

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014143.D
 Acq On : 13 Jun 2023 16:39
 Operator : KP/MD
 Sample : 03154-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-26598

Quant Time: Jun 14 01:37:07 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)

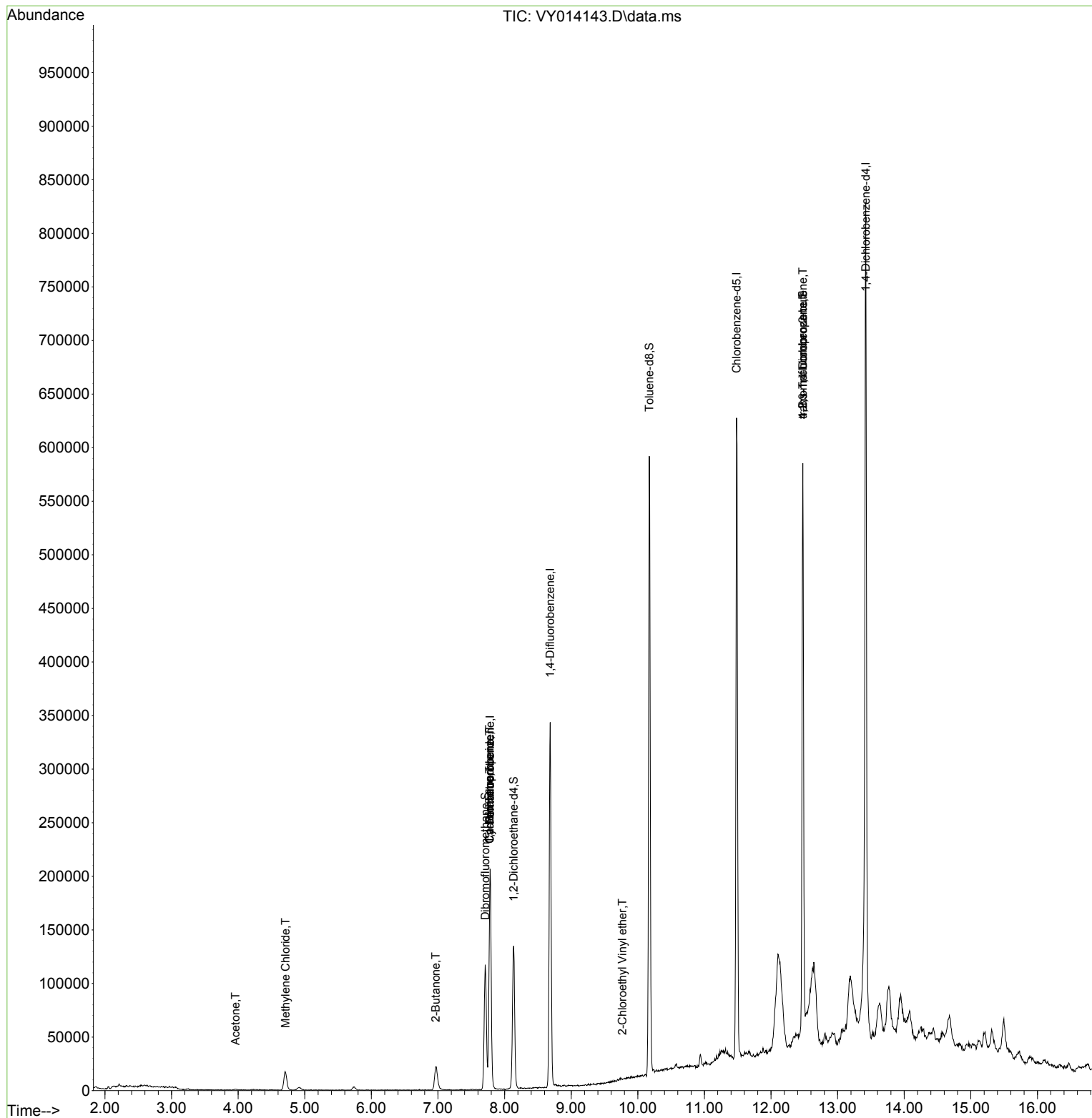
Internal Standards						
1) Pentafluorobenzene	7.783	168	156322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	277879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	321555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113299	52.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.100%	
35) Dibromofluoromethane	7.710	113	79560	40.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.740%	
50) Toluene-d8	10.173	98	369576	50.163	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.477	95	154054	58.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 117.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.899	59	1195	Below Cal	#	89
13) Acrolein	3.735	56	19	Below Cal	#	14
16) Acetone	3.960	43	1659	2.528	ug/l #	83
20) Methylene Chloride	4.710	84	12755	2.697	ug/l #	94
25) 2-Butanone	6.966	43	1789	2.215	ug/l #	77
31) Cyclohexane	7.777	56	3581	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	11714	3.813	ug/l #	52
38) Carbon Tetrachloride	7.777	117	14903	4.204	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.770	63	50	28.657	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	83771	37.473	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83771	81.002	ug/l #	11

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

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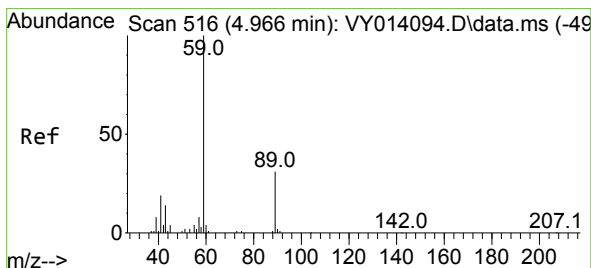
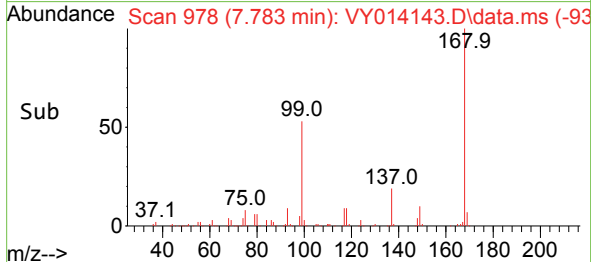
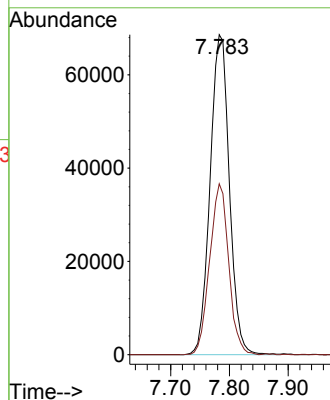
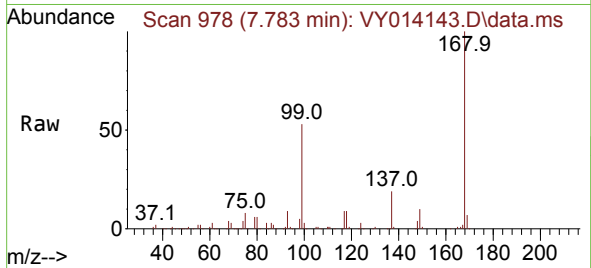




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

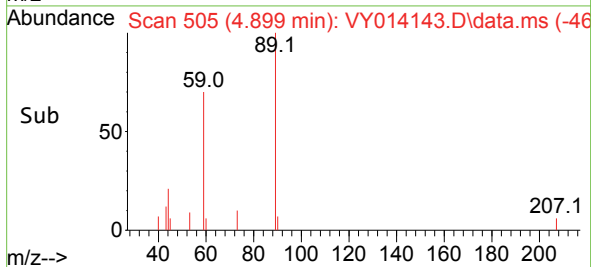
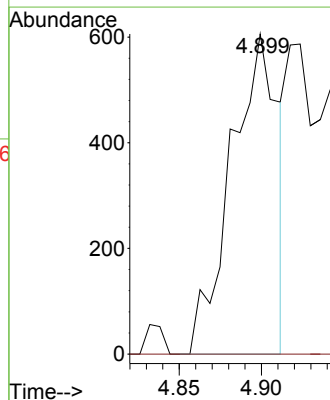
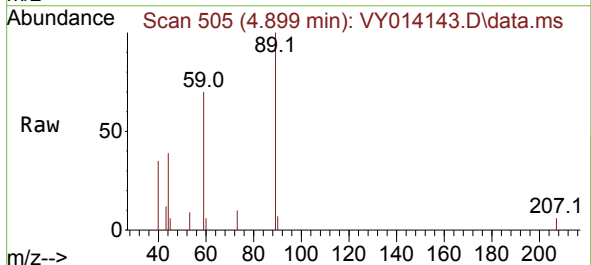
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-26598

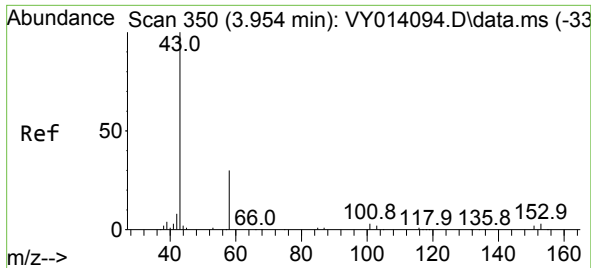
Tgt Ion:168 Resp: 156322
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.899 min Scan# 505
Delta R.T. -0.067 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 59 Resp: 1195
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.528 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY014143.D

Acq: 13 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

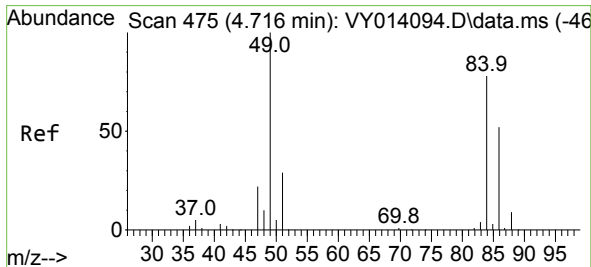
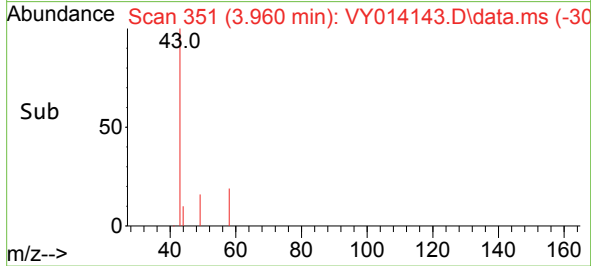
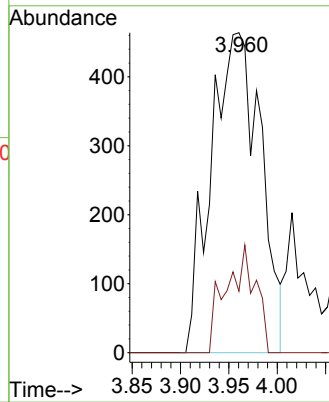
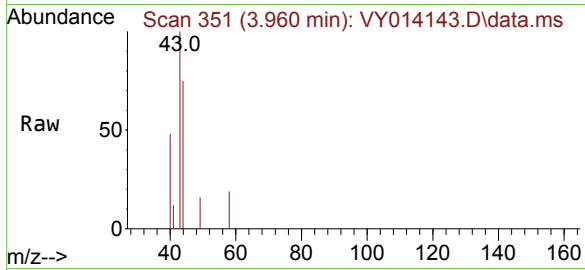
CHRT-26598

Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

43 100

58 19.2 22.7 34.1#



#20

Methylene Chloride

Concen: 2.697 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014143.D

Acq: 13 Jun 2023 16:39

Tgt Ion: 84 Resp: 12755

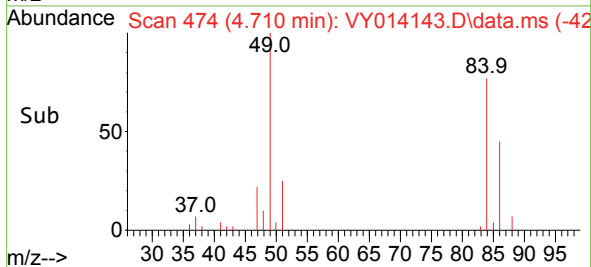
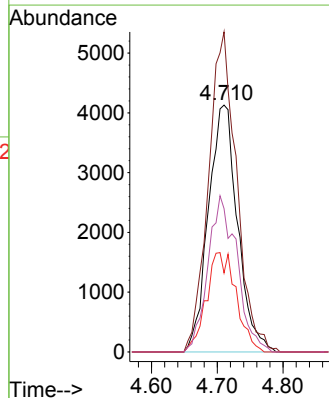
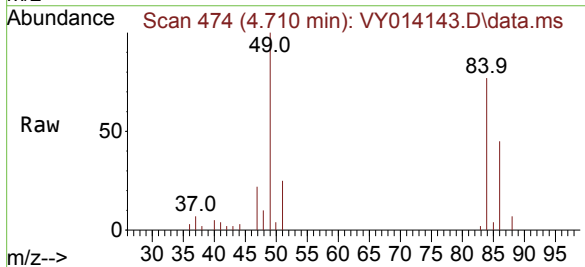
Ion Ratio Lower Upper

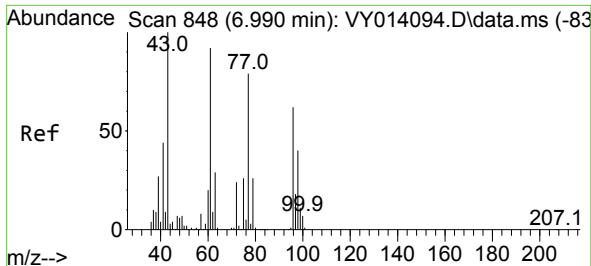
84 100

49 129.6 106.9 160.3

51 32.0 33.2 49.8#

86 58.1 51.0 76.6

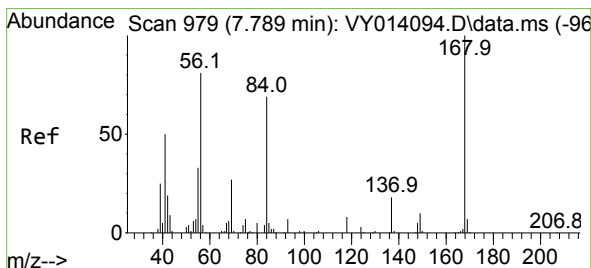
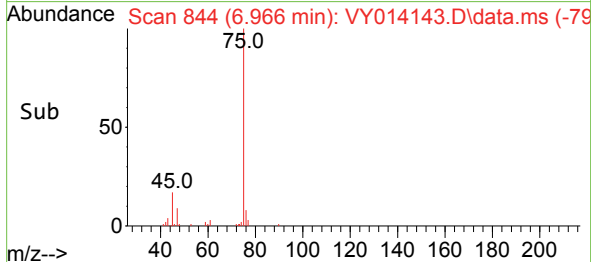
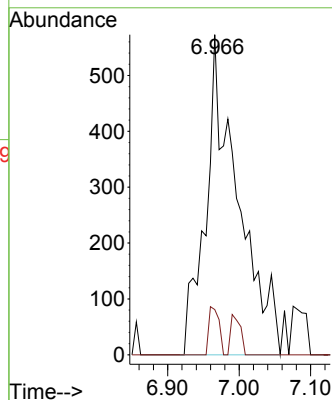
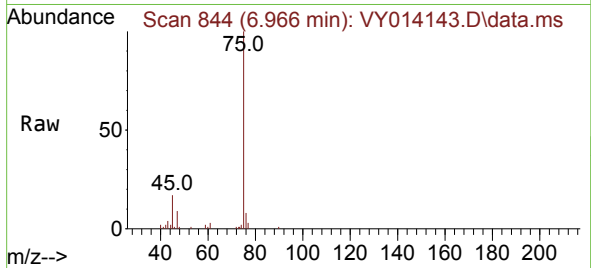




#25
2-Butanone
Concen: 2.215 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

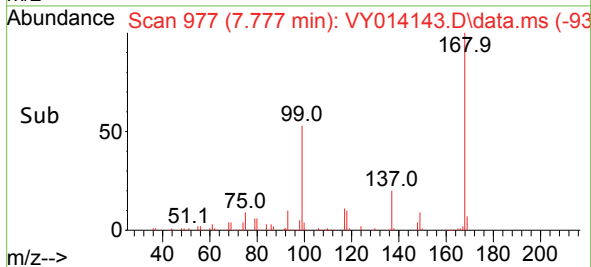
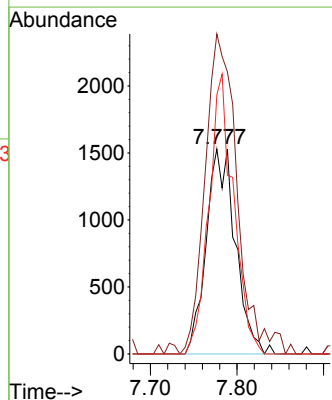
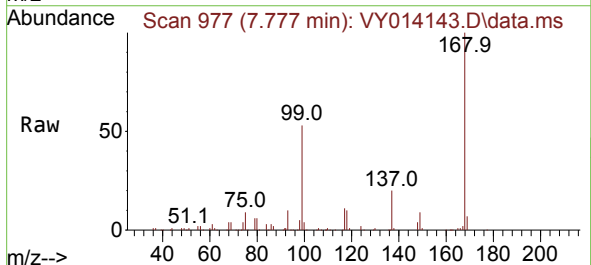
Instrument :
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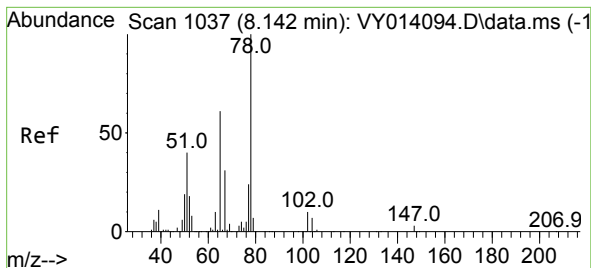
Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
72 14.1 20.5 30.7#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 56 Resp: 3581
Ion Ratio Lower Upper
56 100
69 156.2 27.8 41.6#
84 131.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.048 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014143.D

Acq: 13 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

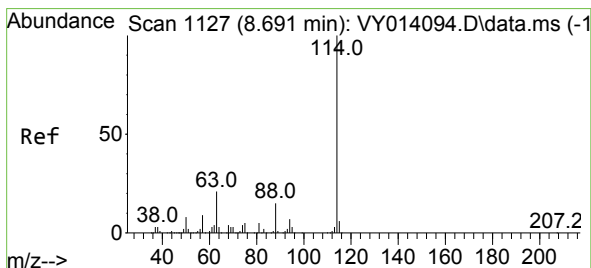
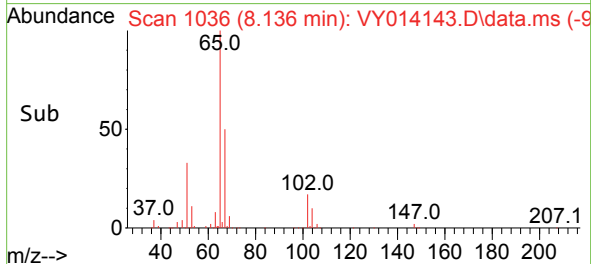
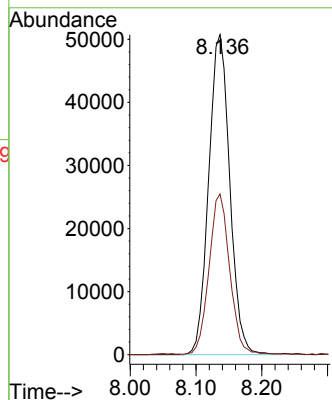
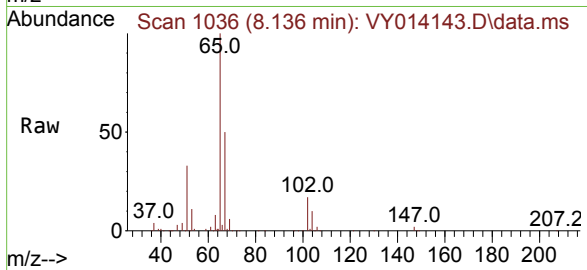
CHRT-26598

Tgt Ion: 65 Resp: 113299

Ion Ratio Lower Upper

65 100

67 49.0 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: VY014143.D

Acq: 13 Jun 2023 16:39

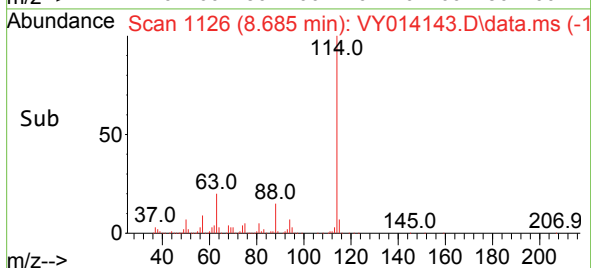
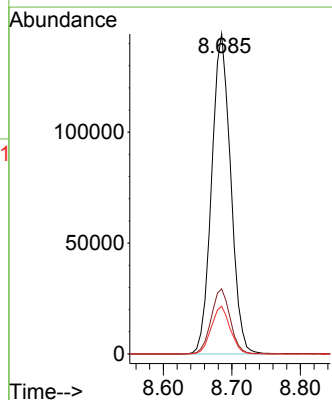
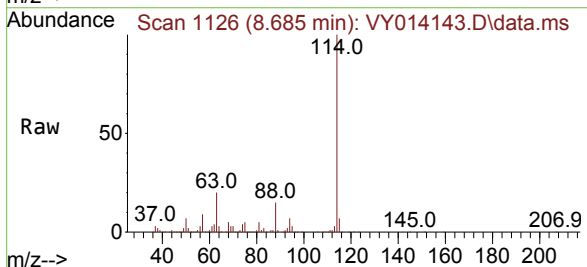
Tgt Ion: 114 Resp: 277879

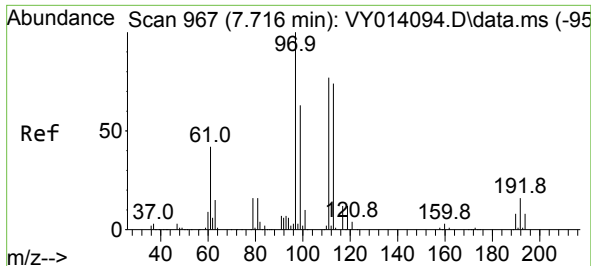
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.9 0.0 30.6

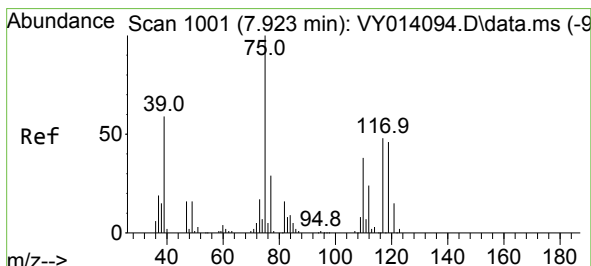
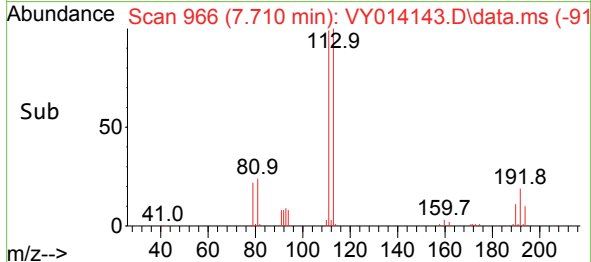
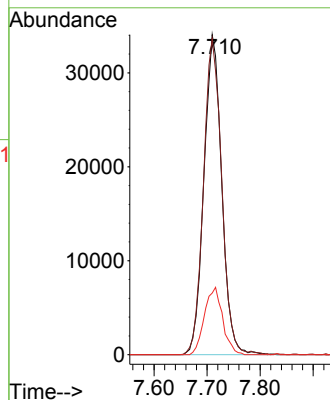
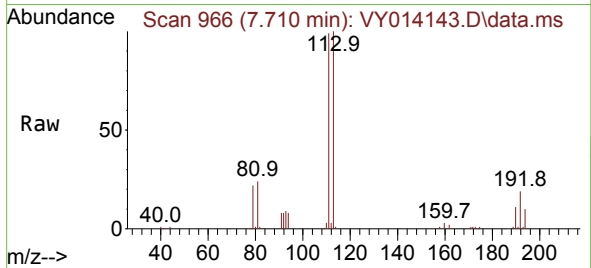




#35
Dibromofluoromethane
Concen: 40.372 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

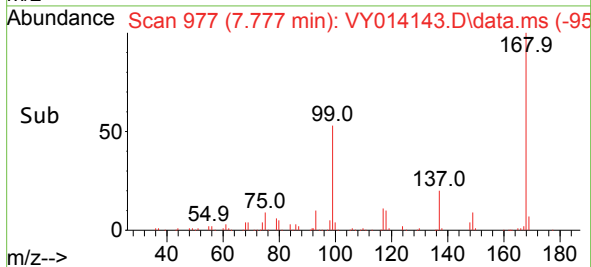
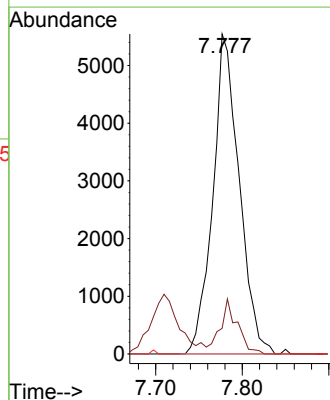
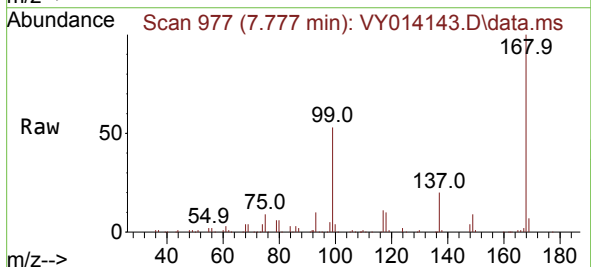
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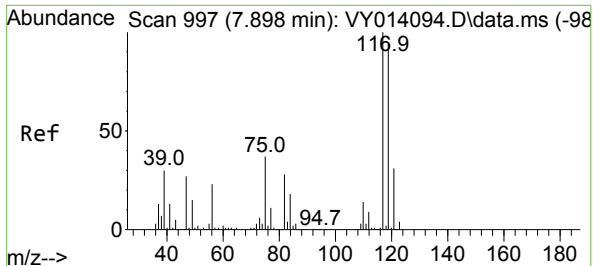
Tgt Ion:113 Resp: 79560
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.813 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 75 Resp: 11714
Ion Ratio Lower Upper
75 100
110 11.2 17.8 53.5#
77 0.0 24.4 36.6#

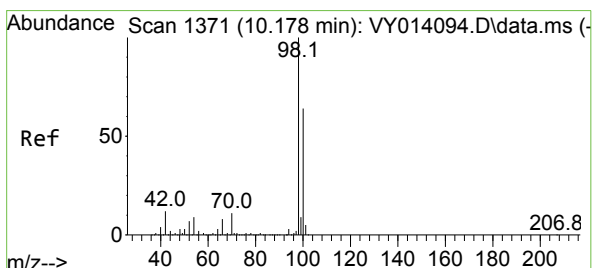
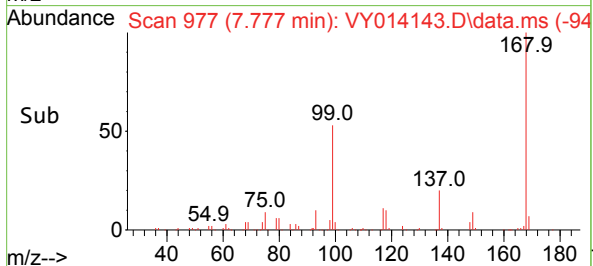
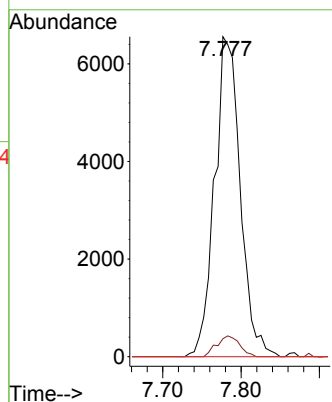
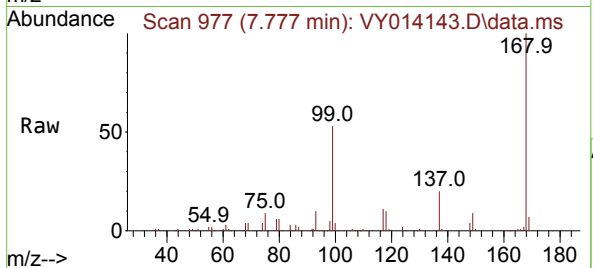




#38
Carbon Tetrachloride
Concen: 4.204 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

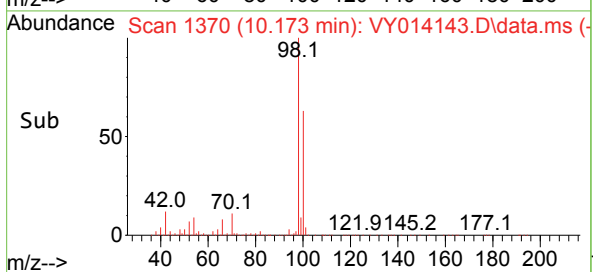
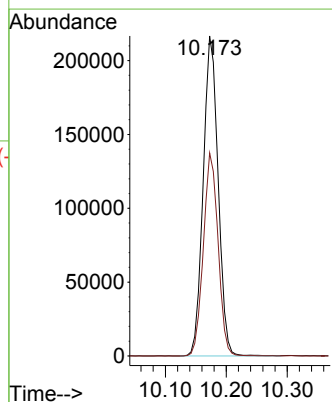
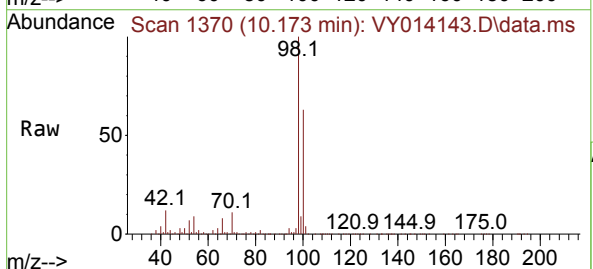
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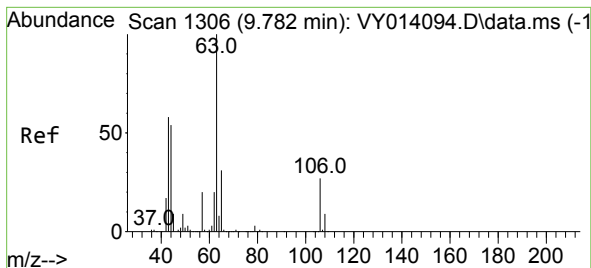
Tgt Ion:117 Resp: 14903
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.163 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 98 Resp: 369576
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

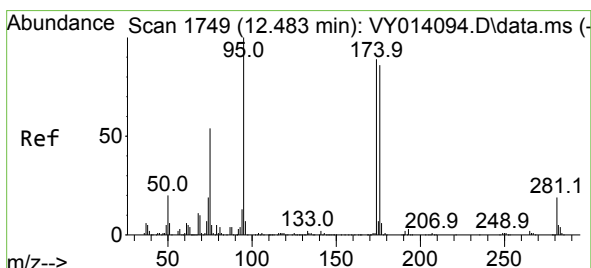
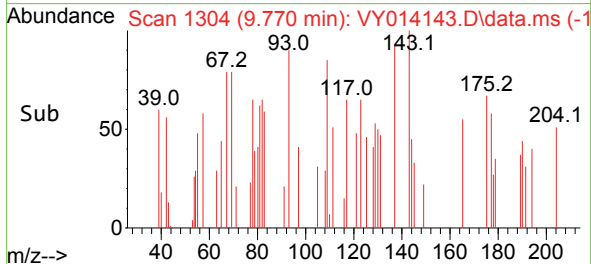
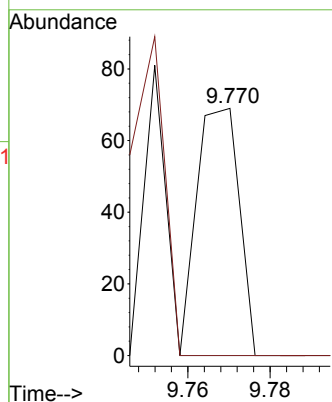
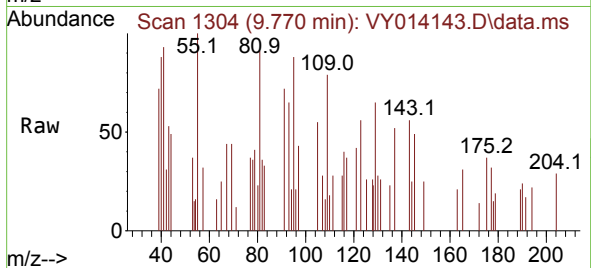




#58
2-Chloroethyl Vinyl ether
Concen: 28.657 ug/l
RT: 9.770 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

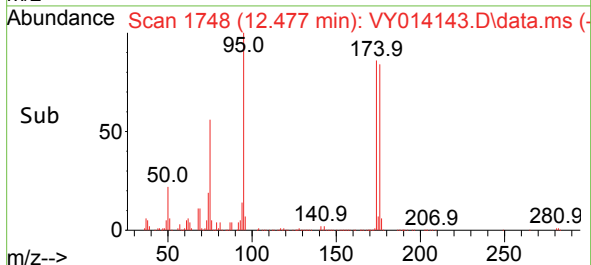
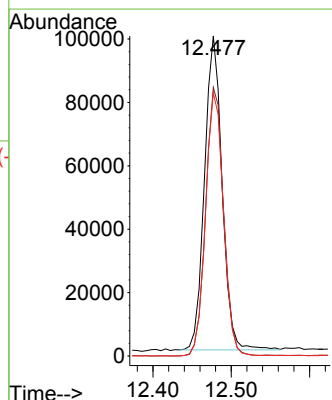
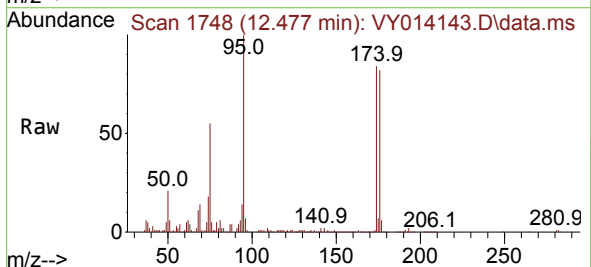
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-26598

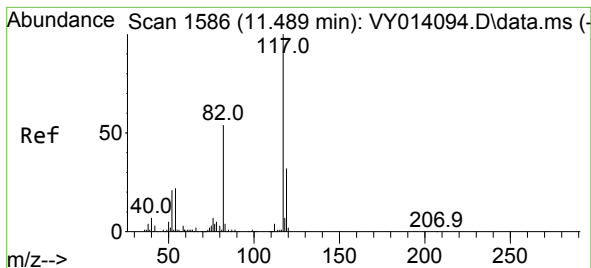
Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 58.863 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 95 Resp: 154054
Ion Ratio Lower Upper
95 100
174 87.3 0.0 178.2
176 85.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014143.D

Acq: 13 Jun 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-26598

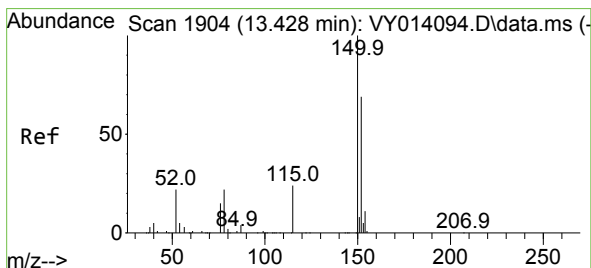
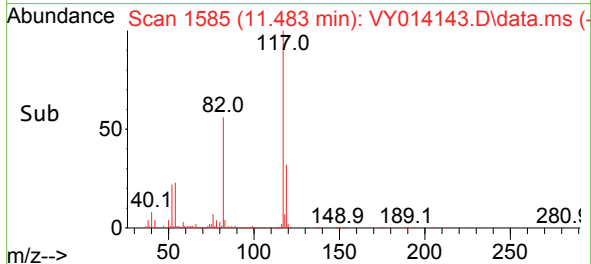
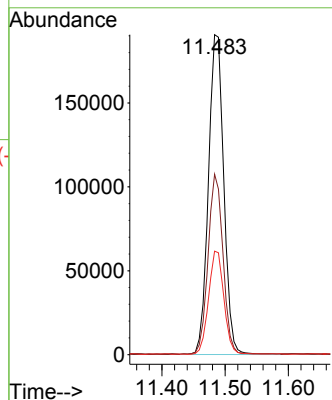
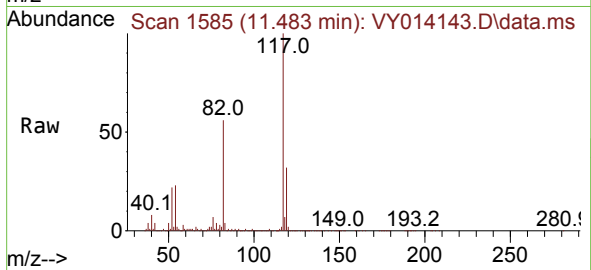
Tgt Ion:117 Resp: 321555

Ion Ratio Lower Upper

117 100

82 56.3 43.4 65.0

119 32.2 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: VY014143.D

Acq: 13 Jun 2023 16:39

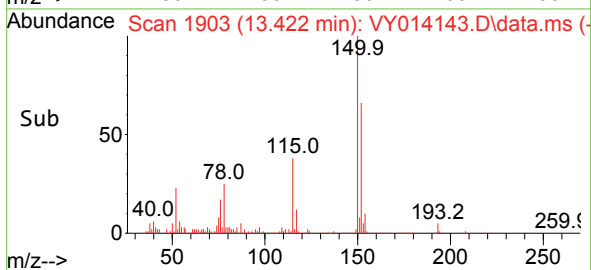
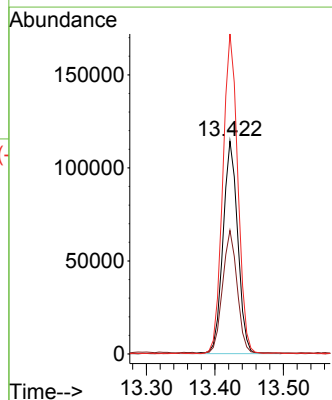
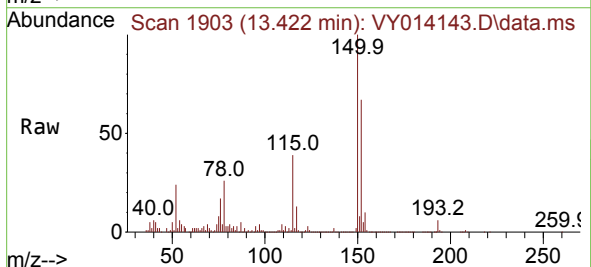
Tgt Ion:152 Resp: 170392

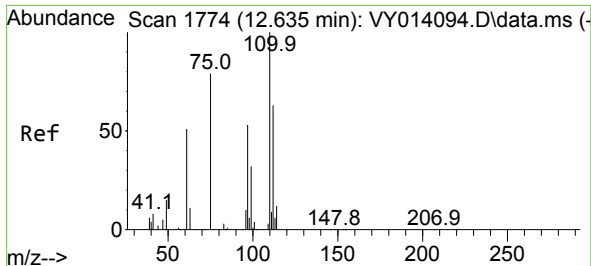
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 152.6 0.0 348.8

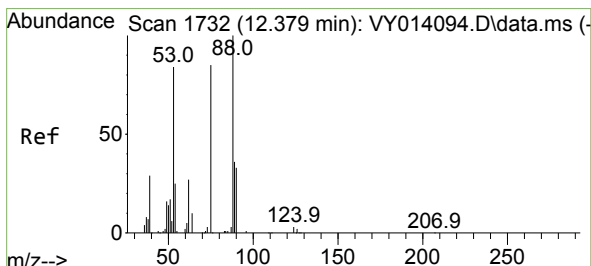
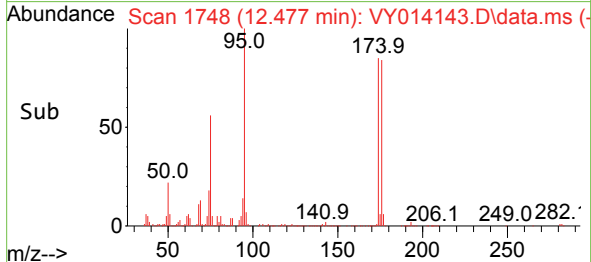
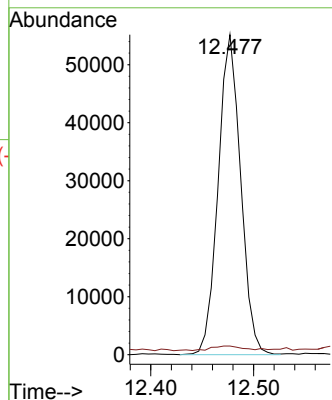
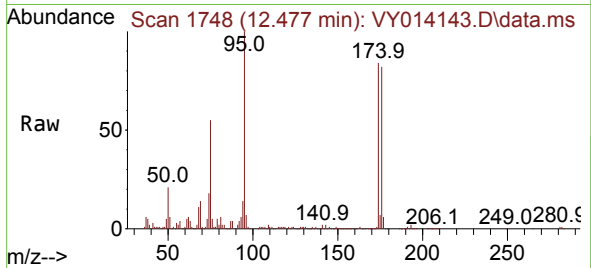




#76
1,2,3-Trichloropropane
Concen: 37.473 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-26598

Tgt Ion: 75 Resp: 83771
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.002 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014143.D
Acq: 13 Jun 2023 16:39

Tgt Ion: 75 Resp: 83771
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

