

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010130.D
 Acq On : 20 Aug 2022 02:49
 Operator : KP/MD
 Sample : N4142-04
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UST-WEST

Quant Time: Aug 22 02:52:07 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)

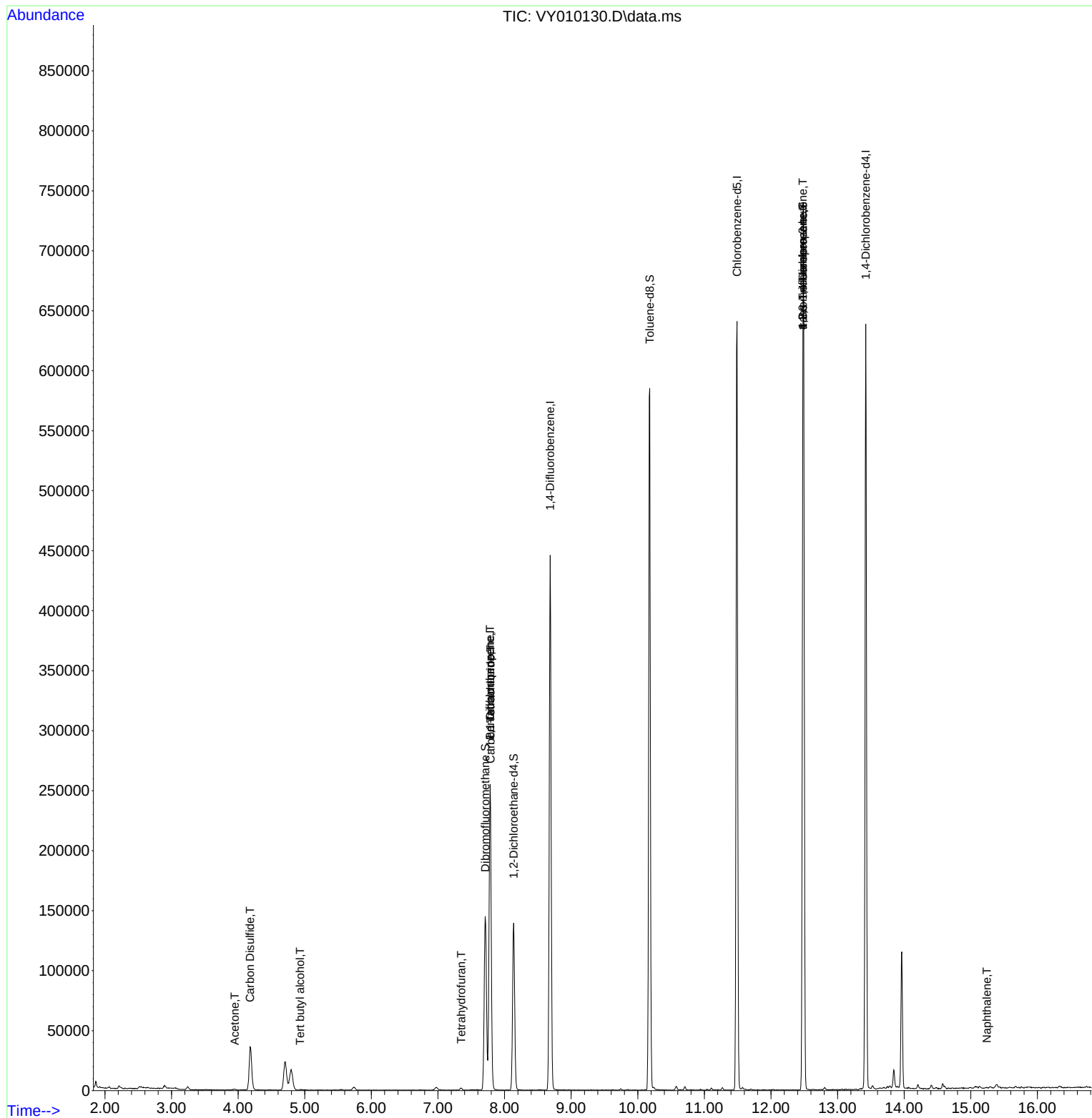
Internal Standards						
1) Pentafluorobenzene	7.783	168	206202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	391719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	371832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	103897	61.514	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.020%	
35) Dibromofluoromethane	7.710	113	107305	48.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.220%	
50) Toluene-d8	10.179	98	401532	48.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.477	95	131637	44.546	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	445	12.890	ug/l #	73
16) Acetone	3.948	43	1516	3.586	ug/l	93
17) Carbon Disulfide	4.180	76	75726	12.553	ug/l	97
20) Methylene Chloride	4.710	84	18186	Below Cal		95
29) Tetrahydrofuran	7.350	42	1332	3.063	ug/l	89
36) 1,1-Dichloropropene	7.783	75	14130	4.011	ug/l #	48
38) Carbon Tetrachloride	7.789	117	19332	5.232	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	65560	41.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65560	83.495	ug/l #	19
95) Naphthalene	15.239	128	750	3.995	ug/l #	82

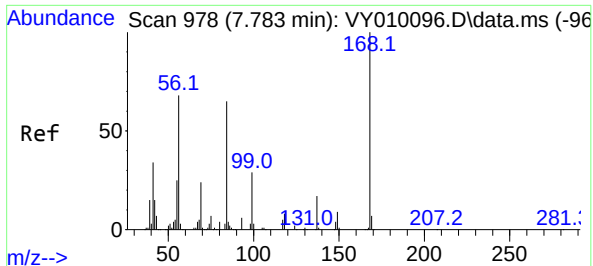
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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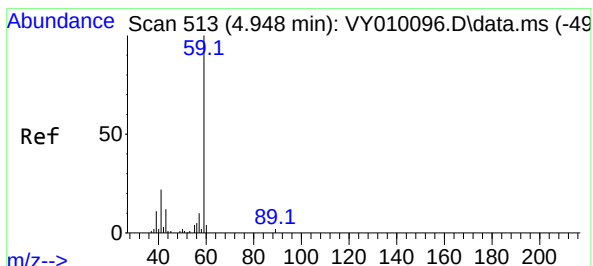
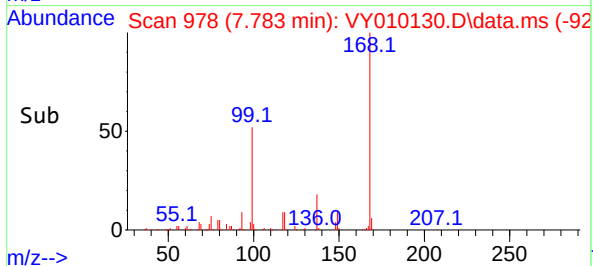
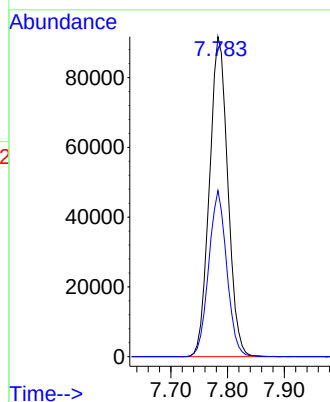
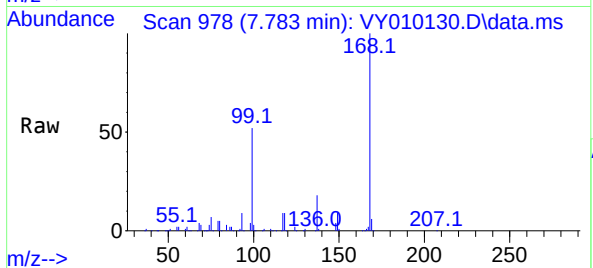




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

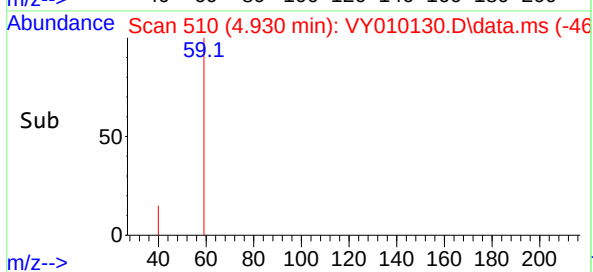
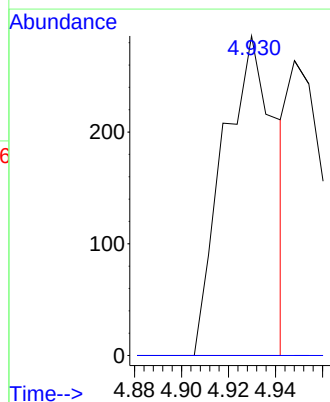
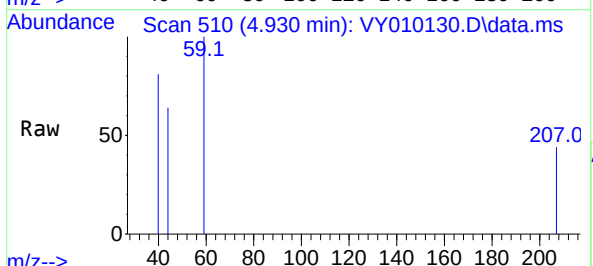
Instrument :
MSVOA_Y
ClientSampleId :
UST-WEST

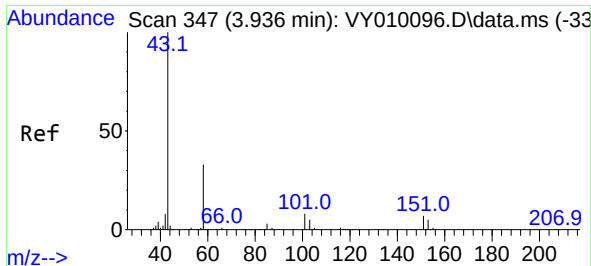
Tgt Ion:168 Resp: 206202
Ion Ratio Lower Upper
168 100
99 51.9 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.890 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.586 ug/l

RT: 3.948 min Scan# 347

Delta R.T. 0.012 min

Lab File: VY010130.D

Acq: 20 Aug 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

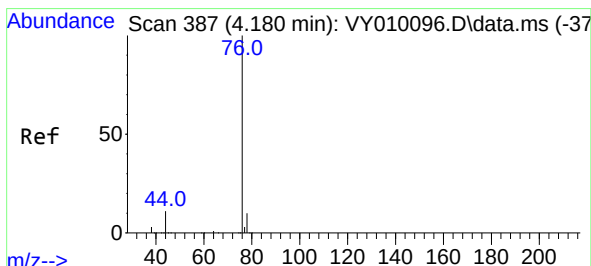
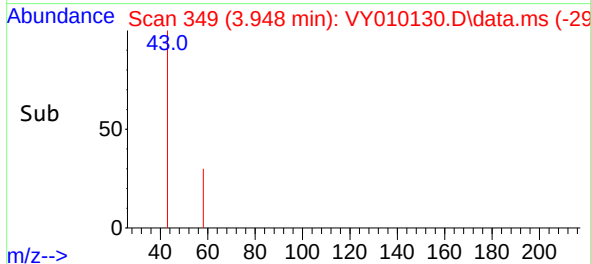
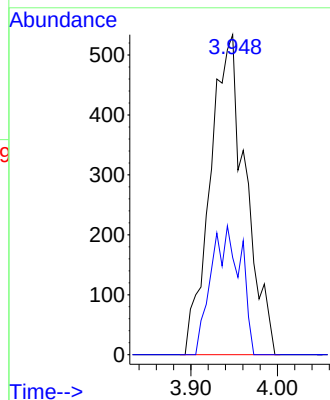
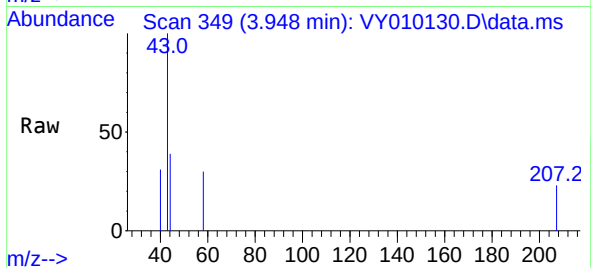
UST-WEST

Tgt Ion: 43 Resp: 1516

Ion Ratio Lower Upper

43 100

58 30.3 27.4 41.0



#17

Carbon Disulfide

Concen: 12.553 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.000 min

Lab File: VY010130.D

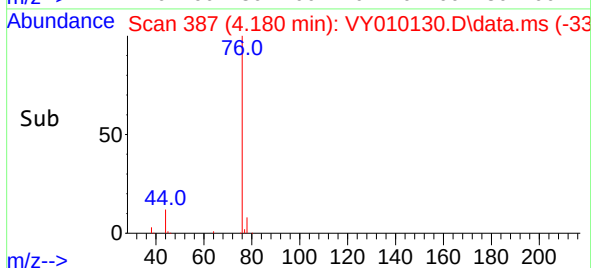
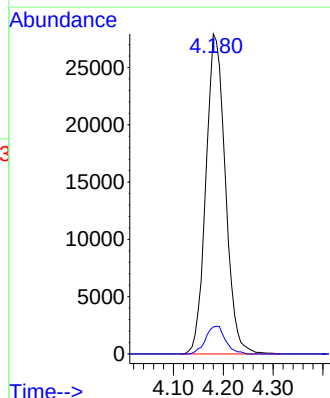
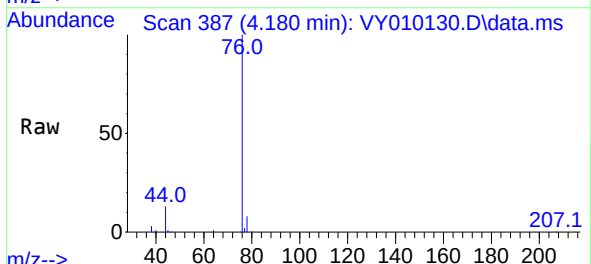
Acq: 20 Aug 2022 02:49

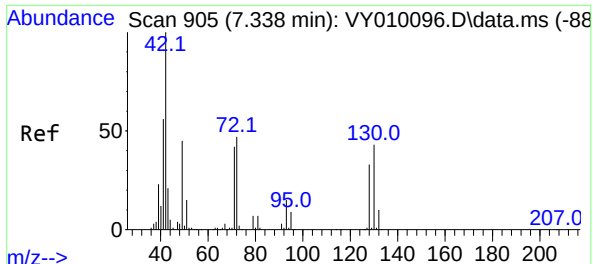
Tgt Ion: 76 Resp: 75726

Ion Ratio Lower Upper

76 100

78 8.4 7.7 11.5





#29

Tetrahydrofuran

Concen: 3.063 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY010130.D

Acq: 20 Aug 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

UST-WEST

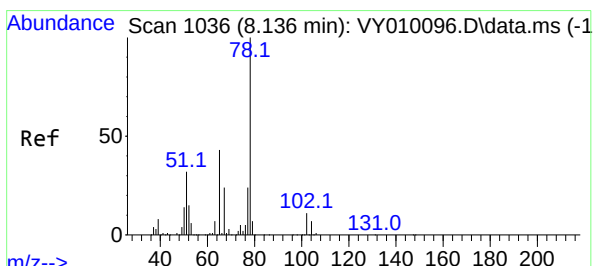
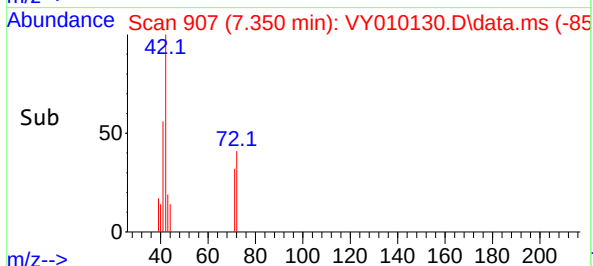
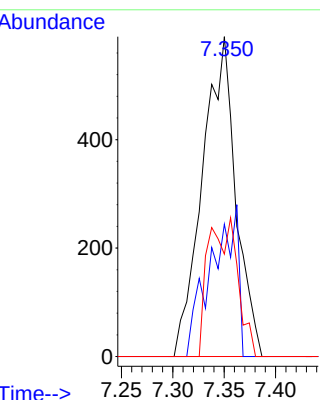
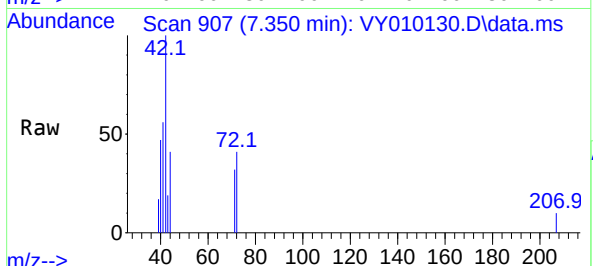
Tgt Ion: 42 Resp: 1332

Ion Ratio Lower Upper

42 100

72 38.1 37.4 56.0

71 37.8 34.9 52.3



#33

1,2-Dichloroethane-d4

Concen: 61.514 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010130.D

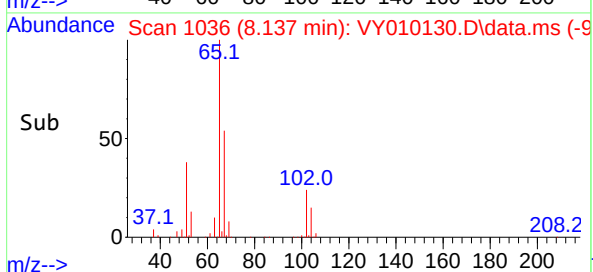
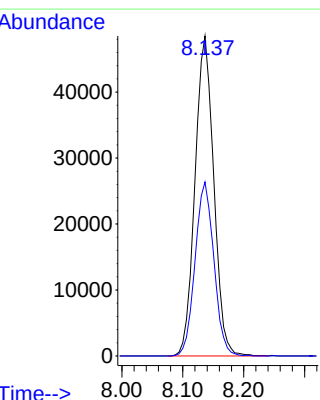
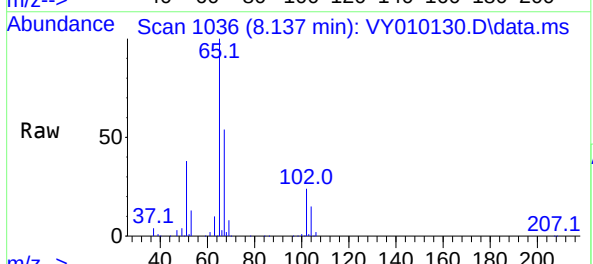
Acq: 20 Aug 2022 02:49

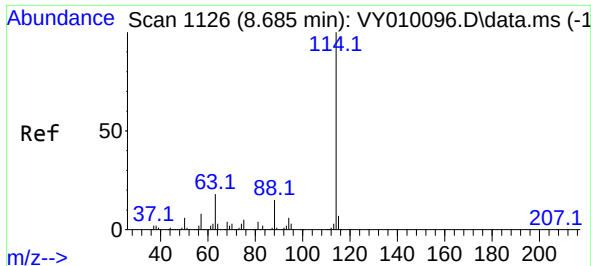
Tgt Ion: 65 Resp: 103897

Ion Ratio Lower Upper

65 100

67 54.5 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: VY010130.D

Acq: 20 Aug 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

UST-WEST

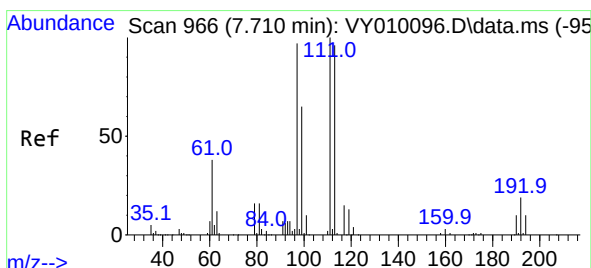
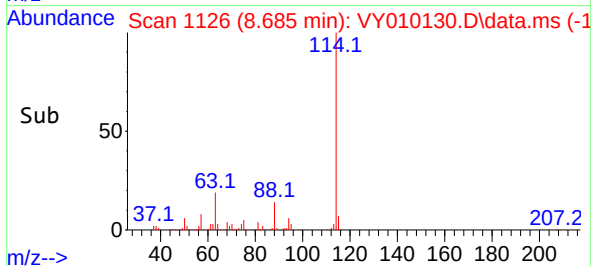
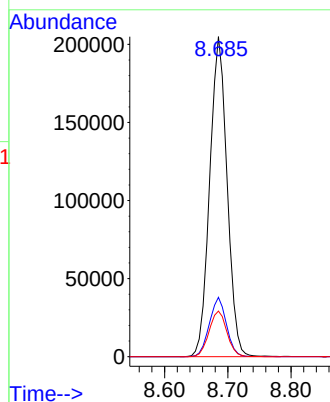
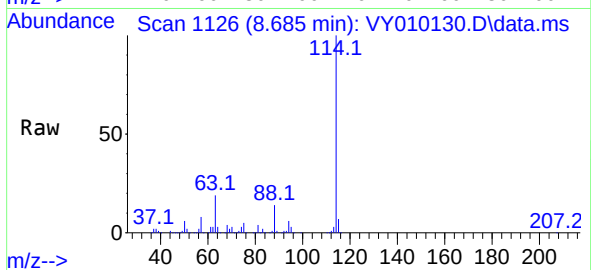
Tgt Ion:114 Resp: 391719

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

88 14.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.614 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010130.D

Acq: 20 Aug 2022 02:49

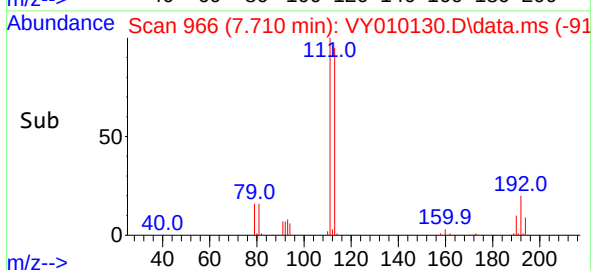
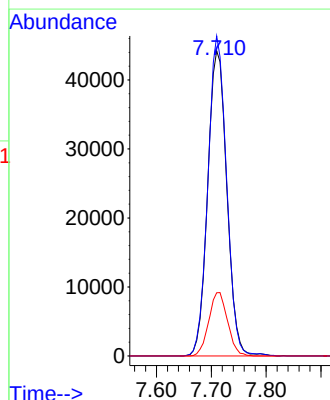
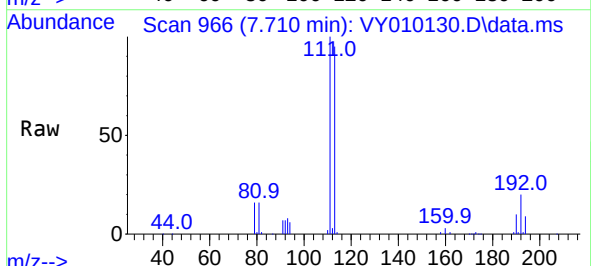
Tgt Ion:113 Resp: 107305

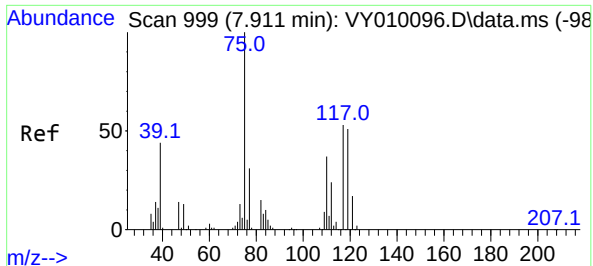
Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 20.4 16.3 24.5

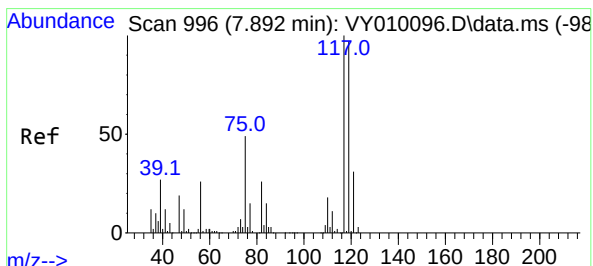
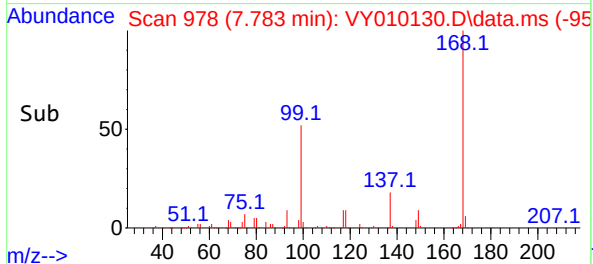
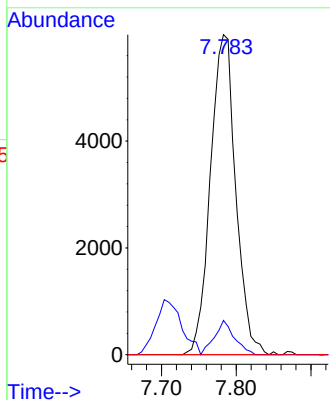
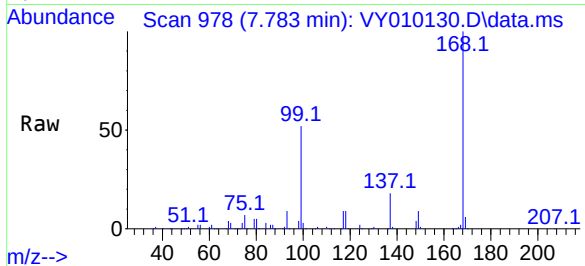




#36
1,1-Dichloropropene
Concen: 4.011 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

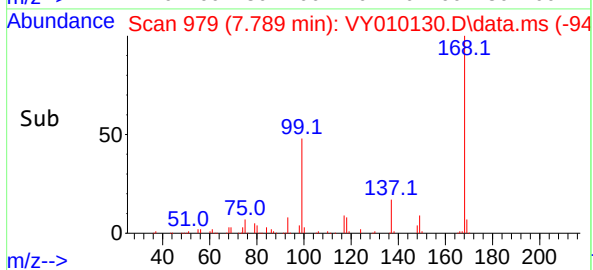
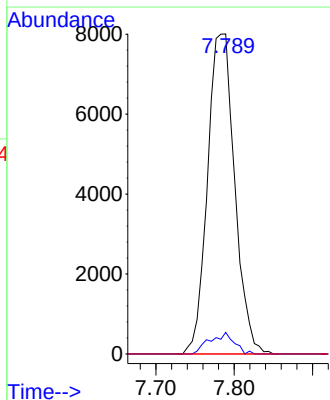
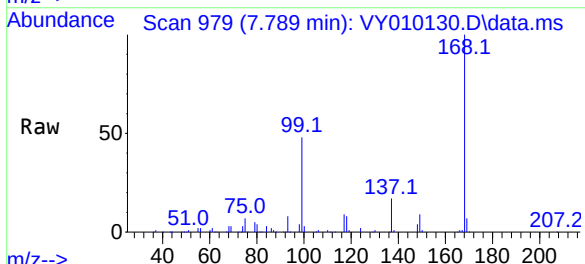
Instrument :
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UST-WEST

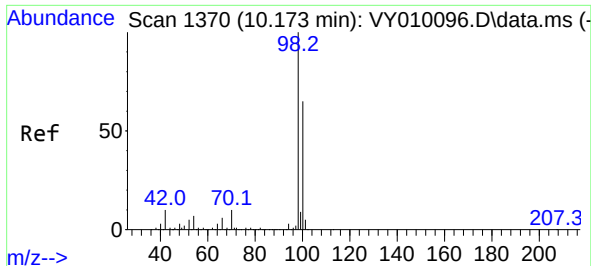
Tgt Ion: 75 Resp: 14130
Ion Ratio Lower Upper
75 100
110 8.4 18.6 56.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.103 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

Tgt Ion: 117 Resp: 19332
Ion Ratio Lower Upper
117 100
119 6.8 77.1 115.7#
121 0.0 24.7 37.1#

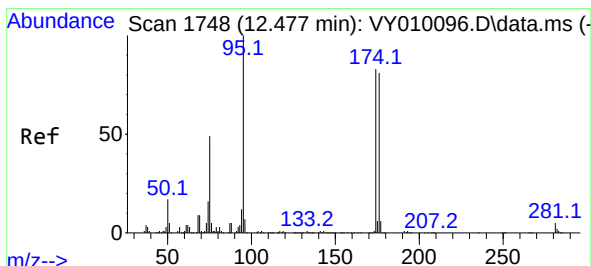
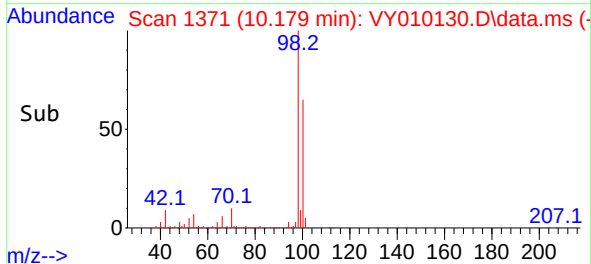
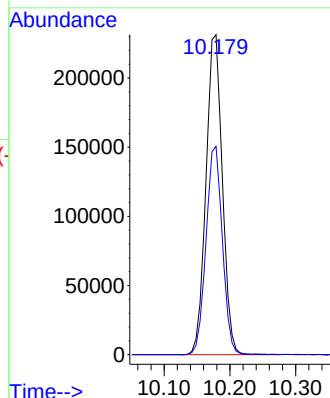
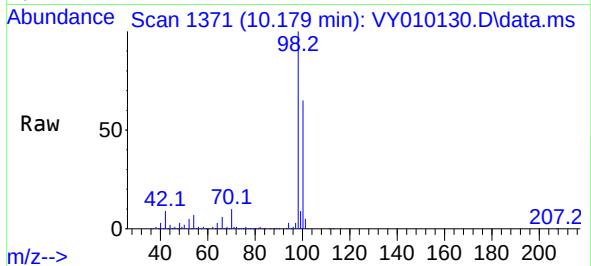




#50
Toluene-d8
Concen: 48.548 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

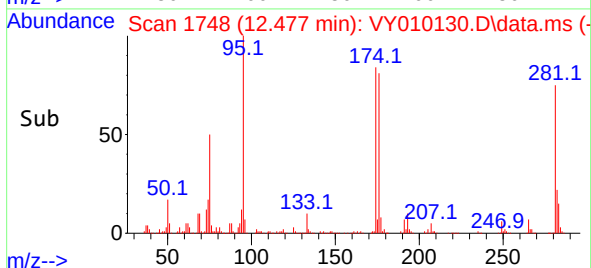
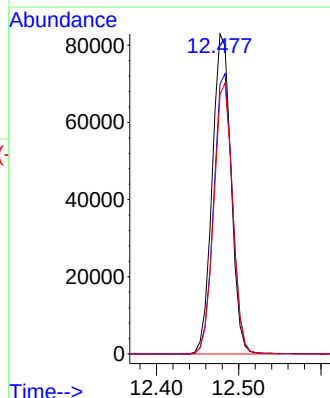
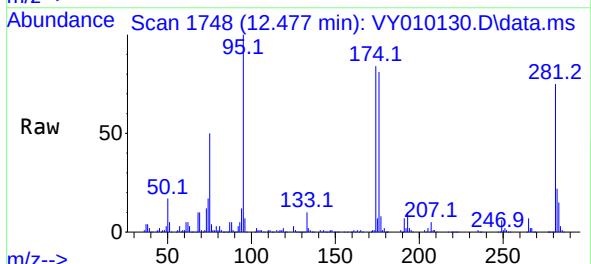
Instrument :
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UST-WEST

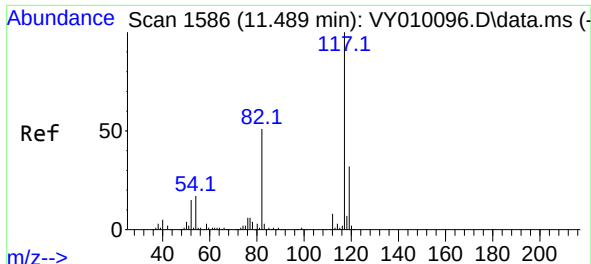
Tgt Ion: 98 Resp: 401532
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.546 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

Tgt Ion: 95 Resp: 131637
Ion Ratio Lower Upper
95 100
174 87.3 0.0 173.8
176 84.7 0.0 167.2

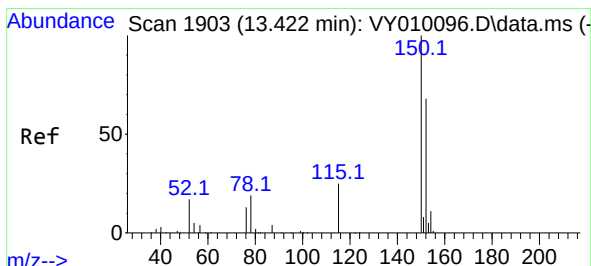
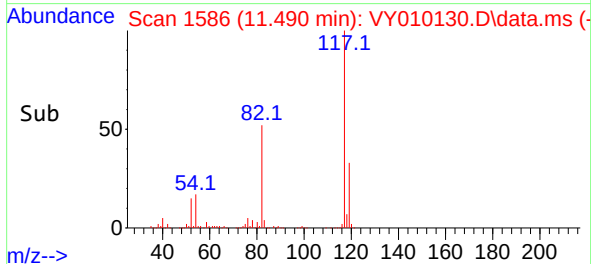
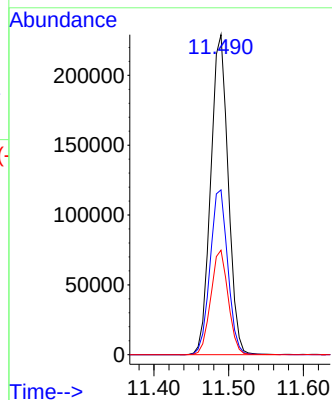
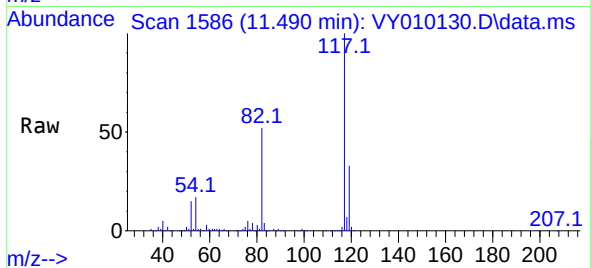




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

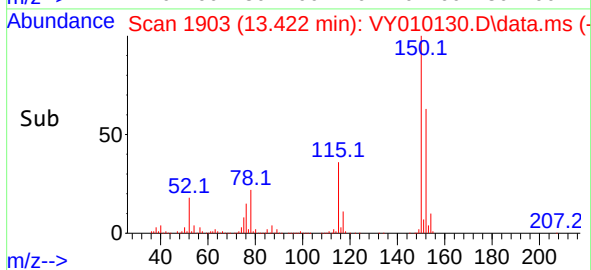
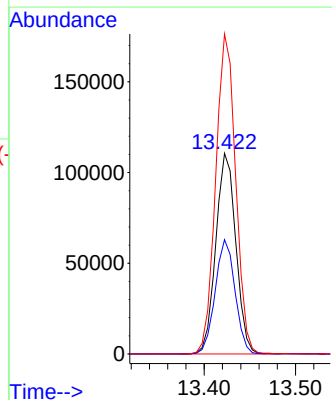
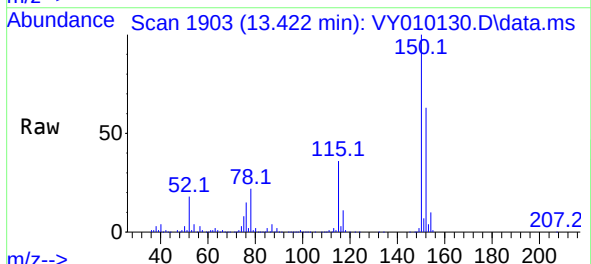
Instrument :
MSVOA_Y
ClientSampleId :
UST-WEST

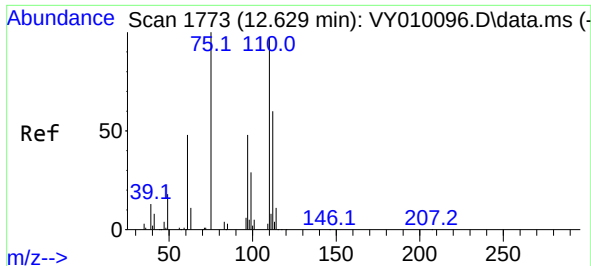
Tgt Ion:117 Resp: 371832
Ion Ratio Lower Upper
117 100
82 51.5 40.6 61.0
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

Tgt Ion:152 Resp: 168395
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.2
150 159.2 0.0 346.2

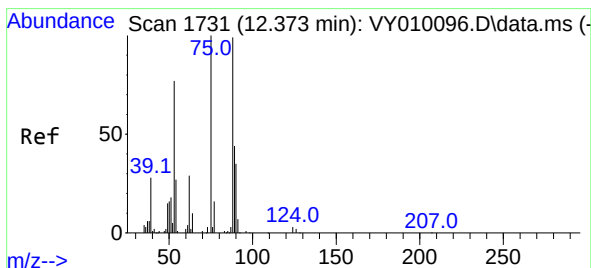
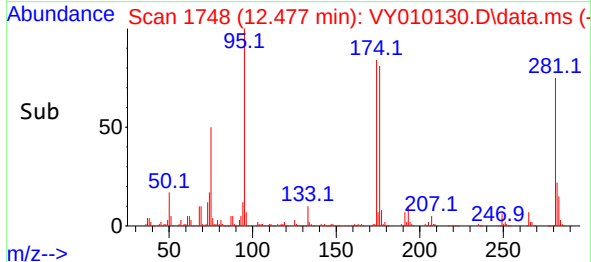
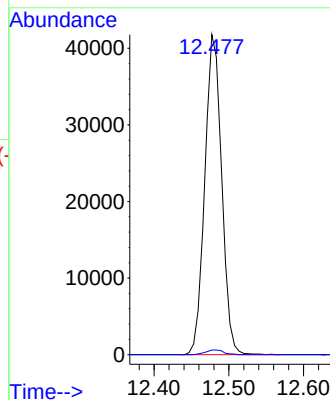
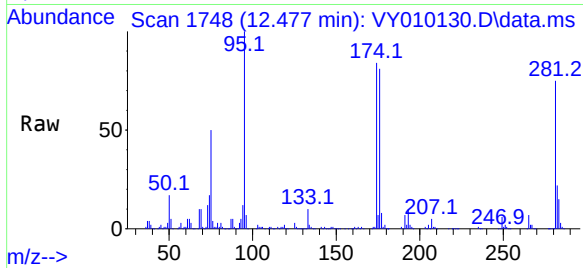




#76
1,2,3-Trichloropropane
Concen: 41.571 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

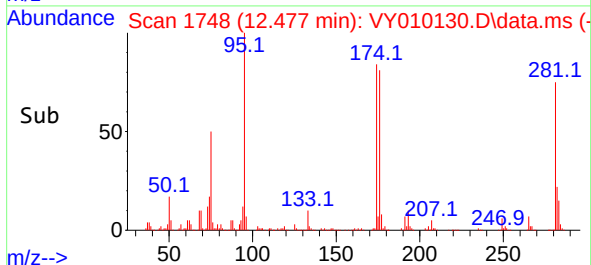
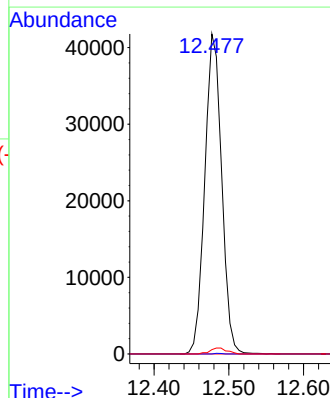
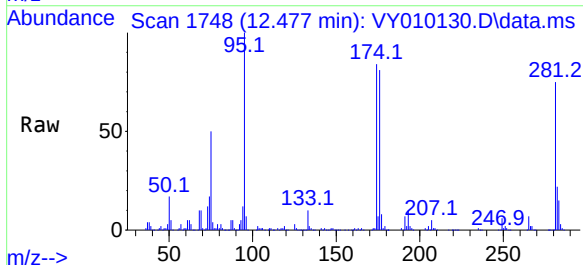
Instrument :
MSVOA_Y
ClientSampleId :
UST-WEST

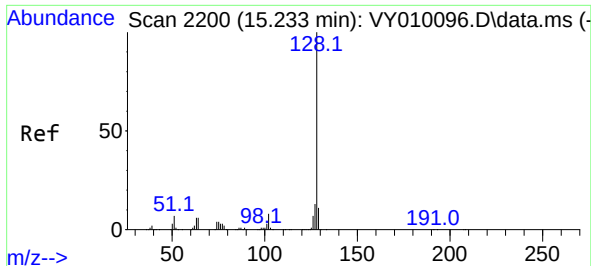
Tgt Ion: 75 Resp: 65560
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.495 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

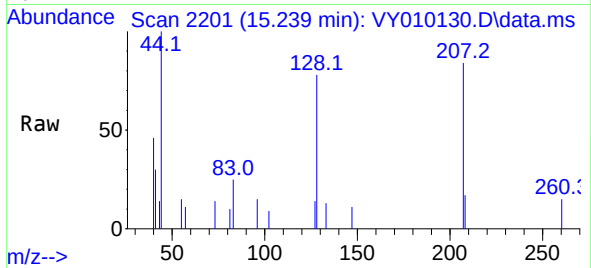
Tgt Ion: 75 Resp: 65560
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 1.9 36.8 55.2#





#95
Naphthalene
Concen: 3.995 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010130.D
Acq: 20 Aug 2022 02:49

Instrument :
MSVOA_Y
ClientSampleId :
UST-WEST



Tgt Ion:128 Resp: 750
Ion Ratio Lower Upper
128 100
127 9.7 10.2 15.2#
129 0.0 8.9 13.3#

