

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010150.D
 Acq On : 22 Aug 2022 17:45
 Operator : KP/MD
 Sample : N4227-02
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3

Quant Time: Aug 22 18:46:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

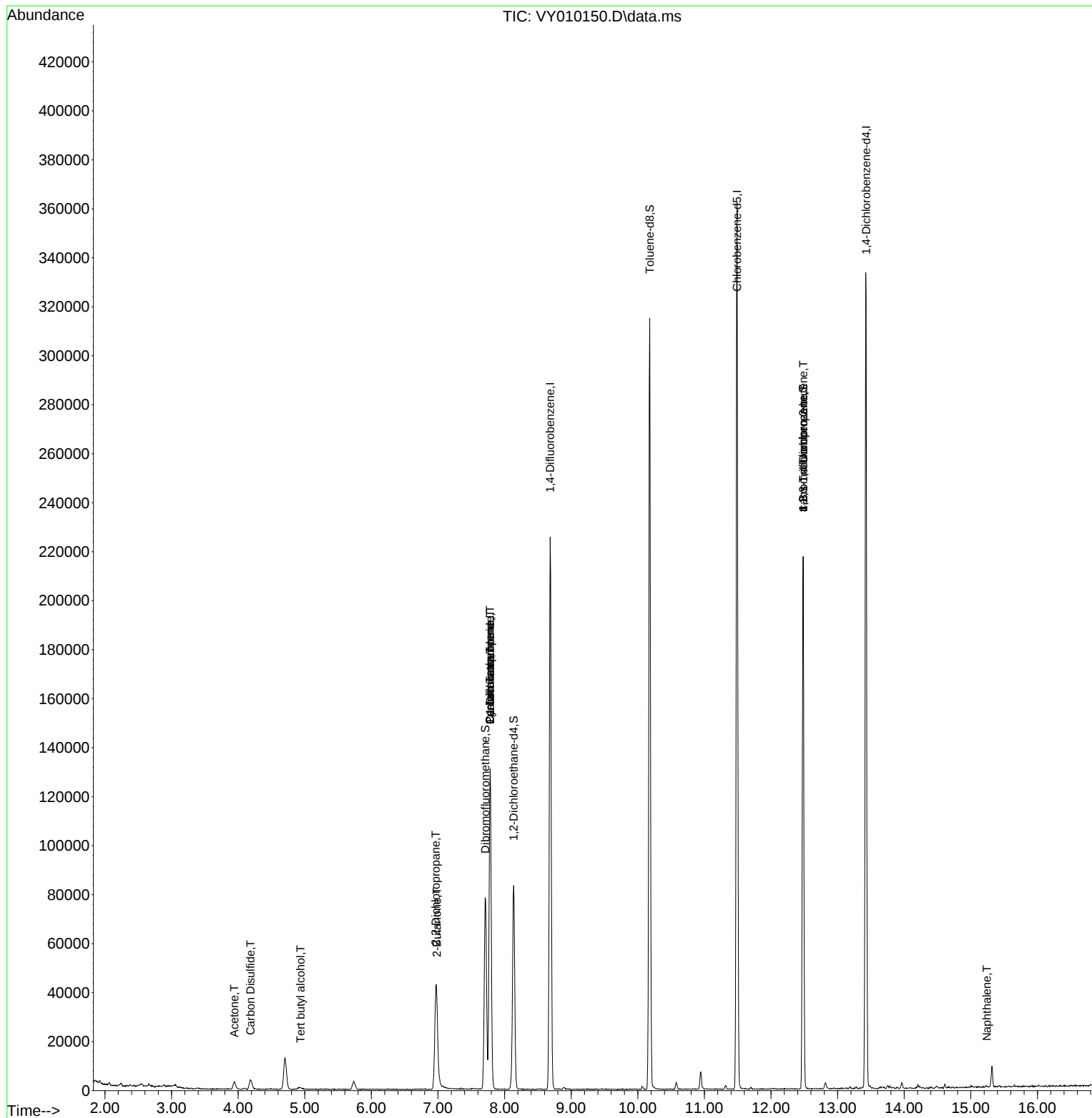
Internal Standards						
1) Pentafluorobenzene	7.783	168	105608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	199377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	201048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61754	71.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.780%	
35) Dibromofluoromethane	7.710	113	58092	51.708	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.420%	
50) Toluene-d8	10.179	98	208929	49.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.483	95	65804	43.750	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.500%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	147	12.025	ug/l #	73
16) Acetone	3.942	43	5448	25.164	ug/l	92
17) Carbon Disulfide	4.186	76	6302	2.040	ug/l #	90
20) Methylene Chloride	4.698	84	9499	Below Cal		97
25) 2-Butanone	6.984	43	2681	7.698	ug/l #	46
26) 2,2-Dichloropropane	6.966	77	3374	2.069	ug/l #	50
31) Cyclohexane	7.783	56	2039	1.150	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	7968	4.443	ug/l #	48
38) Carbon Tetrachloride	7.783	117	9838	5.231	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	32099	38.334	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32099	76.994	ug/l #	18
95) Naphthalene	15.239	128	596	4.050	ug/l #	82

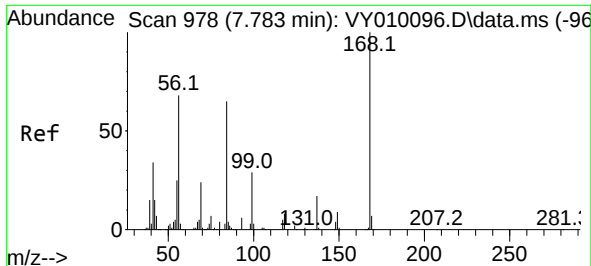
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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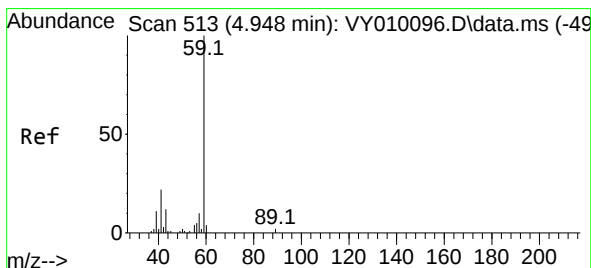
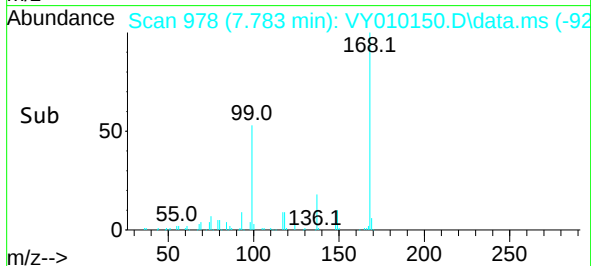
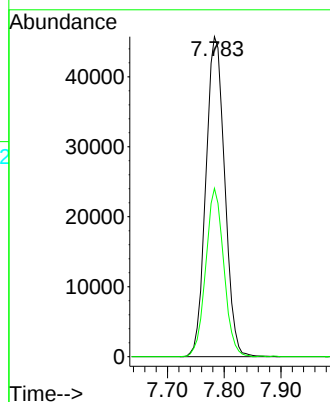
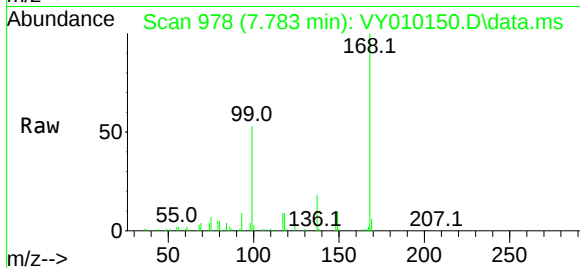




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

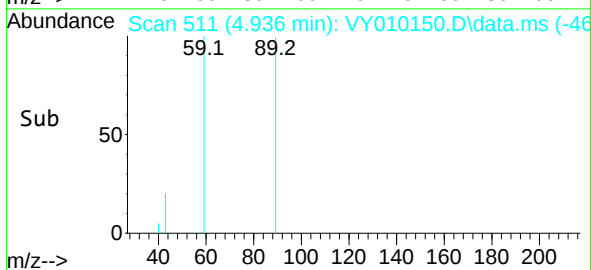
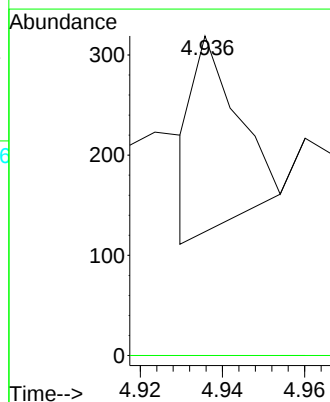
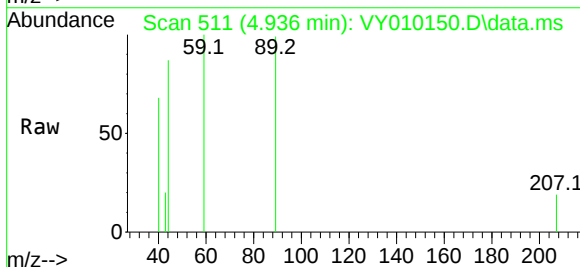
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

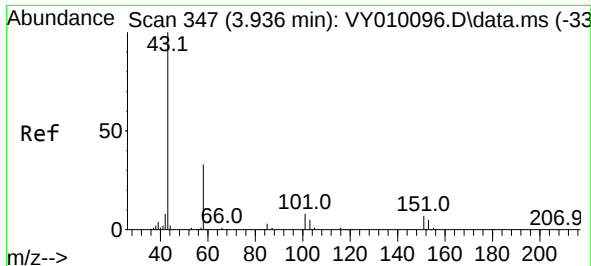
Tgt Ion:168 Resp: 105608
Ion Ratio Lower Upper
168 100
99 52.6 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.025 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

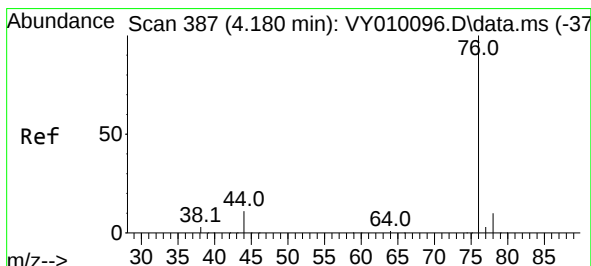
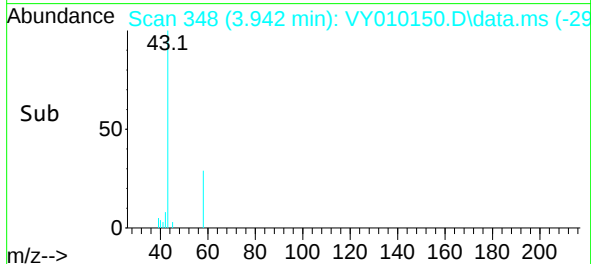
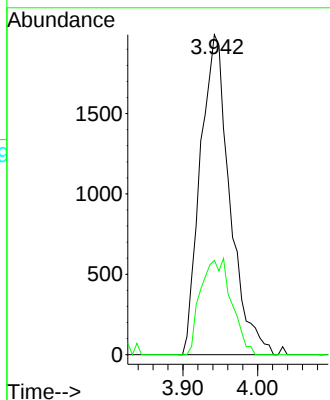
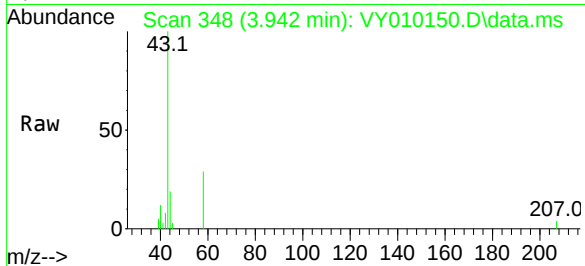




#16
Acetone
Concen: 25.164 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

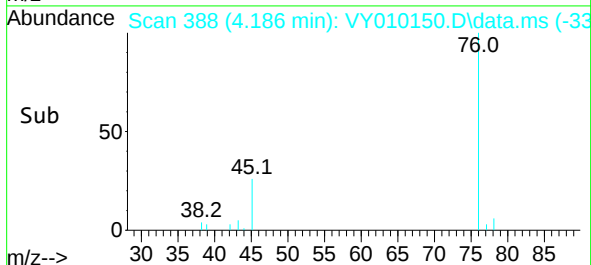
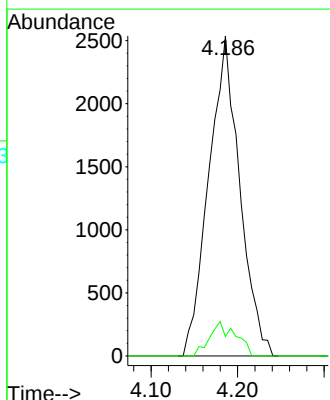
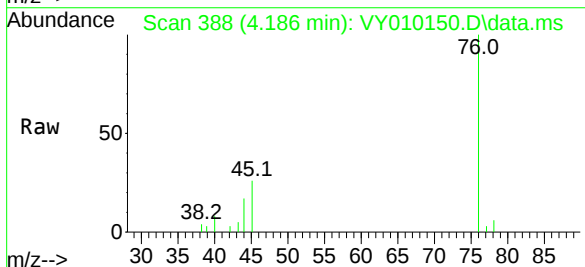
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

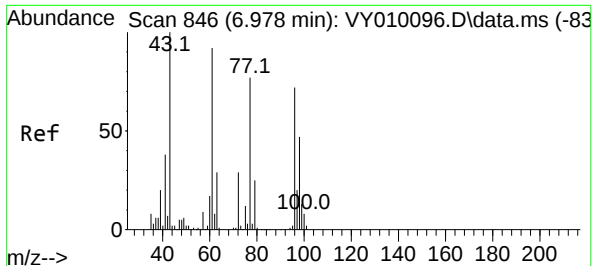
Tgt Ion: 43 Resp: 5448
Ion Ratio Lower Upper
43 100
58 29.4 27.4 41.0



#17
Carbon Disulfide
Concen: 2.040 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

Tgt Ion: 76 Resp: 6302
Ion Ratio Lower Upper
76 100
78 6.1 7.7 11.5#





#25

2-Butanone

Concen: 7.698 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

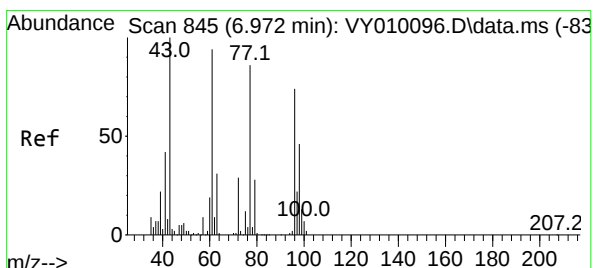
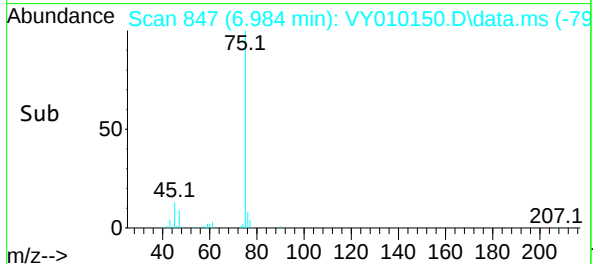
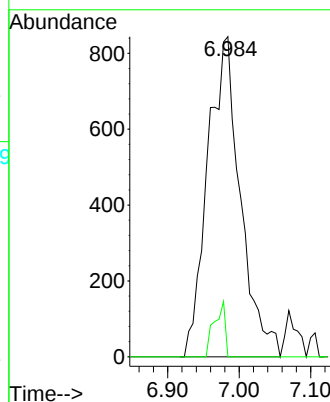
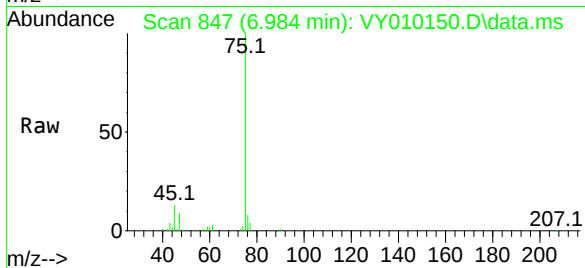
SP-3

Tgt Ion: 43 Resp: 2681

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 2.069 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010150.D

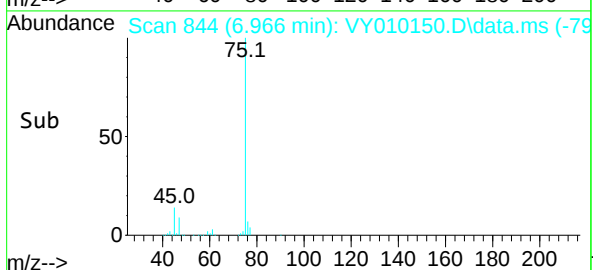
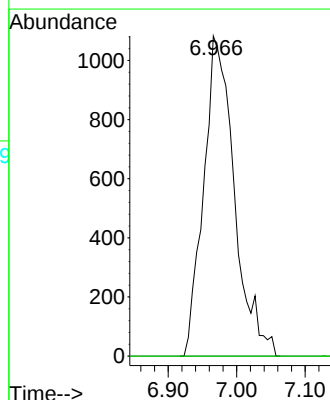
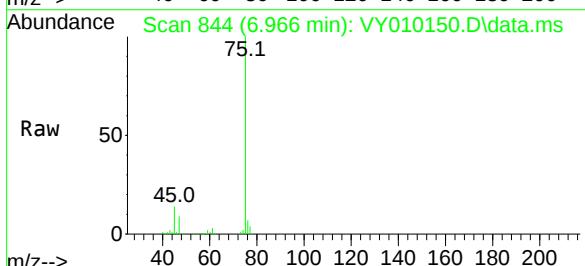
Acq: 22 Aug 2022 17:45

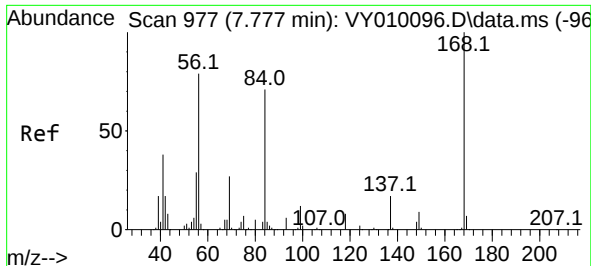
Tgt Ion: 77 Resp: 3374

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

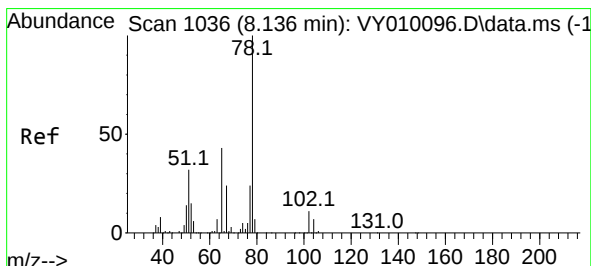
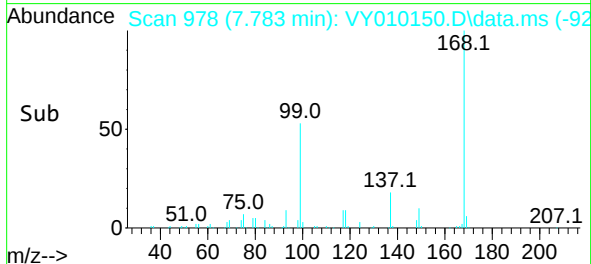
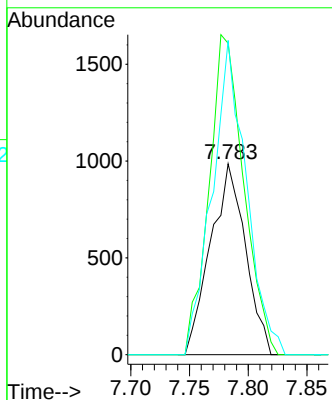
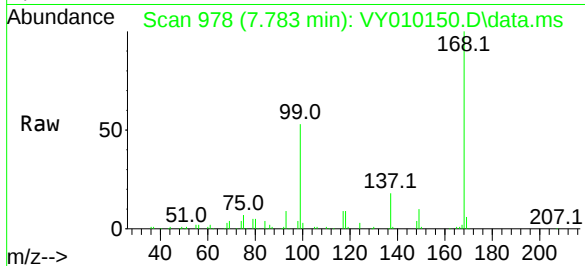




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

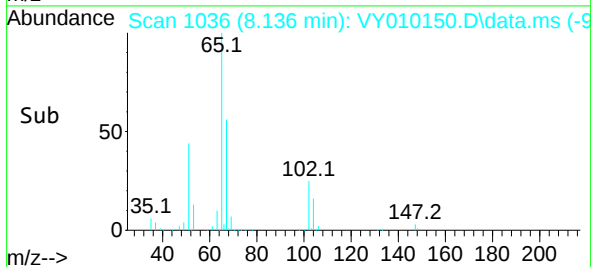
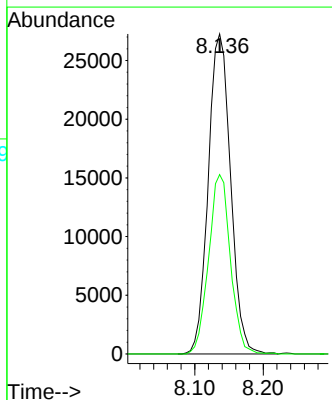
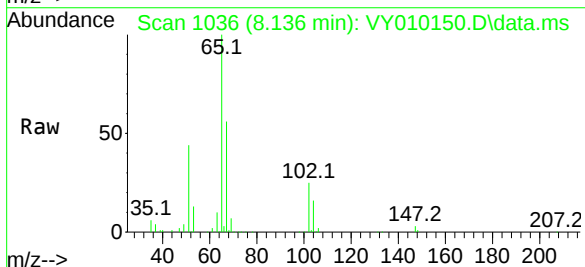
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

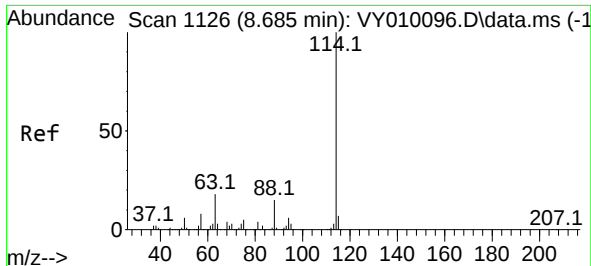
Tgt Ion: 56 Resp: 2039
Ion Ratio Lower Upper
56 100
69 163.1 27.3 40.9#
84 164.6 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 71.390 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

Tgt Ion: 65 Resp: 61754
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

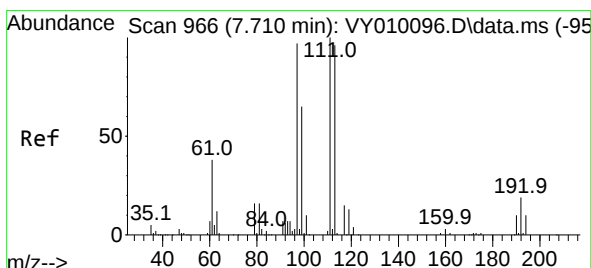
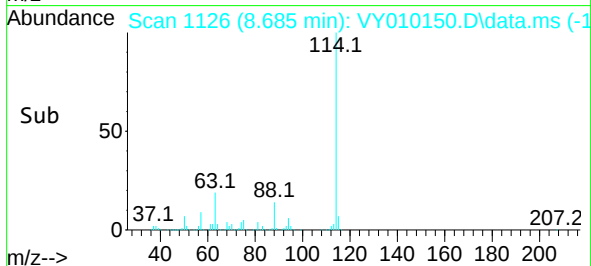
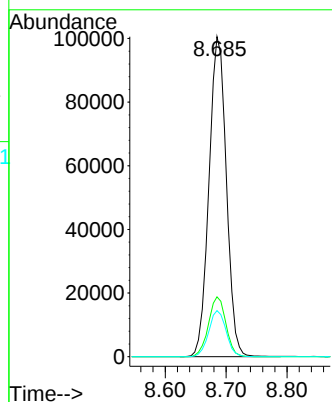
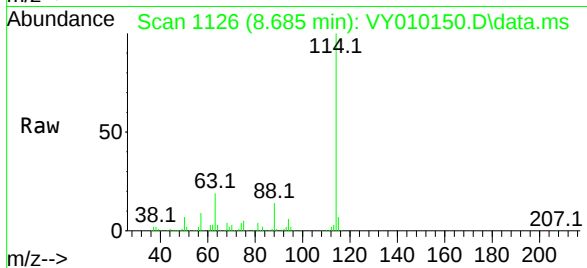
Tgt Ion:114 Resp: 199377

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 14.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.708 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

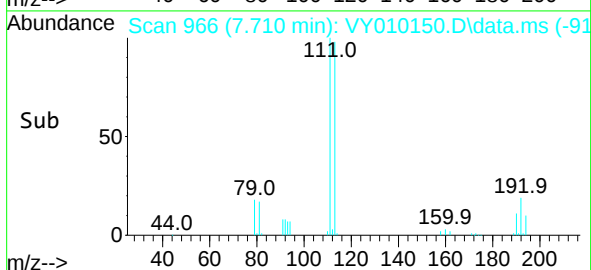
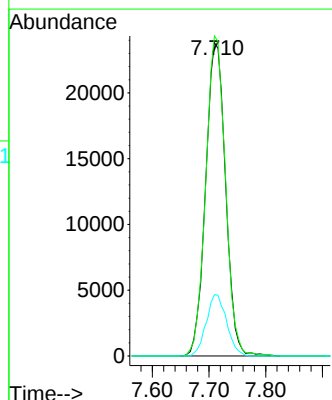
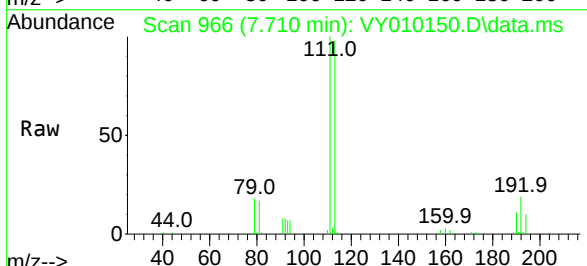
Tgt Ion:113 Resp: 58092

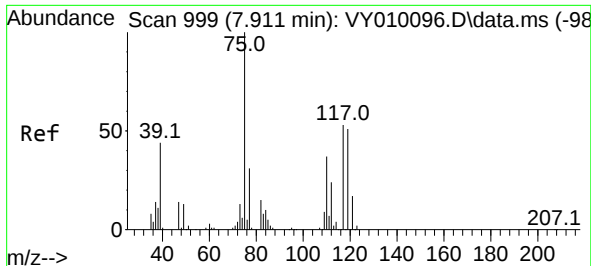
Ion Ratio Lower Upper

113 100

111 101.0 82.8 124.2

192 19.9 16.3 24.5

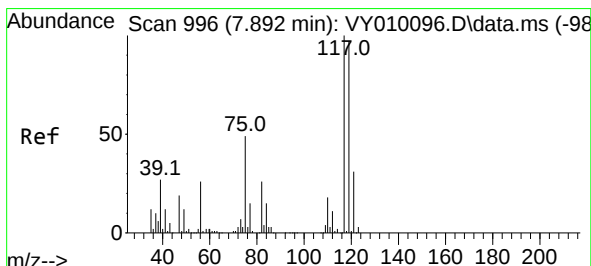
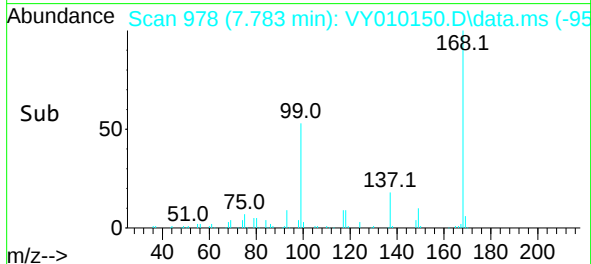
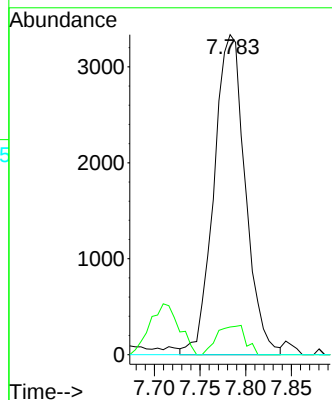
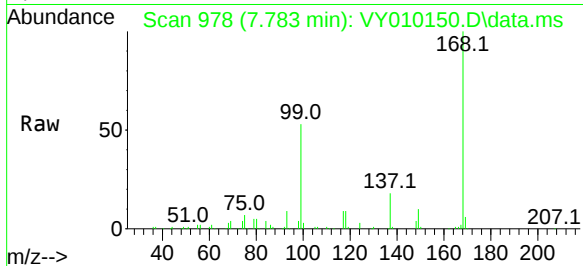




#36
1,1-Dichloropropene
Concen: 4.443 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

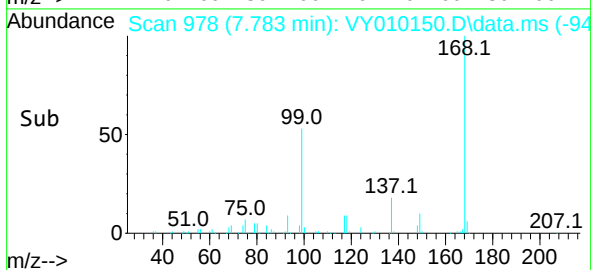
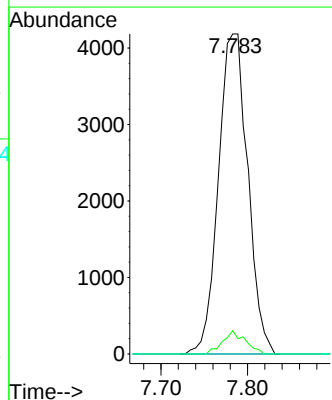
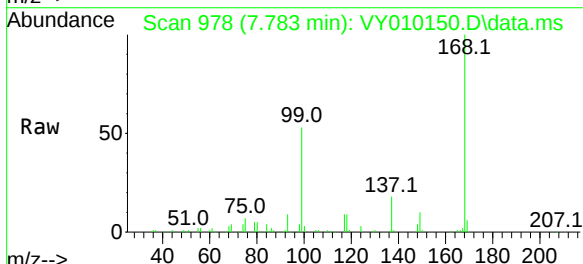
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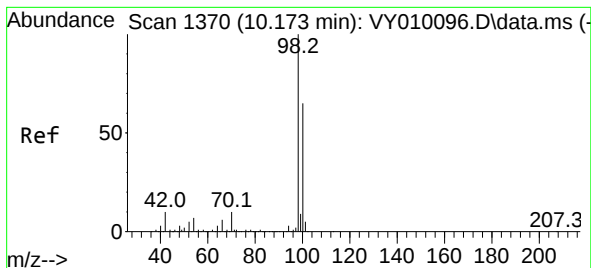
Tgt Ion: 75 Resp: 7968
Ion Ratio Lower Upper
75 100
110 8.3 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

Tgt Ion: 117 Resp: 9838
Ion Ratio Lower Upper
117 100
119 7.3 77.1 115.7#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.631 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

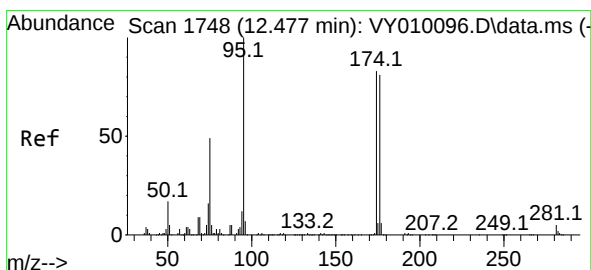
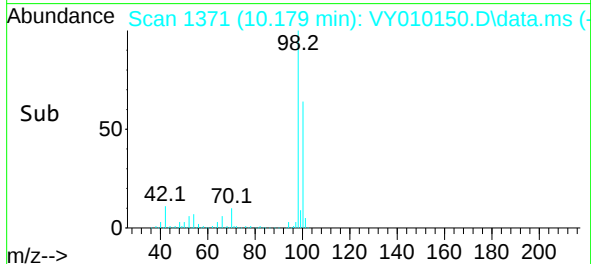
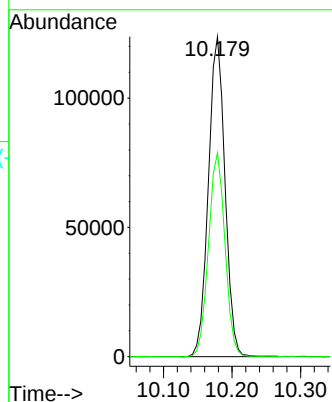
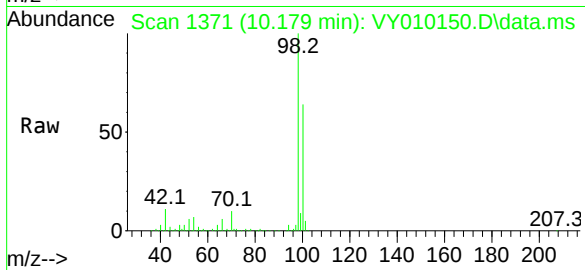
SP-3

Tgt Ion: 98 Resp: 208929

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.750 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

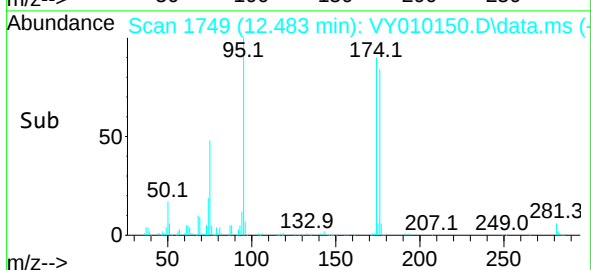
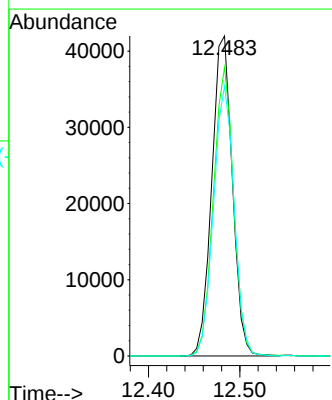
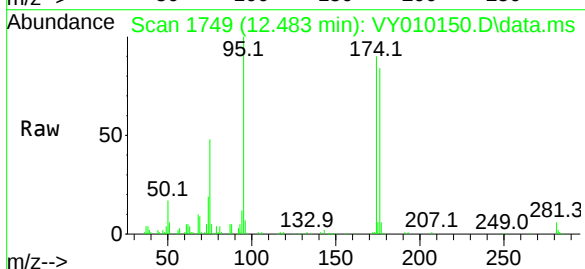
Tgt Ion: 95 Resp: 65804

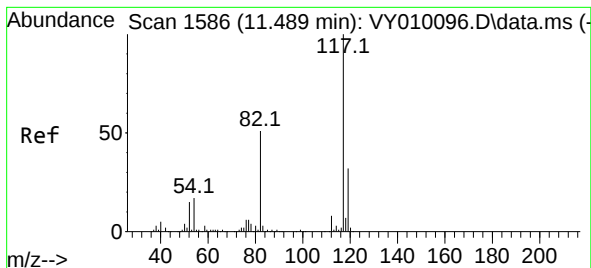
Ion Ratio Lower Upper

95 100

174 88.8 0.0 173.8

176 84.5 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

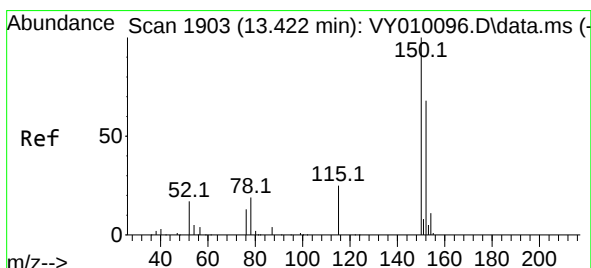
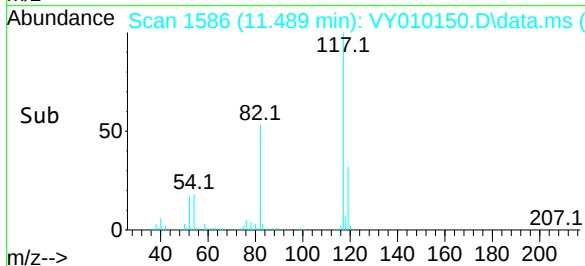
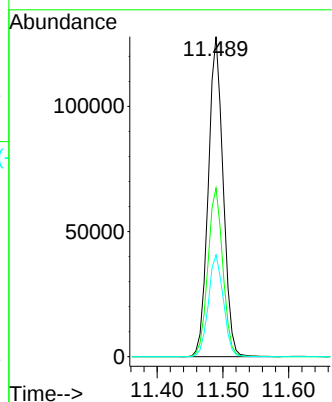
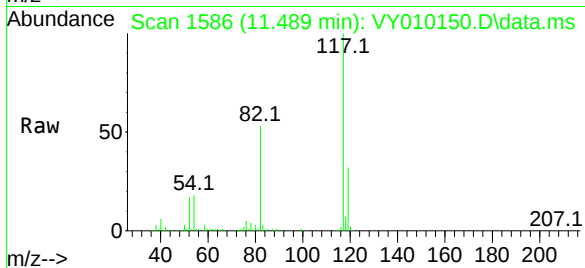
Tgt Ion:117 Resp: 201048

Ion Ratio Lower Upper

117 100

82 52.7 40.6 61.0

119 31.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010150.D

Acq: 22 Aug 2022 17:45

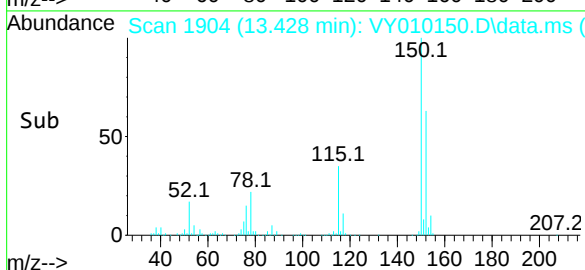
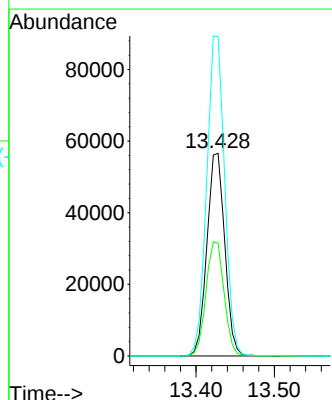
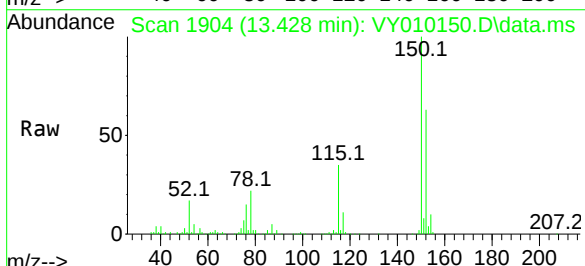
Tgt Ion:152 Resp: 89410

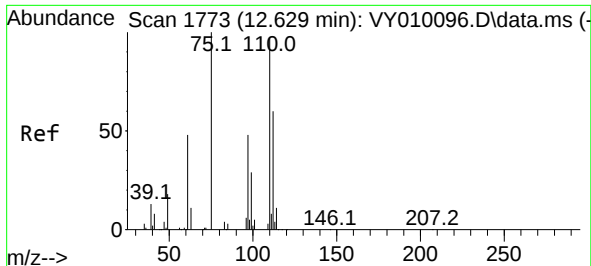
Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.2

150 158.5 0.0 346.2

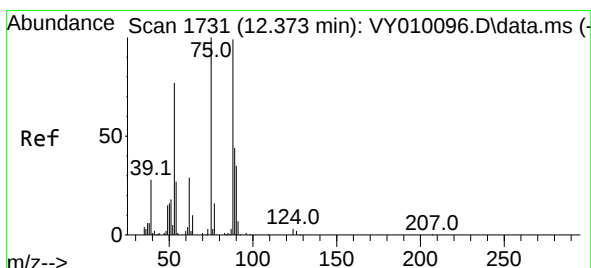
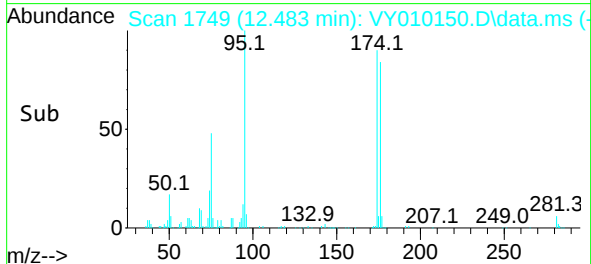
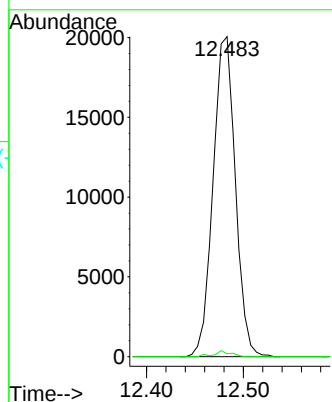
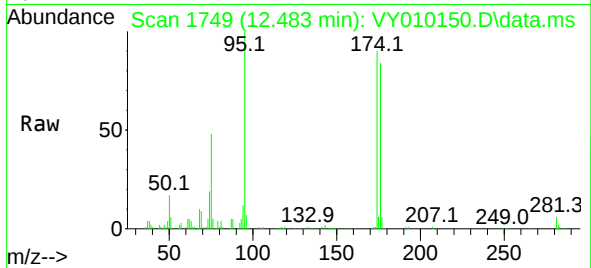




#76
1,2,3-Trichloropropane
Concen: 38.334 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

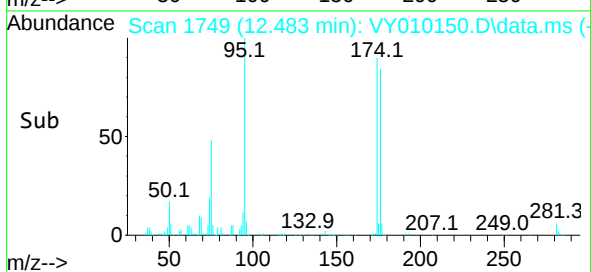
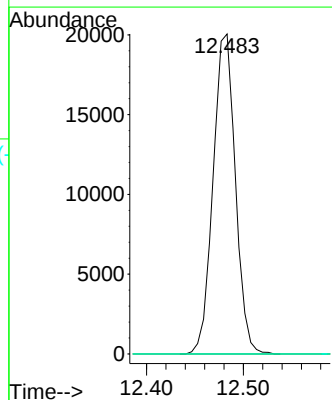
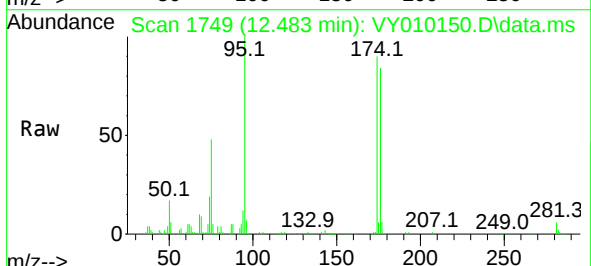
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

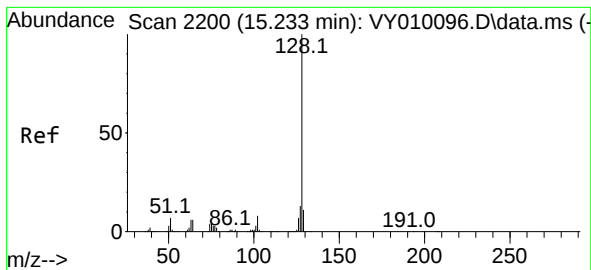
Tgt Ion: 75 Resp: 32099
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.994 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY010150.D
Acq: 22 Aug 2022 17:45

Tgt Ion: 75 Resp: 32099
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#





#95

Naphthalene

Concen: 4.050 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY010150.D

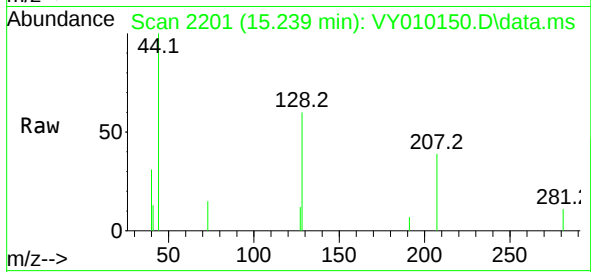
Acq: 22 Aug 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SP-3



Tgt Ion:128 Resp: 596

Ion Ratio Lower Upper

128 100

127 9.6 10.2 15.2#

129 0.0 8.9 13.3#

