

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090822\
 Data File : VY010392.D
 Acq On : 08 Sep 2022 13:51
 Operator : KP/MD
 Sample : N4490-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14-B-SP-GR

Quant Time: Sep 08 16:24:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

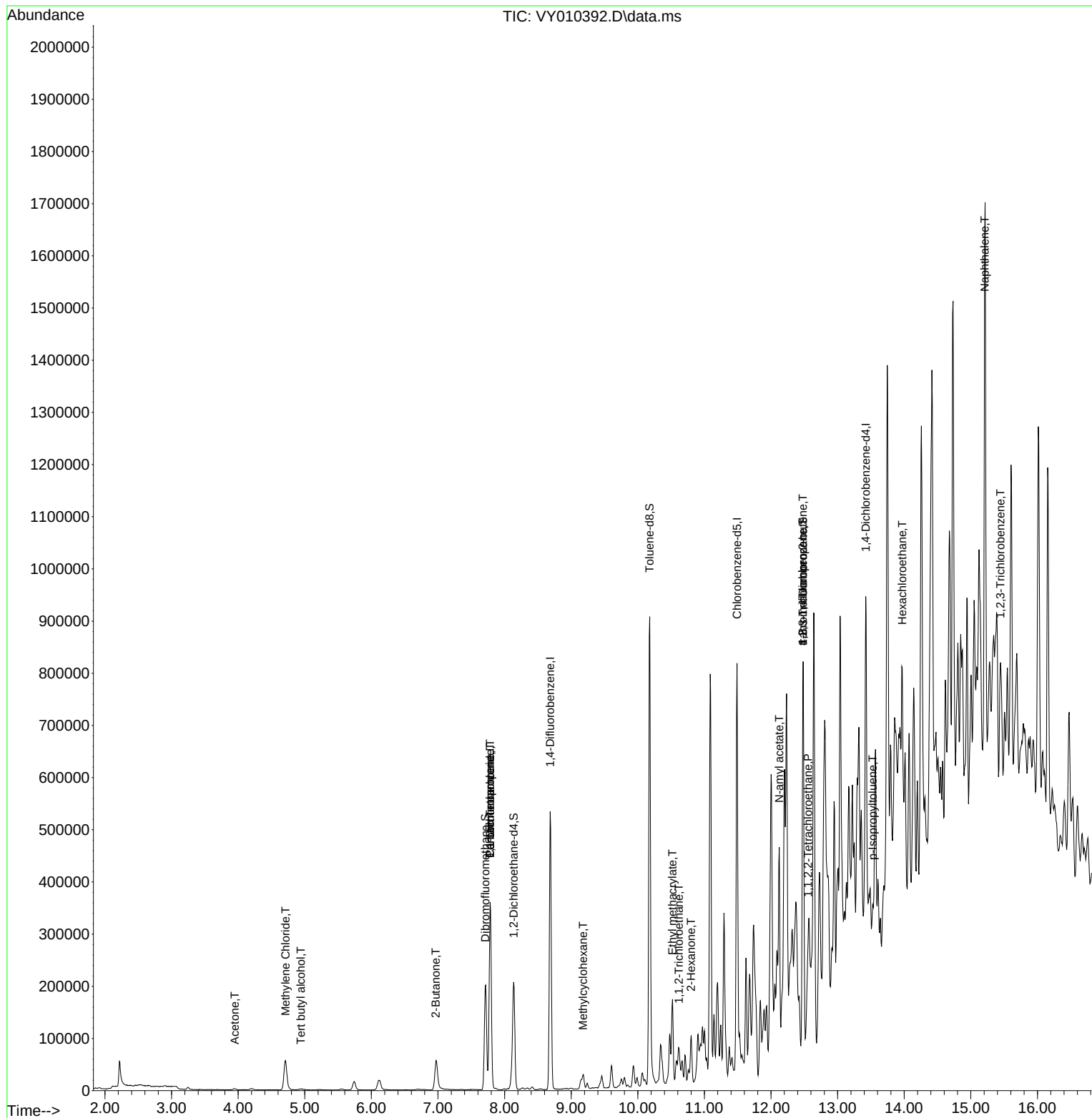
Internal Standards						
1) Pentafluorobenzene	7.783	168	290699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	472494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	420171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151473	50.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.640%	
35) Dibromofluoromethane	7.710	113	143705	45.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.380%	
50) Toluene-d8	10.179	98	549497	52.178	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.360%	
62) 4-Bromofluorobenzene	12.477	95	190586	44.494	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.980%	
Target Compounds						Qvalue
5) Bromomethane	2.650	94	342	Below Cal	#	57
11) Tert butyl alcohol	4.942	59	2009	5.634	ug/l #	95
16) Acetone	3.948	43	4337	5.820	ug/l	97
20) Methylene Chloride	4.710	84	43468	12.088	ug/l	85
25) 2-Butanone	6.966	43	3605	2.948	ug/l #	83
36) 1,1-Dichloropropene	7.783	75	19739	4.277	ug/l #	52
38) Carbon Tetrachloride	7.783	117	27522	5.786	ug/l #	16
39) Methylcyclohexane	9.179	83	12475	2.094	ug/l	97
55) 1,1,2-Trichloroethane	10.618	97	27447	10.454	ug/l #	21
56) Ethyl methacrylate	10.520	69	14389	3.709	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.801	63	44	Below Cal	#	1
59) 2-Hexanone	10.800	43	34875	19.327	ug/l #	34
74) N-amyl acetate	12.123	43	86286	20.918	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.556	83	19084	6.641	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	92291	41.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92291	86.327	ug/l #	10
86) p-Isopropyltoluene	13.526	119	27528	2.071	ug/l	88
90) Hexachloroethane	13.971	117	7619	2.986	ug/l #	6
95) Naphthalene	15.208	128	8278	1.095	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.446	180	4938	1.600	ug/l #	13

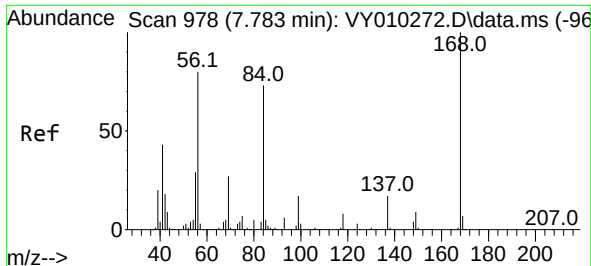
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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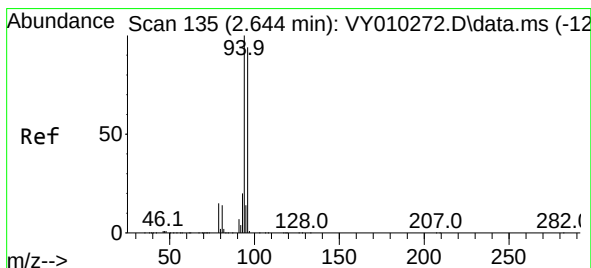
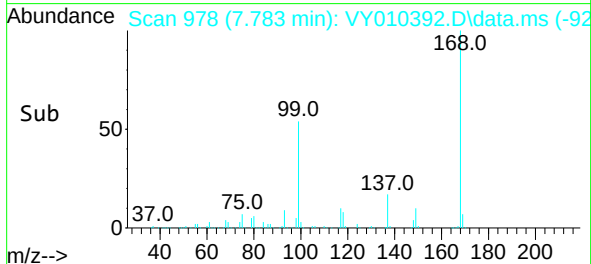
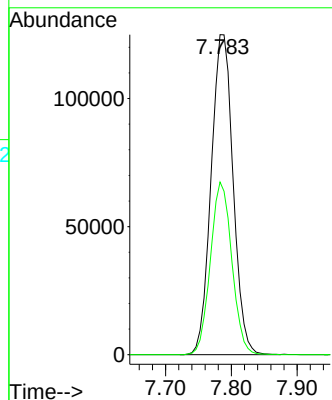
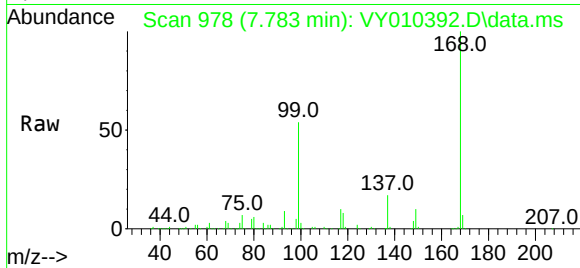




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

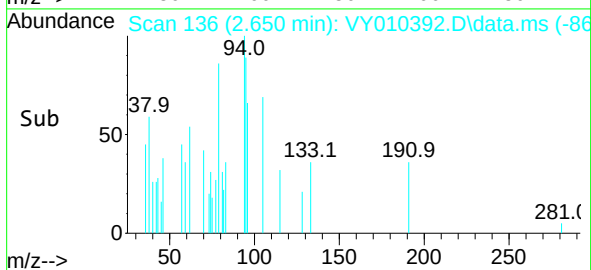
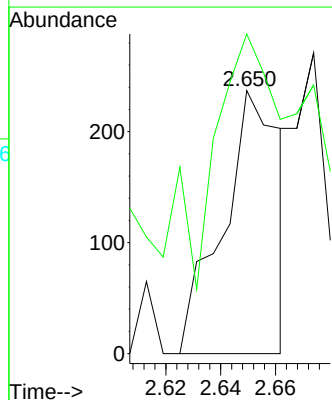
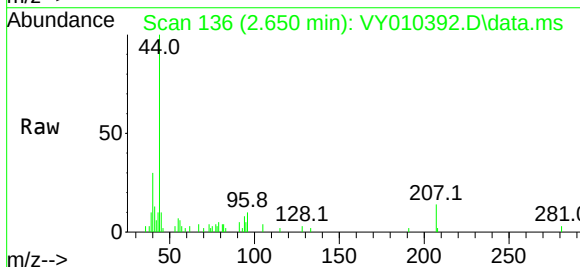
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

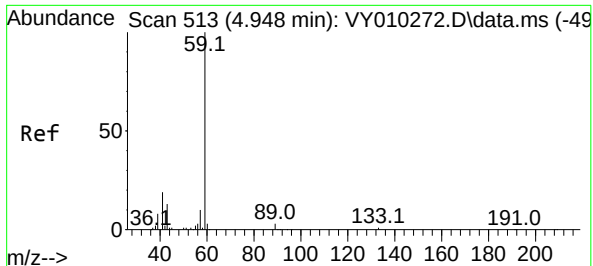
Tgt Ion:168 Resp: 290699
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 50.6 73.5 110.3#

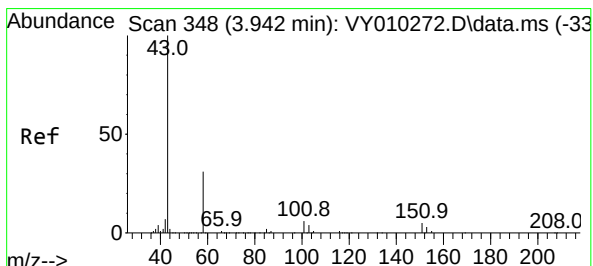
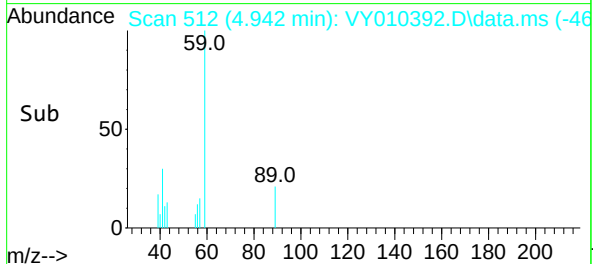
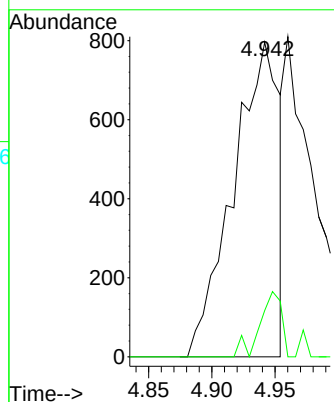
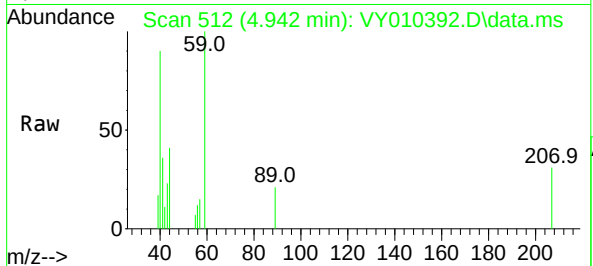




#11
Tert butyl alcohol
Concen: 5.634 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

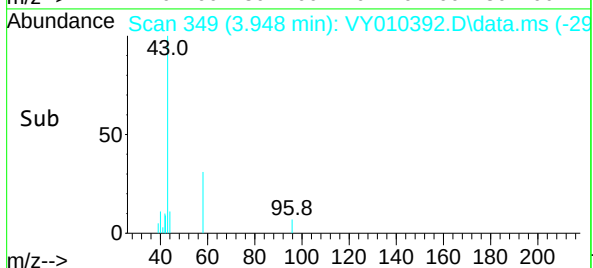
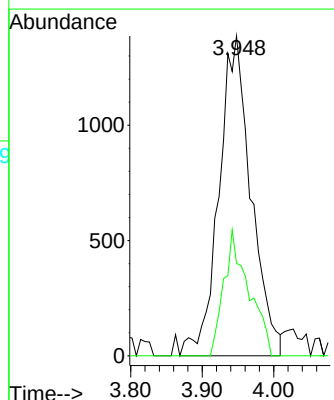
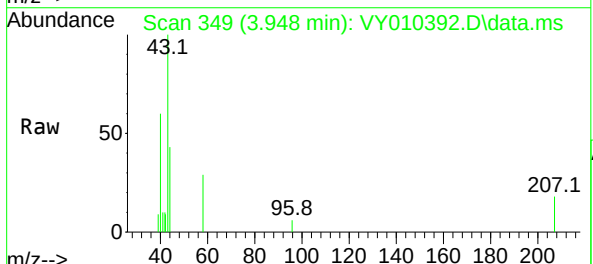
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

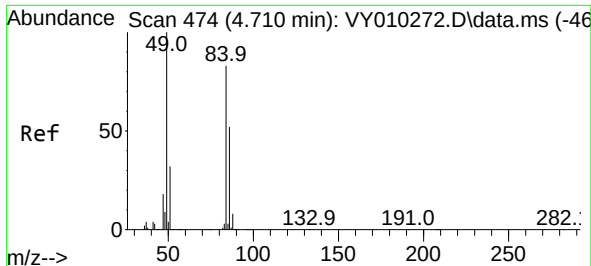
Tgt Ion: 59 Resp: 2009
Ion Ratio Lower Upper
59 100
57 9.8 6.4 9.6#



#16
Acetone
Concen: 5.820 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 43 Resp: 4337
Ion Ratio Lower Upper
43 100
58 28.9 22.0 33.0





#20

Methylene Chloride

Concen: 12.088 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010392.D

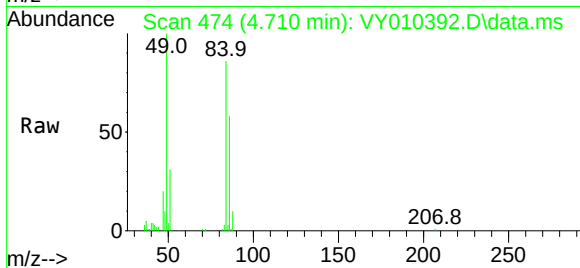
Acq: 08 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-14-B-SP-GR



Tgt Ion: 84 Resp: 43468

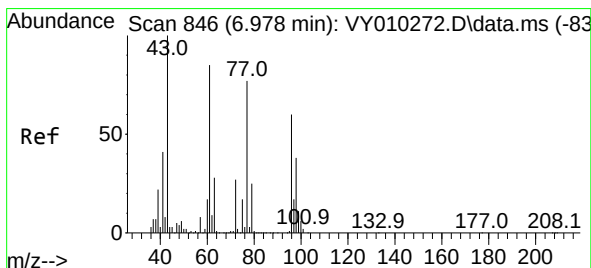
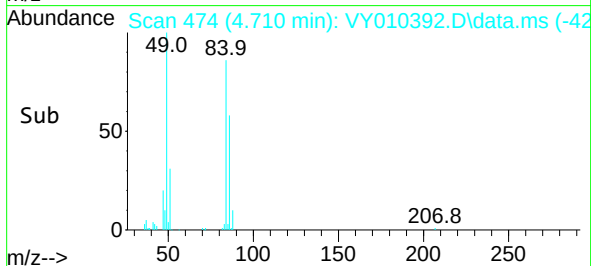
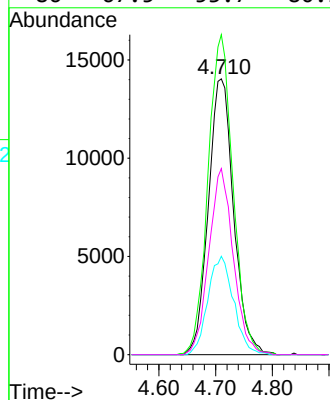
Ion Ratio Lower Upper

84 100

49 116.0 114.4 171.6

51 35.7 35.3 52.9

86 67.5 53.7 80.5



#25

2-Butanone

Concen: 2.948 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010392.D

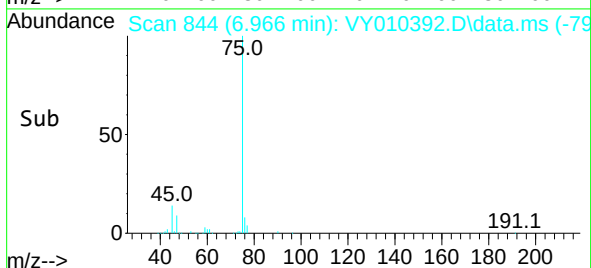
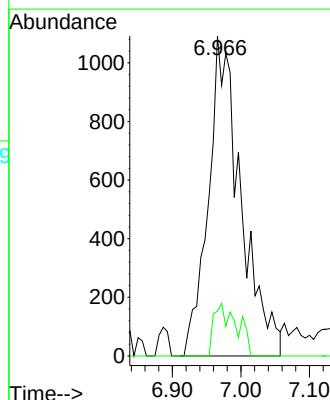
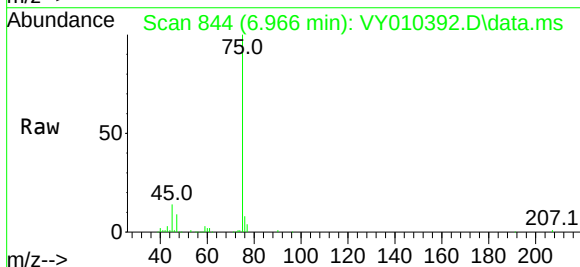
Acq: 08 Sep 2022 13:51

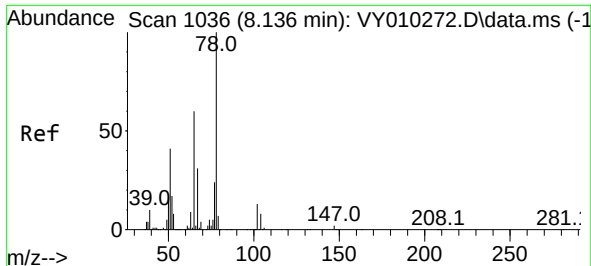
Tgt Ion: 43 Resp: 3605

Ion Ratio Lower Upper

43 100

72 13.9 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 50.816 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010392.D

Acq: 08 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

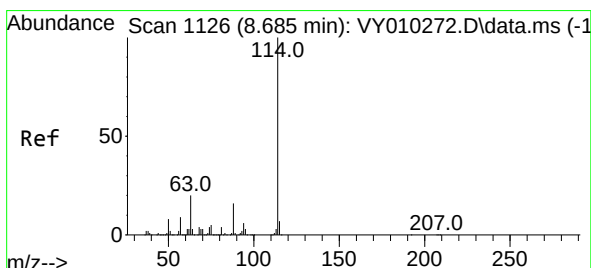
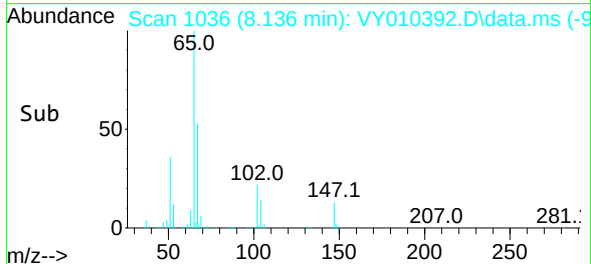
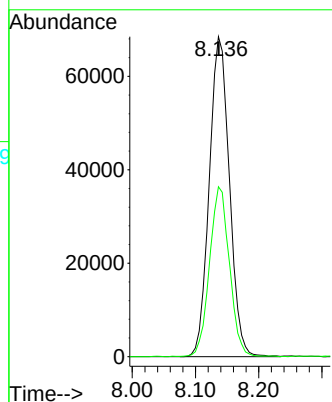
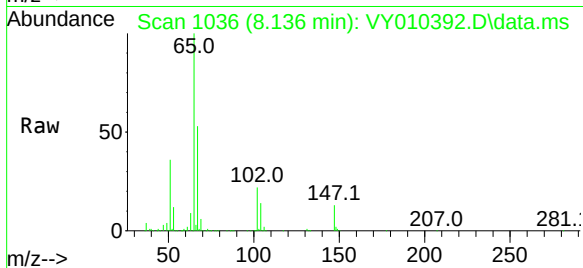
WC-14-B-SP-GR

Tgt Ion: 65 Resp: 151473

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010392.D

Acq: 08 Sep 2022 13:51

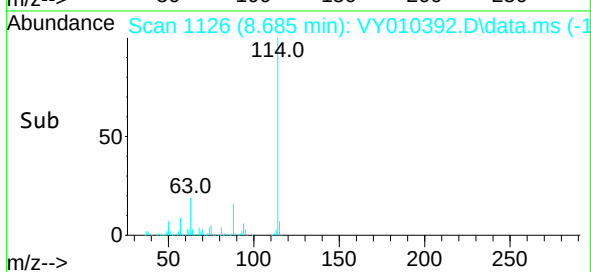
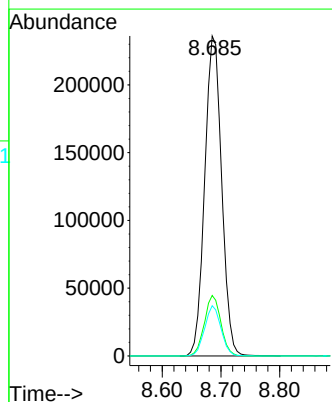
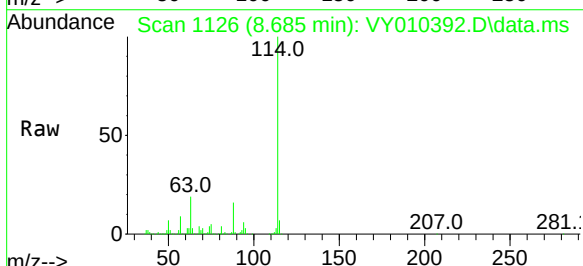
Tgt Ion: 114 Resp: 472494

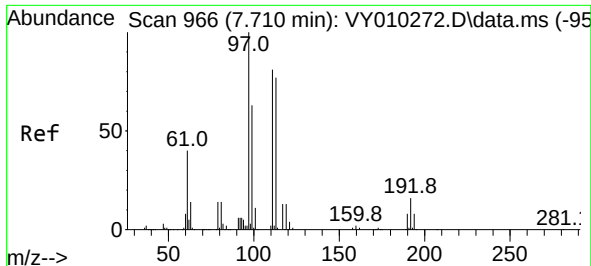
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.7 0.0 31.8

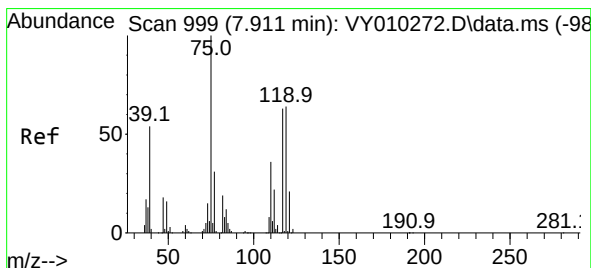
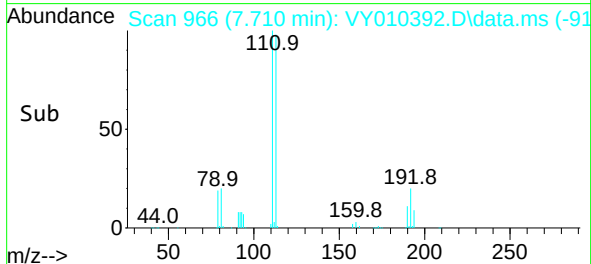
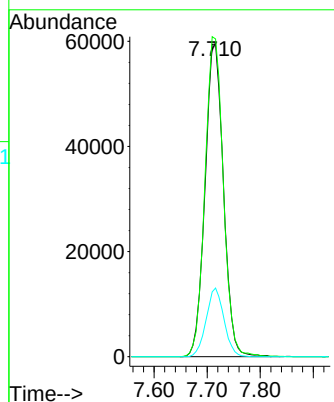
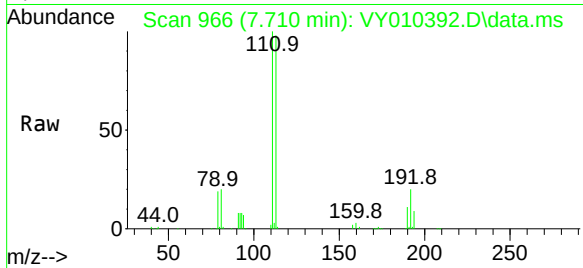




#35
Dibromofluoromethane
Concen: 45.686 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

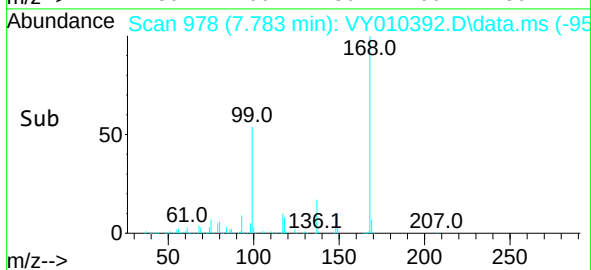
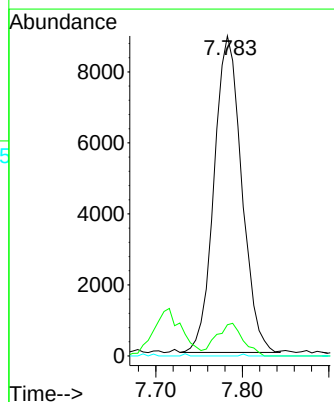
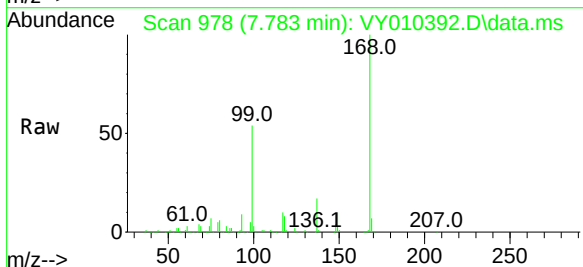
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WC-14-B-SP-GR

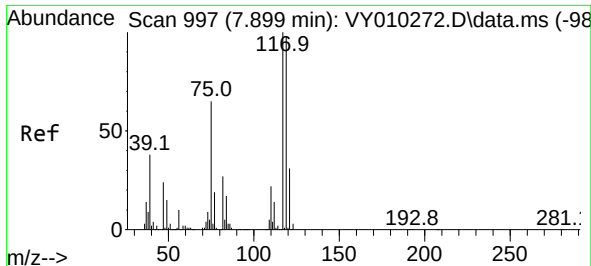
Tgt Ion:113 Resp: 143705
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 21.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 75 Resp: 19739
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.1 24.4 36.6#

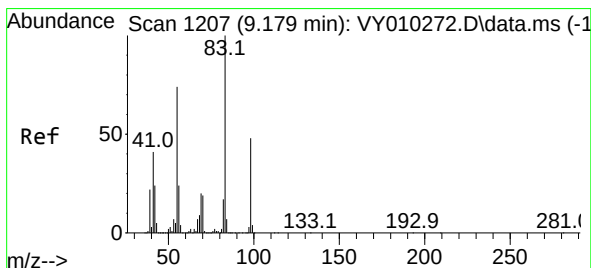
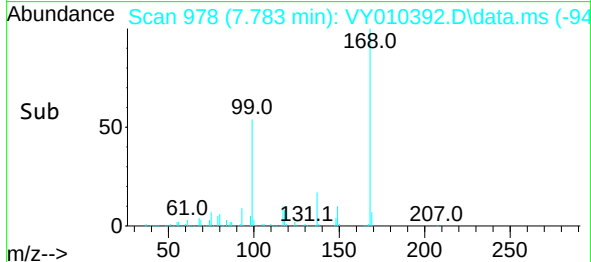
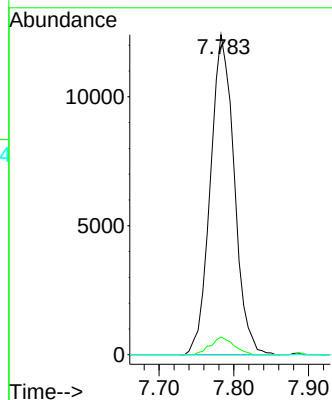
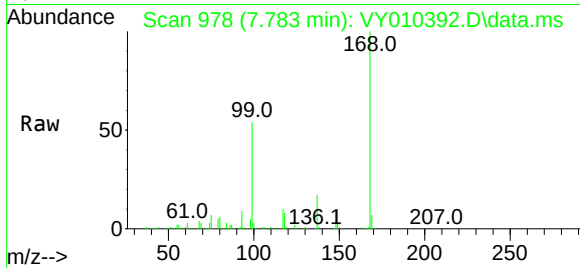




#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

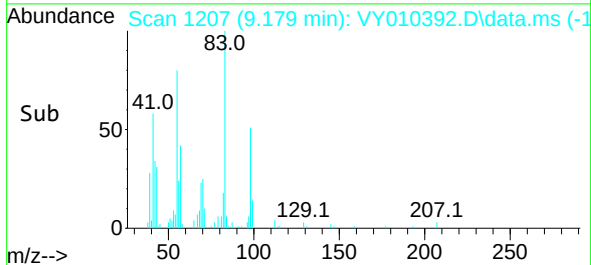
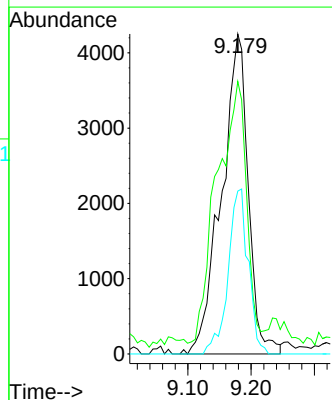
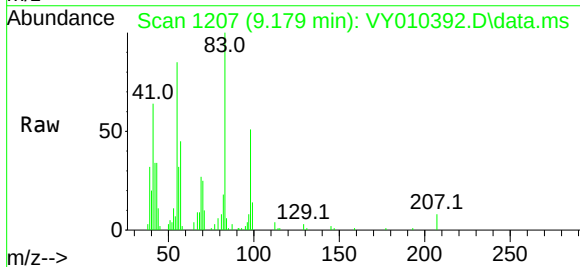
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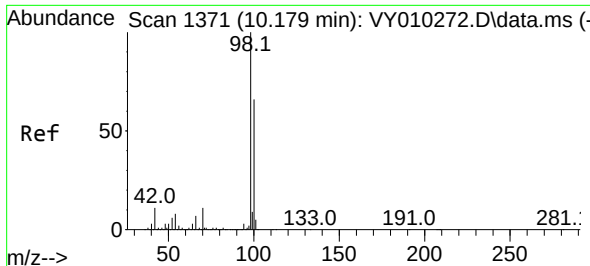
Tgt Ion:117 Resp: 27522
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.094 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 83 Resp: 12475
Ion Ratio Lower Upper
83 100
55 80.9 66.5 99.7
98 50.9 37.9 56.9

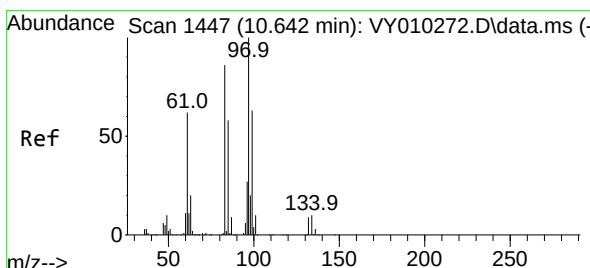
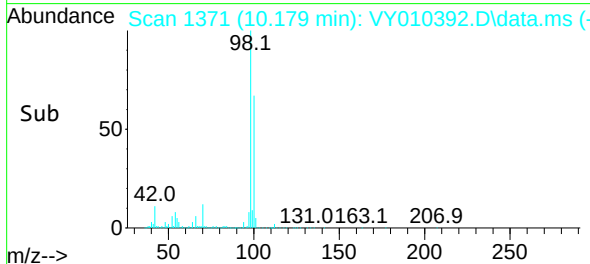
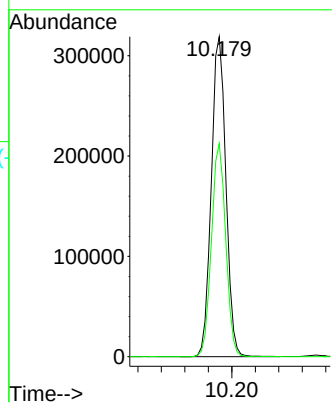
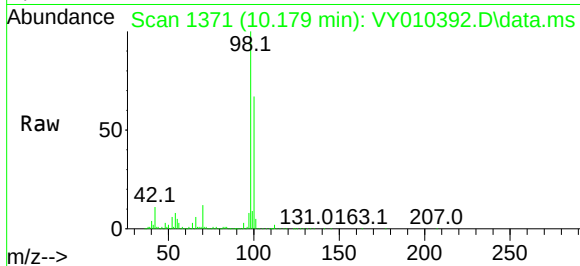




#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

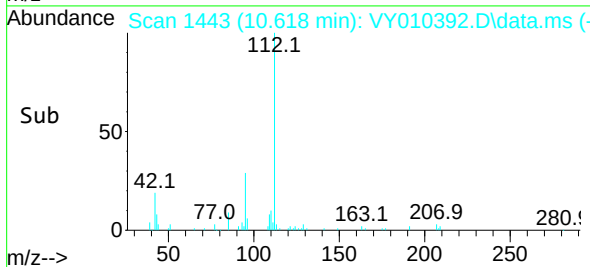
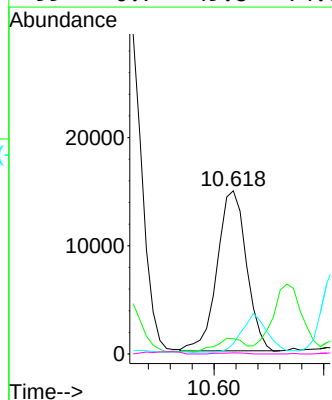
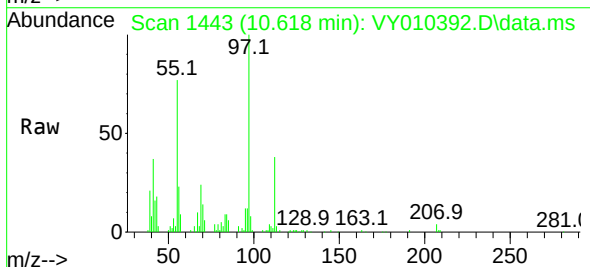
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

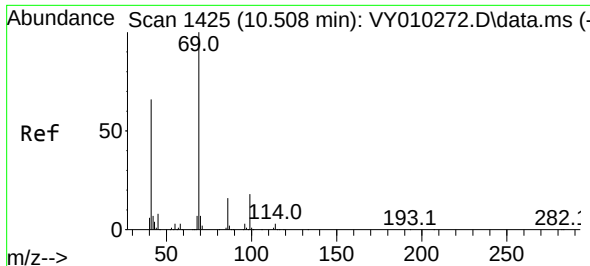
Tgt Ion: 98 Resp: 549497
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 10.454 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 97 Resp: 27447
Ion Ratio Lower Upper
97 100
83 7.9 69.8 104.8#
85 5.1 44.3 66.5#
99 0.7 49.8 74.6#

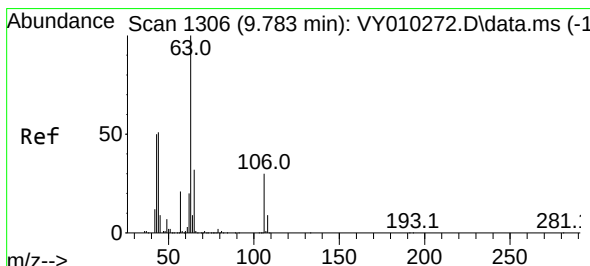
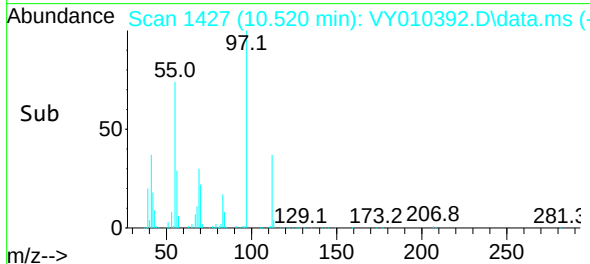
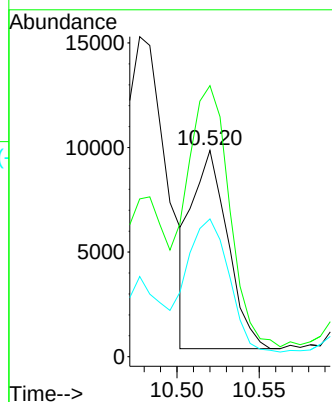
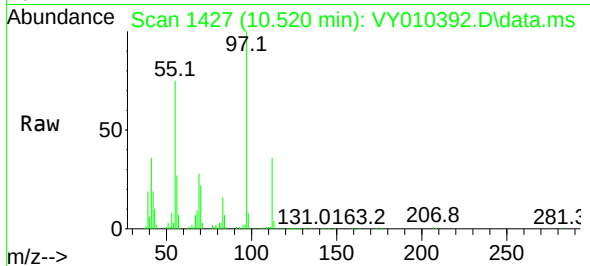




#56
Ethyl methacrylate
Concen: 3.709 ug/l
RT: 10.520 min Scan# 1425
Delta R.T. 0.012 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

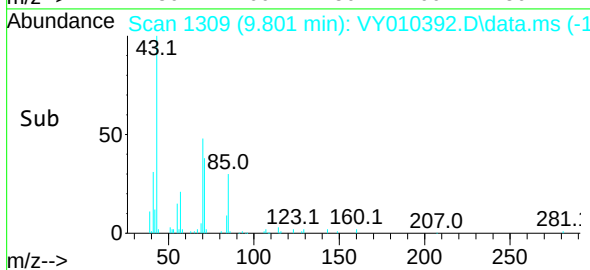
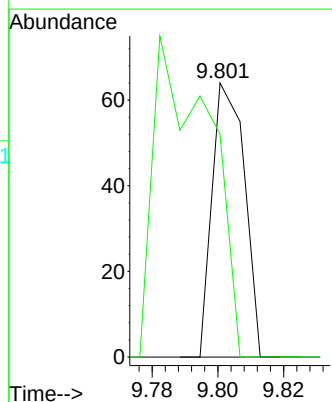
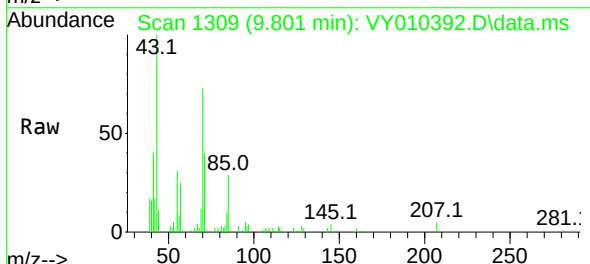
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

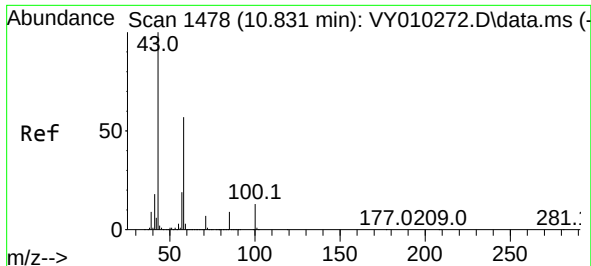
Tgt Ion: 69 Resp: 14389
Ion Ratio Lower Upper
69 100
41 156.1 63.4 95.0#
39 78.7 35.8 53.8#



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.801 min Scan# 1309
Delta R.T. 0.018 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 63 Resp: 44
Ion Ratio Lower Upper
63 100
106 200.0 21.5 32.3#

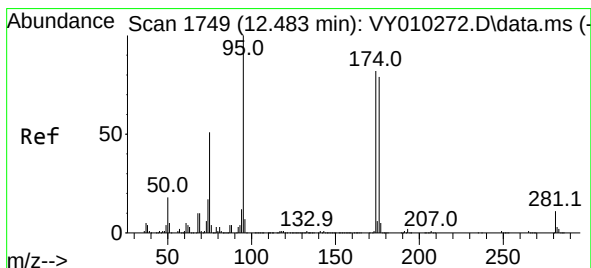
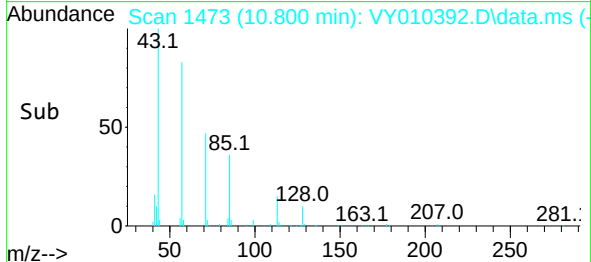
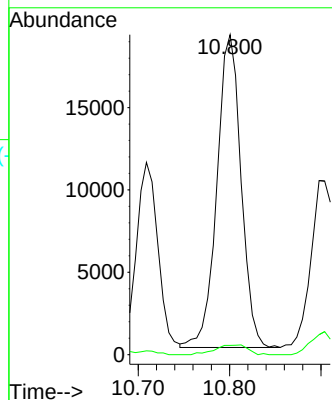
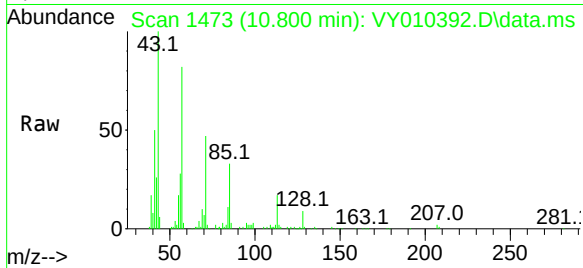




#59
2-Hexanone
Concen: 19.327 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

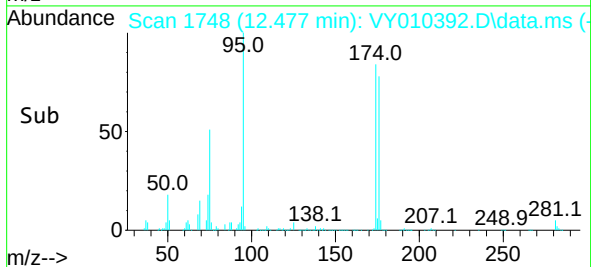
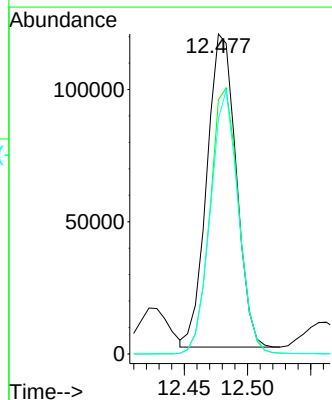
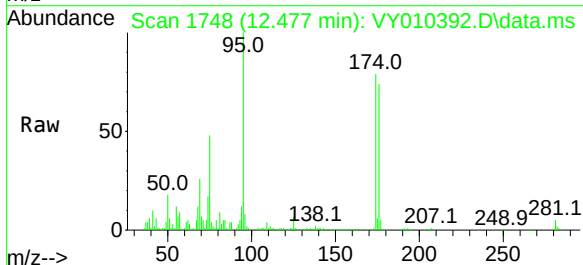
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

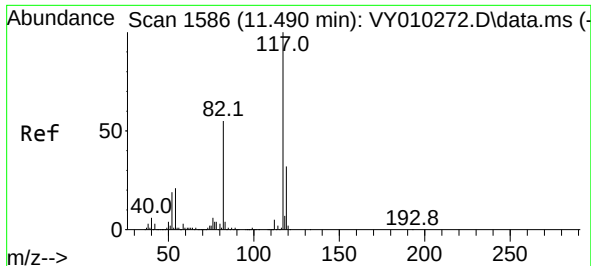
Tgt Ion: 43 Resp: 34875
Ion Ratio Lower Upper
43 100
58 4.2 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 44.494 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 95 Resp: 190586
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 80.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010392.D

Acq: 08 Sep 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-14-B-SP-GR

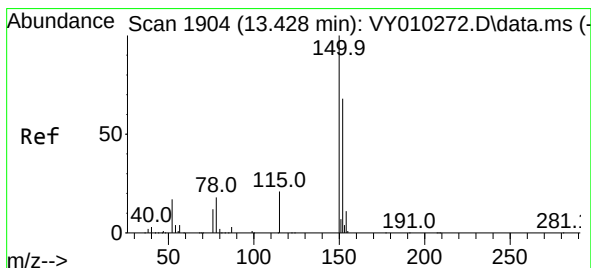
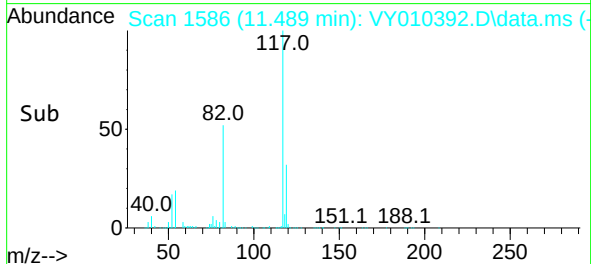
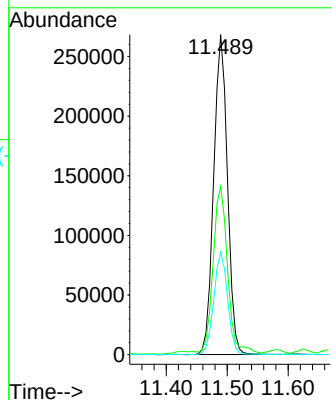
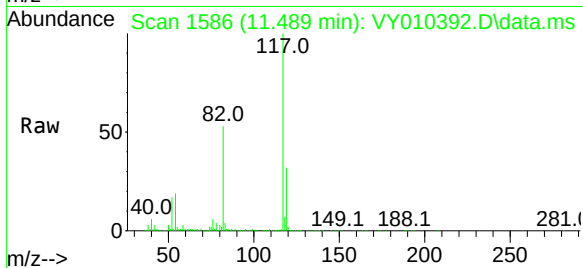
Tgt Ion:117 Resp: 420171

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.4

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY010392.D

Acq: 08 Sep 2022 13:51

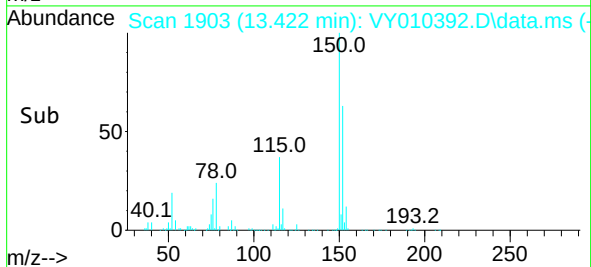
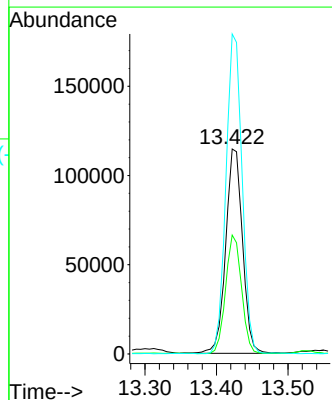
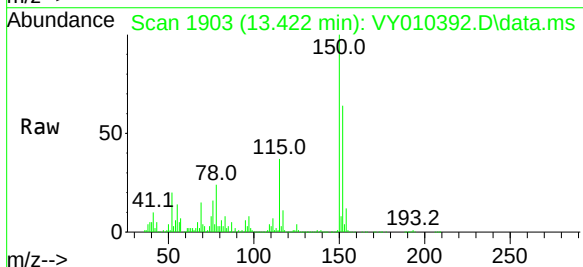
Tgt Ion:152 Resp: 187409

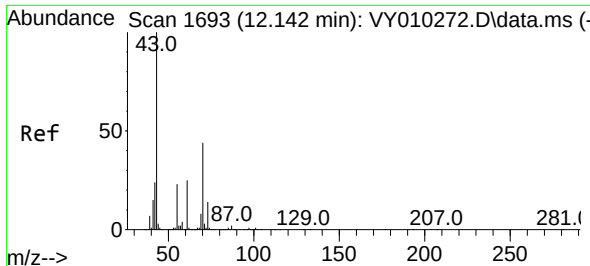
Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 149.2 0.0 347.6

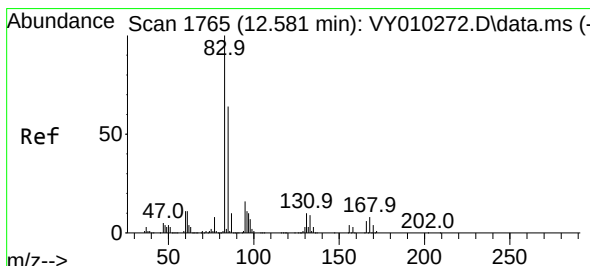
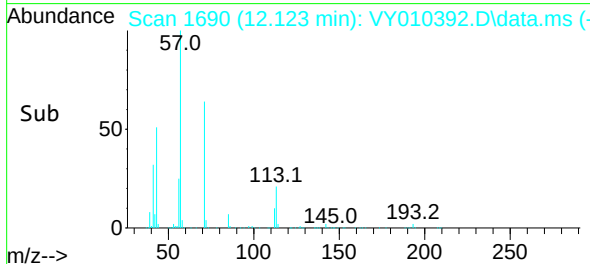
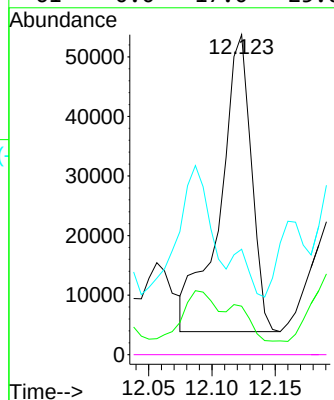
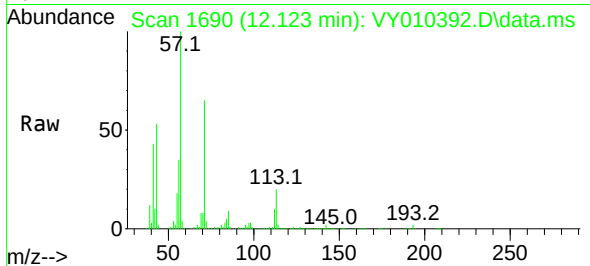




#74
N-amy1 acetate
Concen: 20.918 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

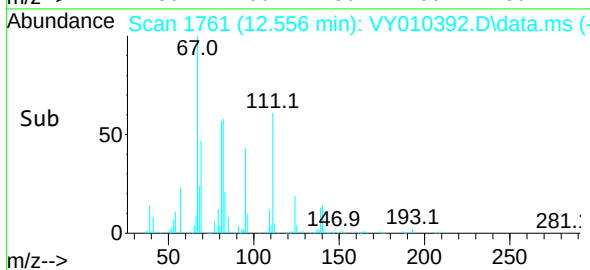
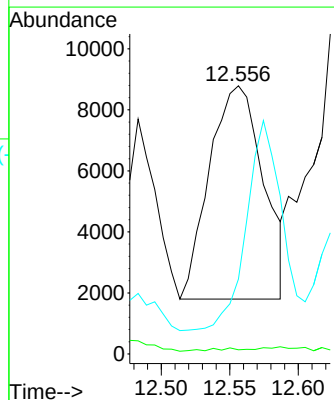
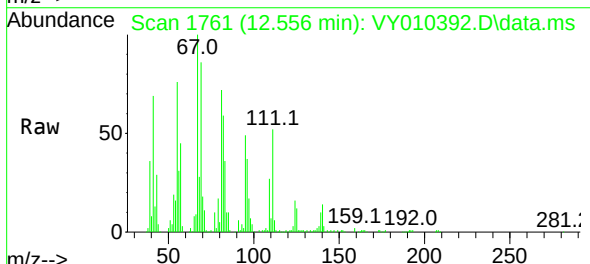
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

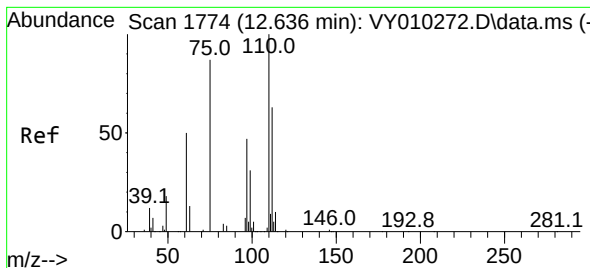
Tgt Ion: 43 Resp: 86286
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 6.641 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.025 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 83 Resp: 19084
Ion Ratio Lower Upper
83 100
131 0.6 5.6 16.8#
85 0.0 32.3 96.8#

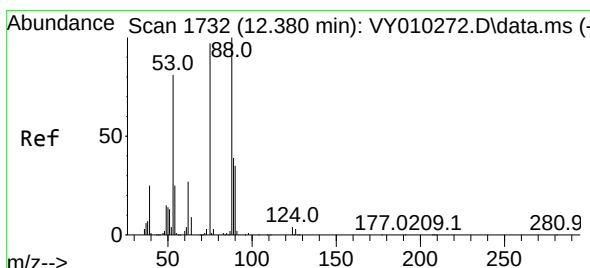
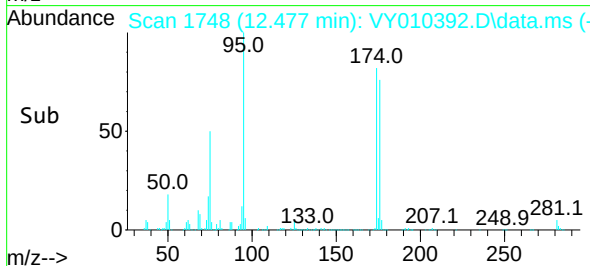
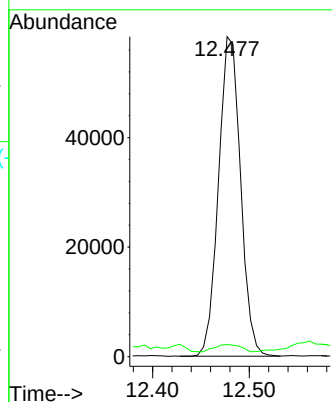
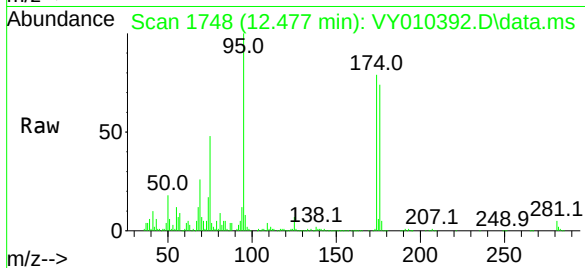




#76
1,2,3-Trichloropropane
Concen: 41.382 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

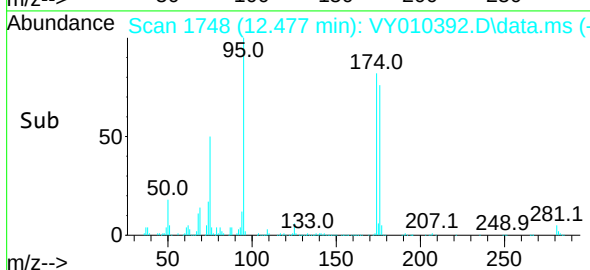
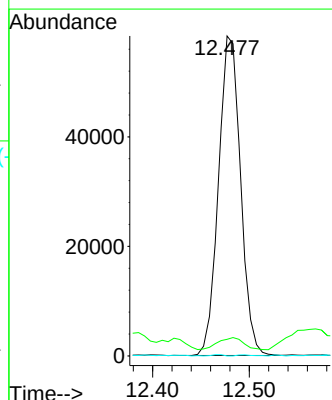
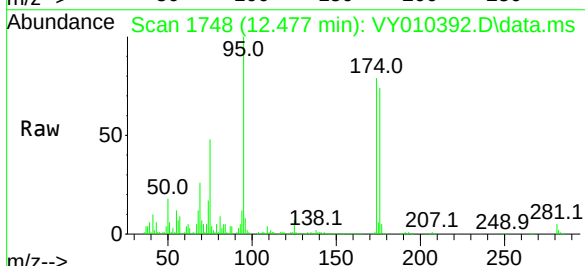
Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

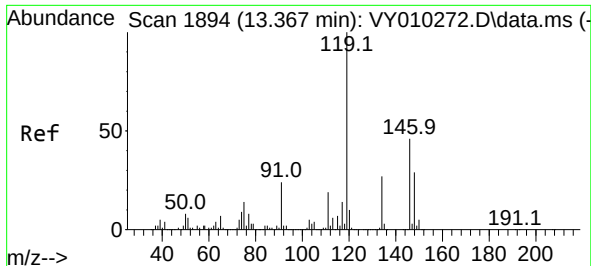
Tgt Ion: 75 Resp: 92291
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.327 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion: 75 Resp: 92291
Ion Ratio Lower Upper
75 100
53 4.3 85.3 127.9#
89 0.2 37.0 55.4#

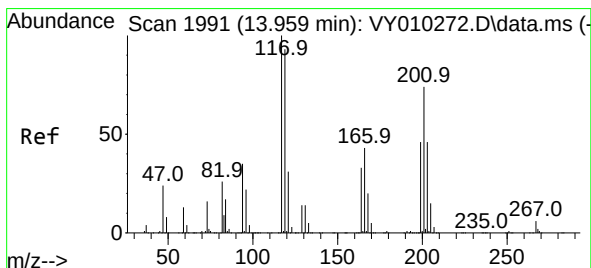
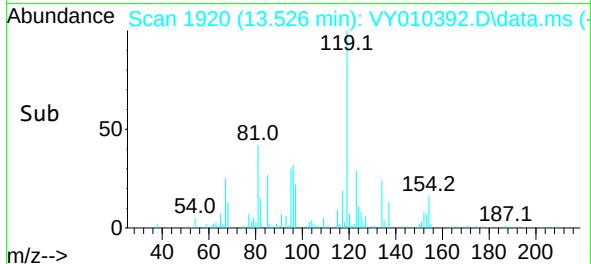
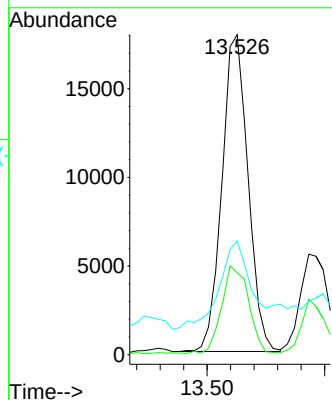
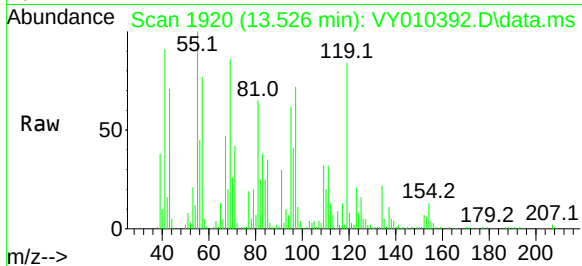




#86
 p-Isopropyltoluene
 Concen: 2.071 ug/l
 RT: 13.526 min Scan# 1920
 Delta R.T. 0.159 min
 Lab File: VY010392.D
 Acq: 08 Sep 2022 13:51

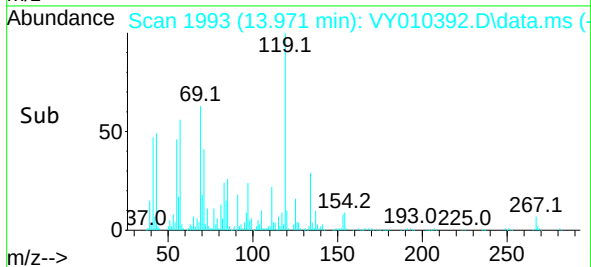
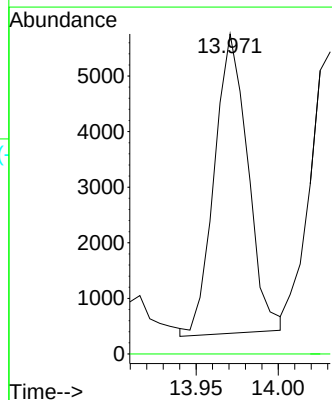
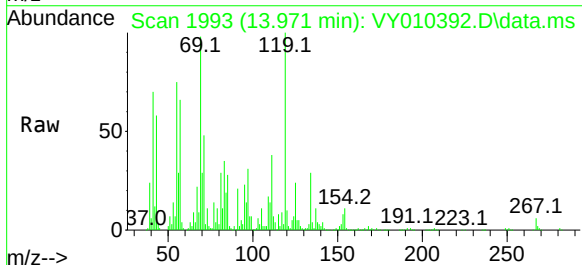
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14-B-SP-GR

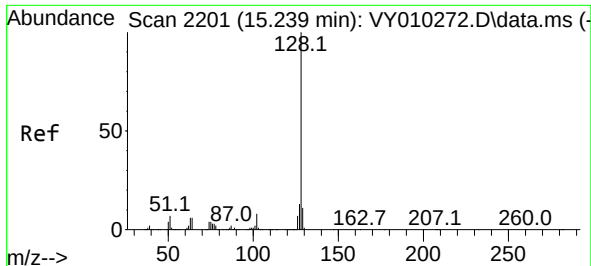
Tgt Ion:119 Resp: 27528
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.2 39.5
 91 35.3 12.4 37.2



#90
 Hexachloroethane
 Concen: 2.986 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY010392.D
 Acq: 08 Sep 2022 13:51

Tgt Ion:117 Resp: 7619
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

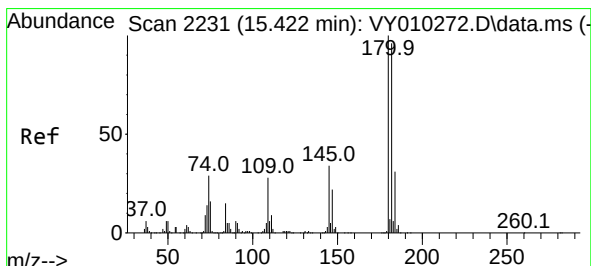
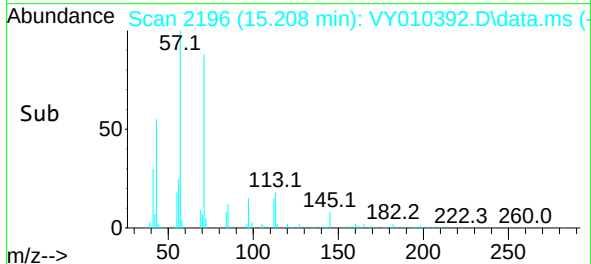
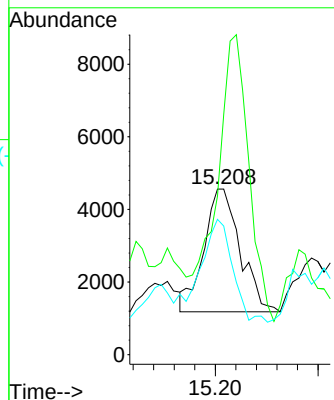
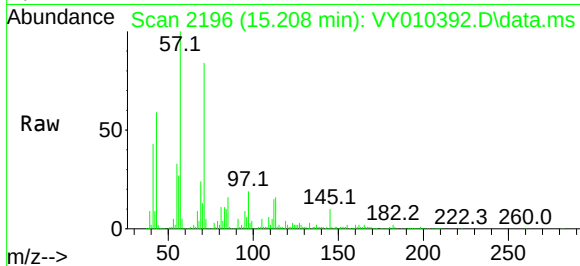




#95
Naphthalene
Concen: 1.095 ug/l
RT: 15.208 min Scan# 2196
Delta R.T. -0.031 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
WC-14-B-SP-GR

Tgt Ion:128 Resp: 8278
Ion Ratio Lower Upper
128 100
127 209.3 11.0 16.4#
129 70.3 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.600 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY010392.D
Acq: 08 Sep 2022 13:51

Tgt Ion:180 Resp: 4938
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.9#
145 0.0 15.3 45.9#

