

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012723\
 Data File : VY012382.D
 Acq On : 27 Jan 2023 14:42
 Operator : KP/MD
 Sample : 01337-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-012723

Quant Time: Jan 30 02:41:46 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	7.795	168	155570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	245336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95804	76.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.740%
35) Dibromofluoromethane	7.716	113	75794	55.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.300%
50) Toluene-d8	10.179	98	302653	65.478	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.960%
62) 4-Bromofluorobenzene	12.483	95	97776	50.927	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.860%

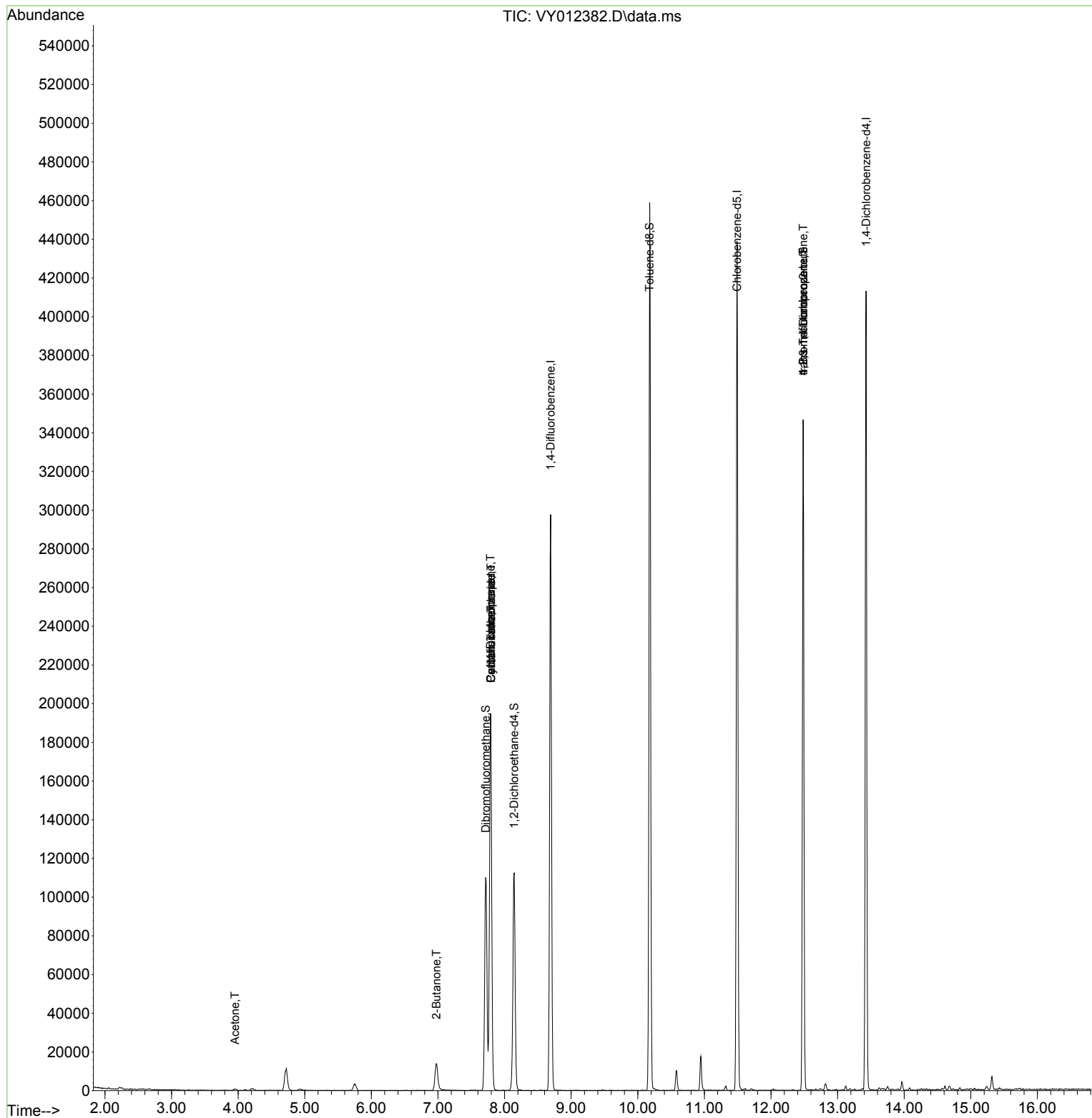
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	771	Below Cal	#	74
16) Acetone	3.954	43	1270	2.932	ug/l	# 80
20) Methylene Chloride	4.723	84	9350	Below Cal	#	85
25) 2-Butanone	6.978	43	850	1.777	ug/l	# 46
31) Cyclohexane	7.795	56	2753	1.214	ug/l	# 17
36) 1,1-Dichloropropene	7.789	75	10454	4.516	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	15055	5.036	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	53485	52.378	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	53485	107.923	ug/l	# 13

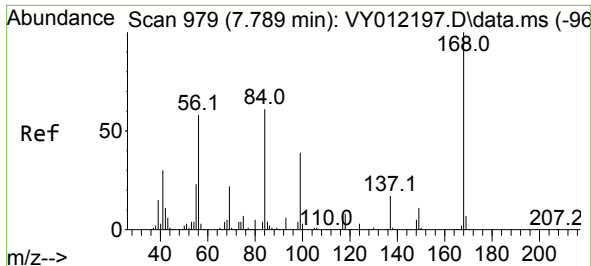
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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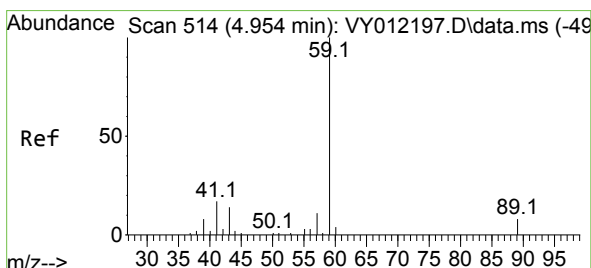
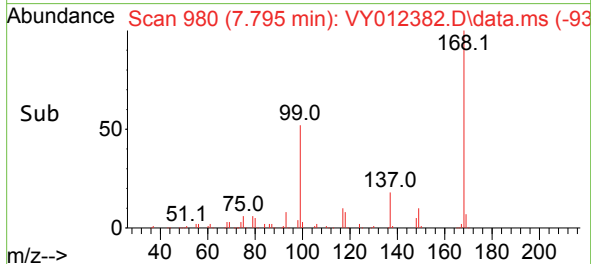
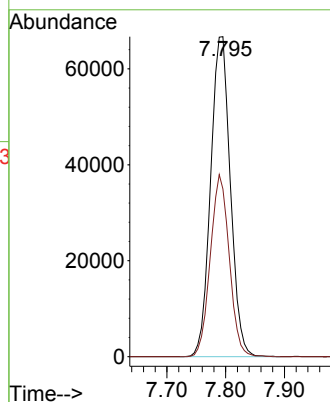
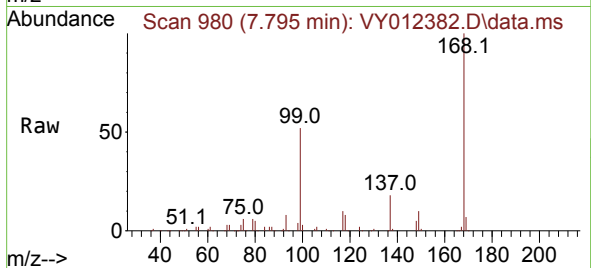




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

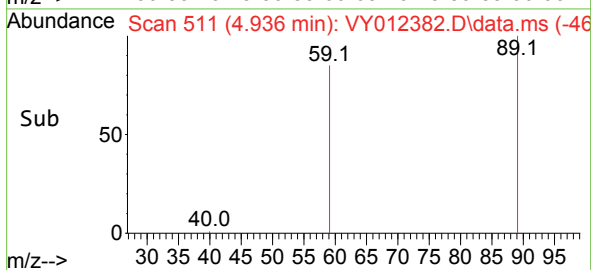
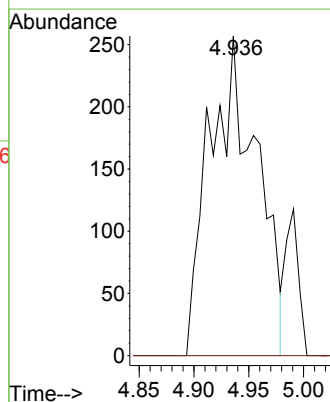
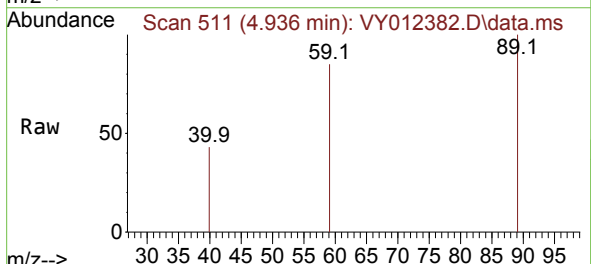
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-012723

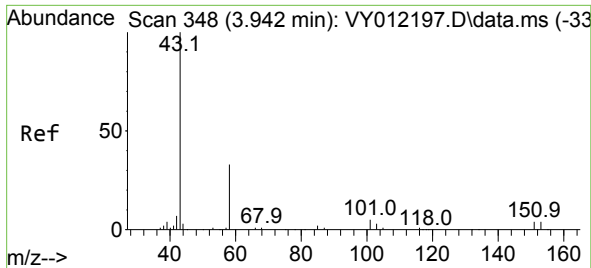
Tgt Ion:168 Resp: 155570
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

Tgt Ion: 59 Resp: 771
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.932 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012382.D

Acq: 27 Jan 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

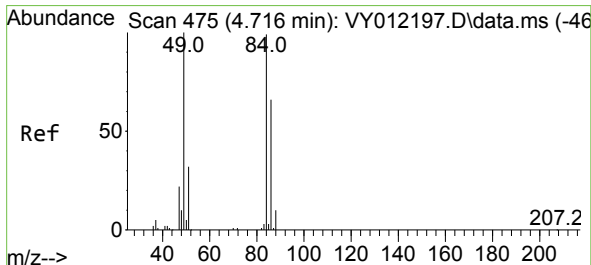
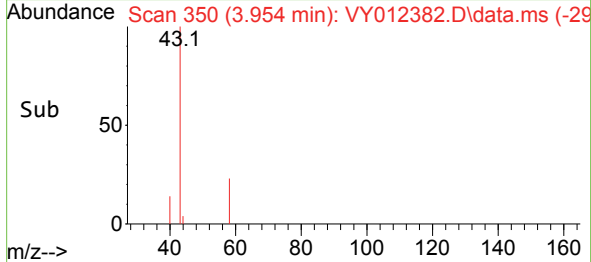
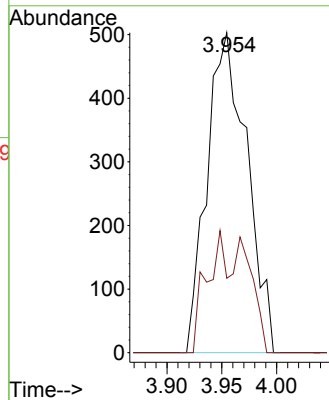
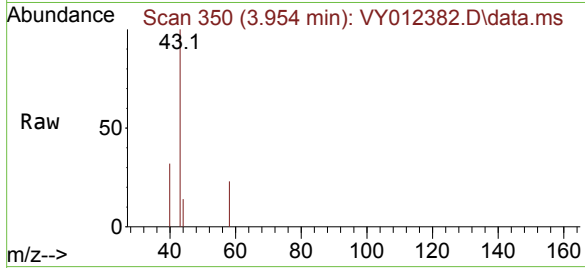
SU-02-012723

Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

58 23.3 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 476

Delta R.T. 0.007 min

Lab File: VY012382.D

Acq: 27 Jan 2023 14:42

Tgt Ion: 84 Resp: 9350

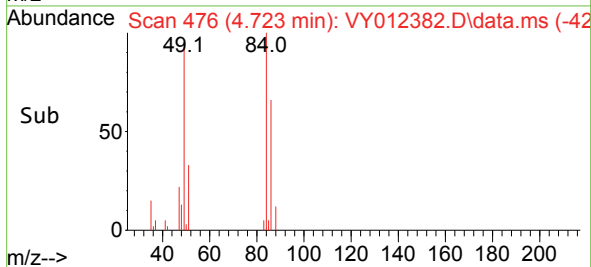
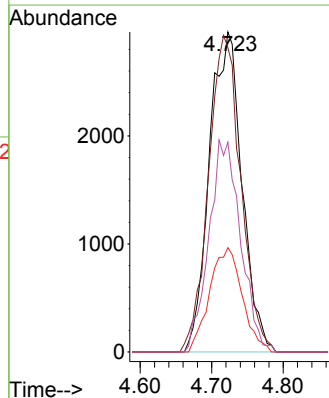
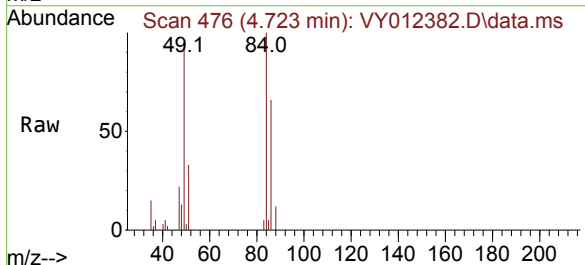
Ion Ratio Lower Upper

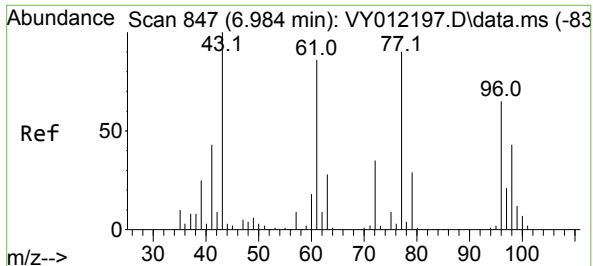
84 100

49 95.1 95.4 143.2#

51 32.6 29.9 44.9

86 65.6 49.6 74.4





#25

2-Butanone

Concen: 1.777 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012382.D

Acq: 27 Jan 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

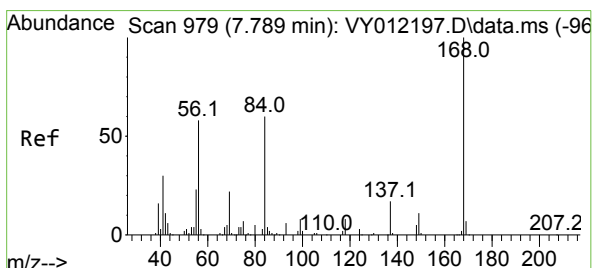
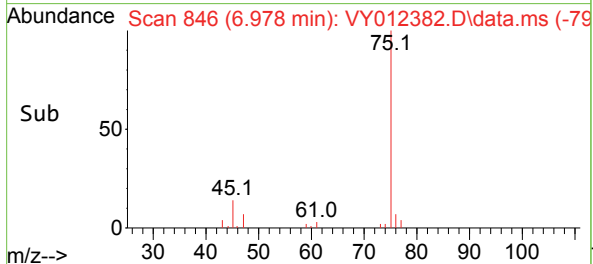
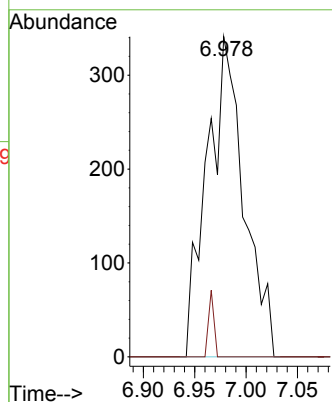
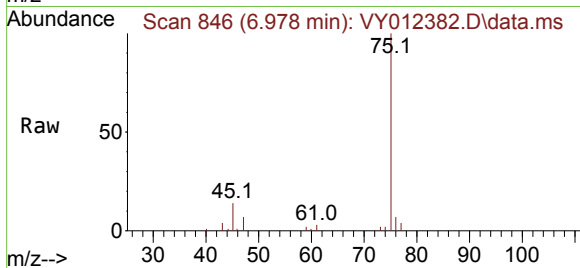
SU-02-012723

Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012382.D

Acq: 27 Jan 2023 14:42

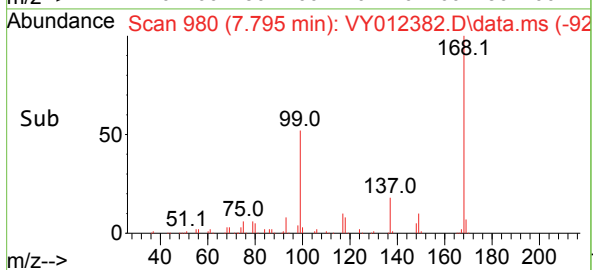
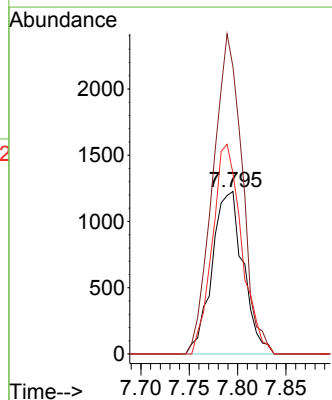
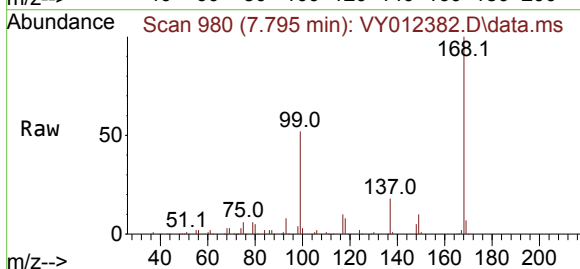
Tgt Ion: 56 Resp: 2753

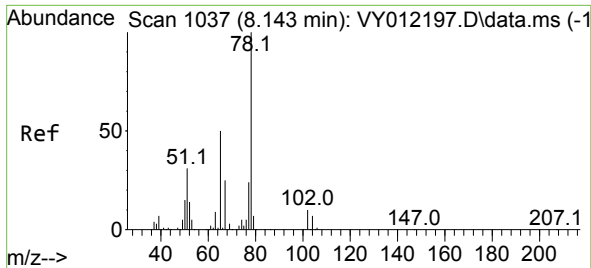
Ion Ratio Lower Upper

56 100

69 176.4 29.2 43.8#

84 111.0 72.6 108.8#

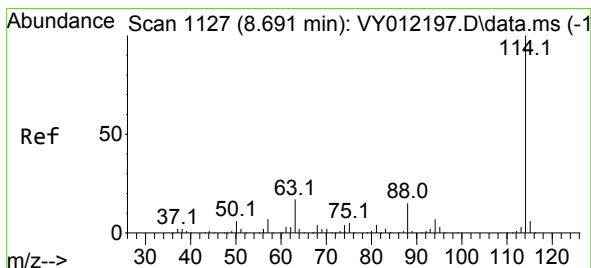
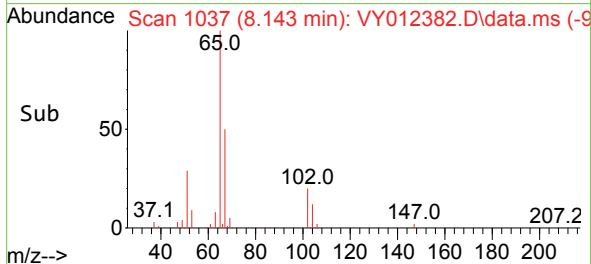
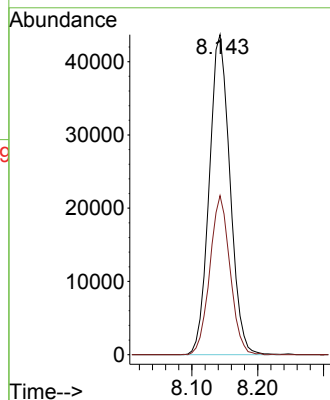
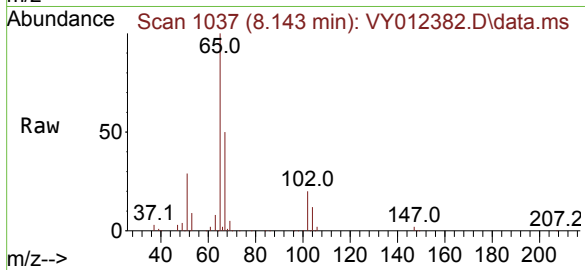




#33
 1,2-Dichloroethane-d4
 Concen: 76.369 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012382.D
 Acq: 27 Jan 2023 14:42

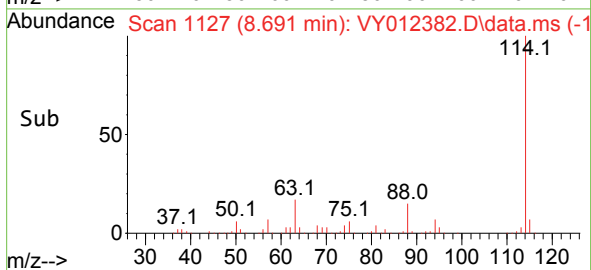
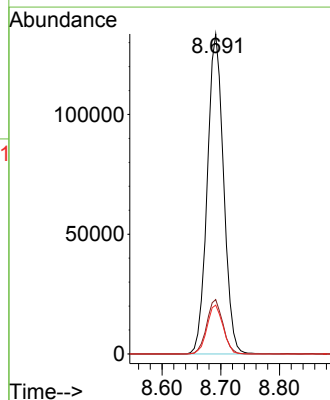
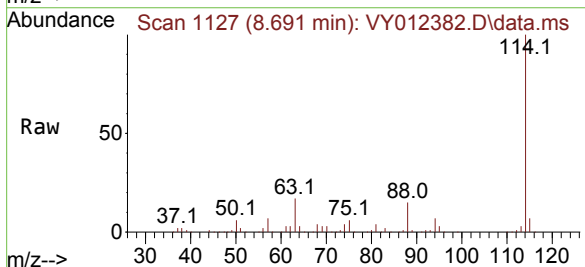
Instrument :
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 SU-02-012723

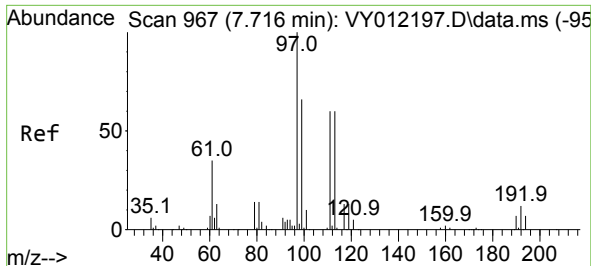
Tgt Ion: 65 Resp: 95804
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012382.D
 Acq: 27 Jan 2023 14:42

Tgt Ion: 114 Resp: 257211
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 39.6
 88 15.2 0.0 32.2

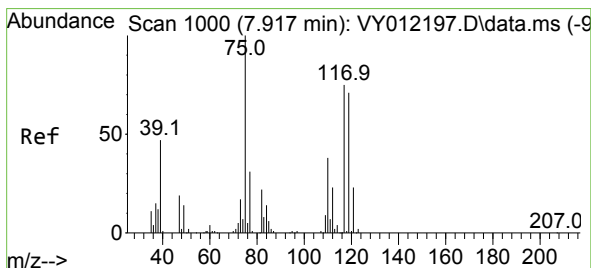
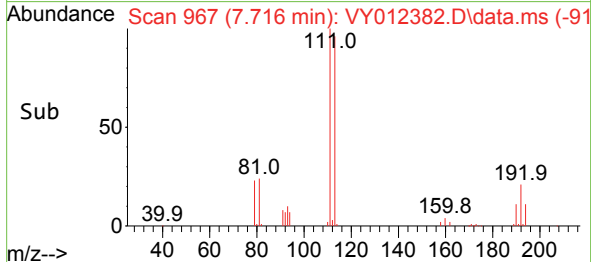
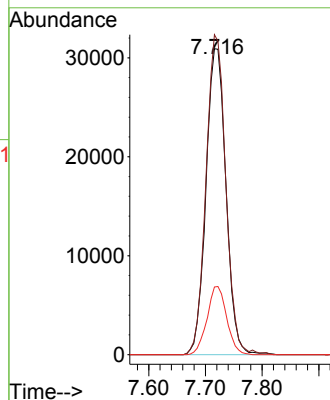
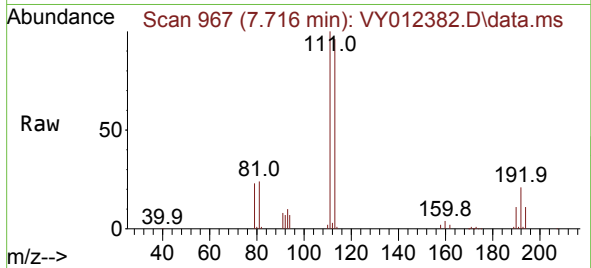




#35
Dibromofluoromethane
Concen: 55.652 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

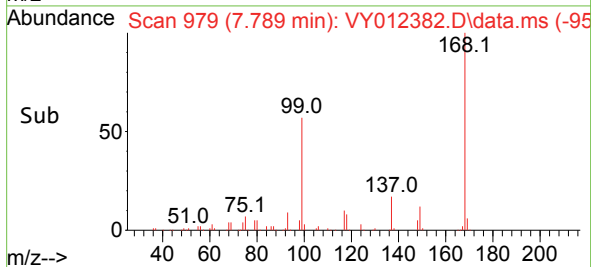
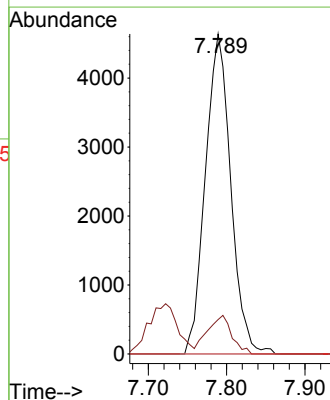
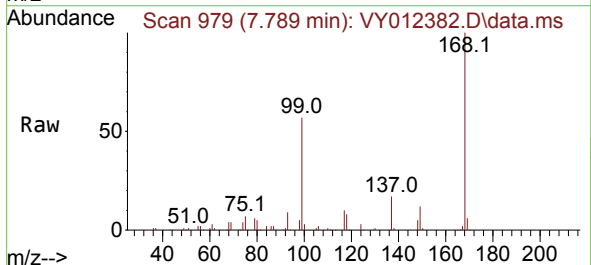
Instrument :
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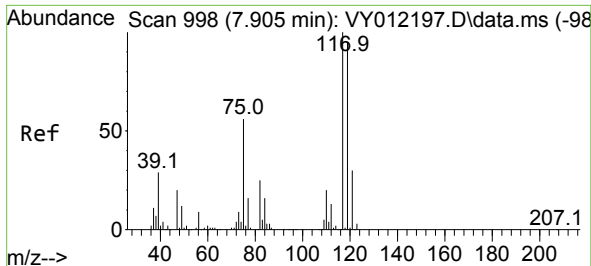
Tgt Ion:113 Resp: 75794
Ion Ratio Lower Upper
113 100
111 103.5 83.0 124.4
192 21.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

Tgt Ion: 75 Resp: 10454
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.1#
77 0.0 25.1 37.7#

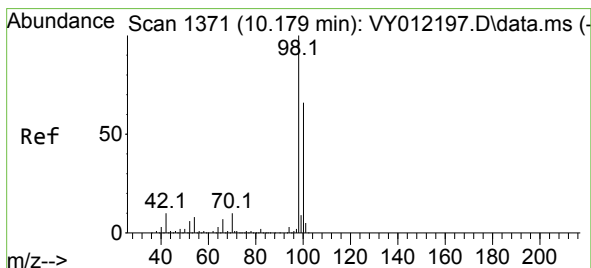
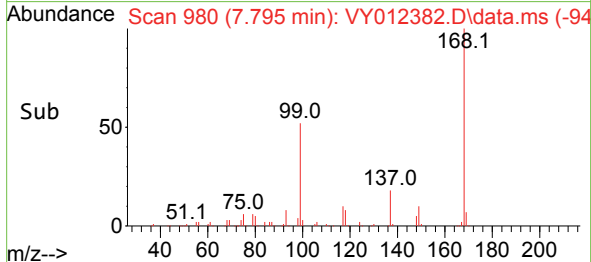
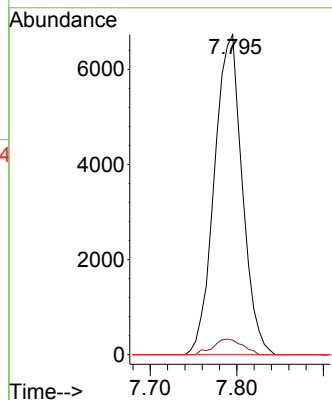
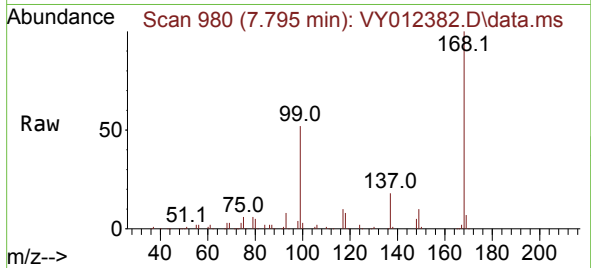




#38
Carbon Tetrachloride
Concen: 5.036 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

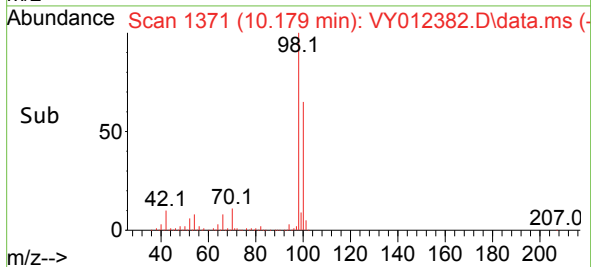
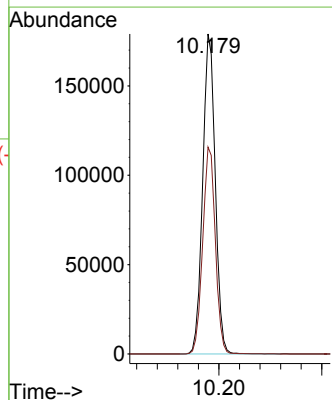
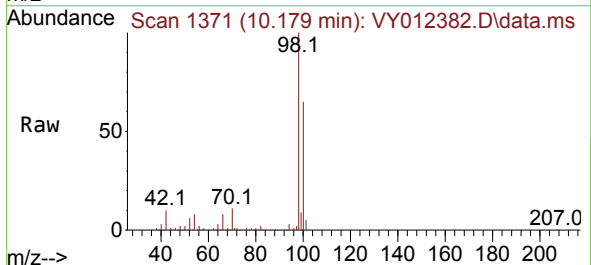
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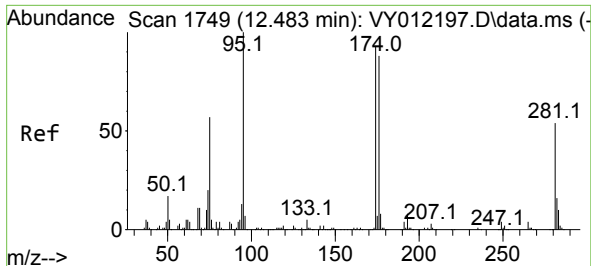
Tgt Ion:117 Resp: 15055
Ion Ratio Lower Upper
117 100
119 4.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.478 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

Tgt Ion: 98 Resp: 302653
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

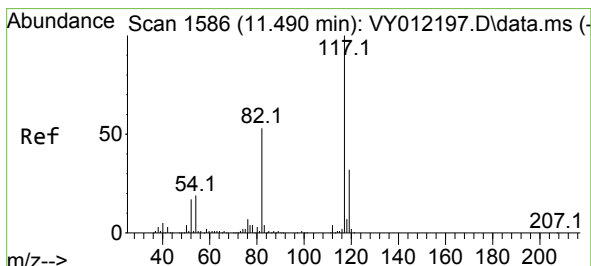
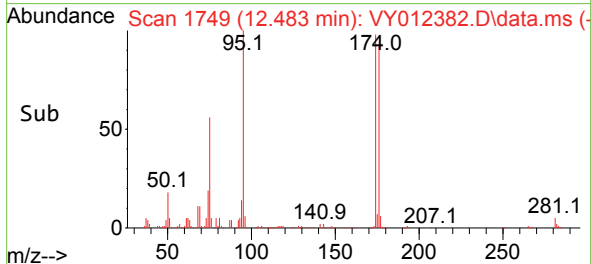
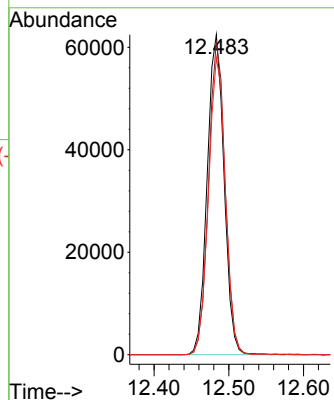
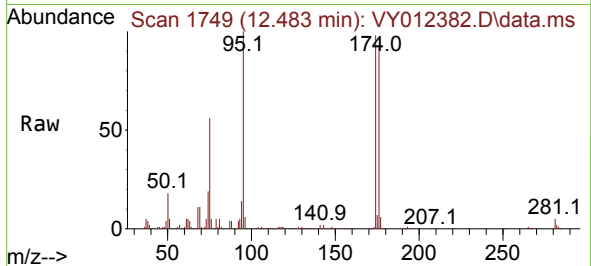




#62
4-Bromofluorobenzene
Concen: 50.927 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

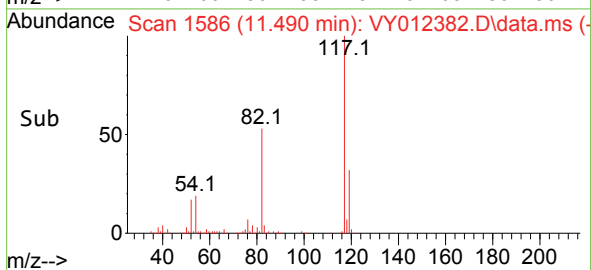
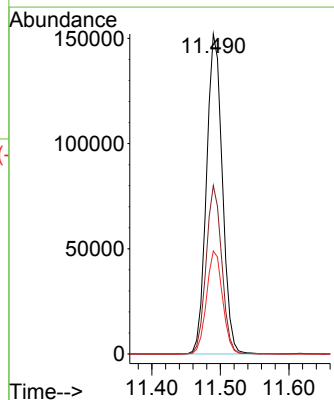
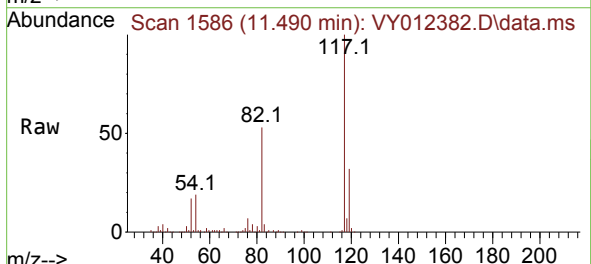
Instrument :
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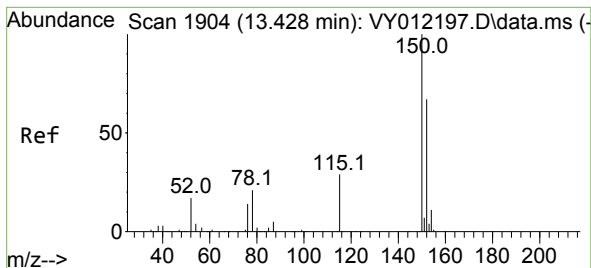
Tgt Ion: 95 Resp: 97776
Ion Ratio Lower Upper
95 100
174 96.4 0.0 172.0
176 93.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012382.D
Acq: 27 Jan 2023 14:42

Tgt Ion: 117 Resp: 245336
Ion Ratio Lower Upper
117 100
82 52.6 44.8 67.2
119 32.2 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: VY012382.D

Acq: 27 Jan 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-012723

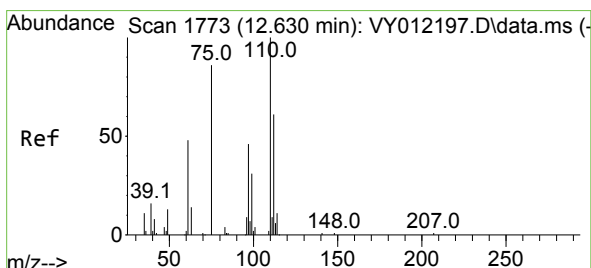
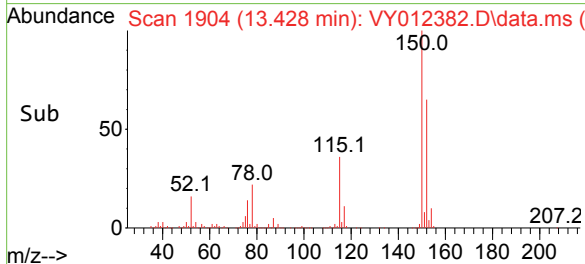
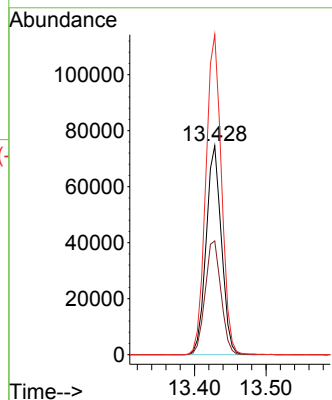
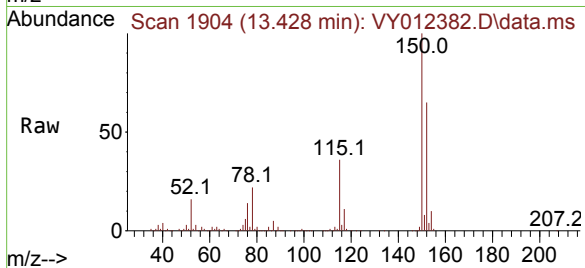
Tgt Ion:152 Resp: 111048

Ion Ratio Lower Upper

152 100

115 56.4 29.1 87.3

150 156.7 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 52.378 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012382.D

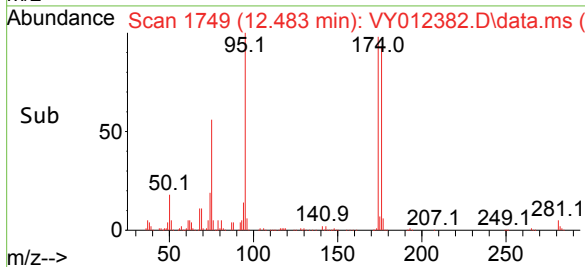
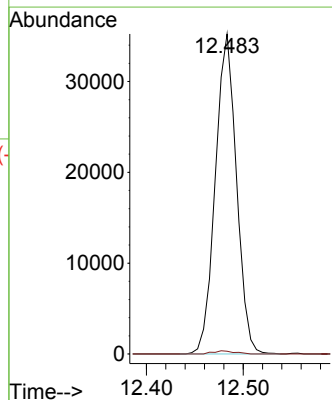
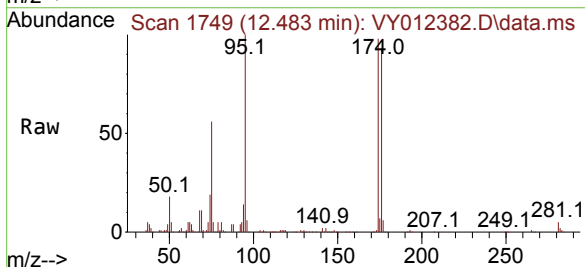
Acq: 27 Jan 2023 14:42

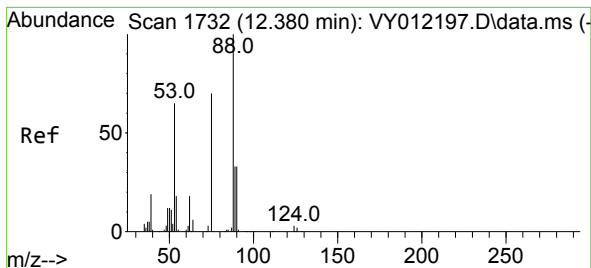
Tgt Ion: 75 Resp: 53485

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.923 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.109 min

Lab File: VY012382.D

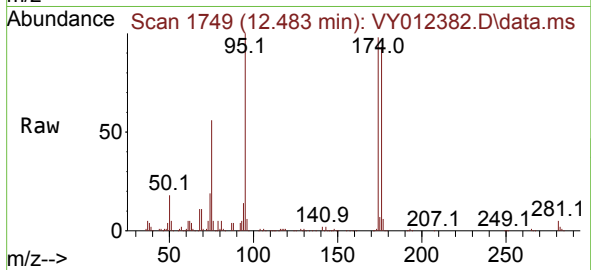
Acq: 27 Jan 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-012723



Tgt Ion: 75 Resp: 53485

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

