

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014241.D
 Acq On : 19 Jun 2023 20:29
 Operator : KP/MD
 Sample : 03320-07
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-12

Quant Time: Jun 20 05:01:57 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)

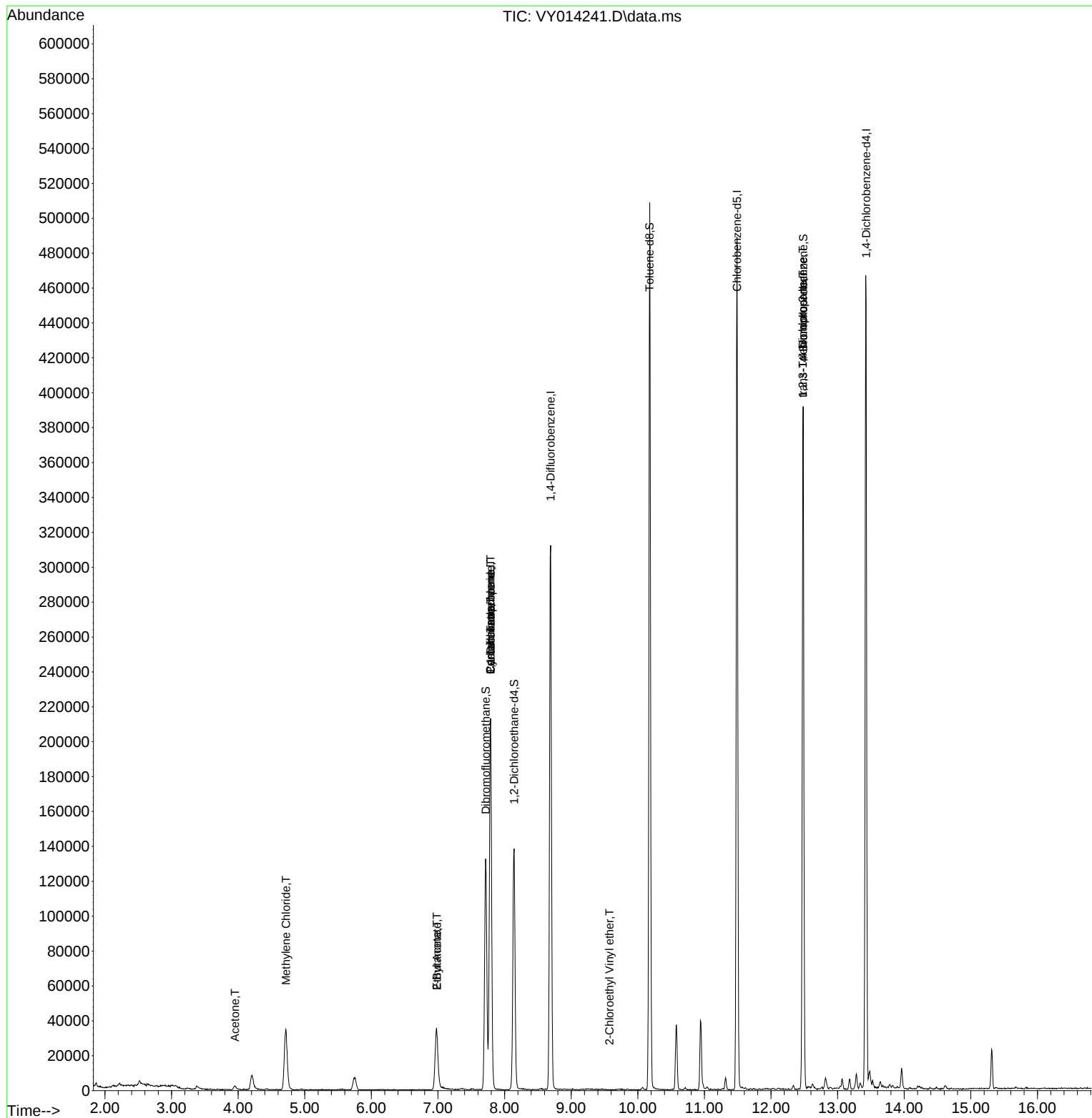
Internal Standards						
1) Pentafluorobenzene	7.789	168	168504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115398	49.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.360%
35) Dibromofluoromethane	7.716	113	89207	47.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.179	98	318230	45.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.240%
62) 4-Bromofluorobenzene	12.483	95	105115	42.415	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	488	Below Cal	#	89
16) Acetone	3.954	43	3904	5.520	ug/l	99
20) Methylene Chloride	4.716	84	25760	8.427	ug/l	96
25) 2-Butanone	6.984	43	3114	3.577	ug/l #	76
31) Cyclohexane	7.789	56	3958	1.259	ug/l #	5
36) 1,1-Dichloropropene	7.789	75	13001	4.469	ug/l #	51
37) Ethyl Acetate	6.984	43	3114	1.551	ug/l #	13
38) Carbon Tetrachloride	7.789	117	16589	4.941	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.575	63	20	28.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	57863	36.114	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57863	78.064	ug/l #	11

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

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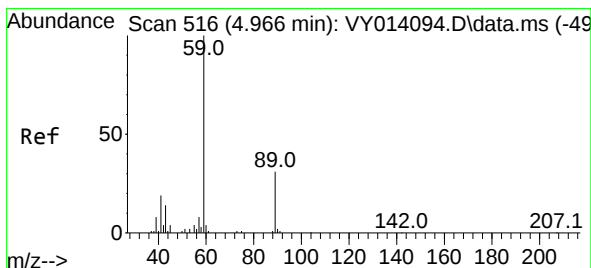
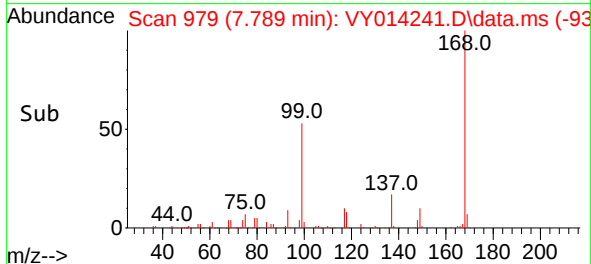
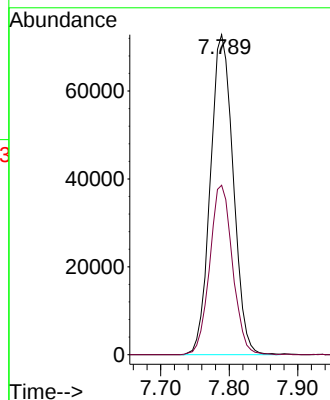
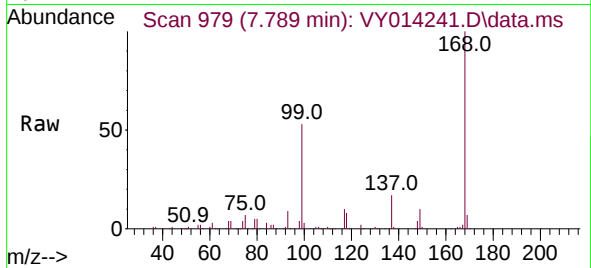




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

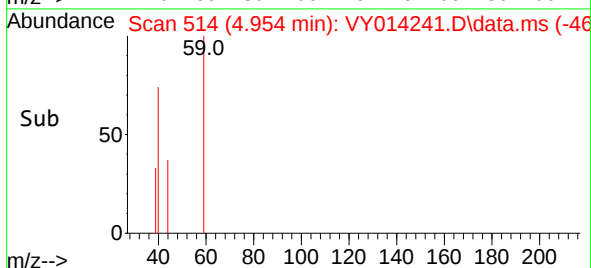
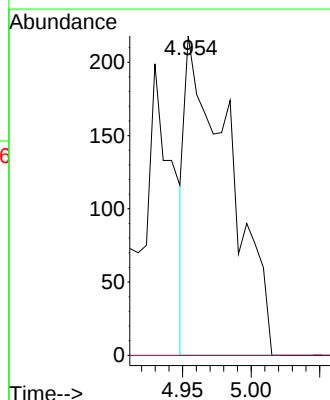
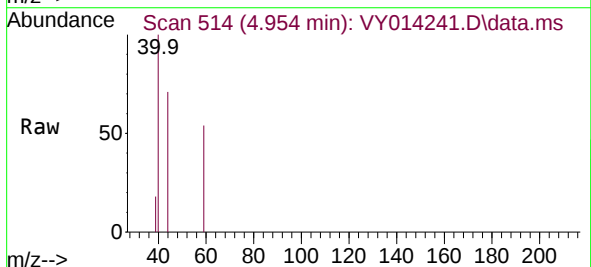
Instrument :
MSVOA_Y
ClientSampleId :
WC-12

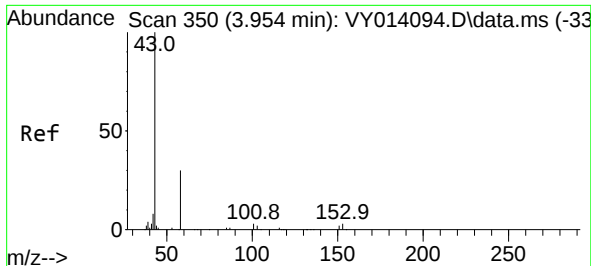
Tgt Ion:168 Resp: 168504
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 5.520 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY014241.D

Acq: 19 Jun 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

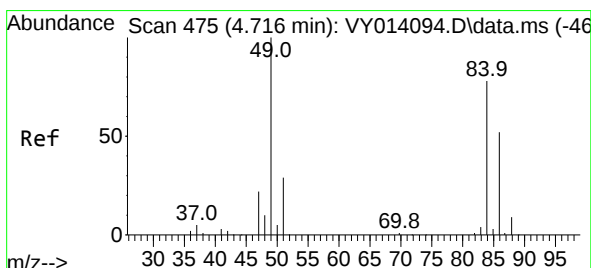
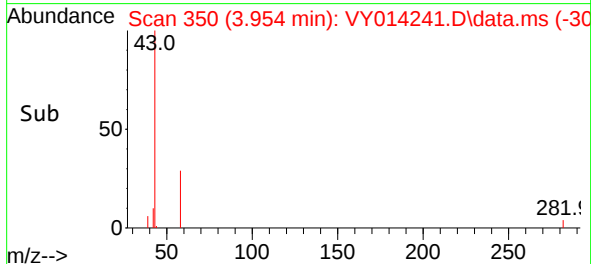
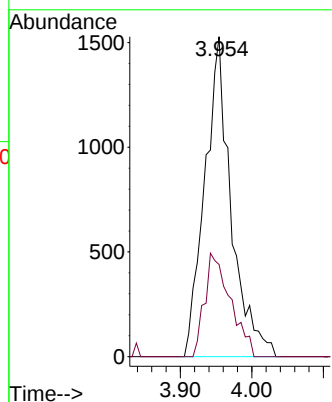
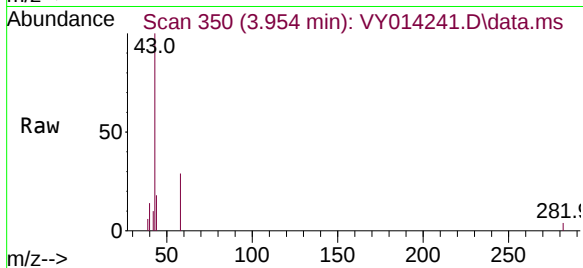
WC-12

Tgt Ion: 43 Resp: 3904

Ion Ratio Lower Upper

43 100

58 28.8 22.7 34.1



#20

Methylene Chloride

Concen: 8.427 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014241.D

Acq: 19 Jun 2023 20:29

Tgt Ion: 84 Resp: 25760

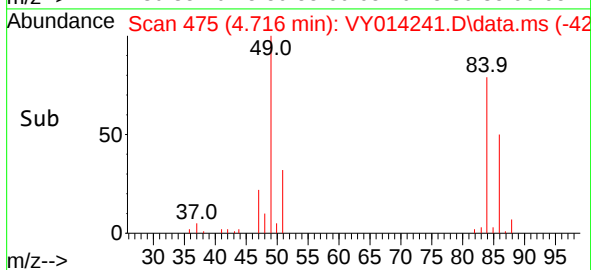
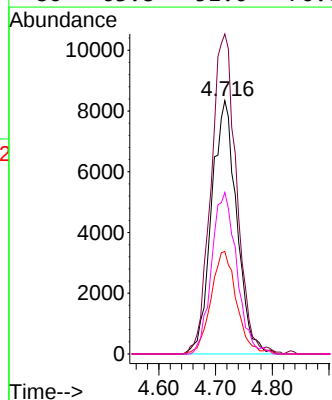
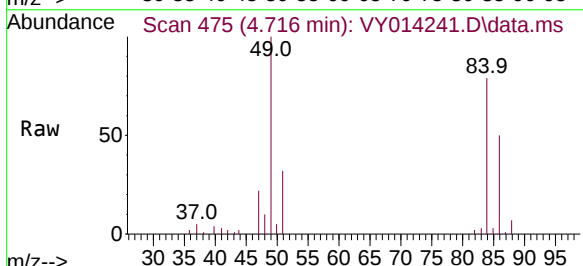
Ion Ratio Lower Upper

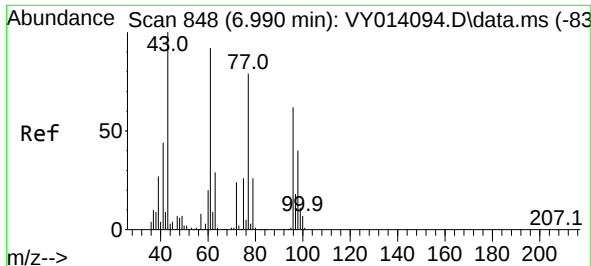
84 100

49 126.4 106.9 160.3

51 40.5 33.2 49.8

86 63.8 51.0 76.6

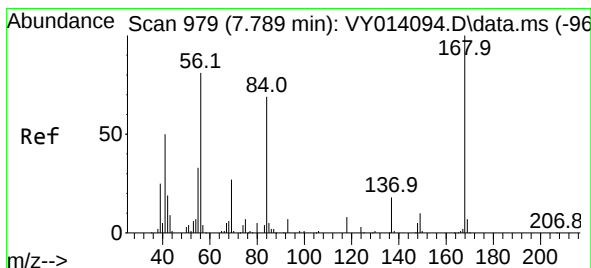
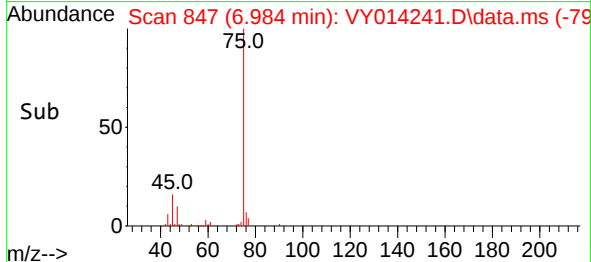
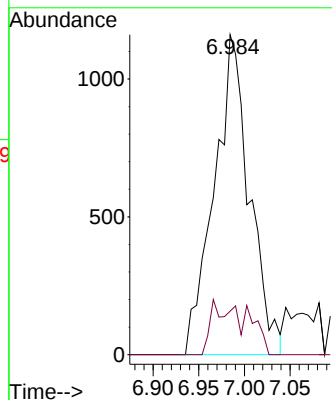
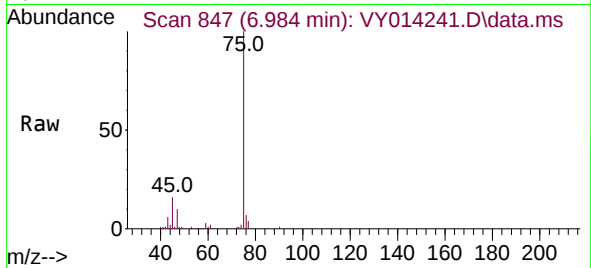




#25
2-Butanone
Concen: 3.577 ug/l
RT: 6.984 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

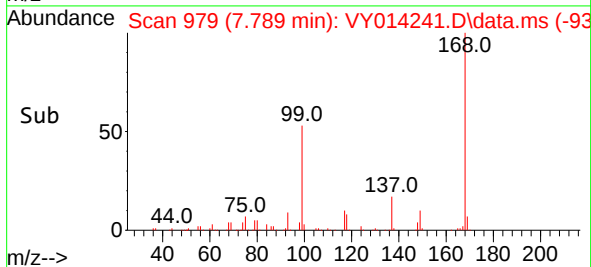
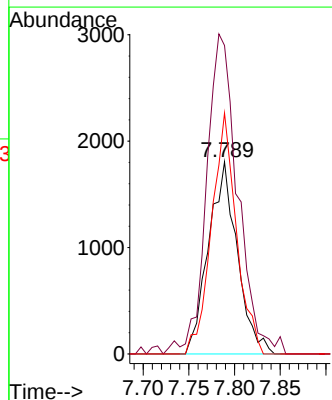
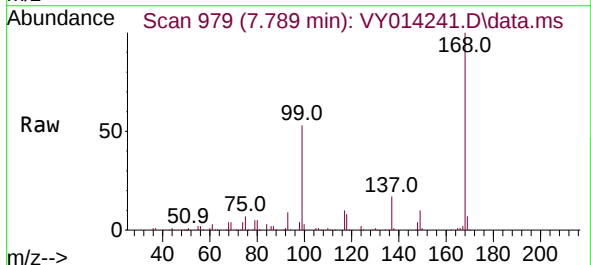
Instrument :
MSVOA_Y
ClientSampleId :
WC-12

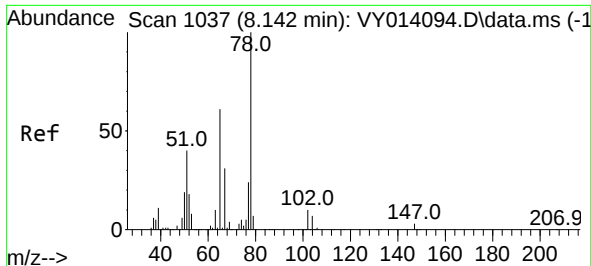
Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
72 13.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

Tgt Ion: 56 Resp: 3958
Ion Ratio Lower Upper
56 100
69 156.8 27.8 41.6#
84 125.3 66.4 99.6#

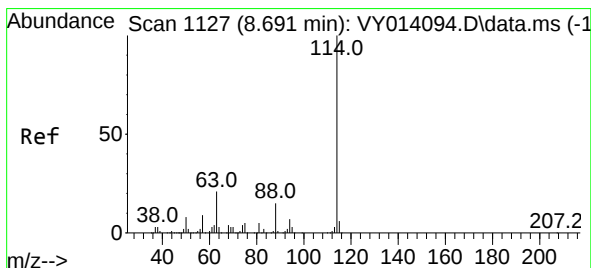
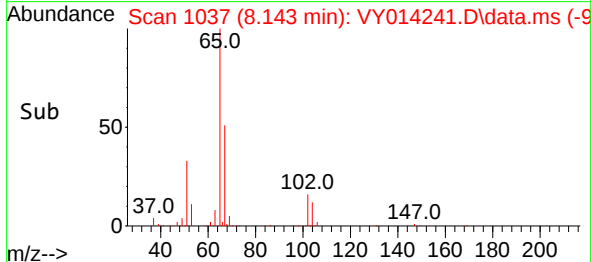
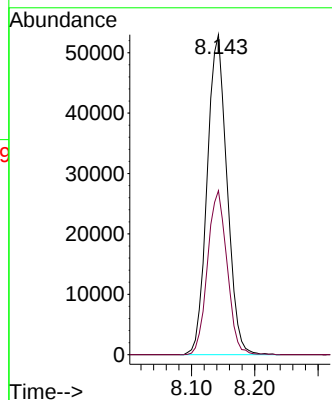
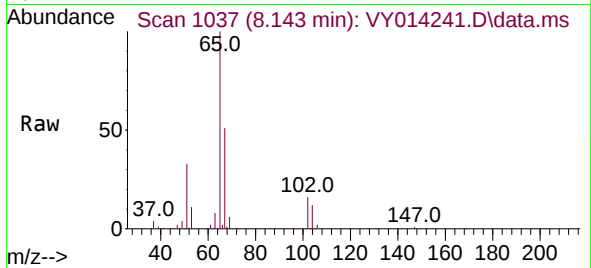




#33
 1,2-Dichloroethane-d4
 Concen: 49.180 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. 0.001 min
 Lab File: VY014241.D
 Acq: 19 Jun 2023 20:29

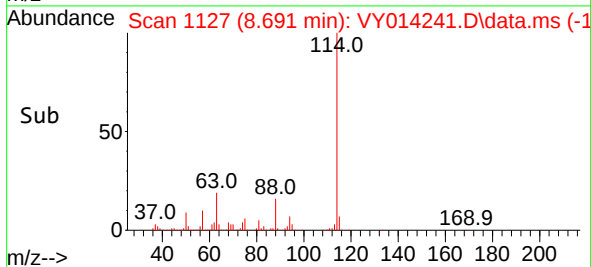
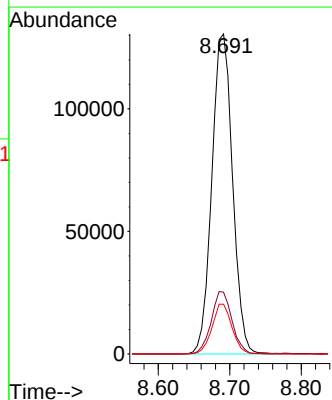
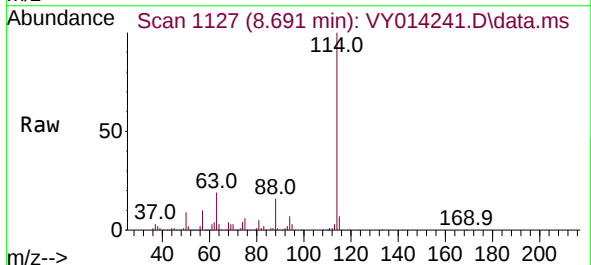
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-12

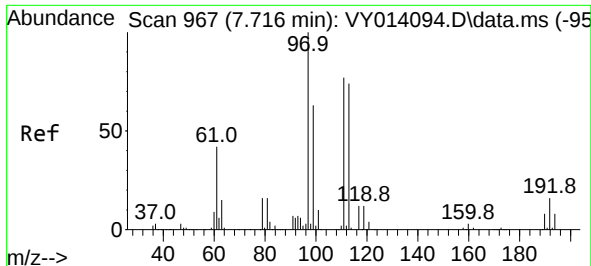
Tgt Ion: 65 Resp: 115398
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014241.D
 Acq: 19 Jun 2023 20:29

Tgt Ion: 114 Resp: 263129
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 15.6 0.0 30.6

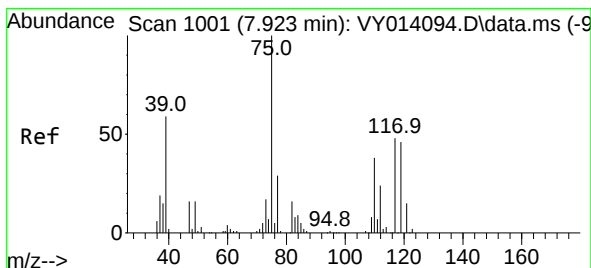
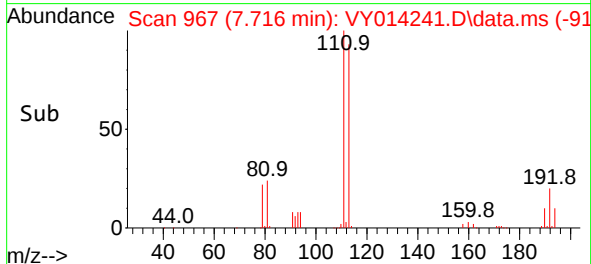
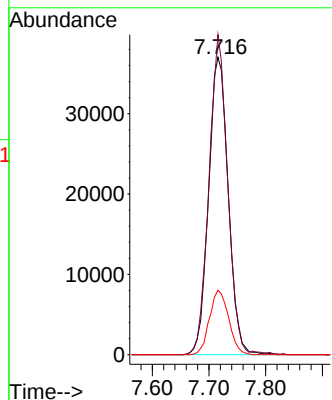
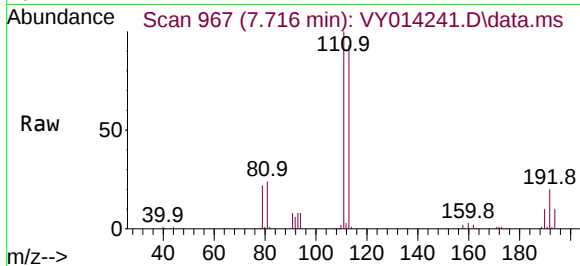




#35
Dibromofluoromethane
Concen: 47.805 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

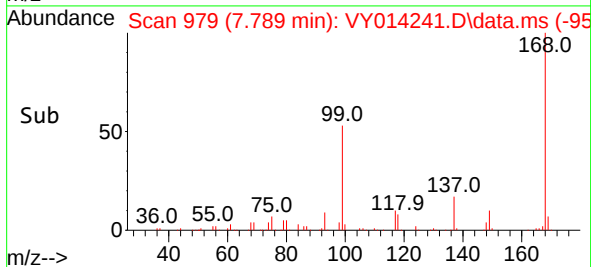
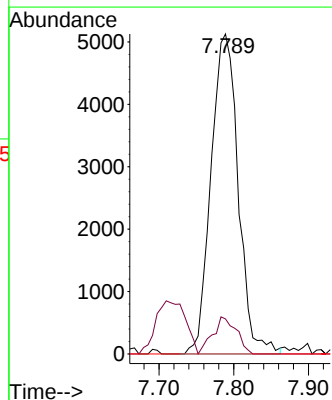
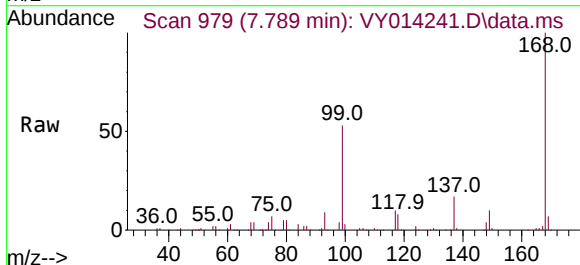
Instrument :
MSVOA_Y
ClientSampleId :
WC-12

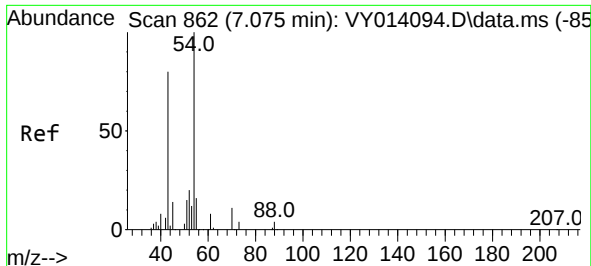
Tgt Ion:113 Resp: 89207
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.469 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

Tgt Ion: 75 Resp: 13001
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.551 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY014241.D

Acq: 19 Jun 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-12

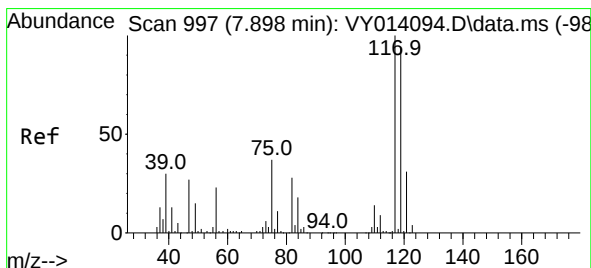
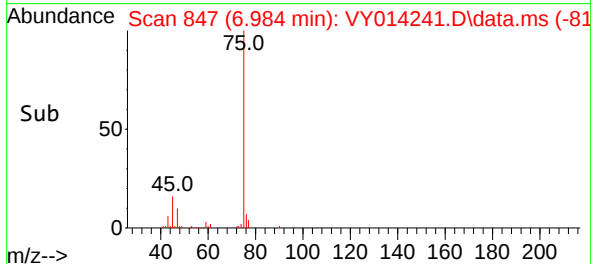
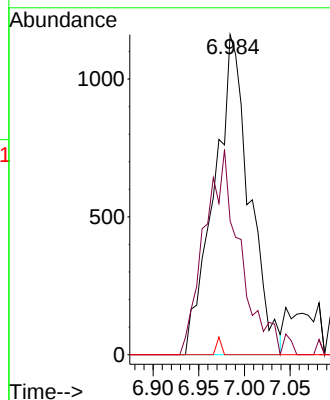
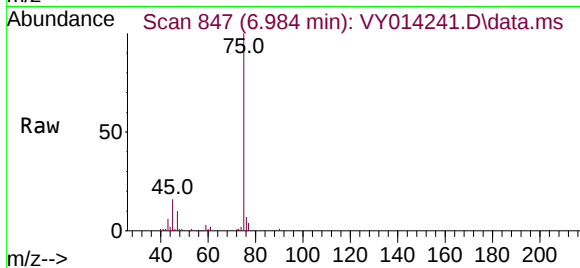
Tgt Ion: 43 Resp: 3114

Ion Ratio Lower Upper

43 100

61 64.5 10.1 15.1#

70 0.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014241.D

Acq: 19 Jun 2023 20:29

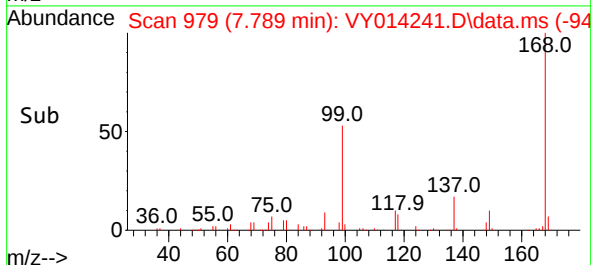
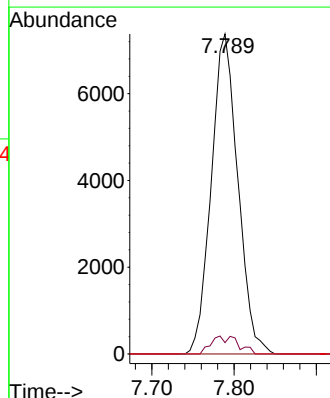
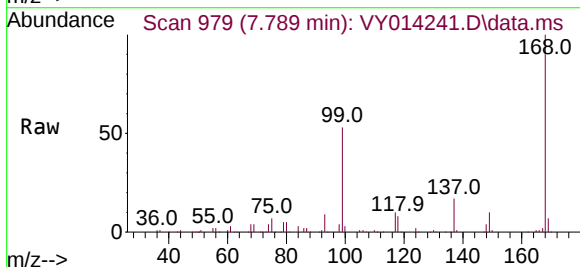
Tgt Ion: 117 Resp: 16589

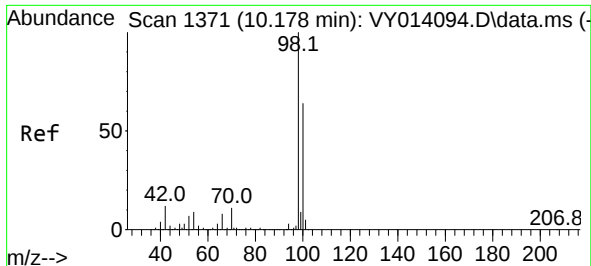
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

121 0.0 25.8 38.6#

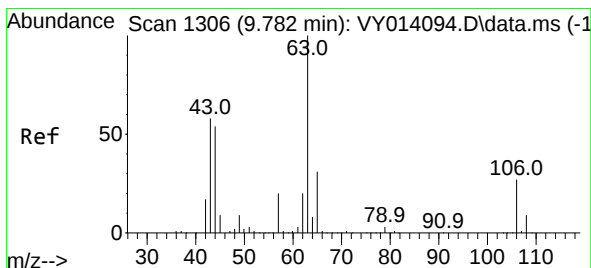
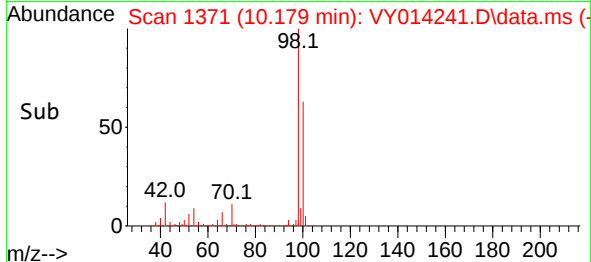
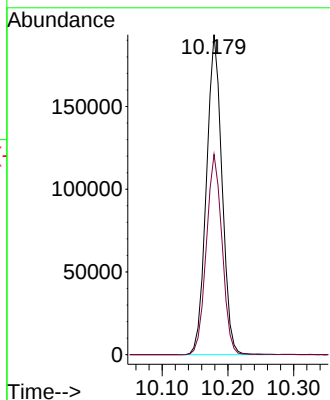
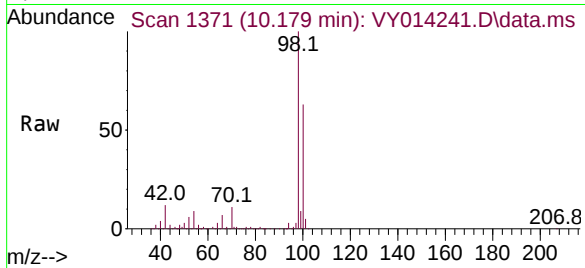




#50
Toluene-d8
Concen: 45.615 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

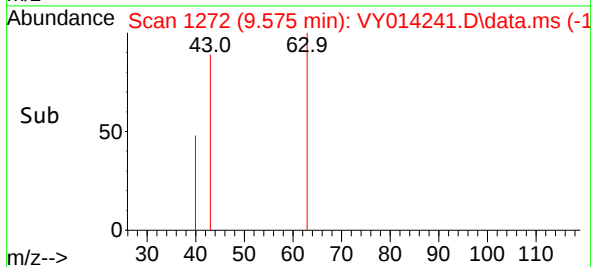
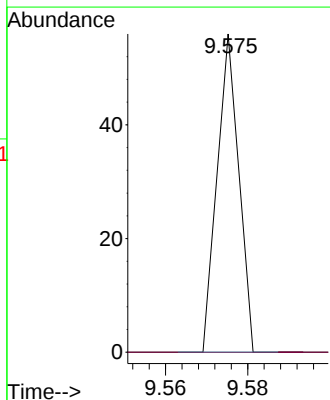
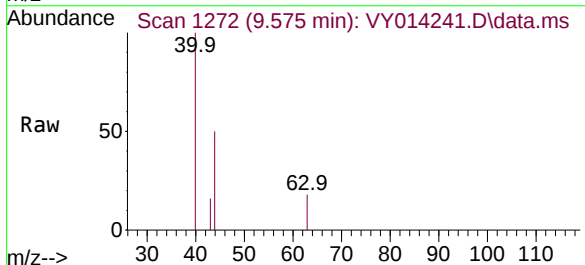
Instrument :
MSVOA_Y
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WC-12

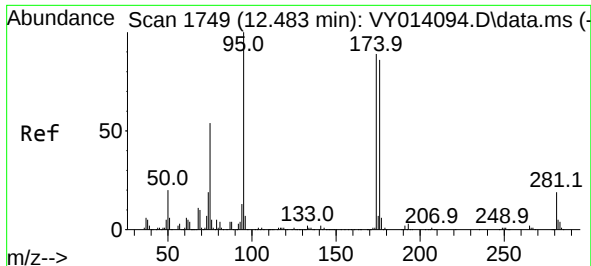
Tgt Ion: 98 Resp: 318230
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.635 ug/l
RT: 9.575 min Scan# 1272
Delta R.T. -0.207 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

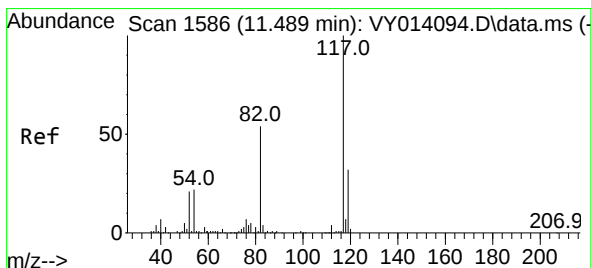
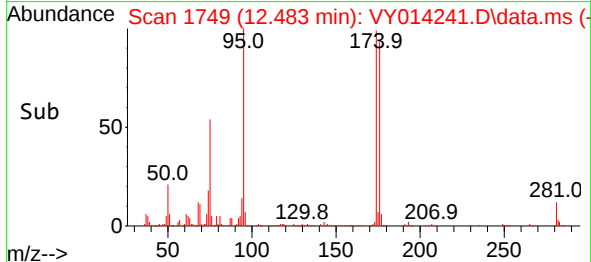
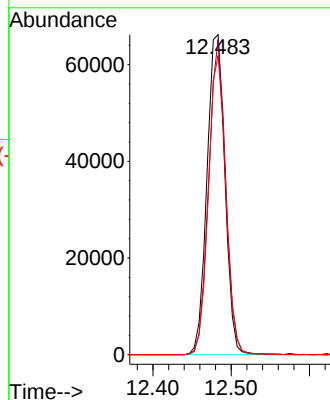
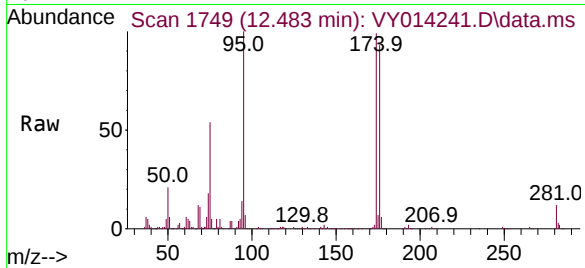




#62
4-Bromofluorobenzene
Concen: 42.415 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

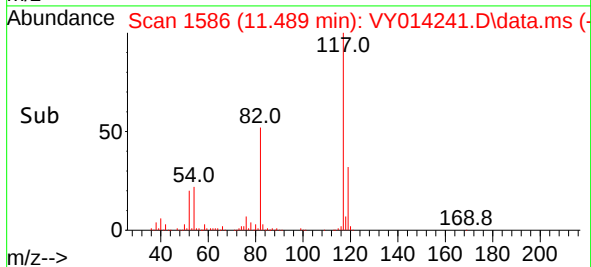
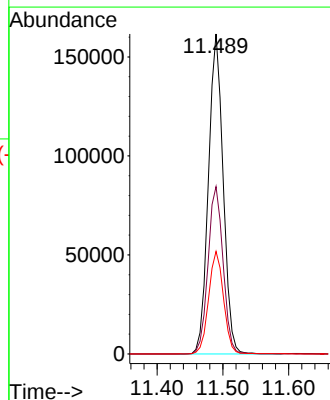
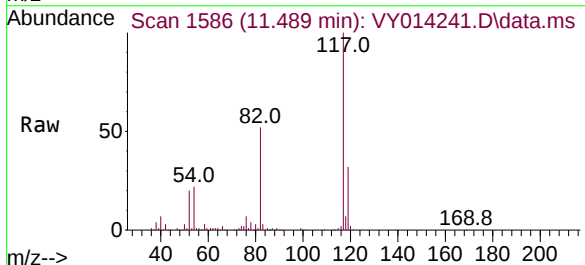
Instrument :
MSVOA_Y
ClientSampleId :
WC-12

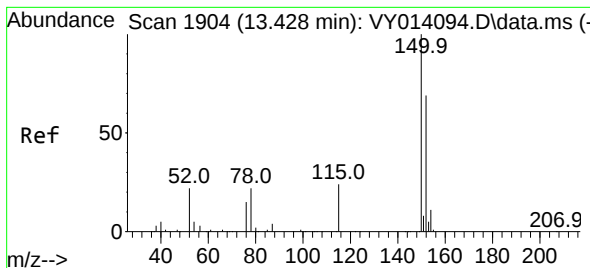
Tgt Ion: 95 Resp: 105115
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 90.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014241.D
Acq: 19 Jun 2023 20:29

Tgt Ion: 117 Resp: 251763
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014241.D

Acq: 19 Jun 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-12

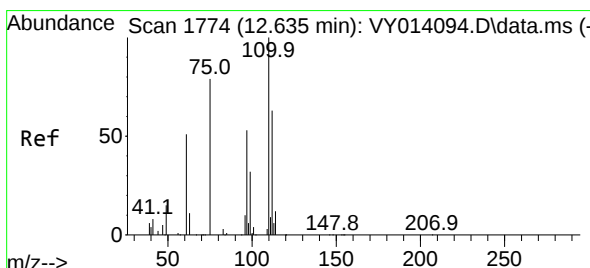
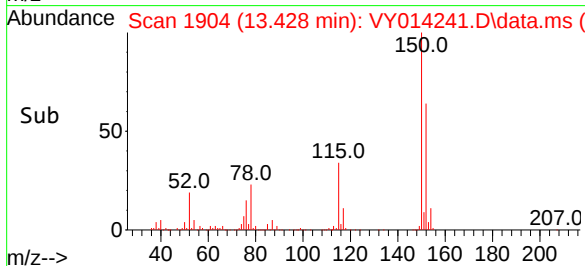
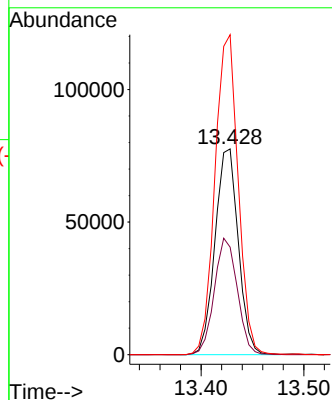
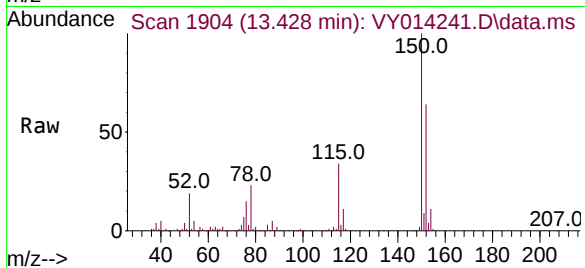
Tgt Ion:152 Resp: 122125

Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 154.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.114 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014241.D

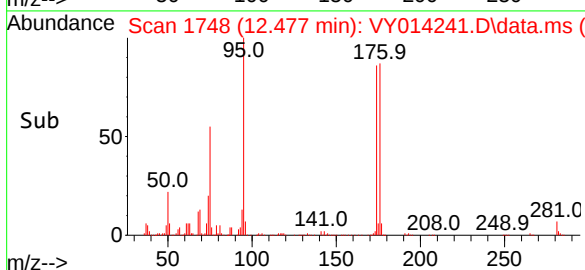
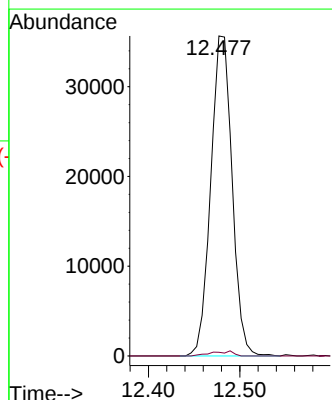
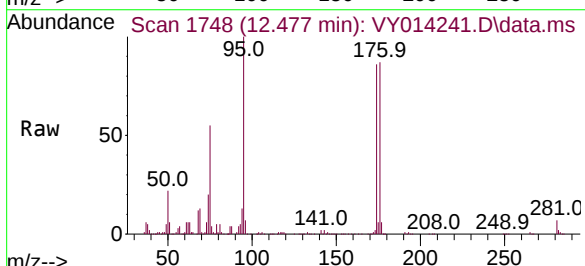
Acq: 19 Jun 2023 20:29

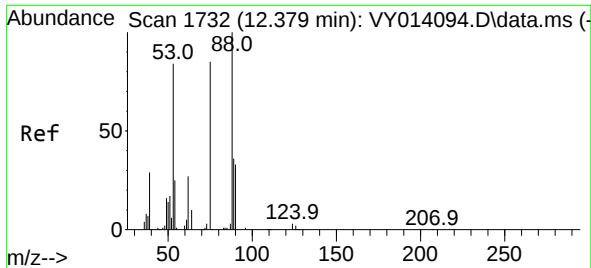
Tgt Ion: 75 Resp: 57863

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.064 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014241.D
 Acq: 19 Jun 2023 20:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-12

Tgt Ion: 75 Resp: 57863
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.2 37.4 56.0#

