

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012478.D
 Acq On : 03 Feb 2023 15:37
 Operator : KP/MD
 Sample : 01414-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:10:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

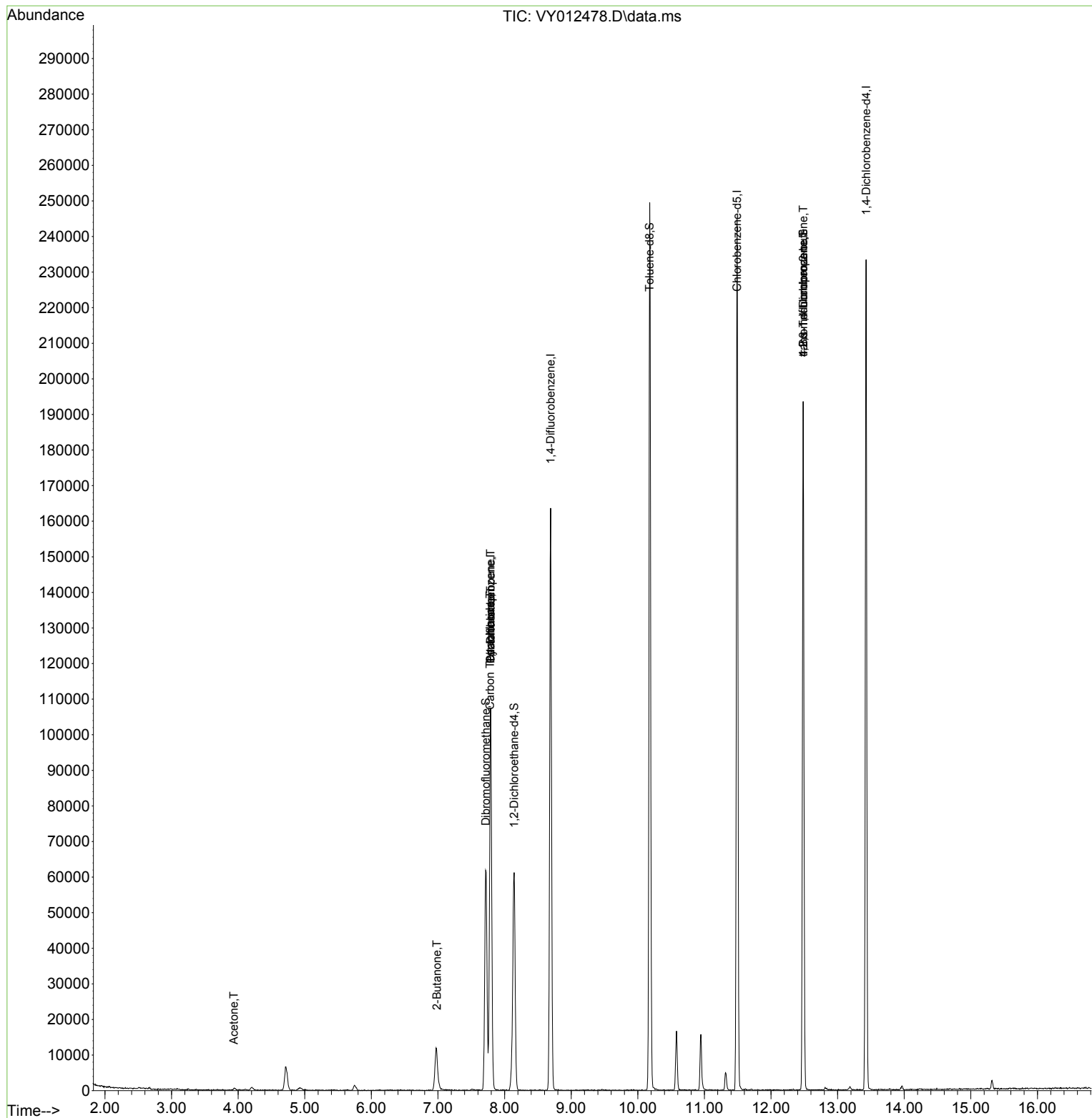
Internal Standards						
1) Pentafluorobenzene	7.789	168	84971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	139333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49699	72.319	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.640%	
35) Dibromofluoromethane	7.716	113	43325	57.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.520%	
50) Toluene-d8	10.179	98	170413	67.048	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.100%	
62) 4-Bromofluorobenzene	12.483	95	53683	50.769	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	437	Below Cal	#	74
16) Acetone	3.936	43	834	3.525	ug/l	93
20) Methylene Chloride	4.716	84	5338	Below Cal	#	90
25) 2-Butanone	6.984	43	470	1.799	ug/l	# 46
31) Cyclohexane	7.789	56	1543	1.245	ug/l	# 4
36) 1,1-Dichloropropene	7.789	75	5808	4.556	ug/l	# 43
38) Carbon Tetrachloride	7.783	117	8321	5.054	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	28210	49.642	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	28210	102.284	ug/l	# 13

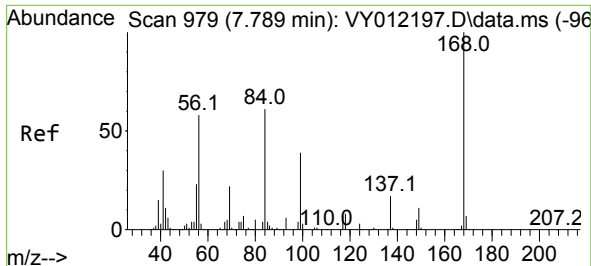
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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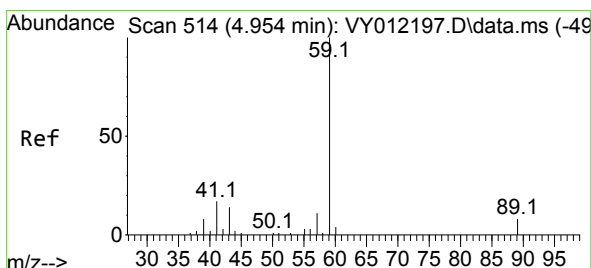
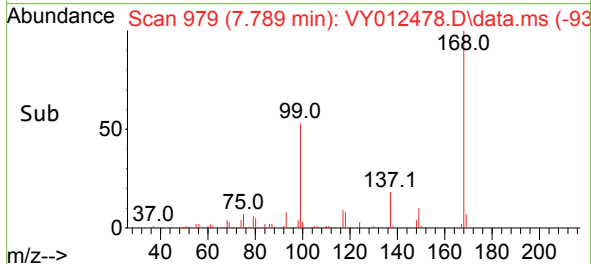
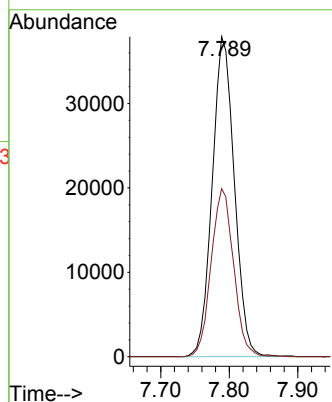
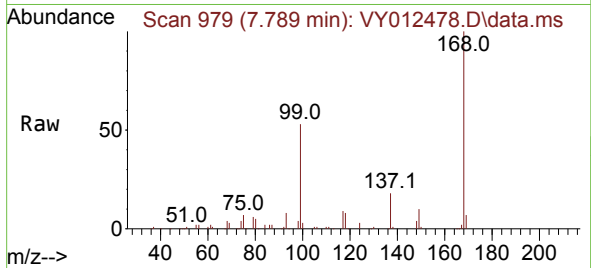




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

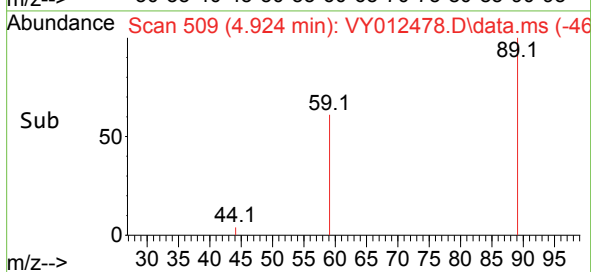
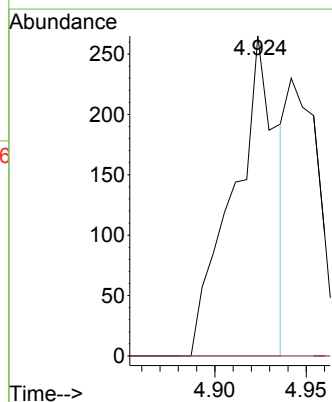
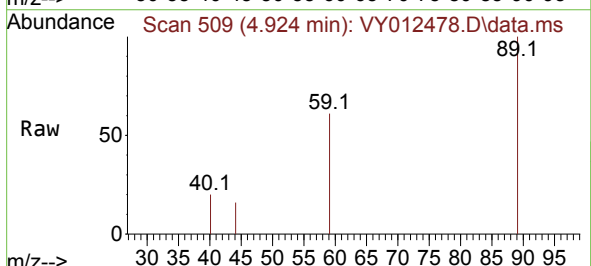
Instrument :
MSVOA_Y
ClientSampleId :

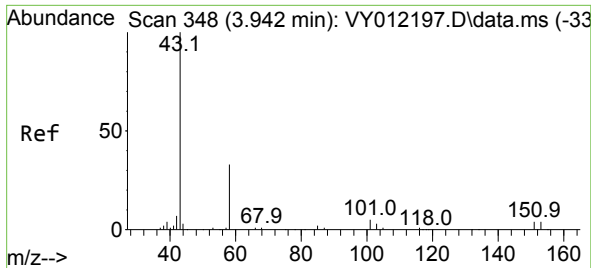
Tgt Ion:168 Resp: 84971
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

Tgt Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

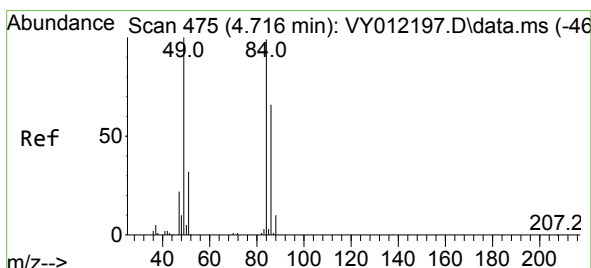
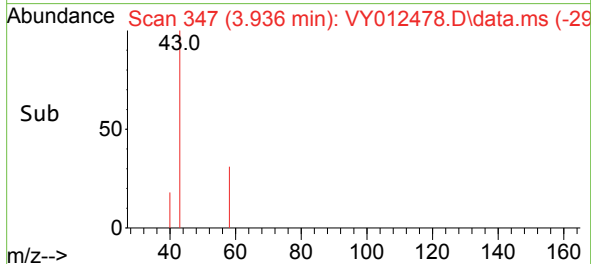
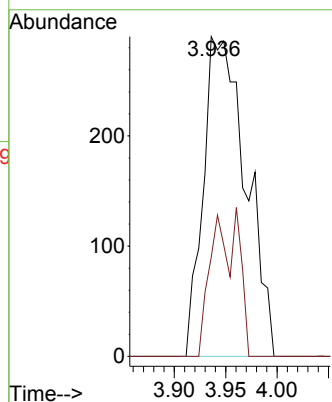
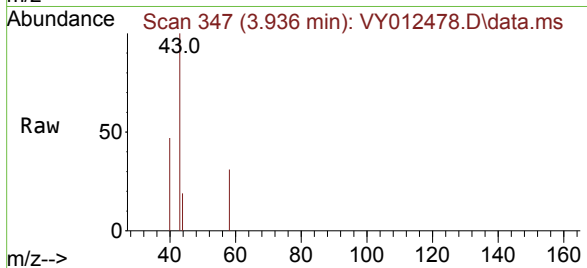




#16
Acetone
Concen: 3.525 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

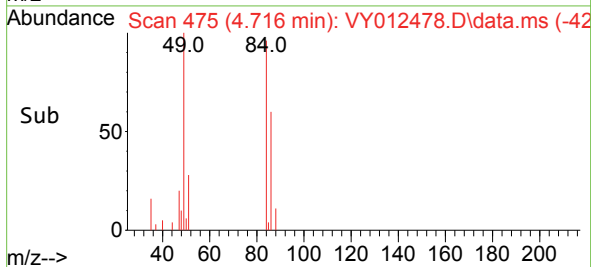
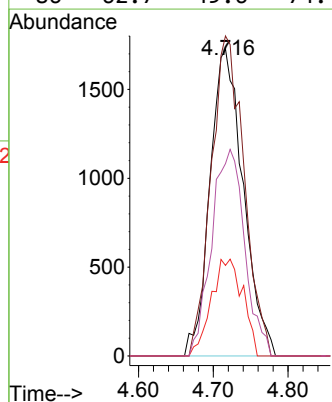
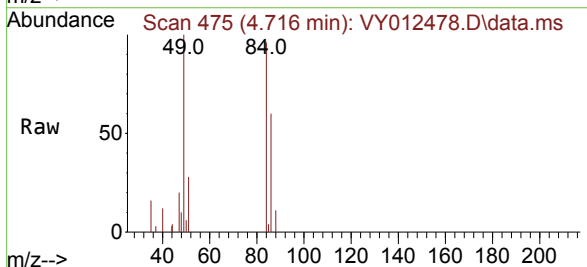
Instrument :
MSVOA_Y
ClientSampleId :

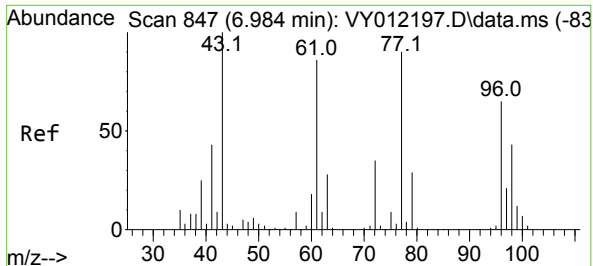
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 31.0 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

Tgt Ion: 84 Resp: 5338
Ion Ratio Lower Upper
84 100
49 104.3 95.4 143.2
51 29.5 29.9 44.9#
86 62.7 49.6 74.4





#25

2-Butanone

Concen: 1.799 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

Instrument :

MSVOA_Y

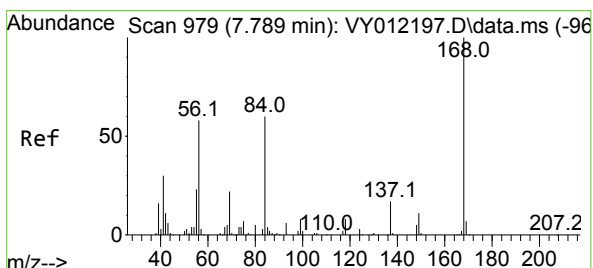
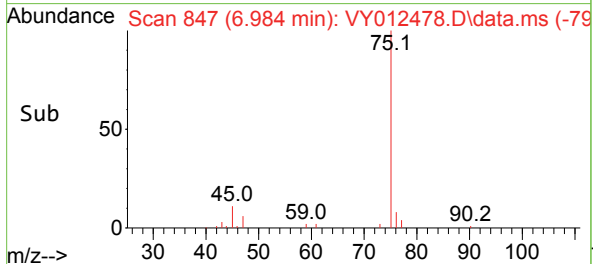
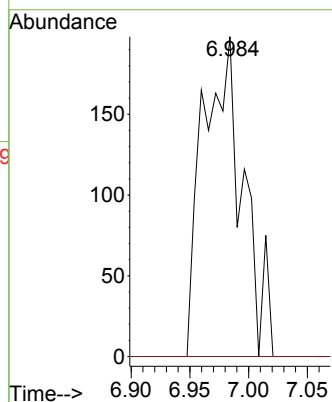
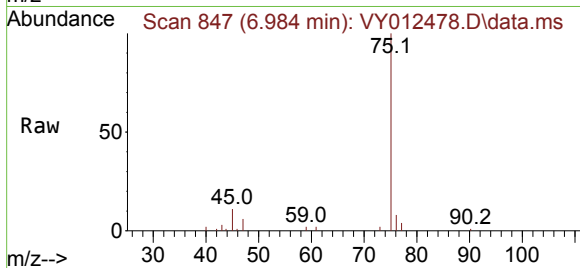
ClientSampleId :

Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

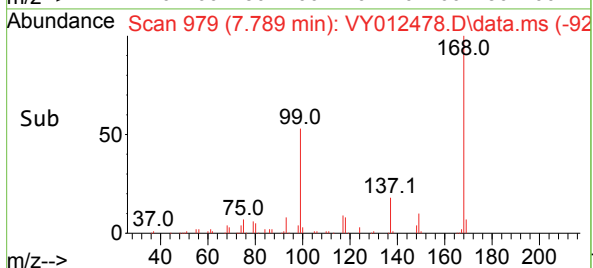
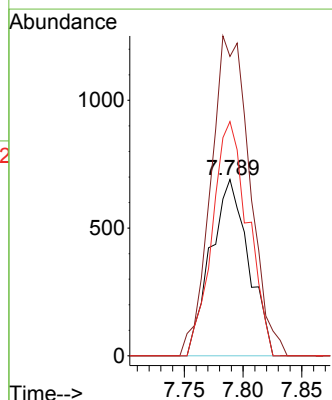
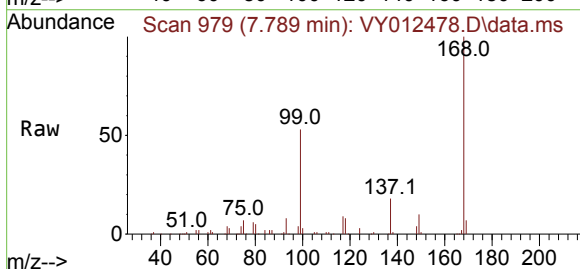
Tgt Ion: 56 Resp: 1543

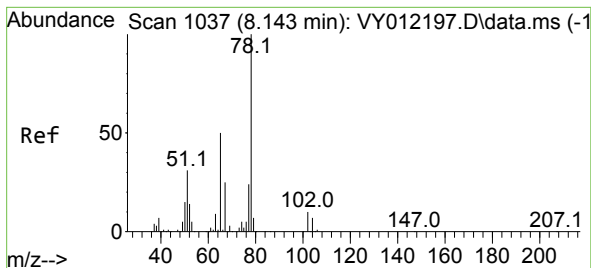
Ion Ratio Lower Upper

56 100

69 169.9 29.2 43.8#

84 132.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 72.319 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

Instrument :

MSVOA_Y

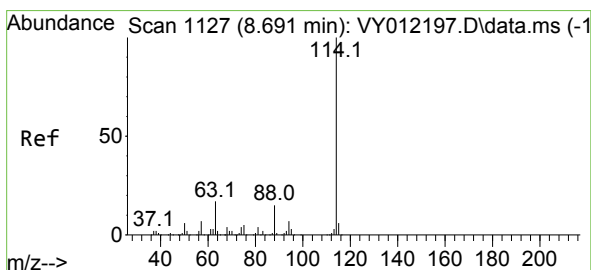
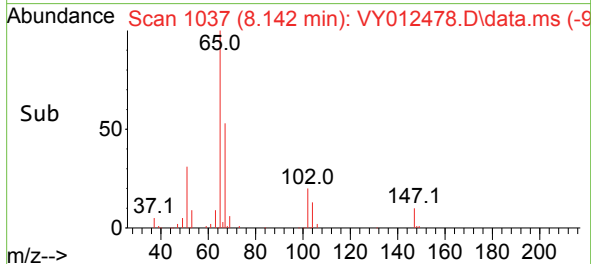
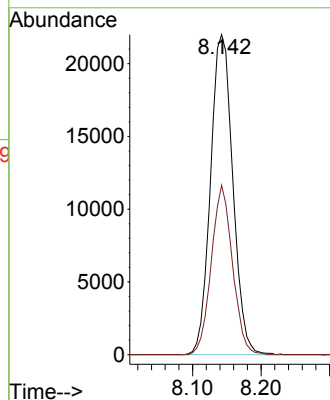
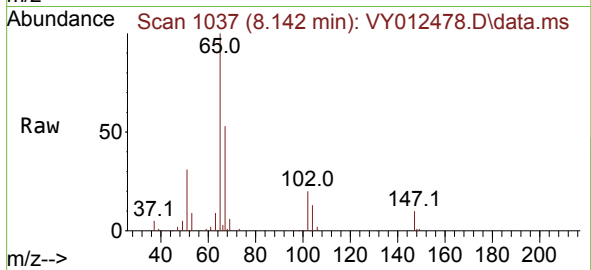
ClientSampleId :

Tgt Ion: 65 Resp: 49699

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

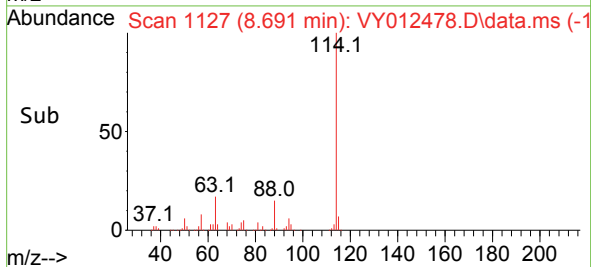
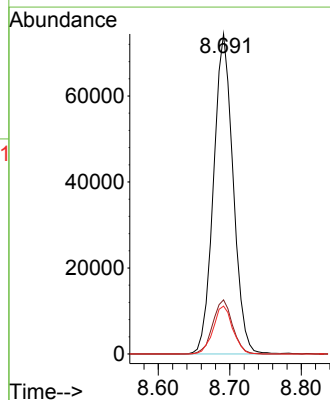
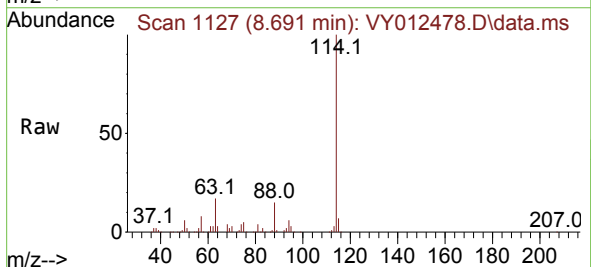
Tgt Ion: 114 Resp: 141660

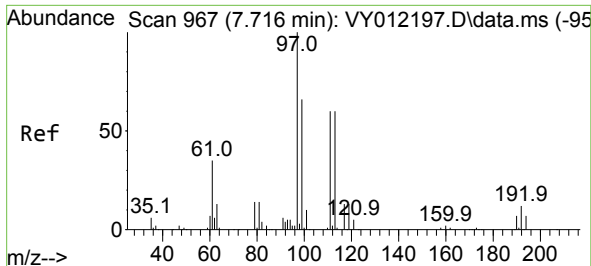
Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.0 0.0 32.2

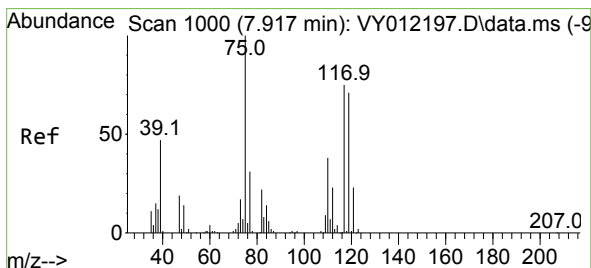
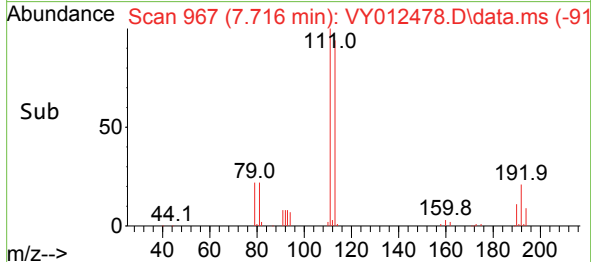
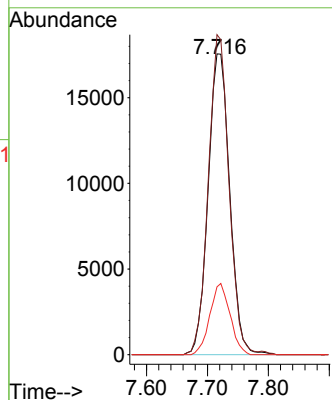
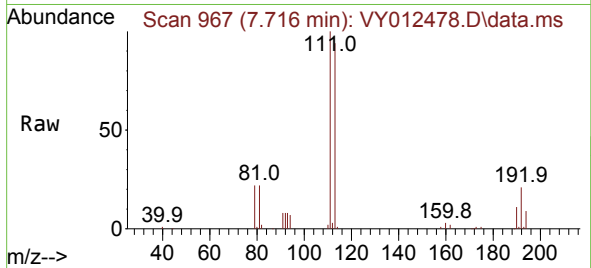




#35
Dibromofluoromethane
Concen: 57.760 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

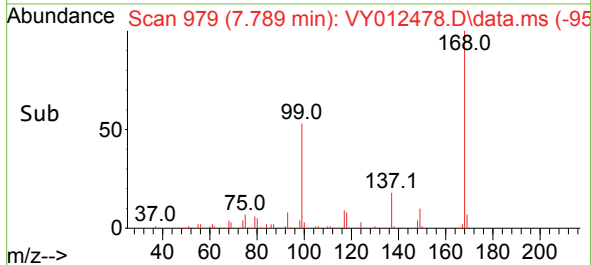
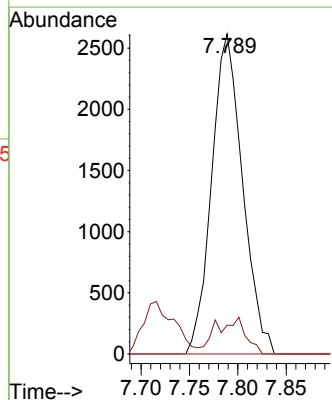
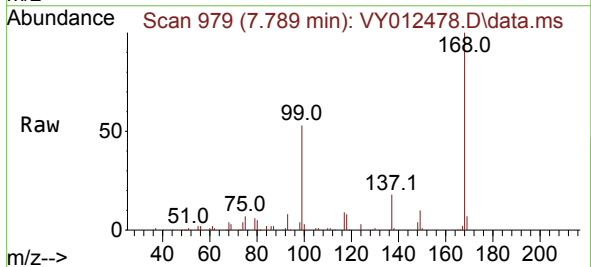
Instrument :
MSVOA_Y
ClientSampleId :

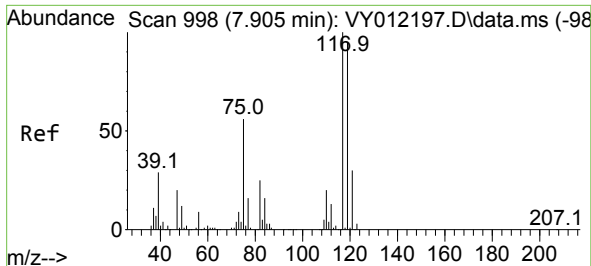
Tgt Ion:113 Resp: 43325
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 22.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

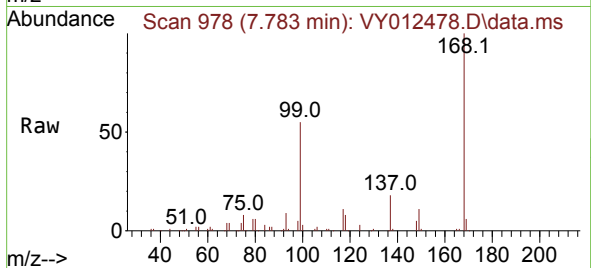
Tgt Ion: 75 Resp: 5808
Ion Ratio Lower Upper
75 100
110 2.8 18.1 54.1#
77 0.0 25.1 37.7#



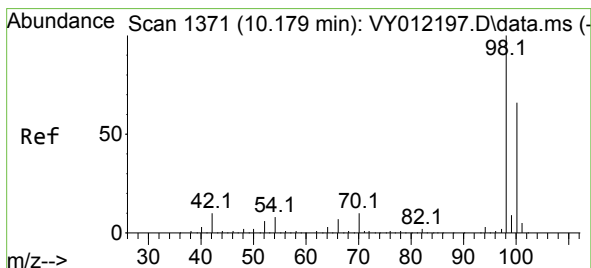
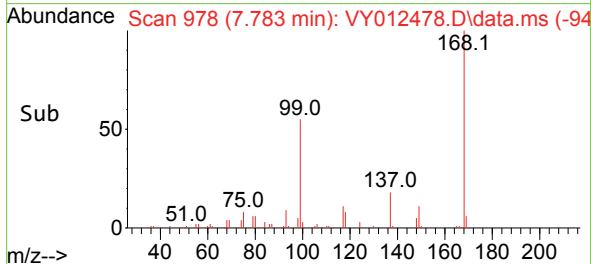
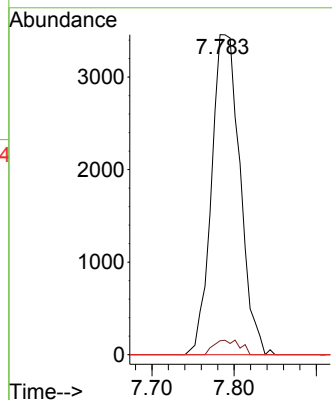


#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

Instrument :
MSVOA_Y
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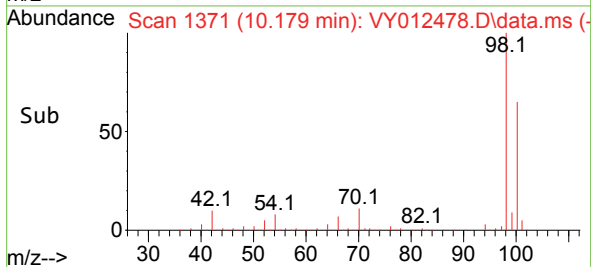
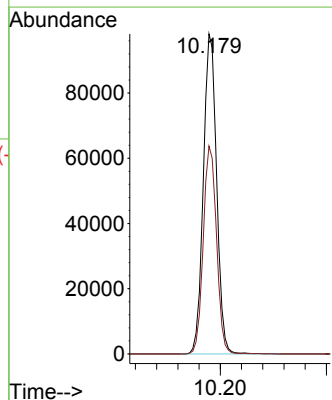
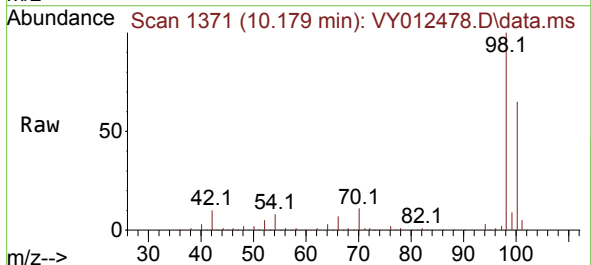


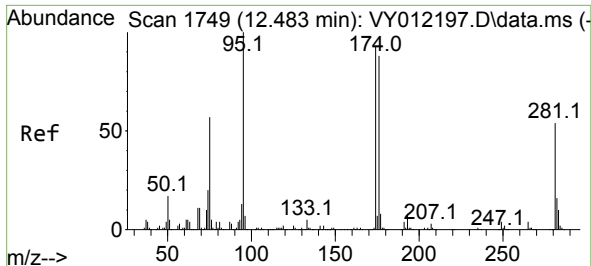
Tgt Ion:117 Resp: 8321
Ion Ratio Lower Upper
117 100
119 4.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 67.048 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

Tgt Ion: 98 Resp: 170413
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

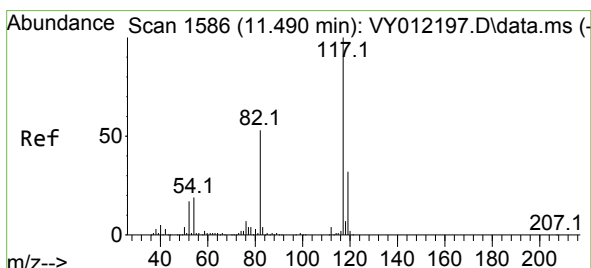
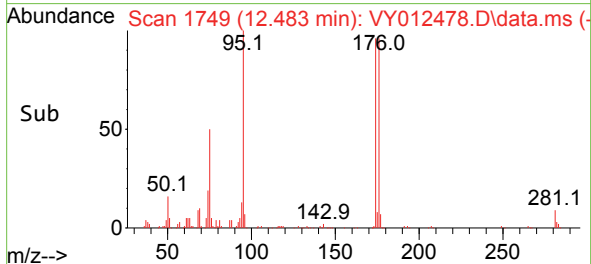
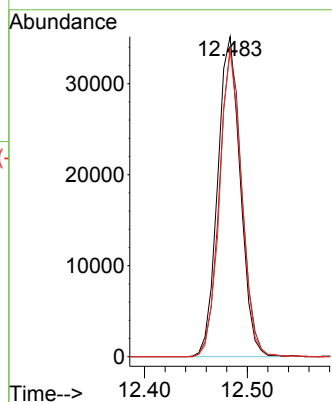
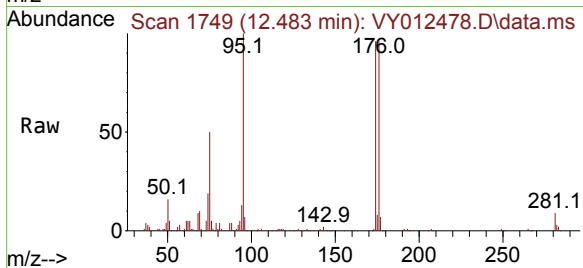




#62
4-Bromofluorobenzene
Concen: 50.769 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

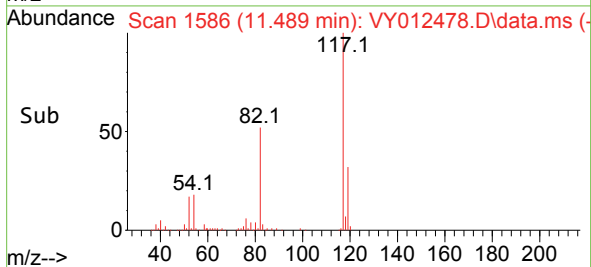
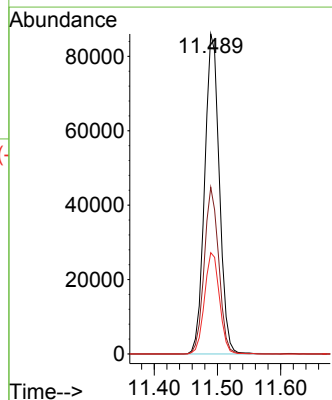
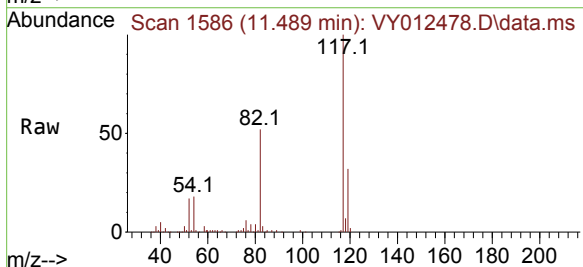
Instrument :
MSVOA_Y
ClientSampleId :

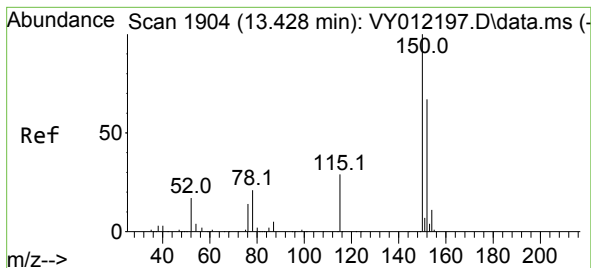
Tgt Ion: 95 Resp: 53683
Ion Ratio Lower Upper
95 100
174 95.9 0.0 172.0
176 93.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012478.D
Acq: 03 Feb 2023 15:37

Tgt Ion: 117 Resp: 139333
Ion Ratio Lower Upper
117 100
82 52.1 44.8 67.2
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

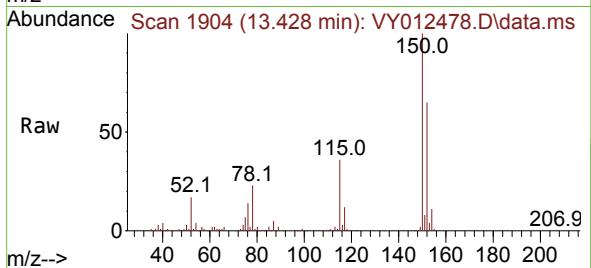
Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

Instrument :

MSVOA_Y

ClientSampleId :



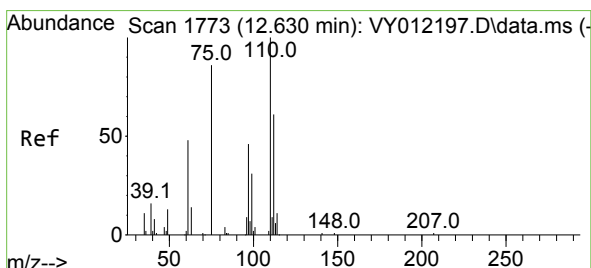
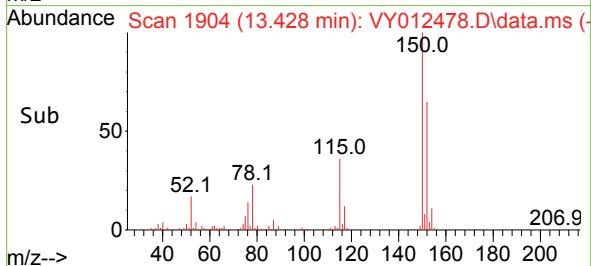
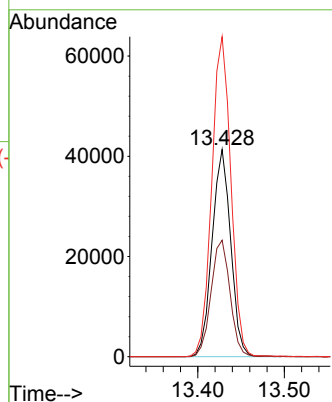
Tgt Ion:152 Resp: 61800

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.3

150 158.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 49.642 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012478.D

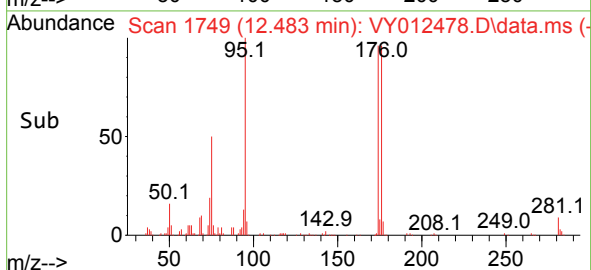
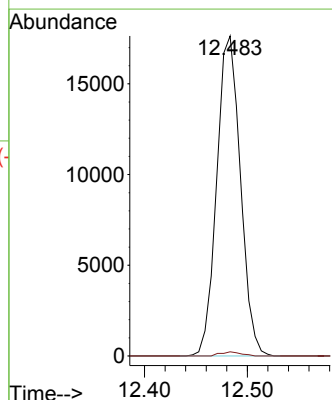
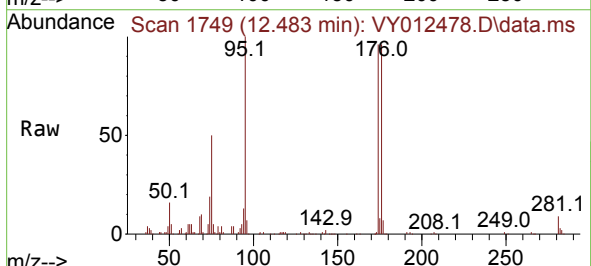
Acq: 03 Feb 2023 15:37

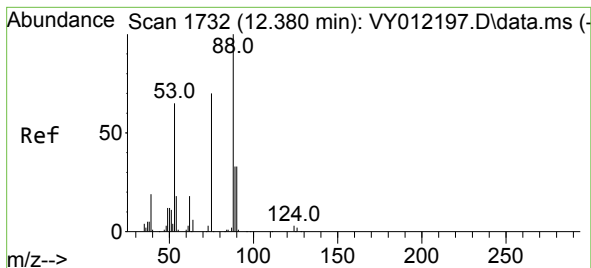
Tgt Ion: 75 Resp: 28210

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 102.284 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.109 min

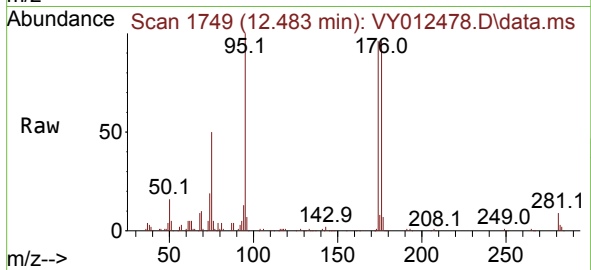
Lab File: VY012478.D

Acq: 03 Feb 2023 15:37

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75 Resp: 28210

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

