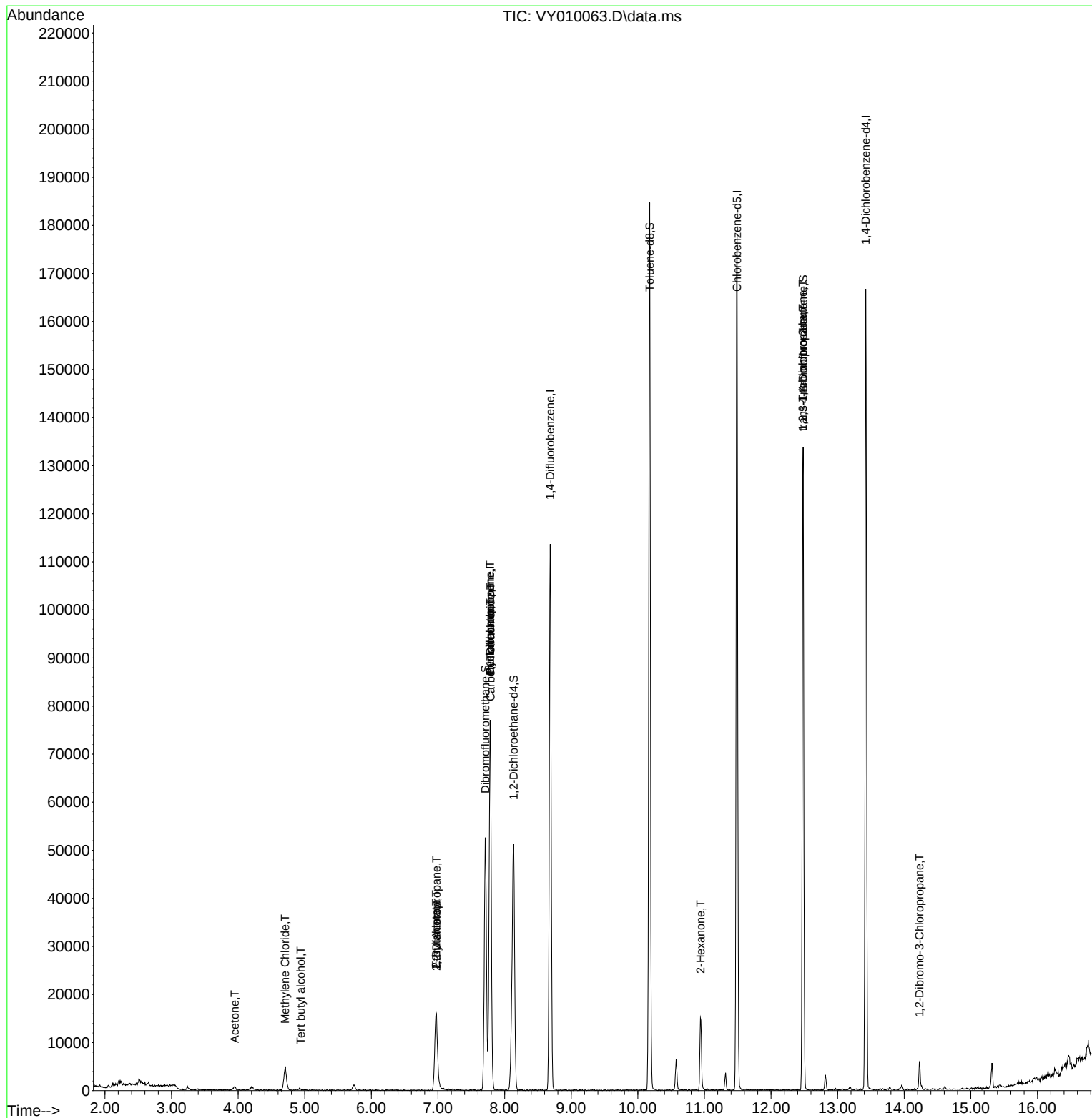
Internal Standards						
1) Pentafluorobenzene	7.783	168	62374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	99177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	99805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	44660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36952	59.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.500%	
35) Dibromofluoromethane	7.710	113	34754	54.036	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.080%	
50) Toluene-d8	10.179	98	120895	50.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	12.483	95	37637	45.032	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	400	6.595	ug/l #	74
16) Acetone	3.948	43	1320	9.882	ug/l	93
20) Methylene Chloride	4.704	84	3639	2.700	ug/l	89
25) 2-Butanone	6.972	43	841	4.602	ug/l #	48
26) 2,2-Dichloropropane	6.978	77	1249	1.266	ug/l #	53
31) Cyclohexane	7.783	56	1230	1.396	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	4209	4.698	ug/l #	49
37) Ethyl Acetate	6.972	43	841	1.864	ug/l #	1
38) Carbon Tetrachloride	7.789	117	5859	5.317	ug/l #	18
59) 2-Hexanone	10.941	43	75	24.342	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	19466	45.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	19466	103.917	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.227	75	209	2.191	ug/l #	1

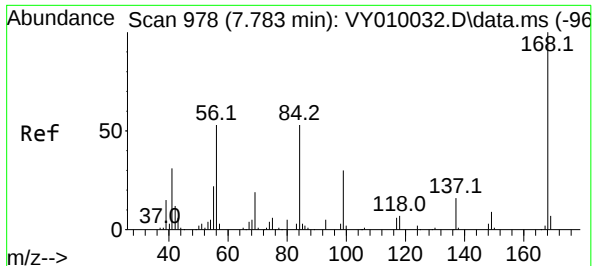
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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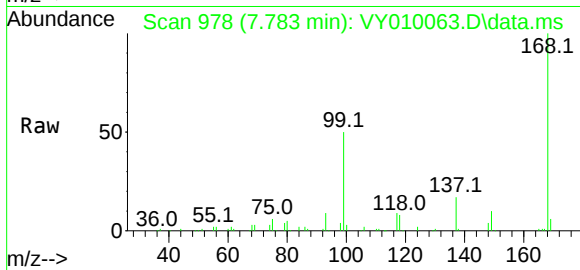
Quant Time: Aug 17 14:57:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 17 05:12:02 2022
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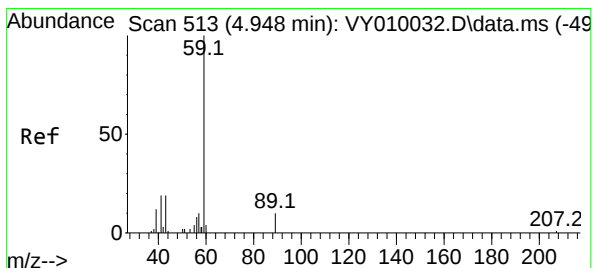
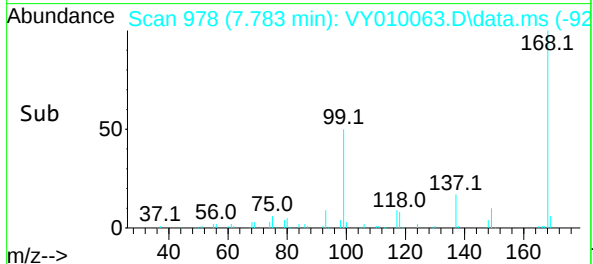
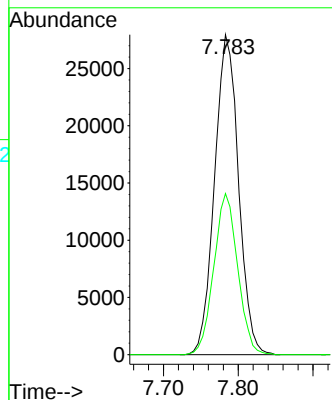


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

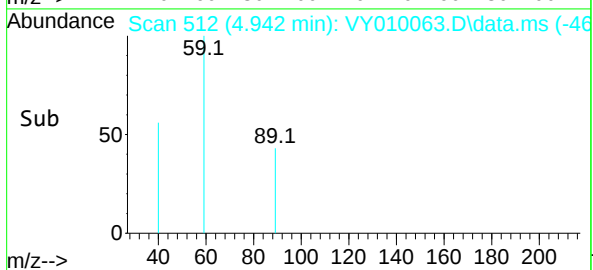
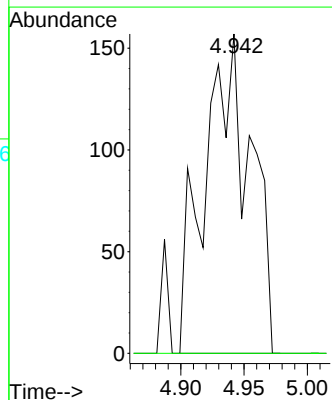
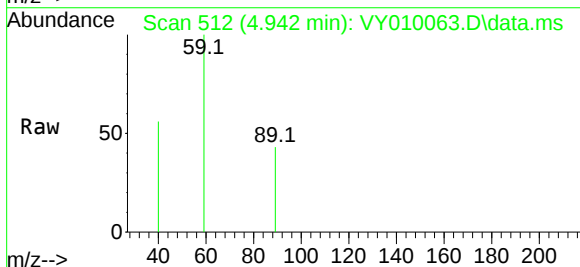


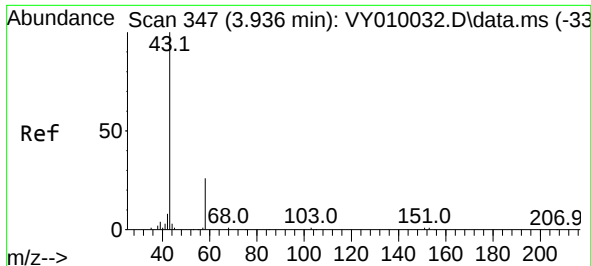
Tgt Ion:168 Resp: 62374
Ion Ratio Lower Upper
168 100
99 50.3 37.7 56.5



#11
Tert butyl alcohol
Concen: 6.595 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

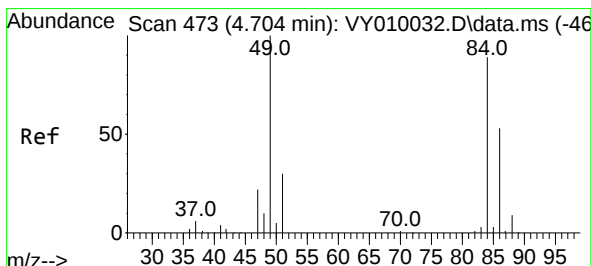
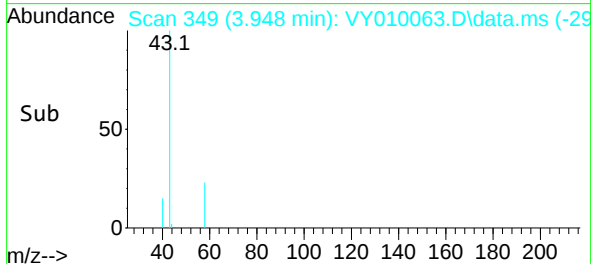
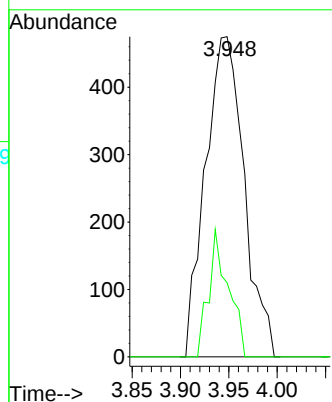
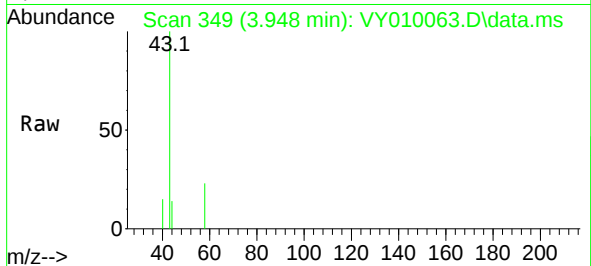




#16
Acetone
Concen: 9.882 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

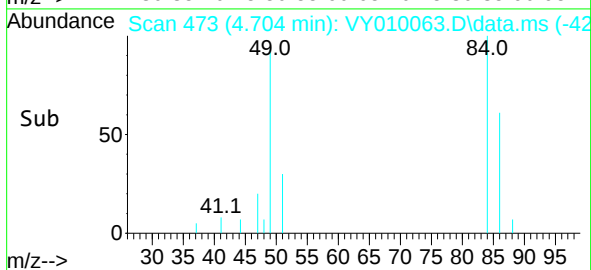
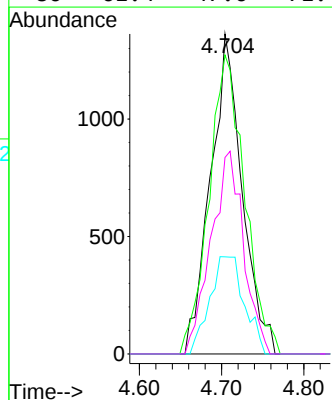
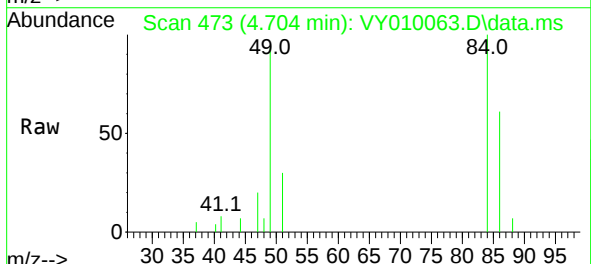
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

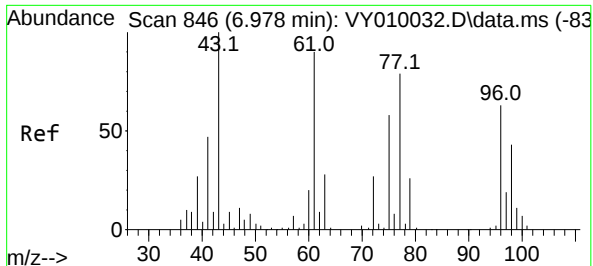
Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 23.2 21.4 32.0



#20
Methylene Chloride
Concen: 2.700 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion: 84 Resp: 3639
Ion Ratio Lower Upper
84 100
49 93.4 89.5 134.3
51 30.3 26.8 40.2
86 61.4 47.6 71.4





#25

2-Butanone

Concen: 4.602 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010063.D

Acq: 17 Aug 2022 13:07

Instrument :

MSVOA_Y

ClientSampleId :

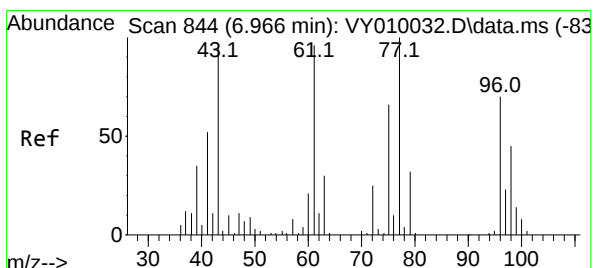
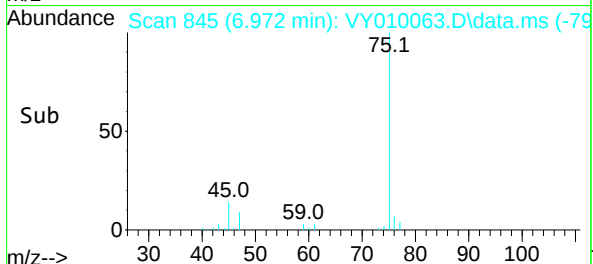
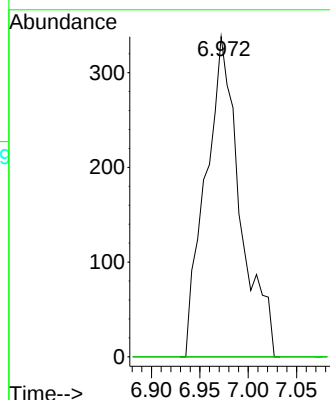
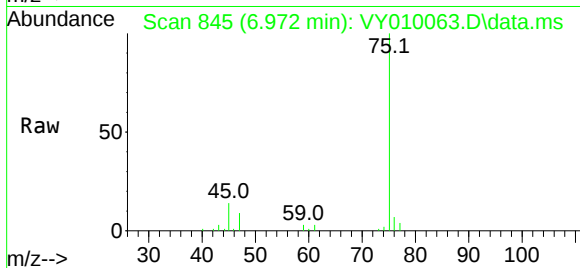
CHRT-24051

Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 1.266 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY010063.D

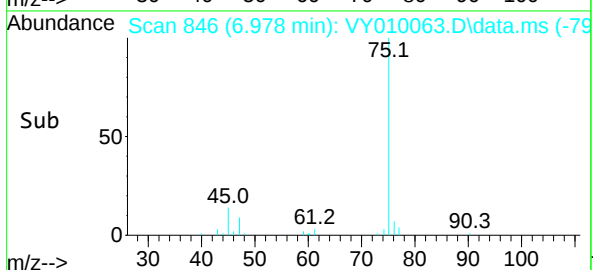
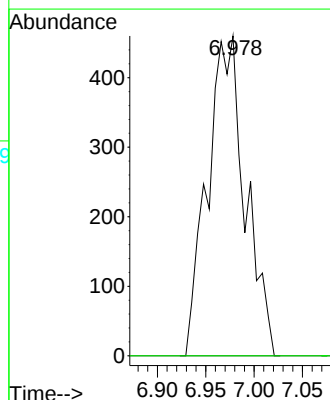
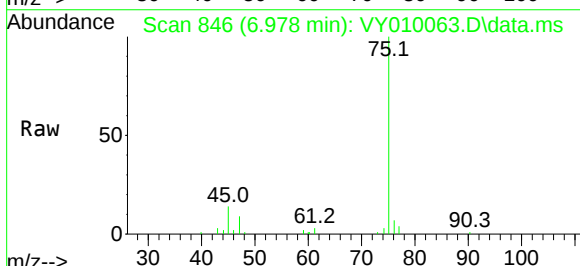
Acq: 17 Aug 2022 13:07

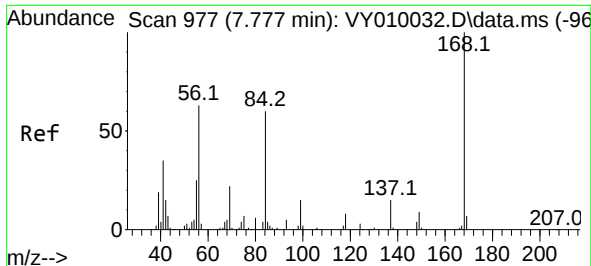
Tgt Ion: 77 Resp: 1249

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

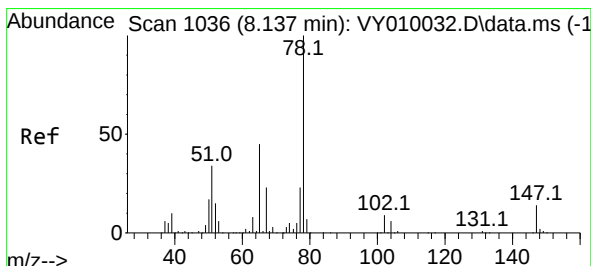
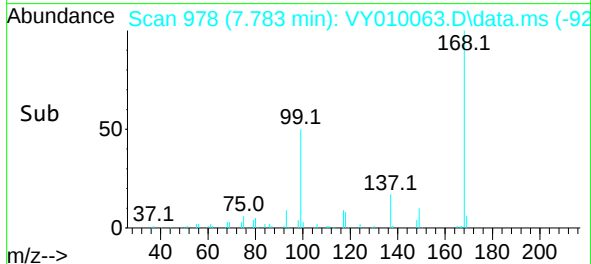
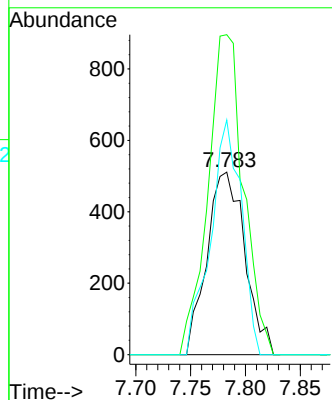
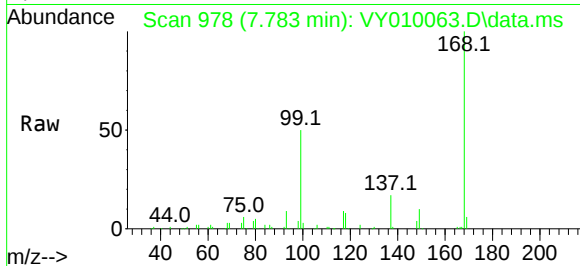




#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

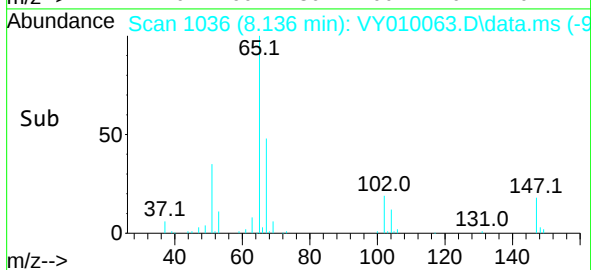
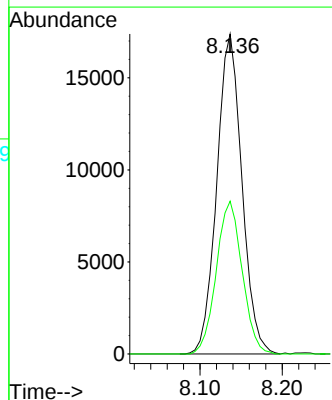
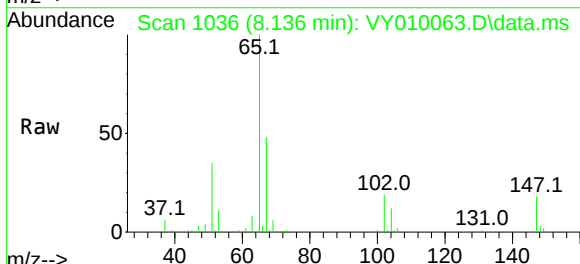
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

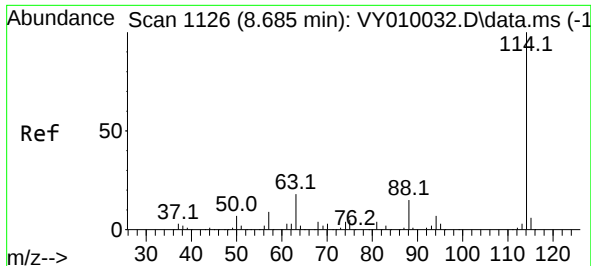
Tgt Ion: 56 Resp: 1230
Ion Ratio Lower Upper
56 100
69 175.3 28.6 43.0#
84 128.6 76.0 114.0#



#33
1,2-Dichloroethane-d4
Concen: 59.251 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion: 65 Resp: 36952
Ion Ratio Lower Upper
65 100
67 49.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010063.D

Acq: 17 Aug 2022 13:07

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

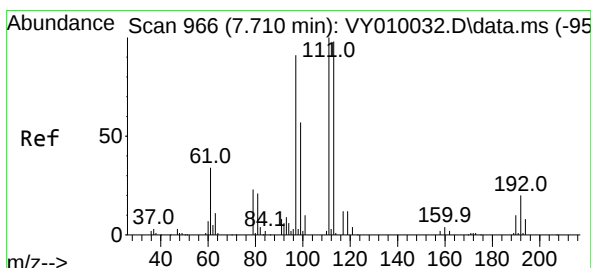
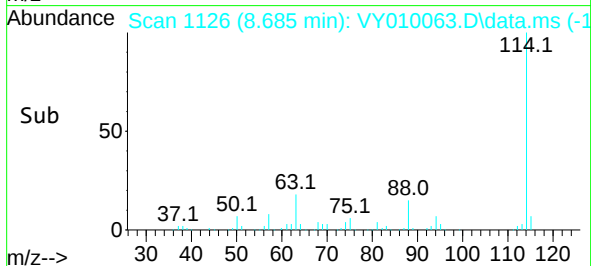
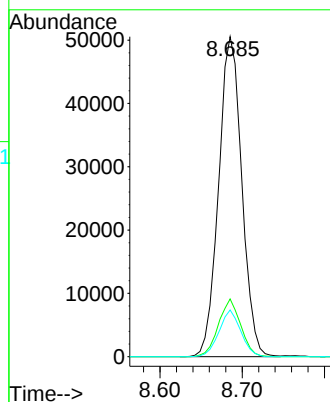
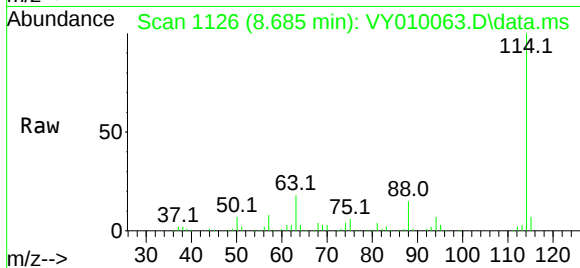
Tgt Ion:114 Resp: 99177

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 54.036 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010063.D

Acq: 17 Aug 2022 13:07

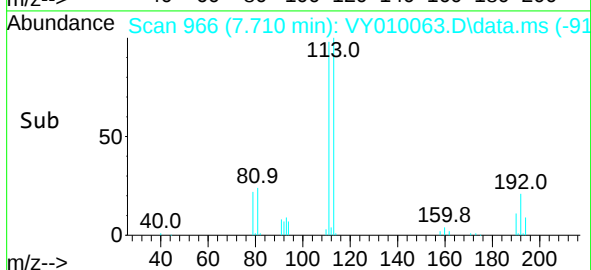
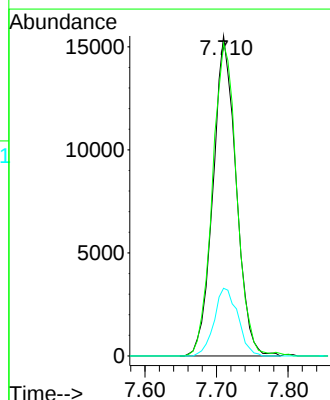
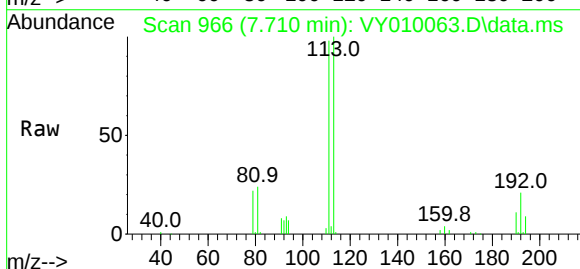
Tgt Ion:113 Resp: 34754

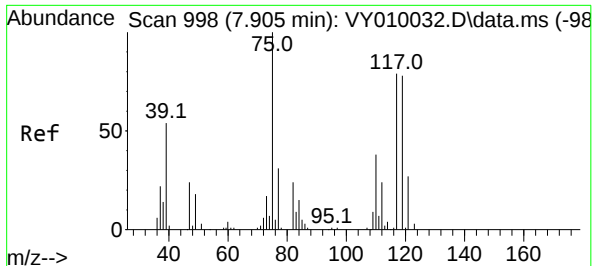
Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 21.7 17.2 25.8

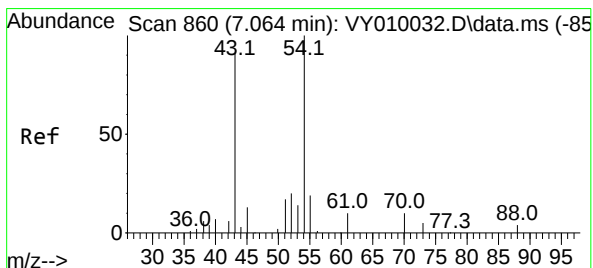
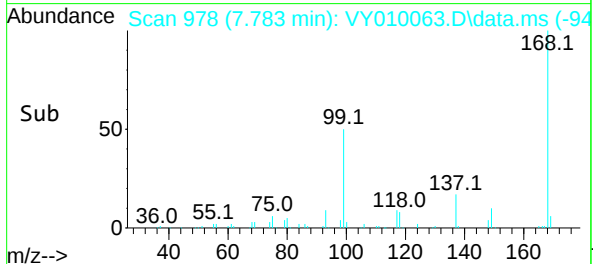
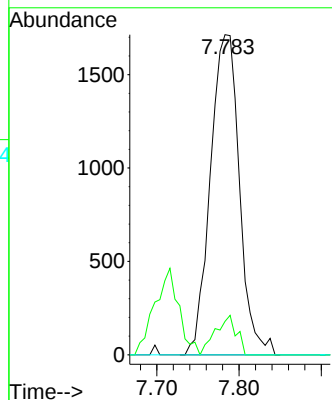
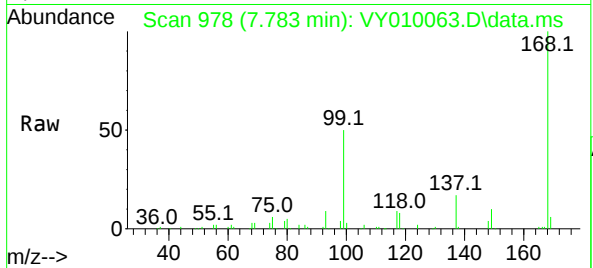




#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

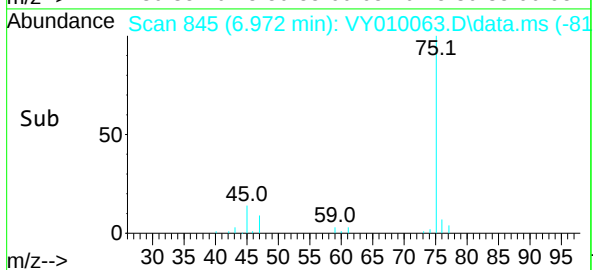
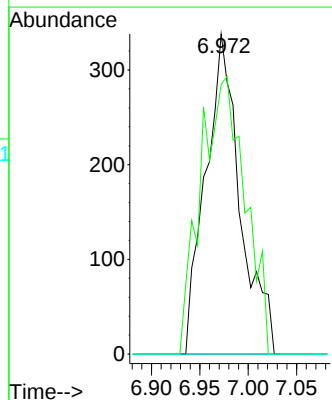
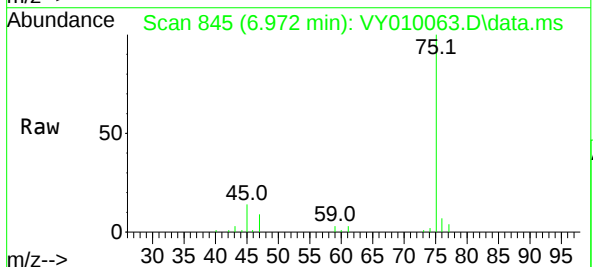
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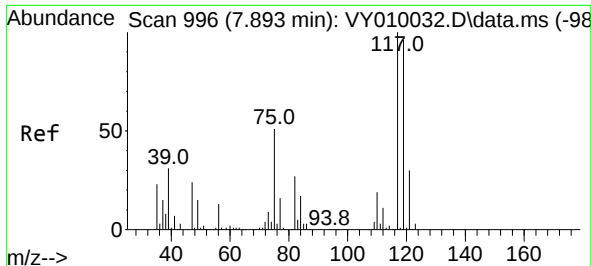
Tgt Ion: 75 Resp: 4209
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.864 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.092 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

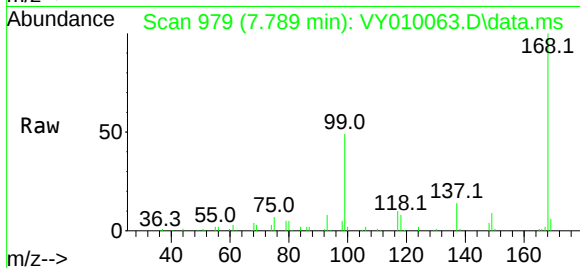
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
61 111.4 9.6 14.4#
70 0.0 7.9 11.9#



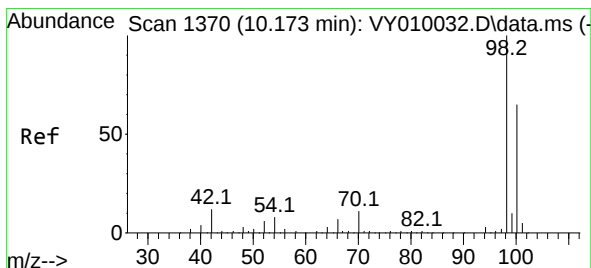
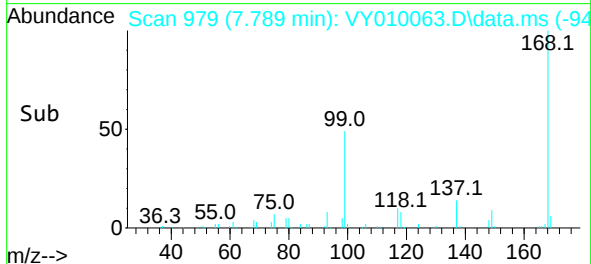
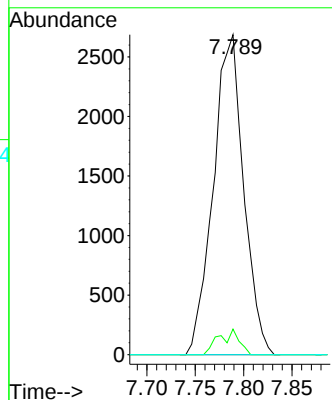


#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

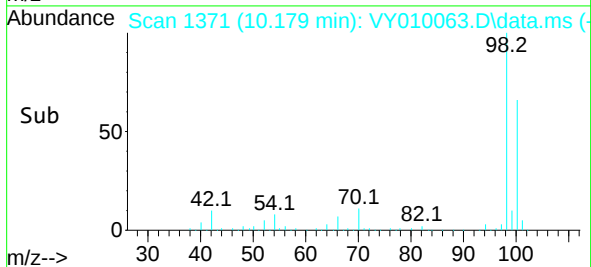
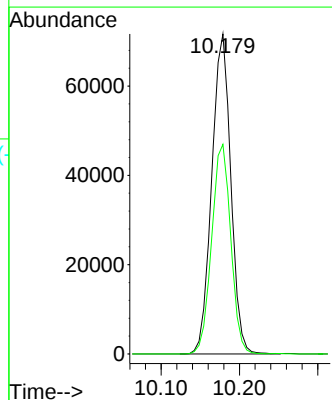
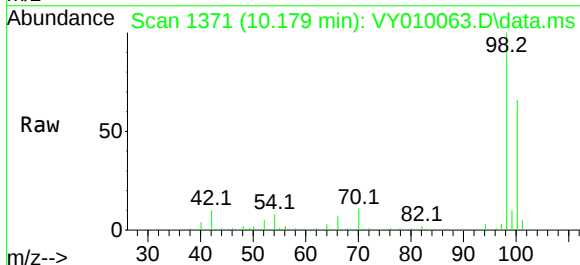


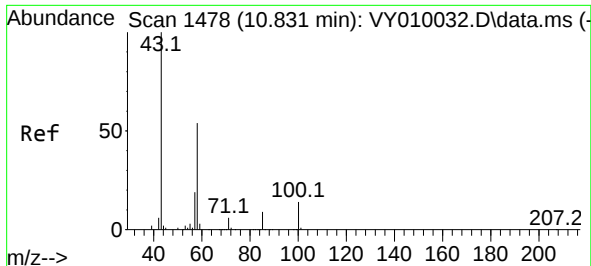
Tgt Ion:117 Resp: 5859
Ion Ratio Lower Upper
117 100
119 8.0 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.806 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion: 98 Resp: 120895
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1

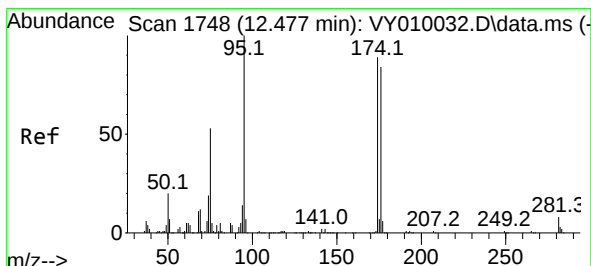
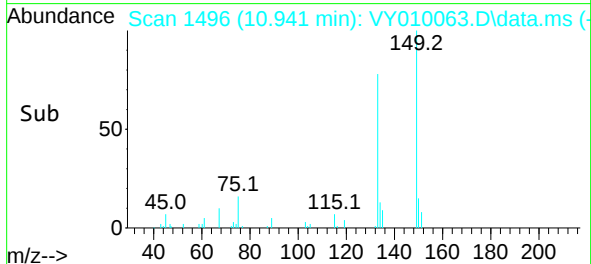
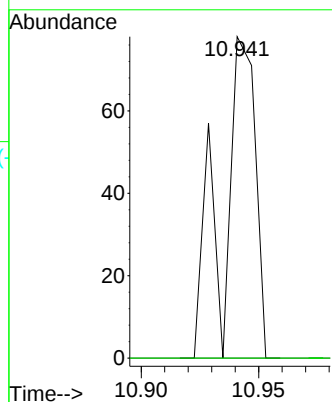
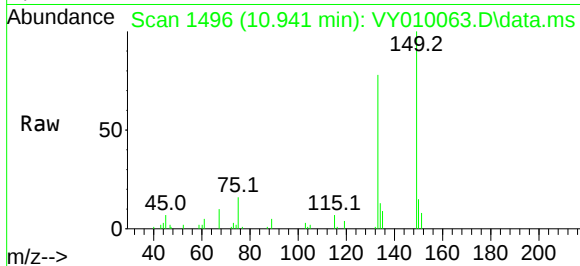




#59
2-Hexanone
Concen: 24.342 ug/l
RT: 10.941 min Scan# 1478
Delta R.T. 0.110 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

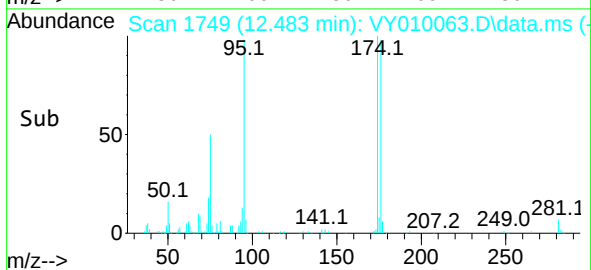
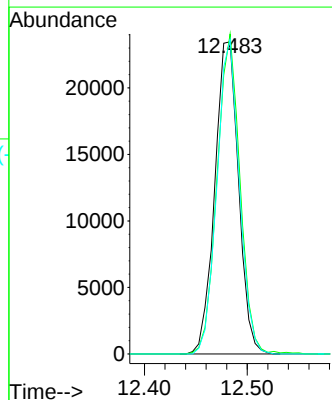
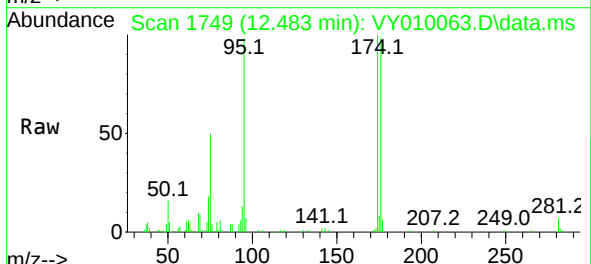
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

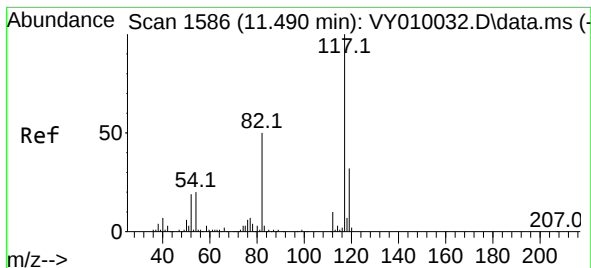
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 45.032 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion: 95 Resp: 37637
Ion Ratio Lower Upper
95 100
174 98.6 0.0 184.2
176 94.9 0.0 178.4

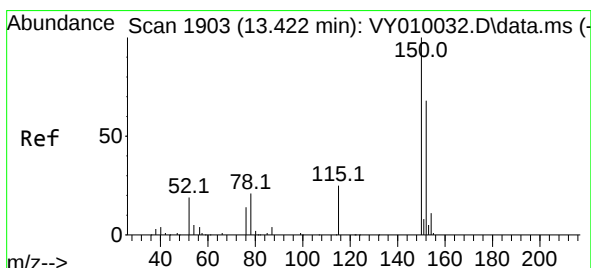
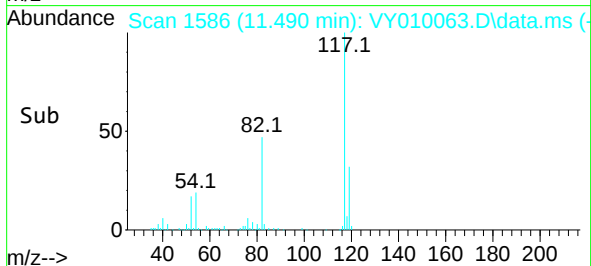
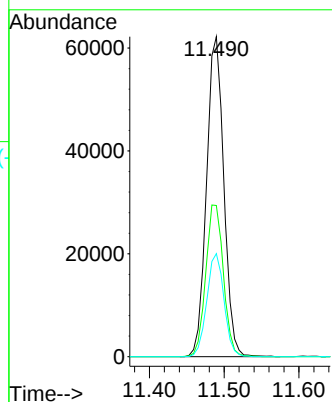
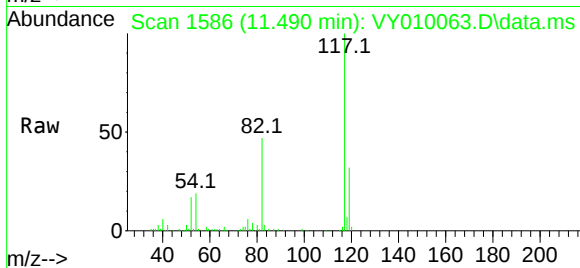




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

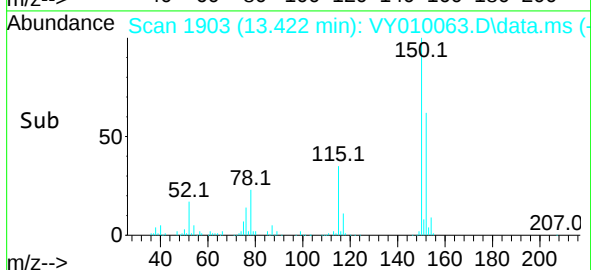
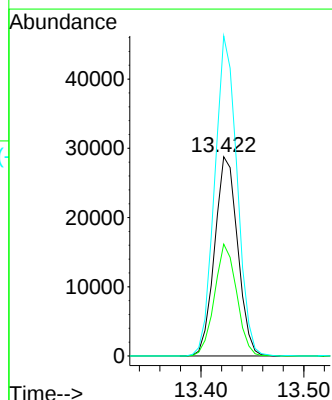
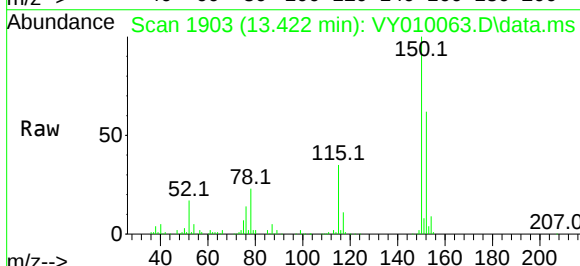
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

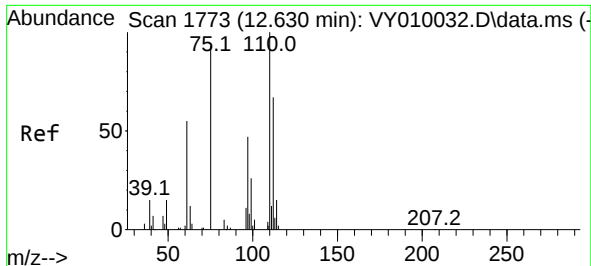
Tgt Ion:	117	Resp:	99805
Ion	Ratio	Lower	Upper
117	100		
82	47.3	39.8	59.6
119	32.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

Tgt Ion:	152	Resp:	44660
Ion	Ratio	Lower	Upper
152	100		
115	54.2	28.1	84.3
150	156.7	0.0	346.6

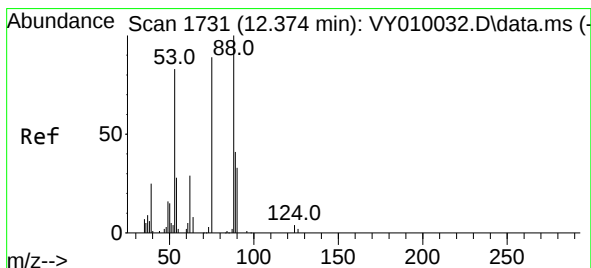
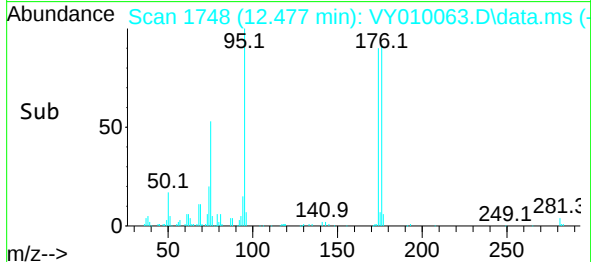
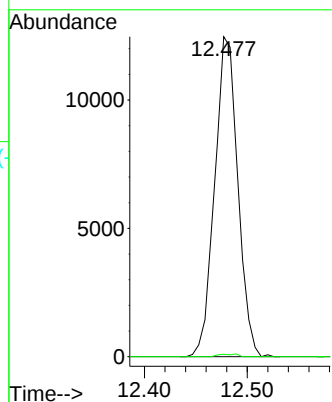
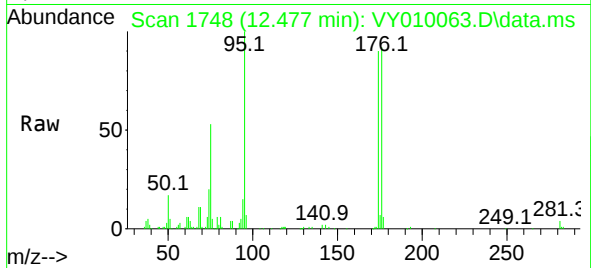




#76
1,2,3-Trichloropropane
Concen: 45.983 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

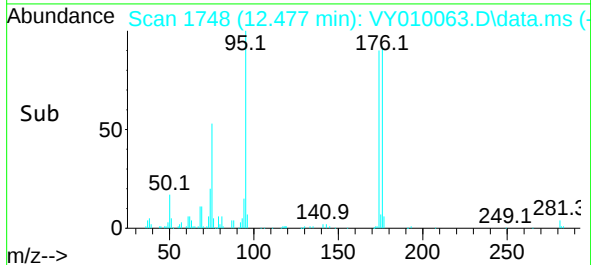
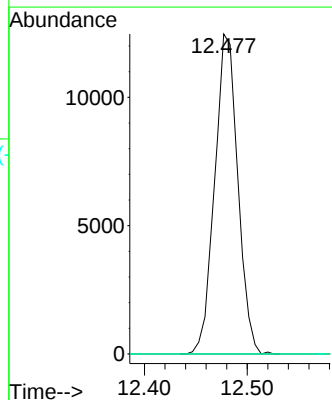
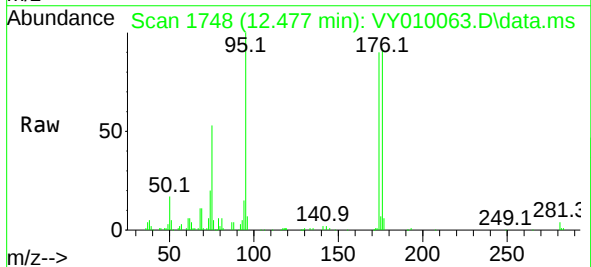
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

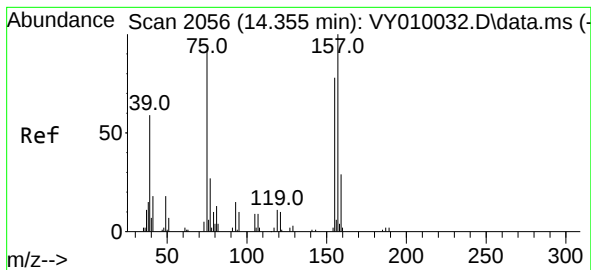
Tgt Ion: 75 Resp: 19466
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.917 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010063.D
Acq: 17 Aug 2022 13:07

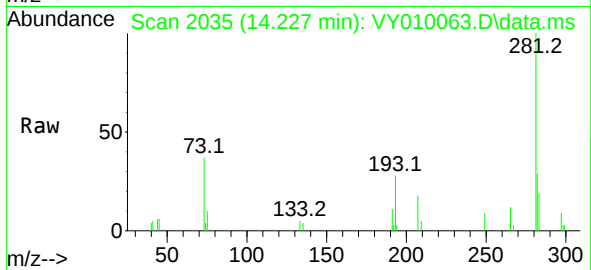
Tgt Ion: 75 Resp: 19466
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.191 ug/l
 RT: 14.227 min Scan# 2056
 Delta R.T. -0.128 min
 Lab File: VY010063.D
 Acq: 17 Aug 2022 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051



Tgt Ion: 75 Resp: 209
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.6#
 157 0.0 59.7 179.0#

