

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015084.D
 Acq On : 14 Aug 2023 17:11
 Operator : SY/MD
 Sample : 03954-01
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15

Quant Time: Aug 15 02:22:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

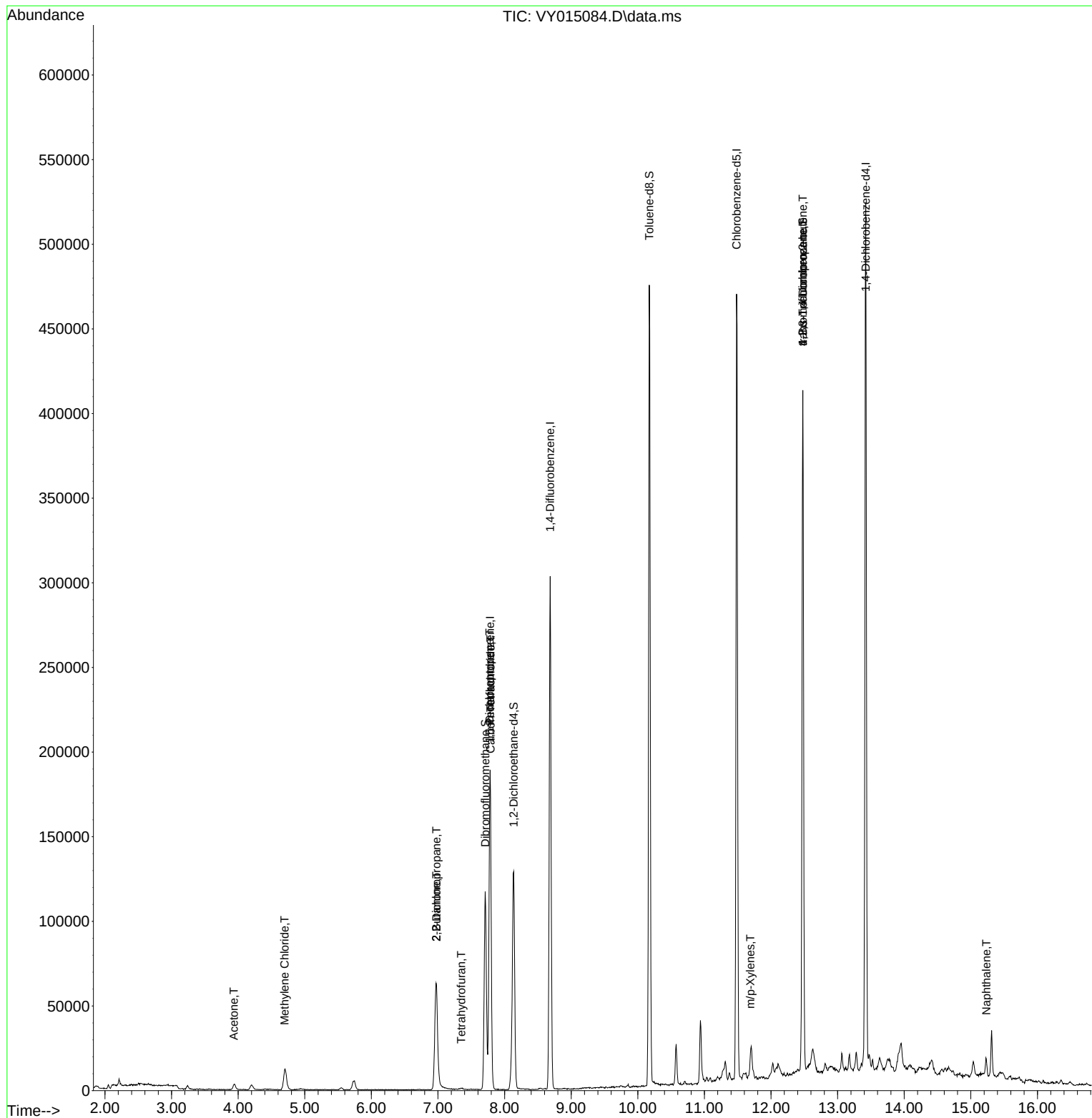
Internal Standards						
1) Pentafluorobenzene	7.783	168	146469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	98676	56.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.240%	
35) Dibromofluoromethane	7.710	113	80914	49.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.980%	
50) Toluene-d8	10.173	98	305372	50.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.477	95	118993	53.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	110	Below Cal	#	43
3) Chloromethane	2.107	50	708	Below Cal	#	87
5) Bromomethane	2.650	94	403	Below Cal	#	70
11) Tert butyl alcohol	4.930	59	1248	Below Cal	#	89
16) Acetone	3.936	43	6105	10.629	ug/l	96
20) Methylene Chloride	4.698	84	9374	2.722	ug/l	89
25) 2-Butanone	6.978	43	4781	5.879	ug/l	98
26) 2,2-Dichloropropane	6.978	77	4761	2.023	ug/l #	54
29) Tetrahydrofuran	7.350	42	504	1.036	ug/l #	61
31) Cyclohexane	7.777	56	3113	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	11373	6.288	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14826	6.926	ug/l #	17
68) m/p-Xylenes	11.691	106	4194	1.374	ug/l	87
76) 1,2,3-Trichloropropane	12.477	75	64763	40.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64763	89.789	ug/l #	10
95) Naphthalene	15.233	128	9316	1.538	ug/l #	95

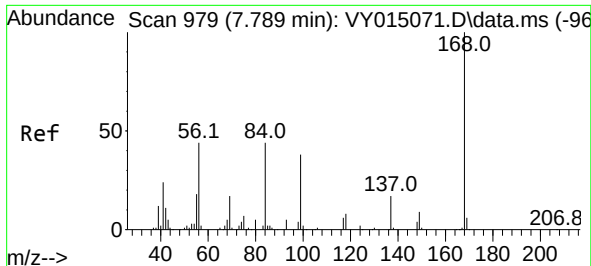
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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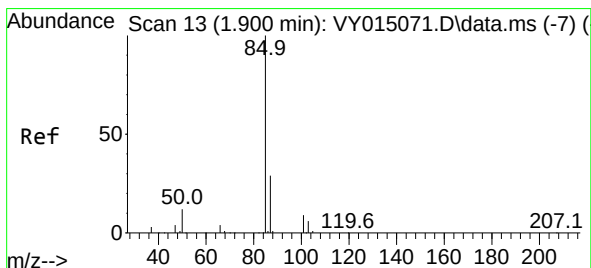
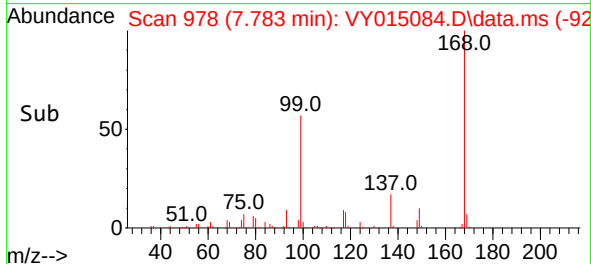
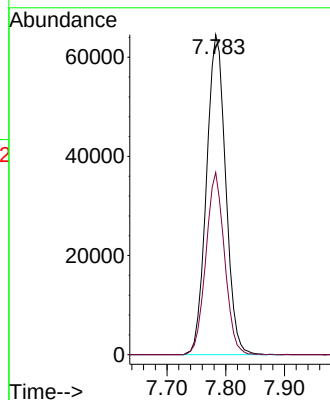
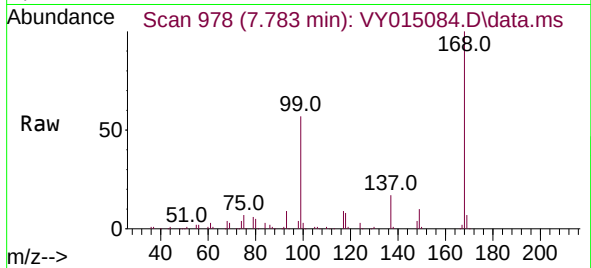




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

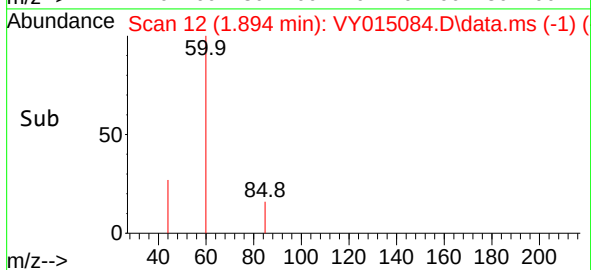
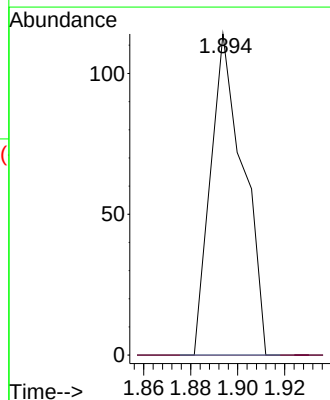
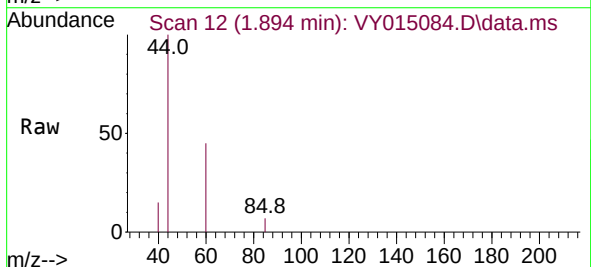
Instrument :
MSVOA_Y
ClientSampleId :
WC-15

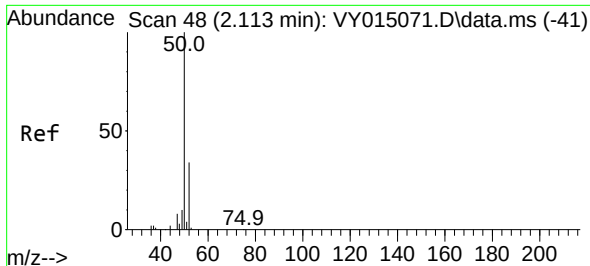
Tgt Ion:168 Resp: 146469
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

Tgt Ion: 85 Resp: 110
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

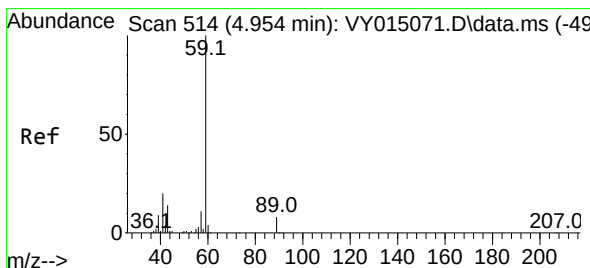
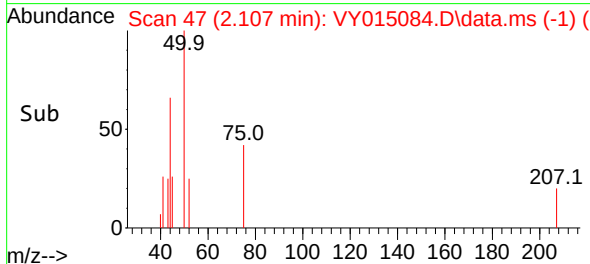
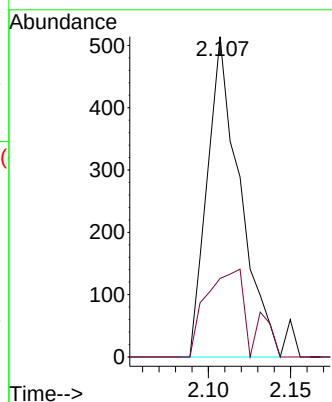
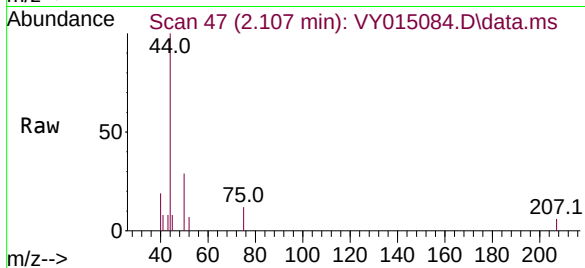




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

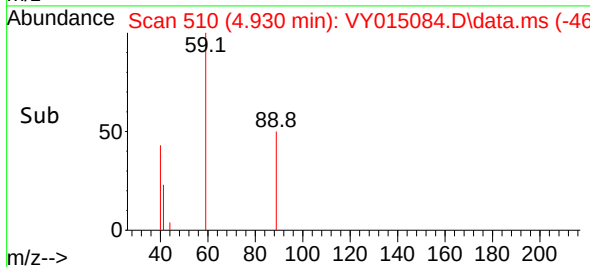
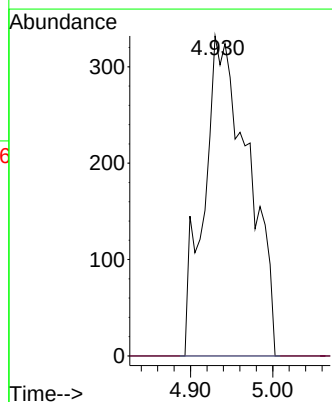
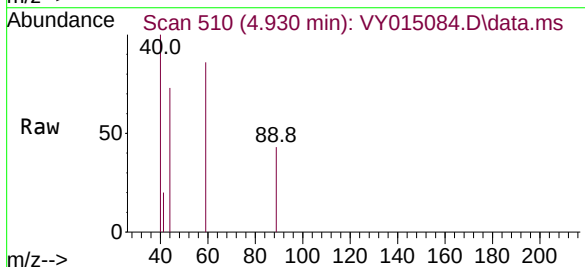
Instrument :
MSVOA_Y
ClientSampleId :
WC-15

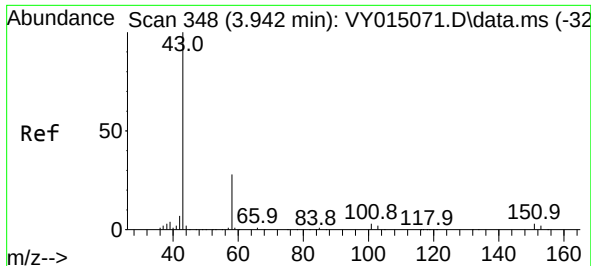
Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 24.5 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

Tgt Ion: 59 Resp: 1248
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

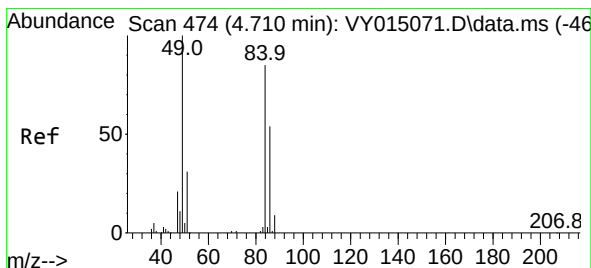
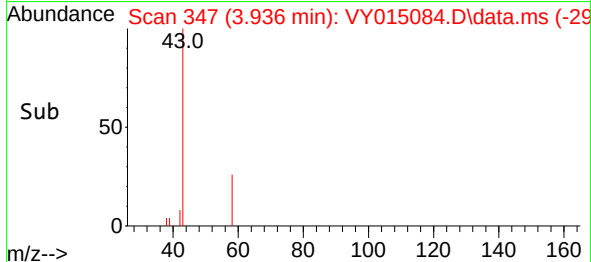
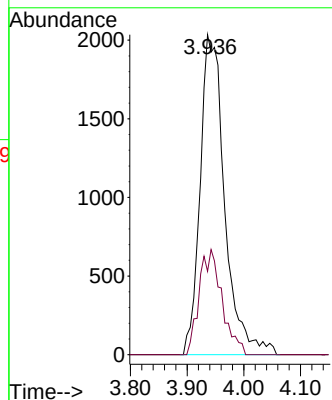
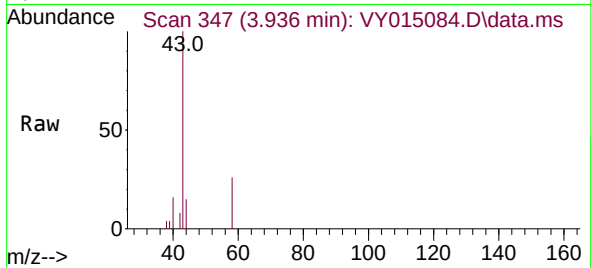




#16
Acetone
Concen: 10.629 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

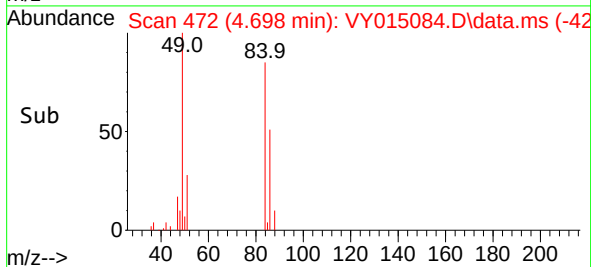
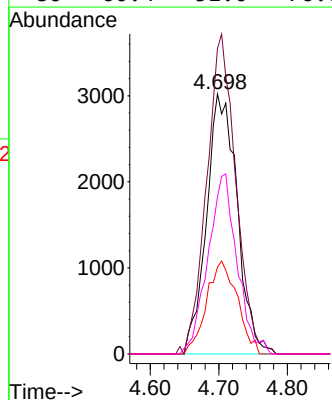
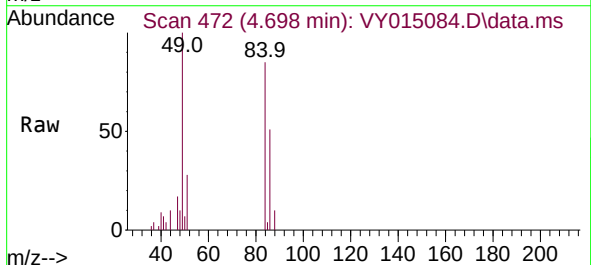
Instrument :
MSVOA_Y
ClientSampleId :
WC-15

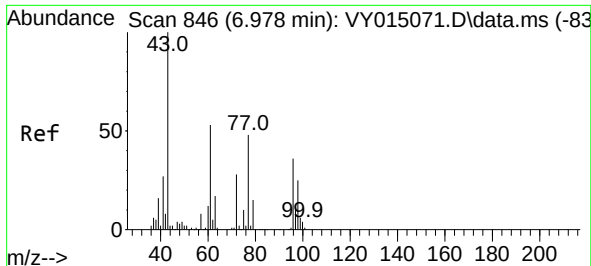
Tgt Ion: 43 Resp: 6105
Ion Ratio Lower Upper
43 100
58 26.0 22.7 34.1



#20
Methylene Chloride
Concen: 2.722 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

Tgt Ion: 84 Resp: 9374
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 33.4 33.2 49.8
86 60.4 51.0 76.6





#25

2-Butanone

Concen: 5.879 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

Instrument :

MSVOA_Y

ClientSampleId :

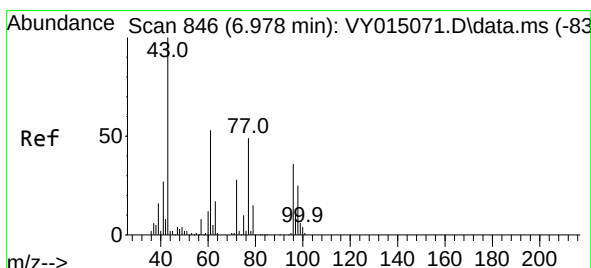
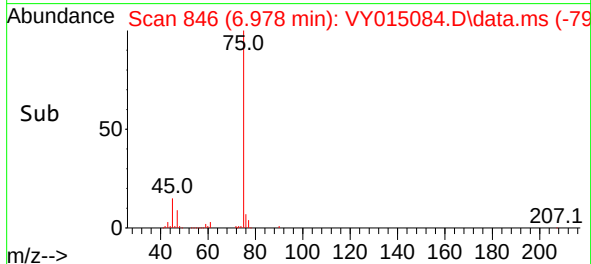
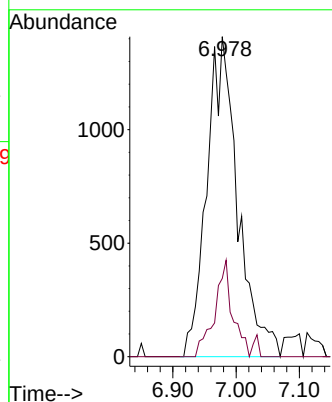
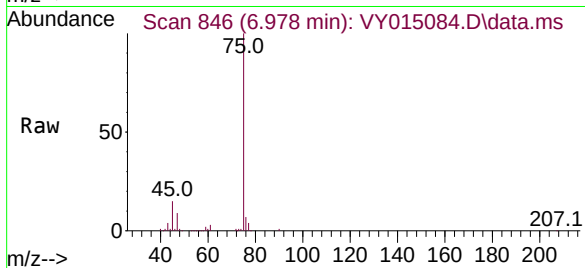
WC-15

Tgt Ion: 43 Resp: 4781

Ion Ratio Lower Upper

43 100

72 24.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 2.023 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015084.D

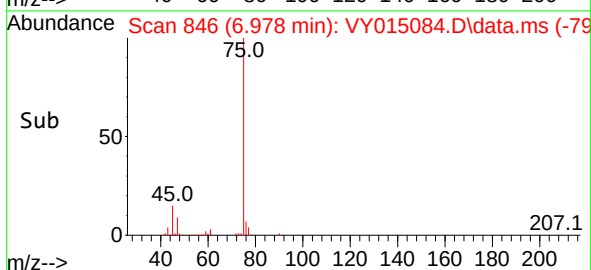
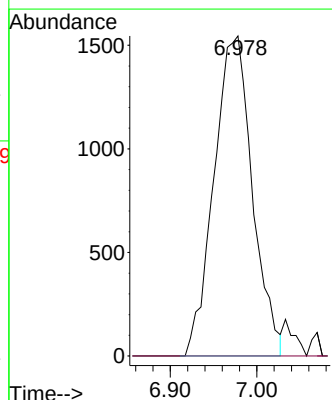
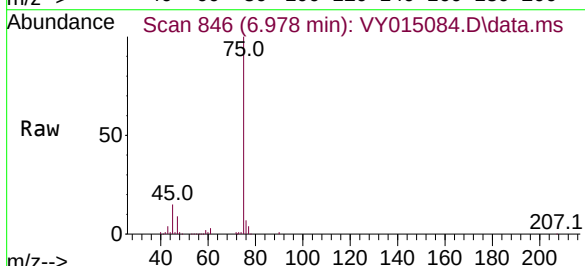
Acq: 14 Aug 2023 17:11

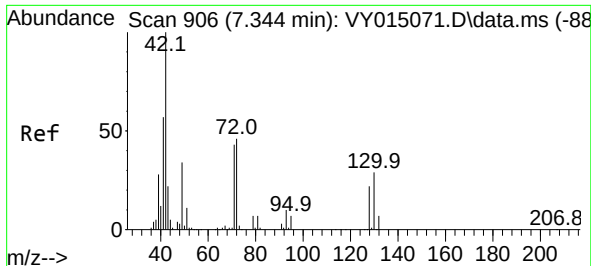
Tgt Ion: 77 Resp: 4761

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.036 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

Instrument :

MSVOA_Y

ClientSampleId :

WC-15

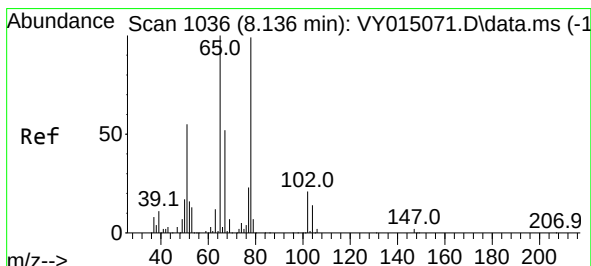
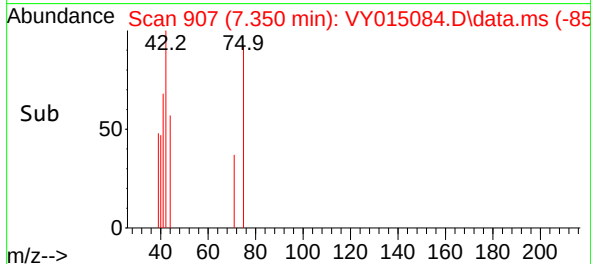
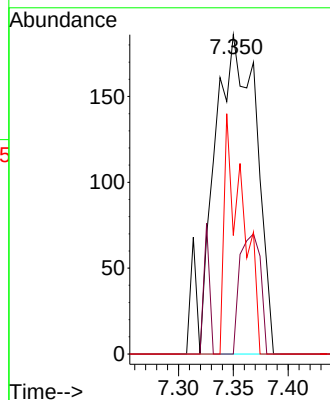
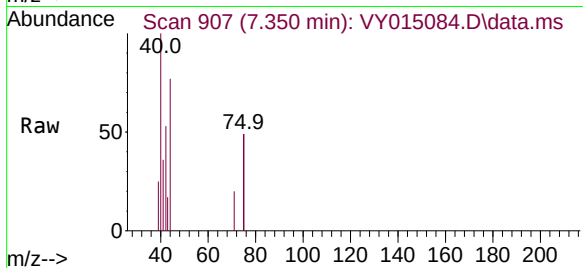
Tgt Ion: 42 Resp: 504

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 32.3 31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 56.123 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015084.D

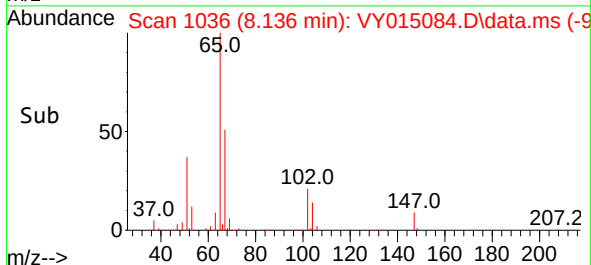
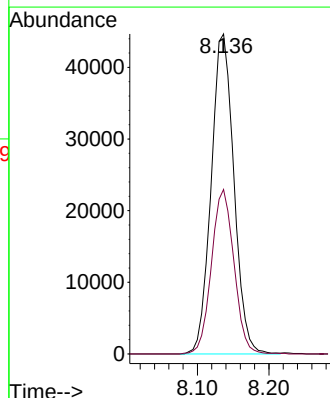
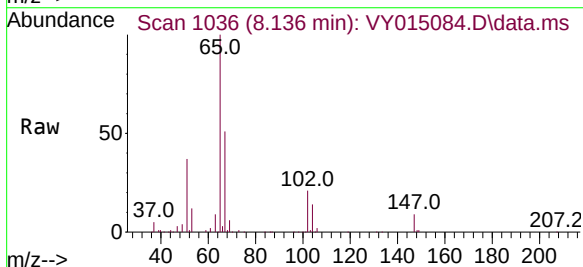
Acq: 14 Aug 2023 17:11

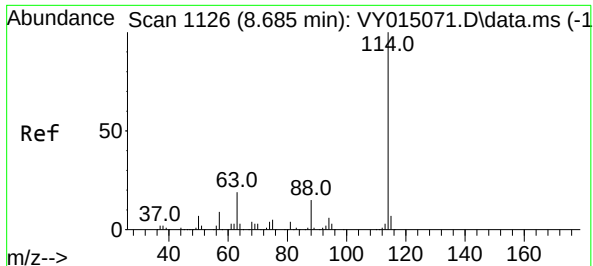
Tgt Ion: 65 Resp: 98676

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

Instrument :

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ClientSampleId :

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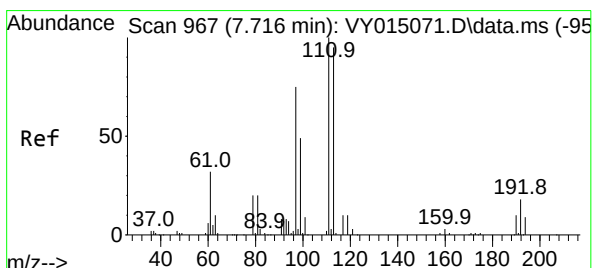
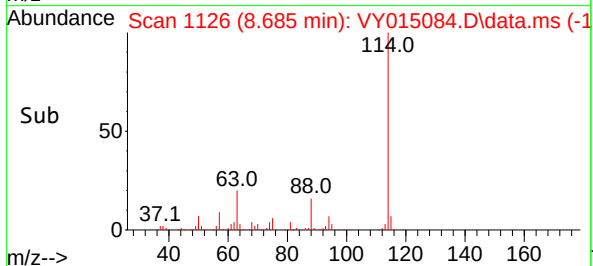
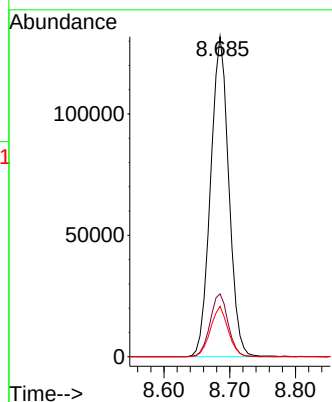
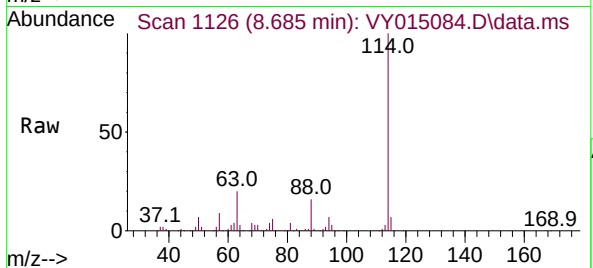
Tgt Ion:114 Resp: 254138

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.490 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

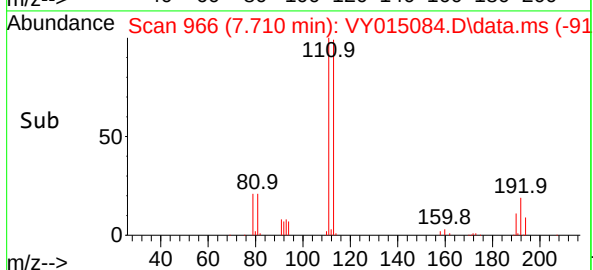
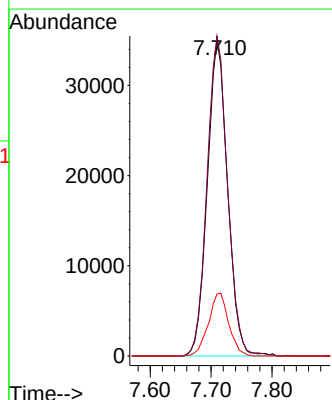
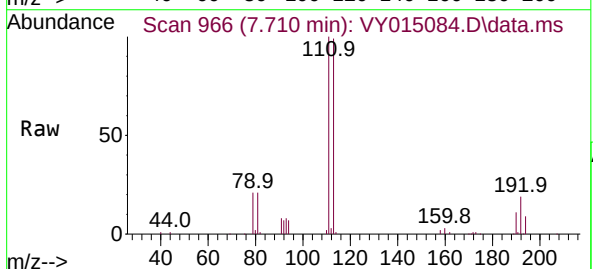
Tgt Ion:113 Resp: 80914

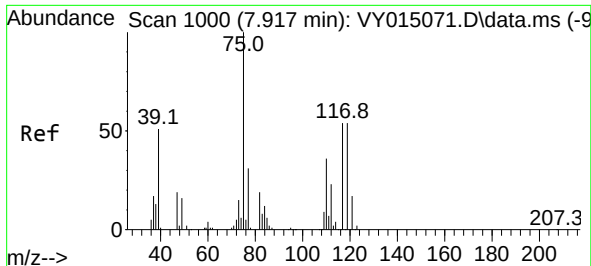
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.288 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

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WC-15

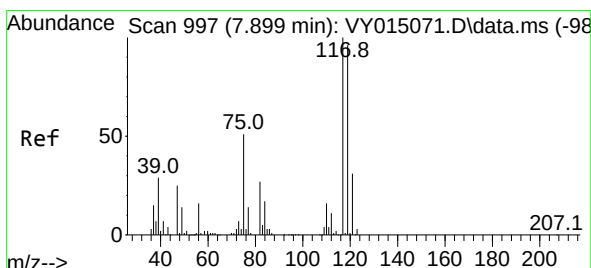
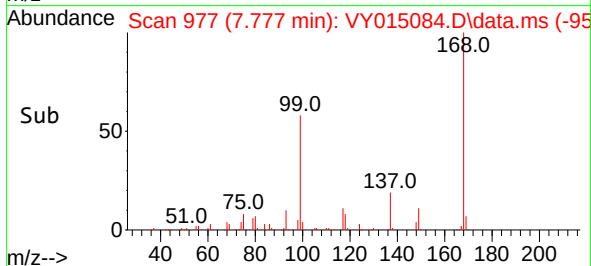
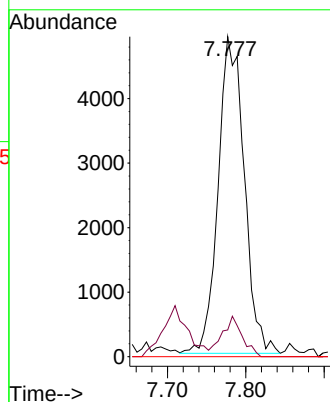
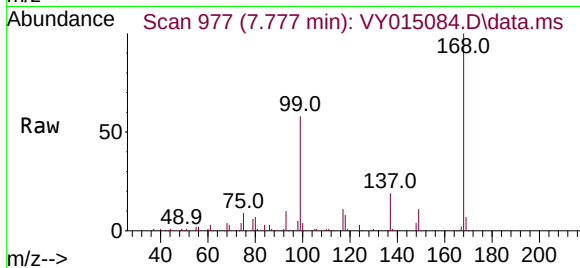
Tgt Ion: 75 Resp: 11373

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.926 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

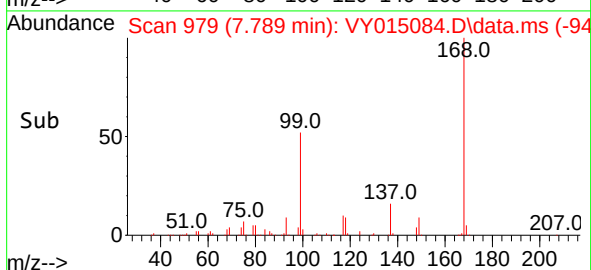
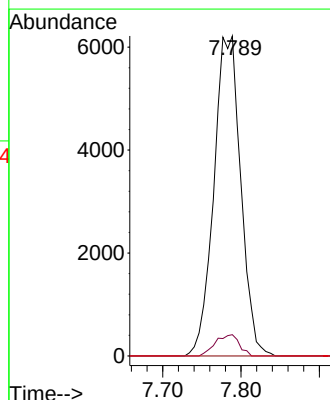
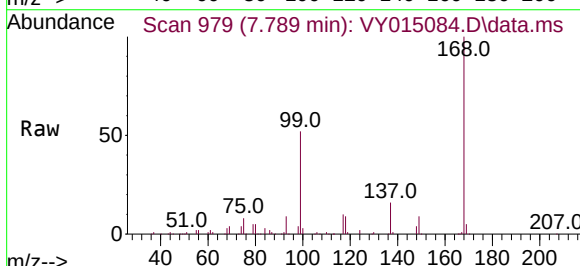
Tgt Ion: 117 Resp: 14826

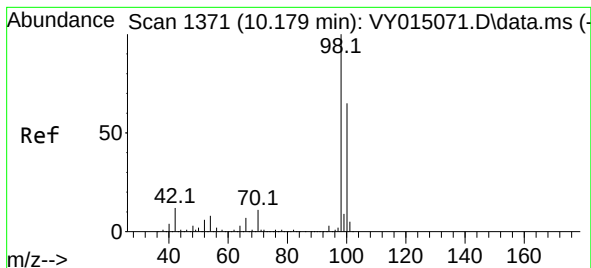
Ion Ratio Lower Upper

117 100

119 6.6 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.174 ug/l

RT: 10.173 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

Instrument :

MSVOA_Y

ClientSampleId :

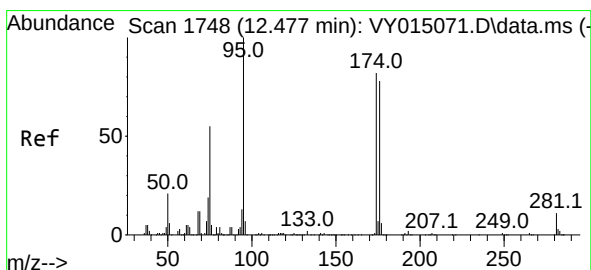
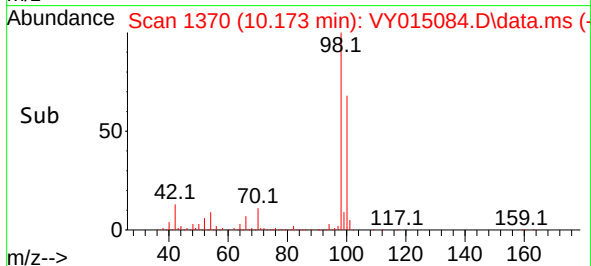
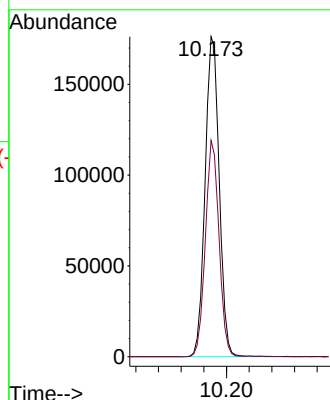
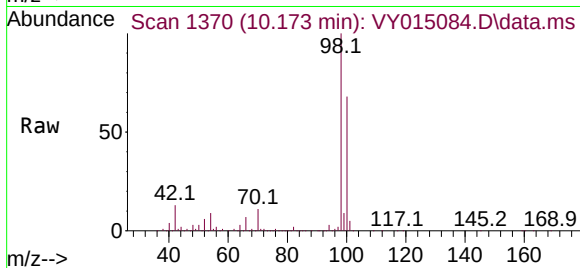
WC-15

Tgt Ion: 98 Resp: 305372

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.528 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015084.D

Acq: 14 Aug 2023 17:11

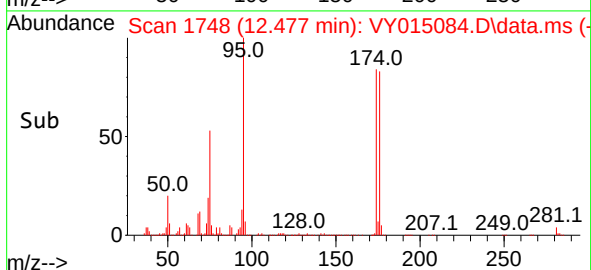
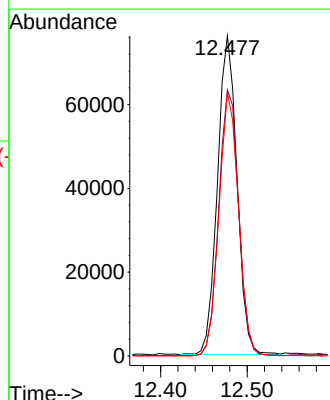
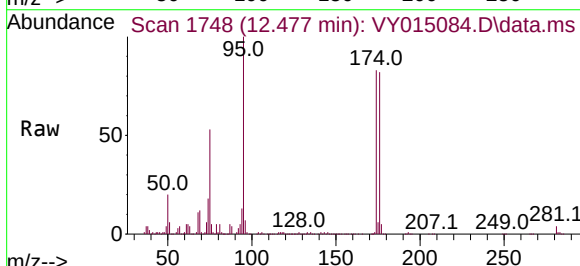
Tgt Ion: 95 Resp: 118993

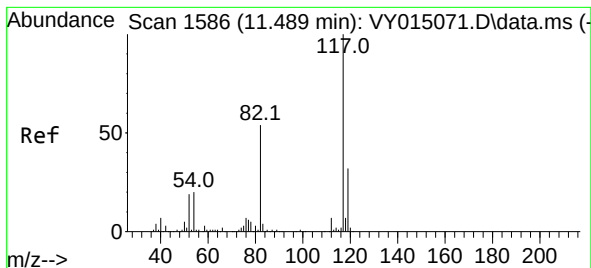
Ion Ratio Lower Upper

95 100

174 85.0 0.0 178.2

176 82.5 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: VY015084.D

Acq: 14 Aug 2023 17:11

Instrument :

MSVOA_Y

ClientSampleId :

WC-15

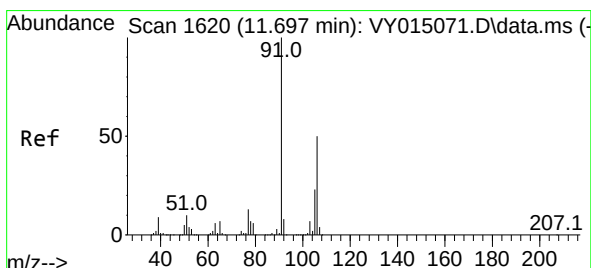
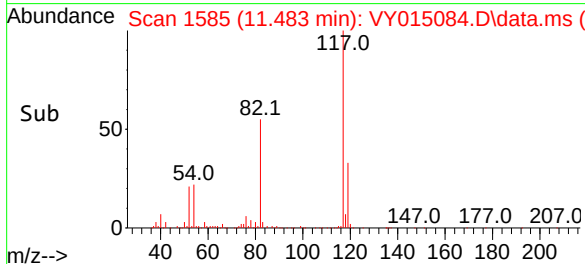
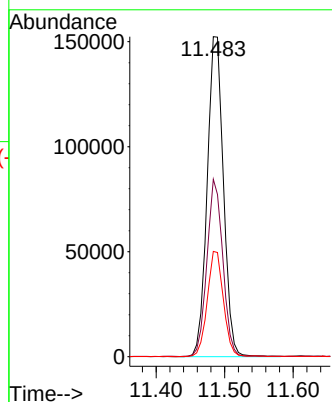
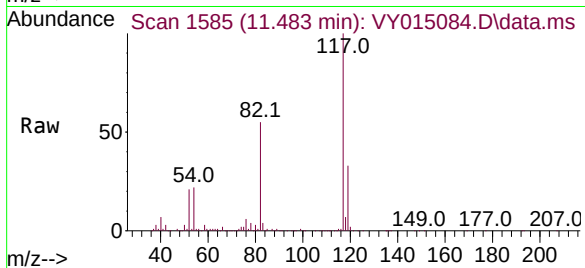
Tgt Ion:117 Resp: 251681

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 32.9 26.3 39.5



#68

m/p-Xylenes

Concen: 1.374 ug/l

RT: 11.691 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VY015084.D

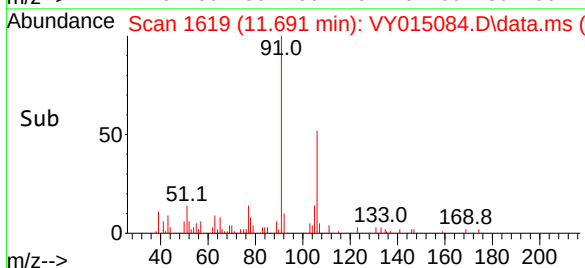
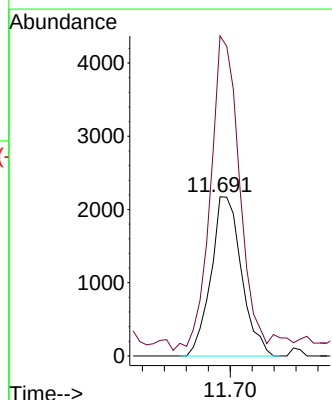
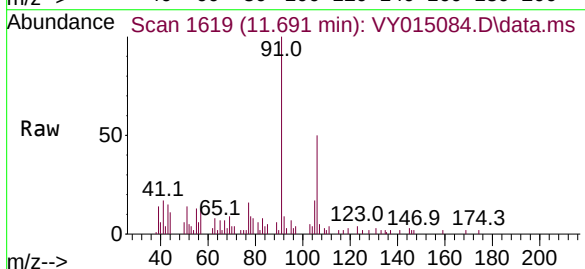
Acq: 14 Aug 2023 17:11

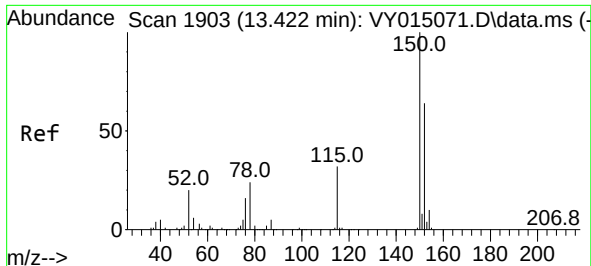
Tgt Ion:106 Resp: 4194

Ion Ratio Lower Upper

106 100

91 188.0 166.1 249.1

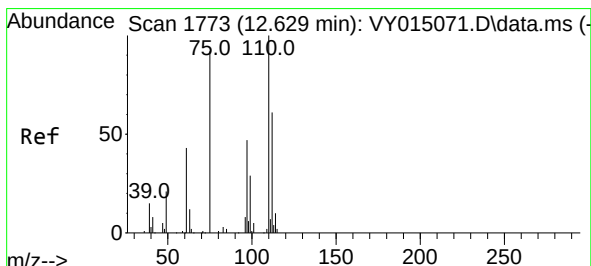
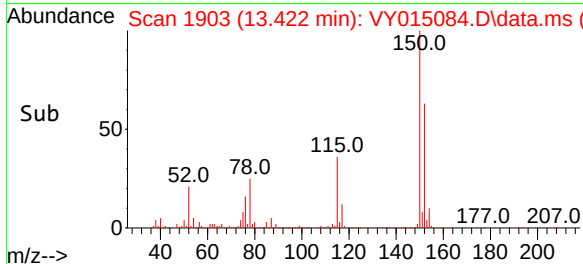
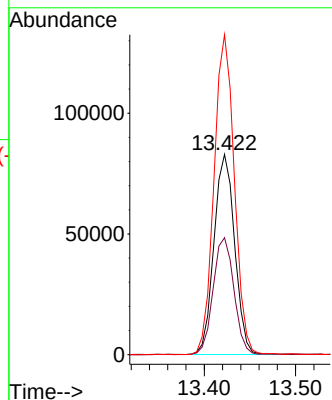
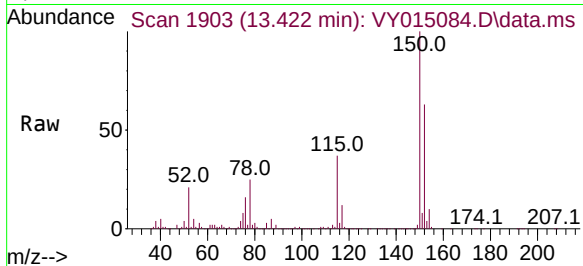




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015084.D
 Acq: 14 Aug 2023 17:11

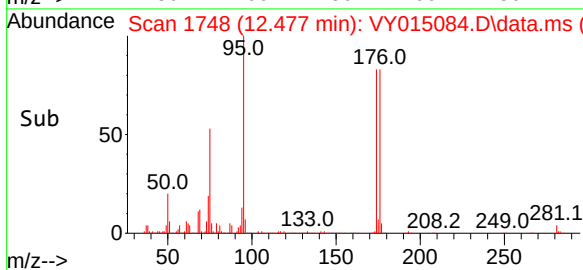
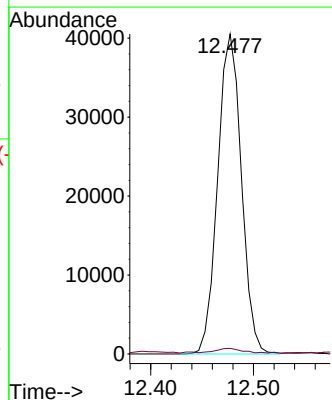
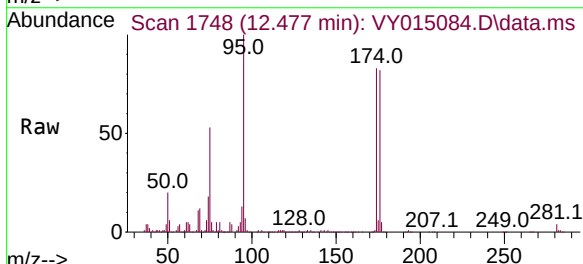
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15

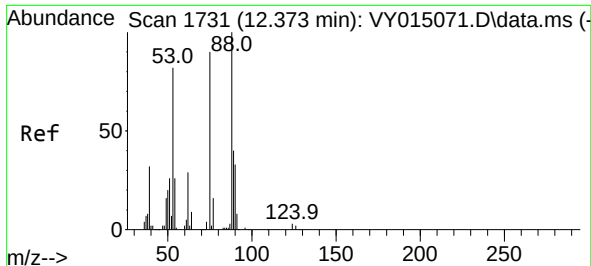
Tgt Ion:152 Resp: 130401
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 157.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.879 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015084.D
 Acq: 14 Aug 2023 17:11

Tgt Ion: 75 Resp: 64763
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

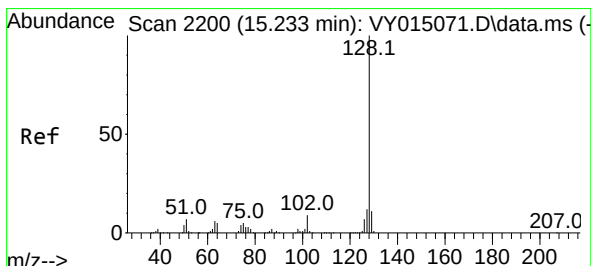
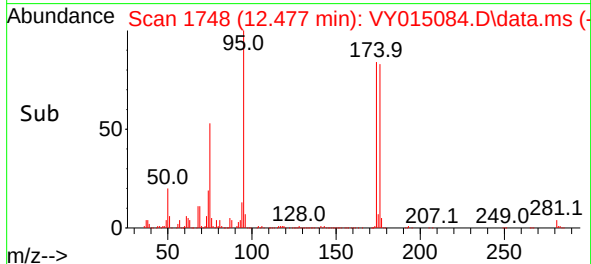
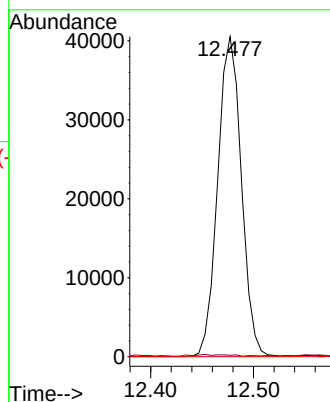
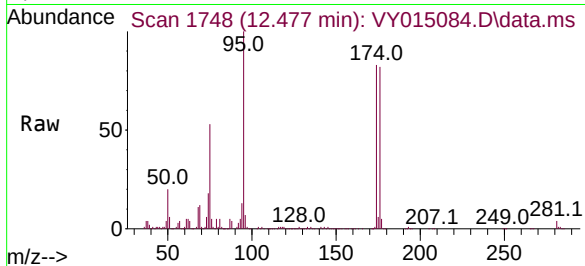




#81
trans-1,4-Dichloro-2-butene
Concen: 89.789 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

Instrument :
MSVOA_Y
ClientSampleId :
WC-15

Tgt Ion: 75 Resp: 64763
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.538 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015084.D
Acq: 14 Aug 2023 17:11

Tgt Ion: 128 Resp: 9316
Ion Ratio Lower Upper
128 100
127 14.4 10.8 16.2
129 13.9 8.6 13.0#

