

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014567.D
 Acq On : 05 Jul 2023 18:43
 Operator : KP/MD
 Sample : 03509-09
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-02-G

Quant Time: Jul 06 01:36:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

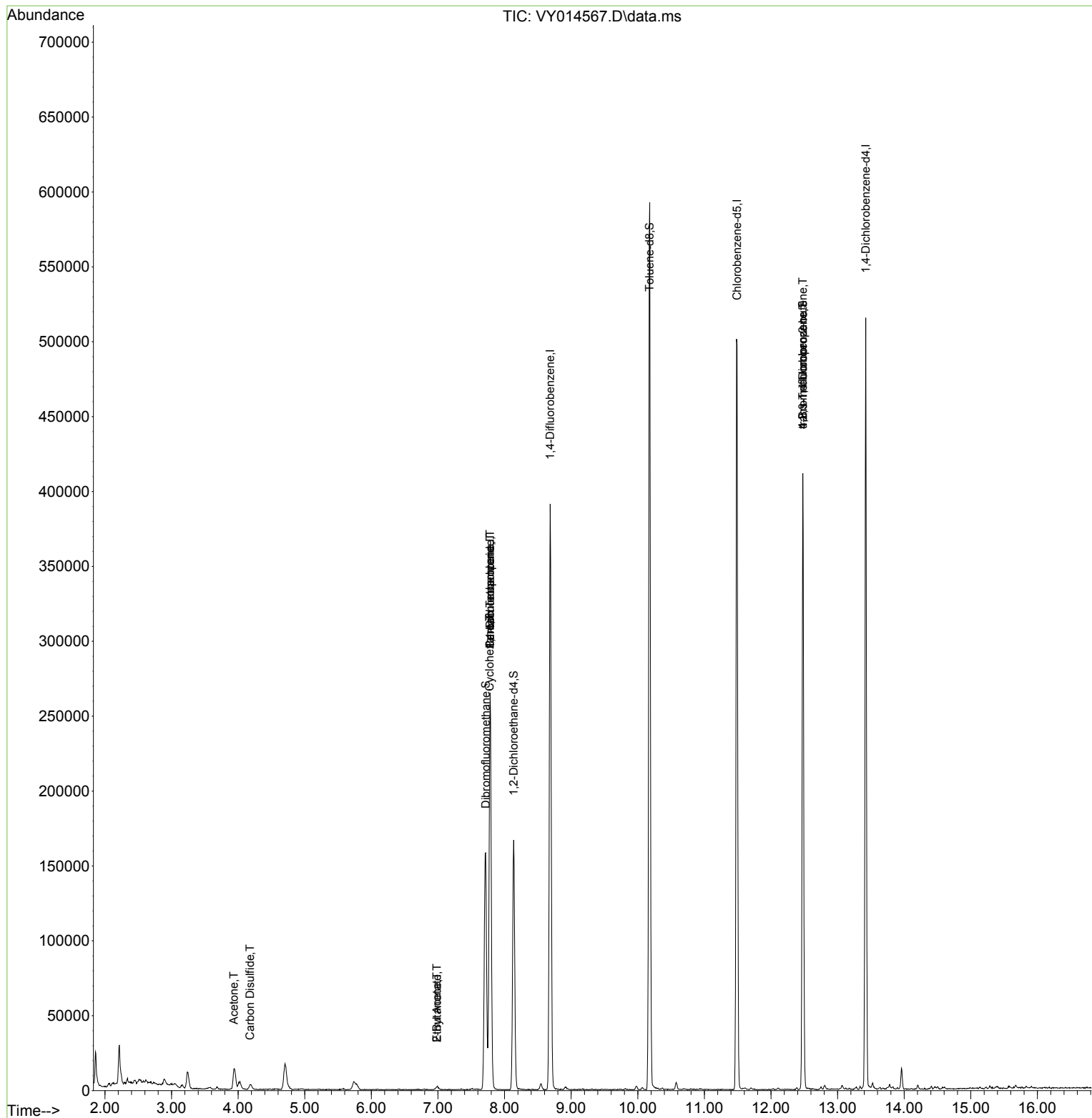
Internal Standards						
1) Pentafluorobenzene	7.783	168	224044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	350079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	307048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	130211	58.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.840%	
35) Dibromofluoromethane	7.716	113	115842	53.735	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.460%	
50) Toluene-d8	10.179	98	412234	48.372	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	12.477	95	116686	39.431	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	63	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	768	Below Cal	#	89
16) Acetone	3.936	43	25098	36.059	ug/l	93
17) Carbon Disulfide	4.180	76	6694	1.045	ug/l	97
25) 2-Butanone	6.984	43	3130	3.037	ug/l	94
31) Cyclohexane	7.777	56	3761	1.076	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	14503	4.393	ug/l	# 50
37) Ethyl Acetate	6.984	43	3130	1.382	ug/l	# 71
38) Carbon Tetrachloride	7.783	117	19605	5.689	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	56217	34.359	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	56217	66.877	ug/l	# 11

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

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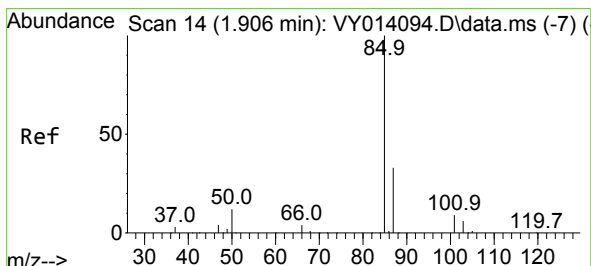
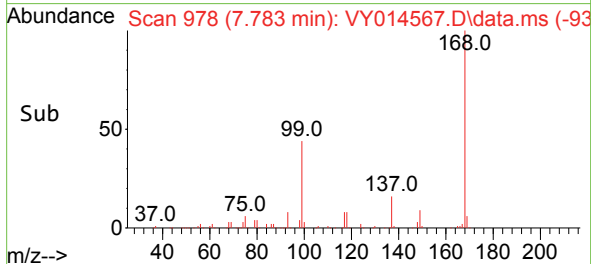
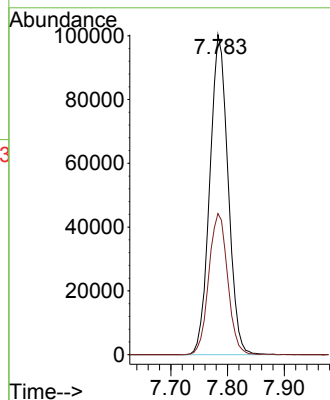
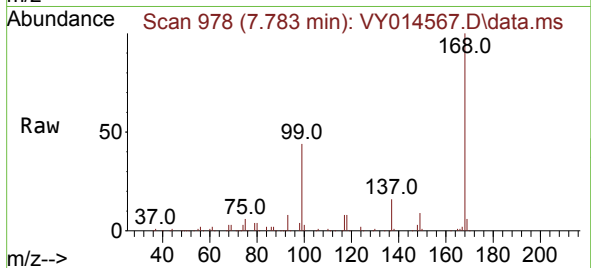




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

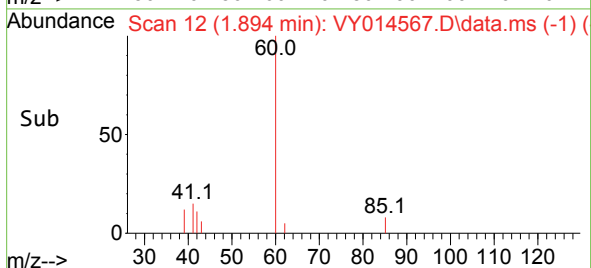
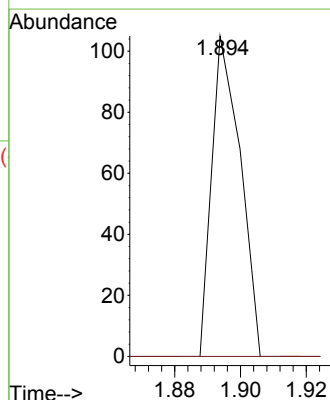
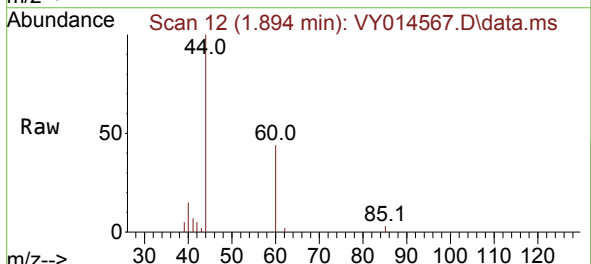
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-02-G

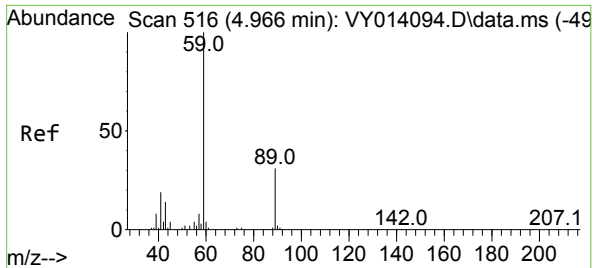
Tgt Ion:168 Resp: 224044
Ion Ratio Lower Upper
168 100
99 44.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Tgt Ion: 85 Resp: 63
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY014567.D

Acq: 05 Jul 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

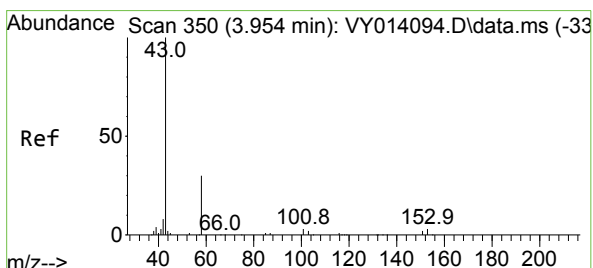
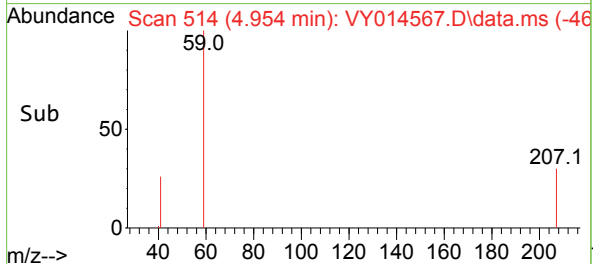
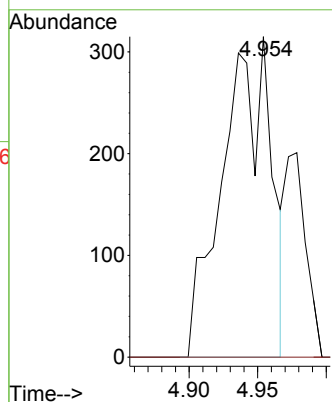
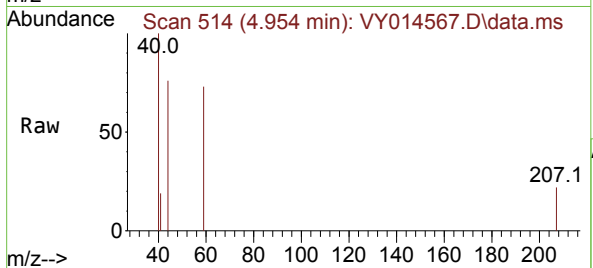
WC-WWS-02-G

Tgt Ion: 59 Resp: 768

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 36.059 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.018 min

Lab File: VY014567.D

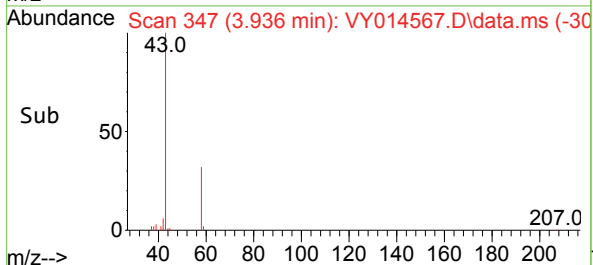
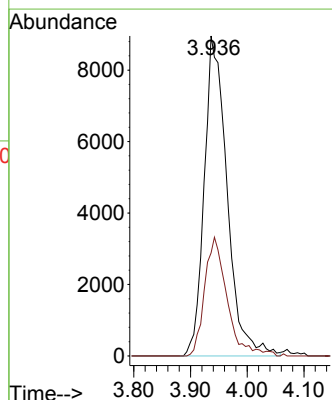
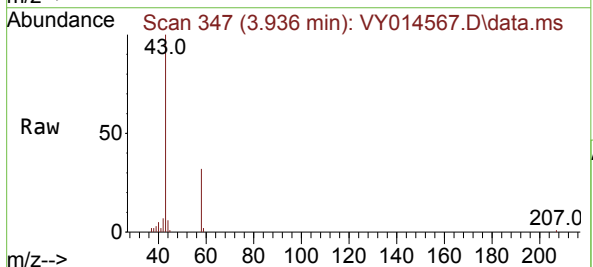
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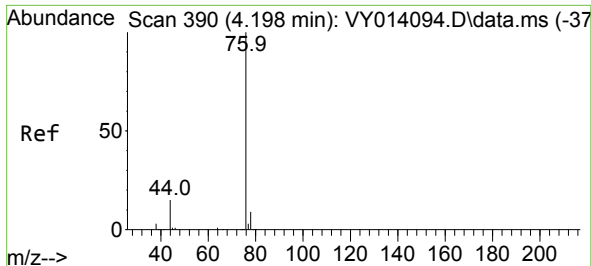
Tgt Ion: 43 Resp: 25098

Ion Ratio Lower Upper

43 100

58 32.2 22.7 34.1

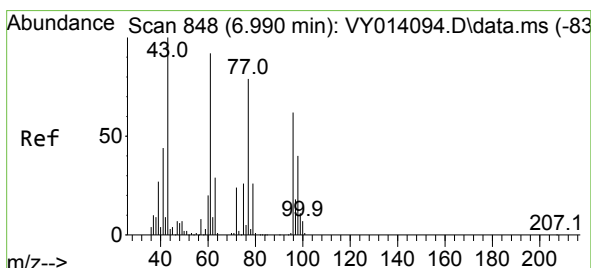
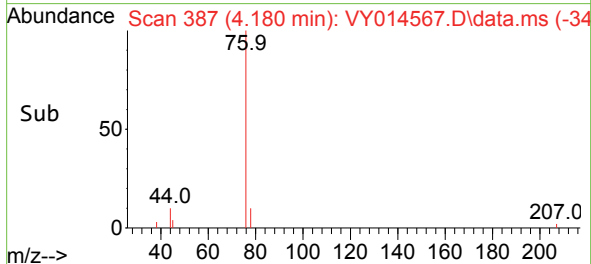
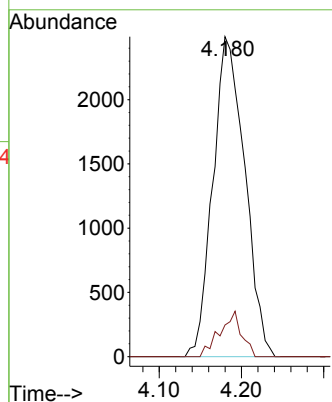
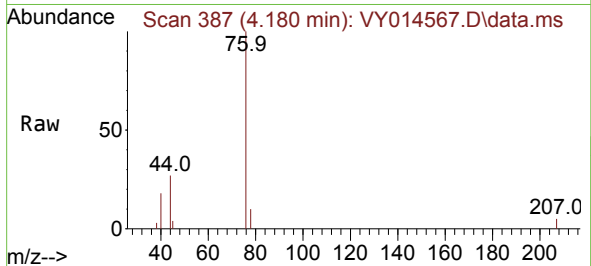




#17
Carbon Disulfide
Concen: 1.045 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

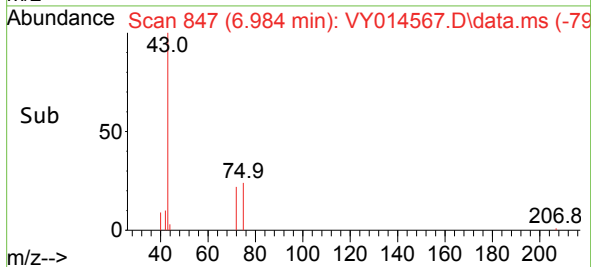
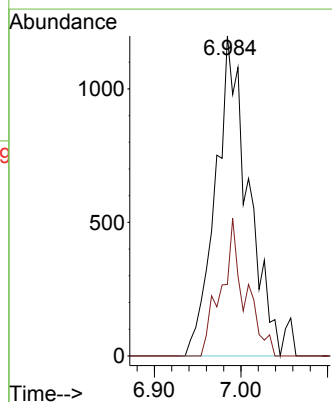
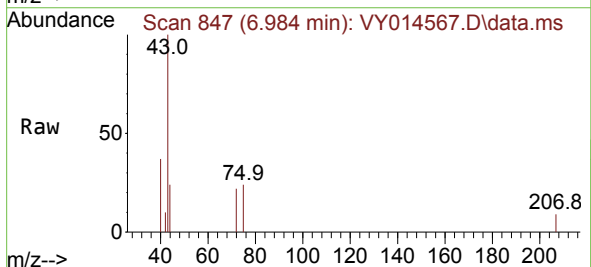
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-02-G

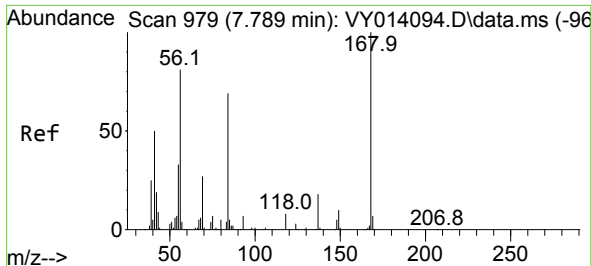
Tgt Ion: 76 Resp: 6694
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#25
2-Butanone
Concen: 3.037 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
72 22.4 20.5 30.7

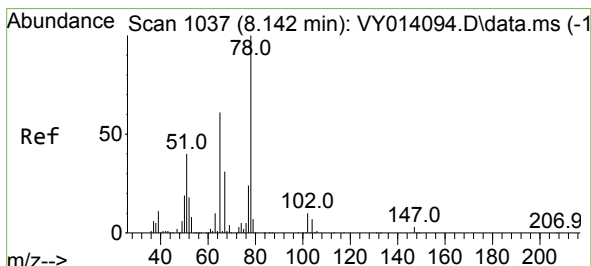
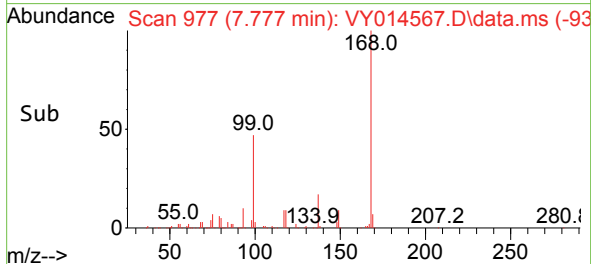
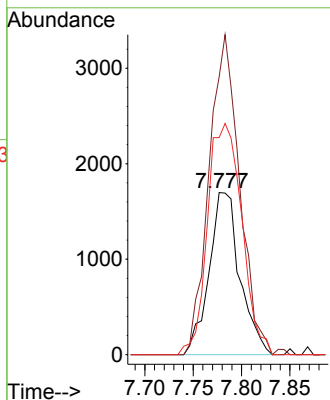
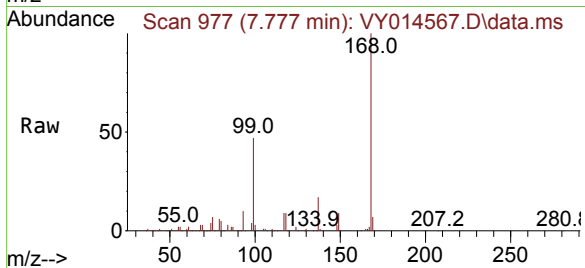




#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

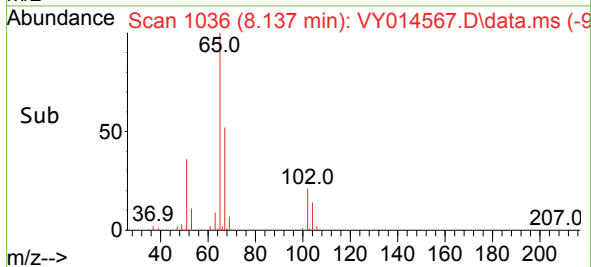
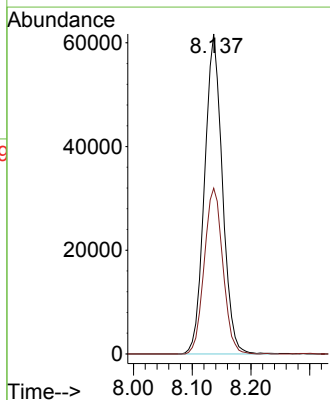
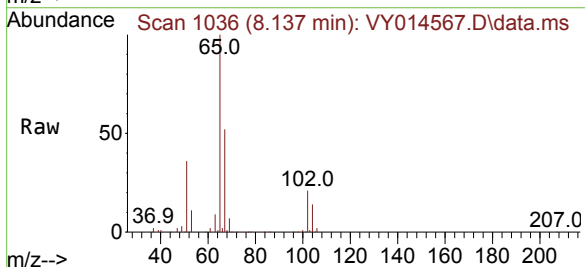
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-02-G

Tgt Ion: 56 Resp: 3761
Ion Ratio Lower Upper
56 100
69 171.4 27.8 41.6#
84 134.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.423 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Tgt Ion: 65 Resp: 130211
Ion Ratio Lower Upper
65 100
67 53.8 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: VY014567.D

Acq: 05 Jul 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-02-G

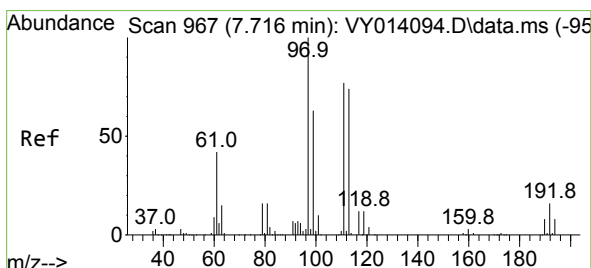
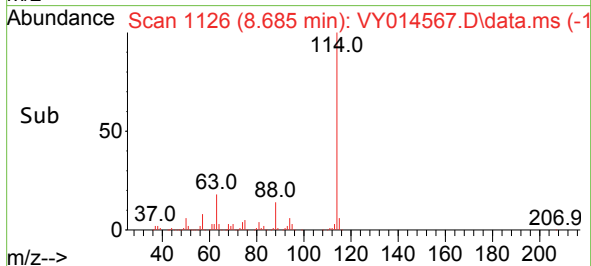
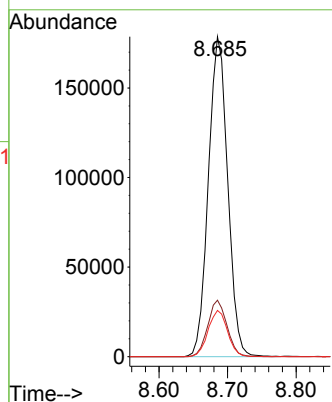
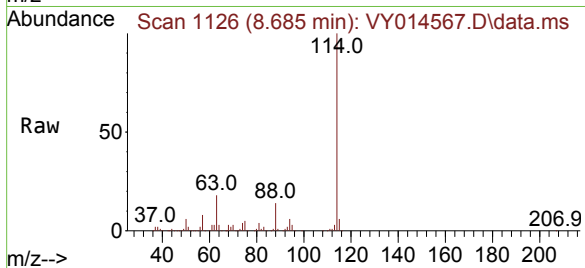
Tgt Ion:114 Resp: 350079

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.735 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014567.D

Acq: 05 Jul 2023 18:43

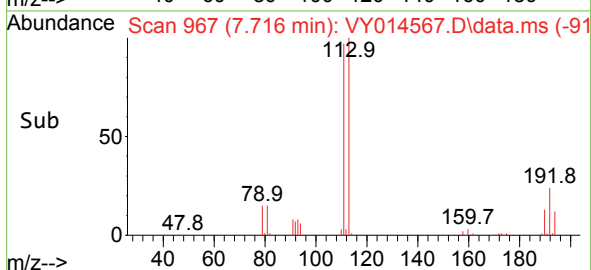
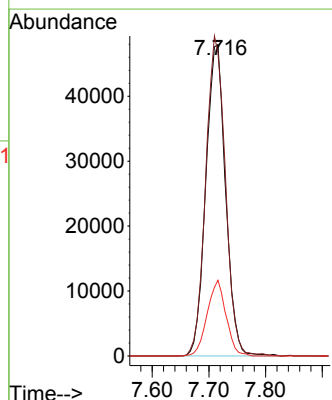
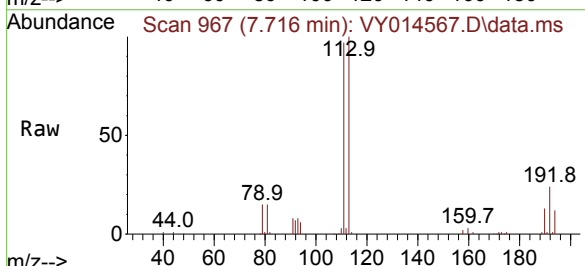
Tgt Ion:113 Resp: 115842

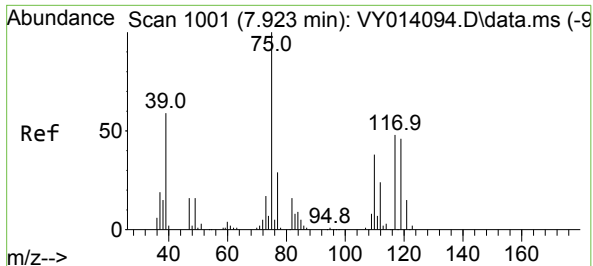
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 23.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY014567.D

Acq: 05 Jul 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-02-G

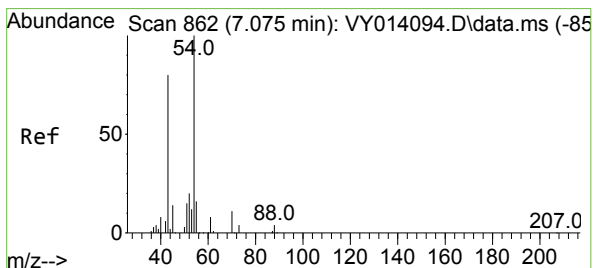
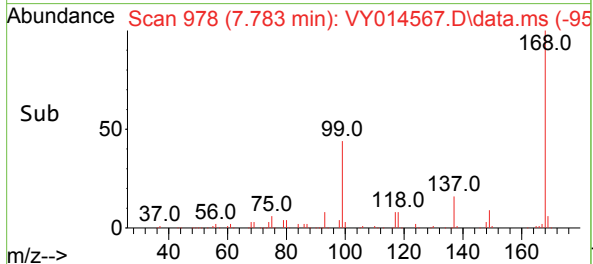
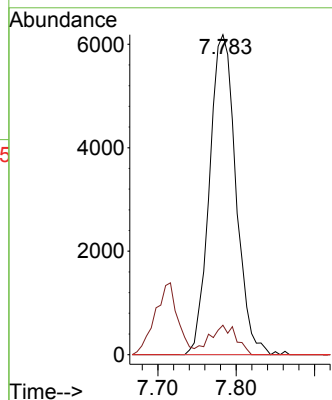
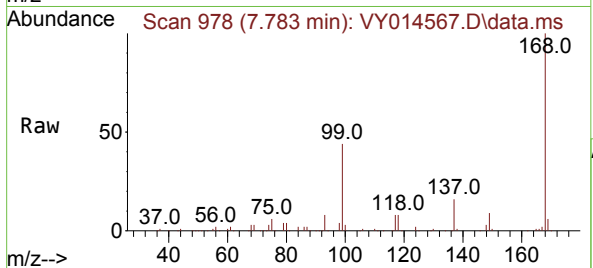
Tgt Ion: 75 Resp: 14503

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.382 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY014567.D

Acq: 05 Jul 2023 18:43

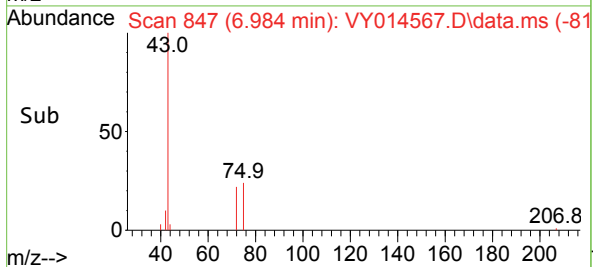
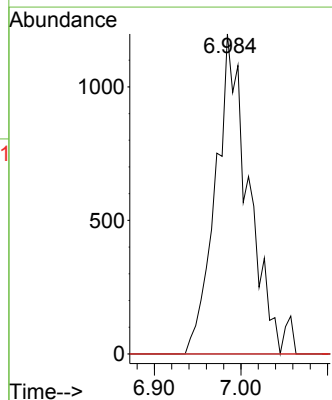
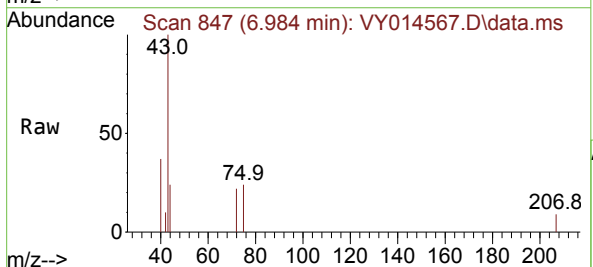
Tgt Ion: 43 Resp: 3130

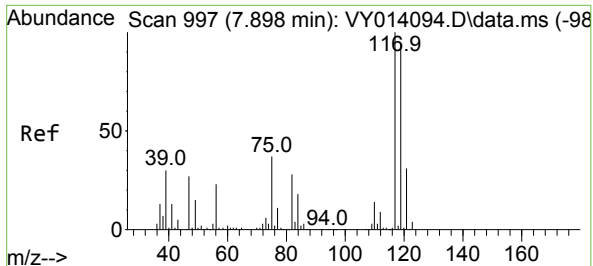
Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

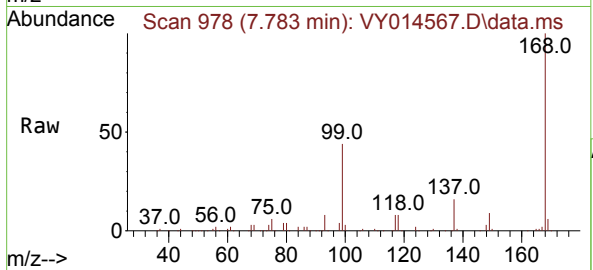
70 0.0 7.1 10.7#



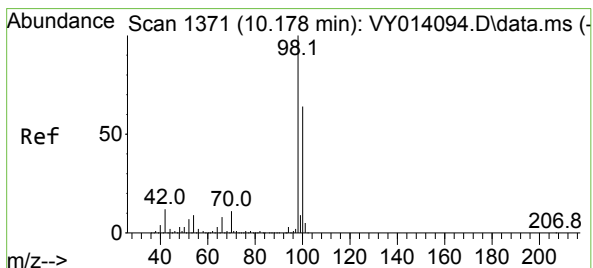
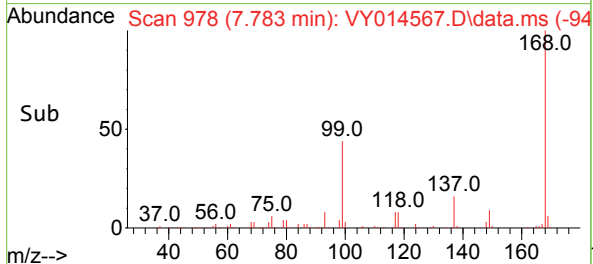
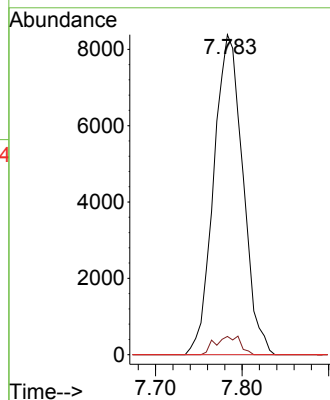


#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-02-G

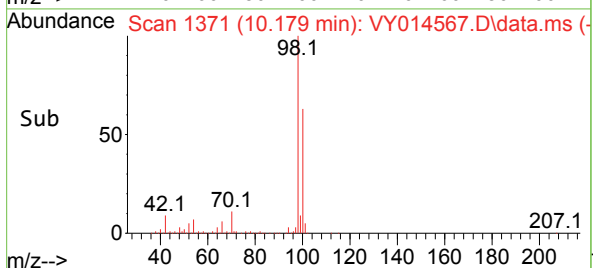
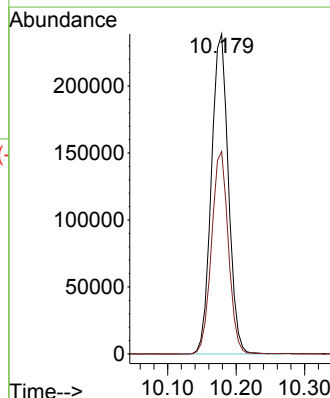
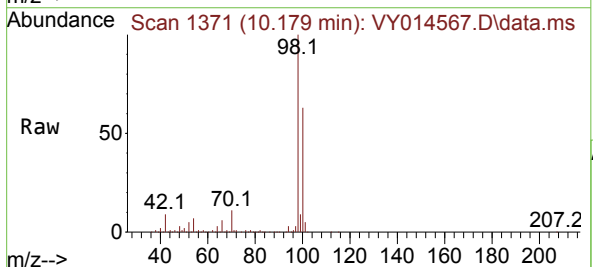


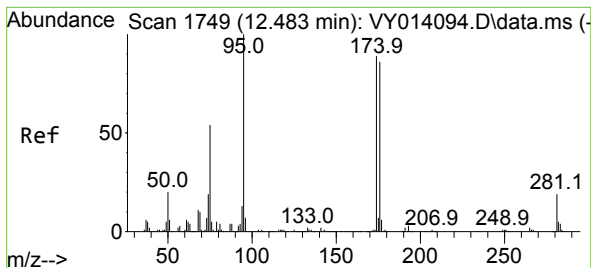
Tgt Ion:117 Resp: 19605
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.372 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Tgt Ion: 98 Resp: 412234
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1

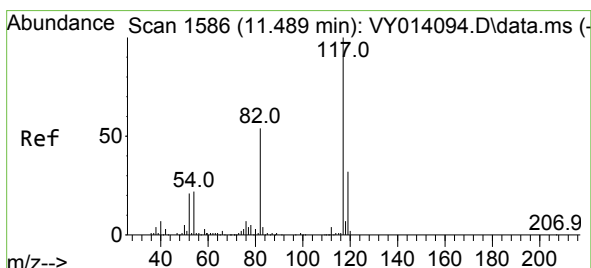
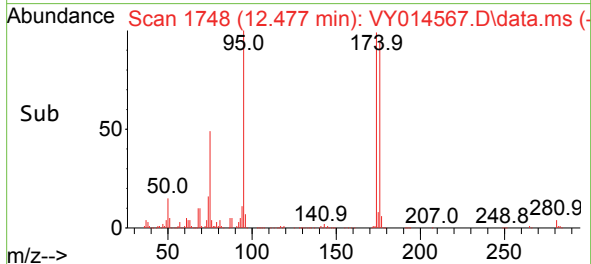
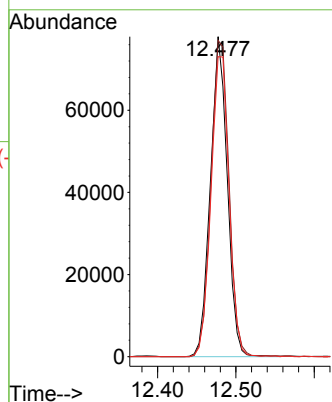
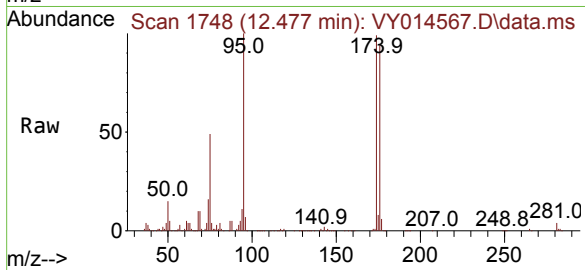




#62
4-Bromofluorobenzene
Concen: 39.431 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

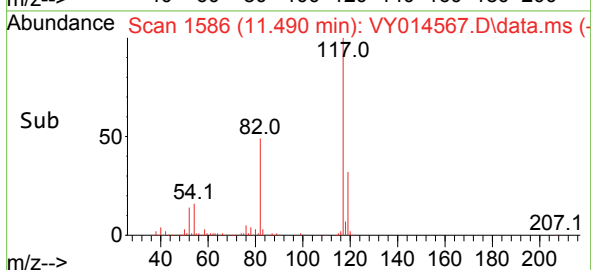
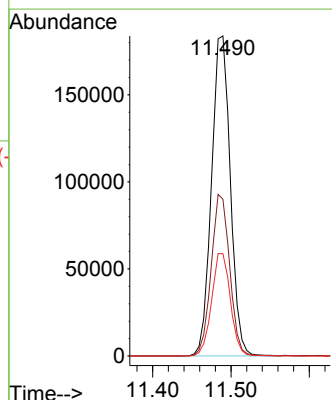
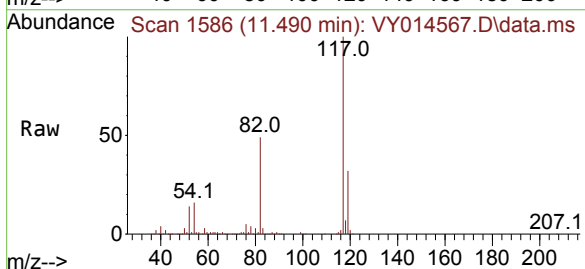
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-02-G

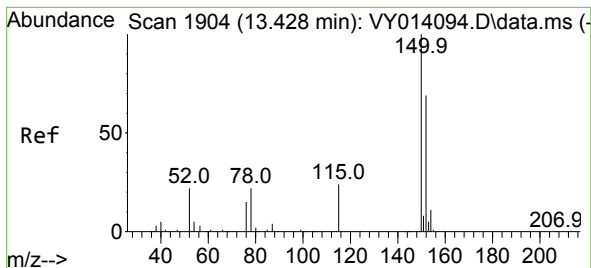
Tgt Ion: 95 Resp: 116686
Ion Ratio Lower Upper
95 100
174 105.9 0.0 178.2
176 100.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014567.D
Acq: 05 Jul 2023 18:43

Tgt Ion: 117 Resp: 307048
Ion Ratio Lower Upper
117 100
82 49.0 43.4 65.0
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014567.D

Acq: 05 Jul 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-WWS-02-G

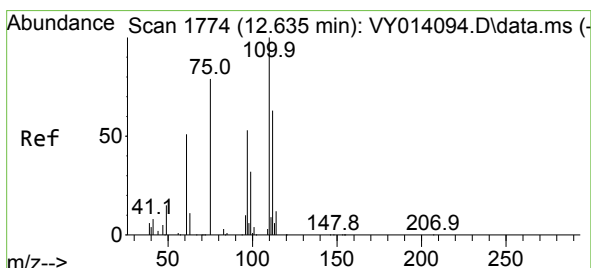
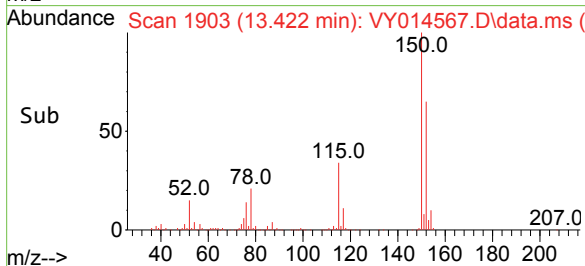
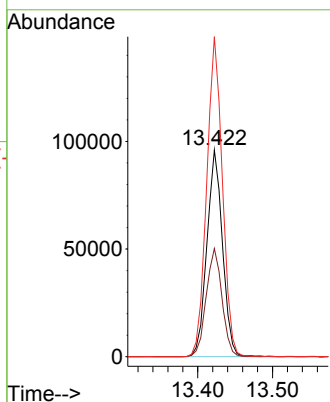
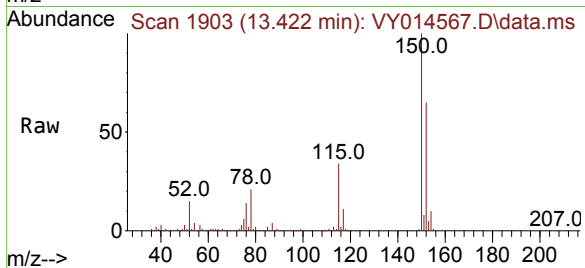
Tgt Ion:152 Resp: 139431

Ion Ratio Lower Upper

152 100

115 52.9 28.8 86.5

150 155.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.359 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014567.D

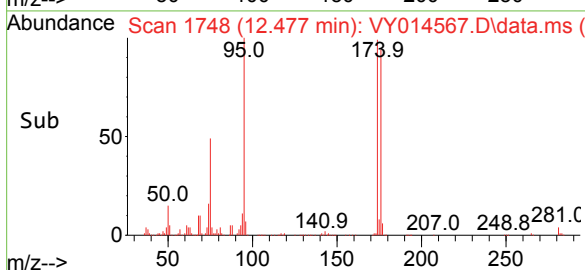
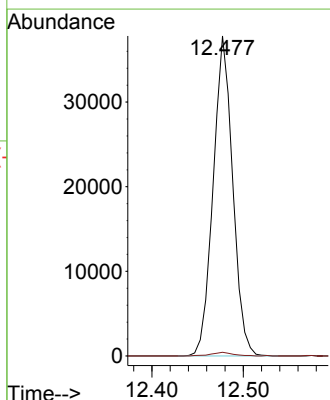
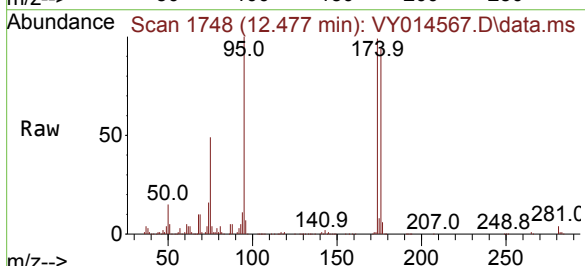
Acq: 05 Jul 2023 18:43

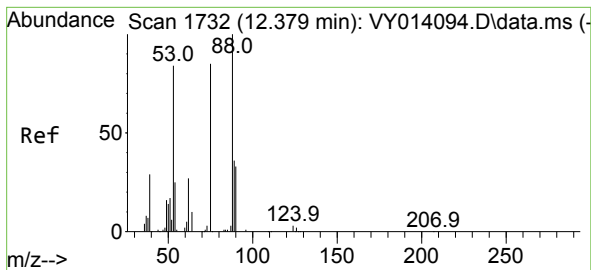
Tgt Ion: 75 Resp: 56217

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.877 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014567.D
 Acq: 05 Jul 2023 18:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-02-G

Tgt Ion: 75 Resp: 56217
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

