

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031523\
 Data File : VY012954.D
 Acq On : 15 Mar 2023 11:52
 Operator : KP/MD
 Sample : 01919-01
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-03142023

Quant Time: Mar 16 00:18:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

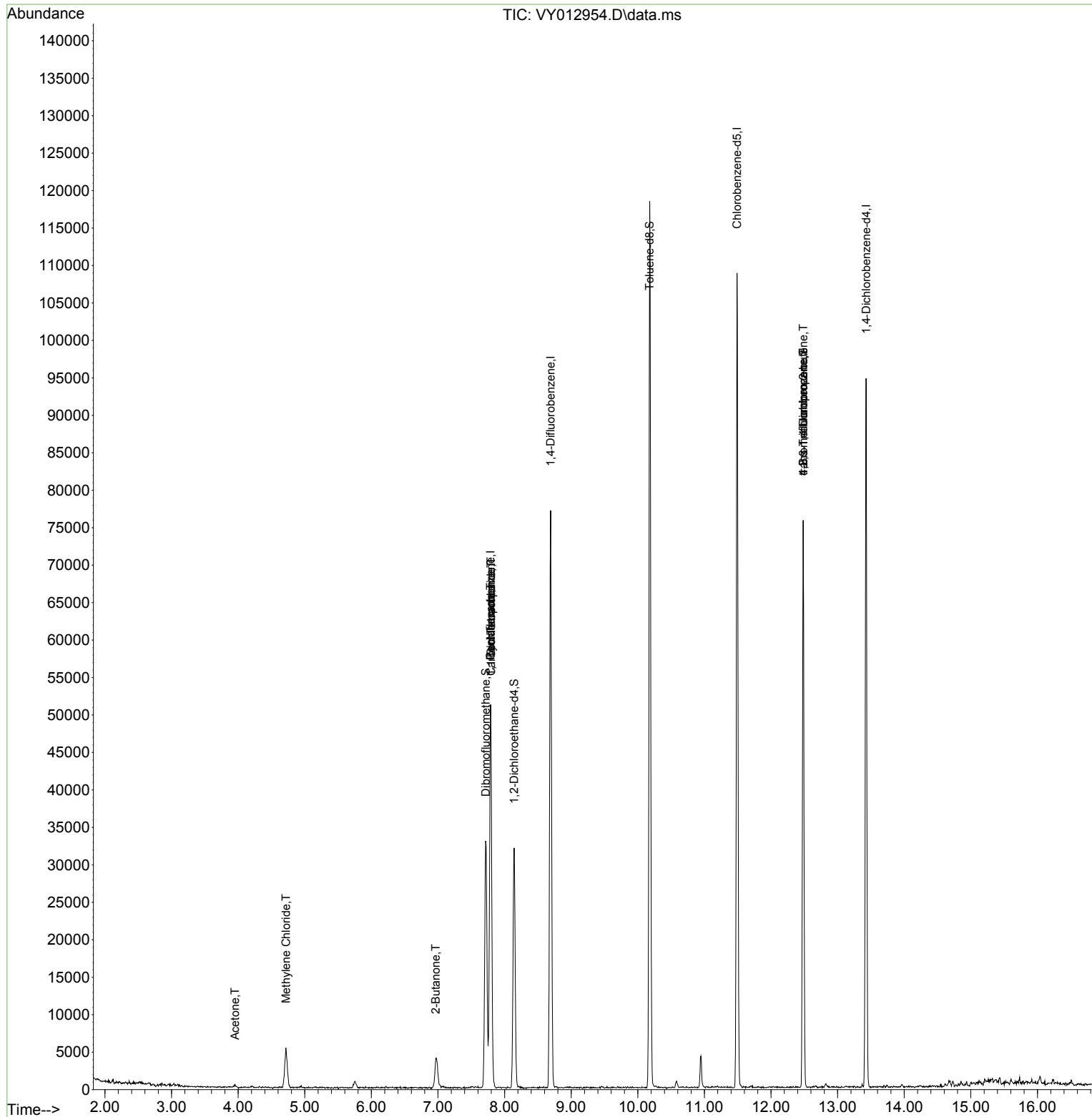
Internal Standards						
1) Pentafluorobenzene	7.789	168	40685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	64052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	58066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	24775	61.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.660%
35) Dibromofluoromethane	7.716	113	23052	59.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.260%
50) Toluene-d8	10.179	98	78371	55.458	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.920%
62) 4-Bromofluorobenzene	12.483	95	21517	45.111	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.220%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.942	59	136	Below Cal	#	74
16) Acetone	3.954	43	574	3.620	ug/l #	80
20) Methylene Chloride	4.716	84	3492	2.067	ug/l	84
25) 2-Butanone	6.966	43	208	1.059	ug/l #	49
31) Cyclohexane	7.789	56	977	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	3252	5.020	ug/l #	48
38) Carbon Tetrachloride	7.795	117	3830	5.726	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	11027	37.633	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11027	77.978	ug/l #	13

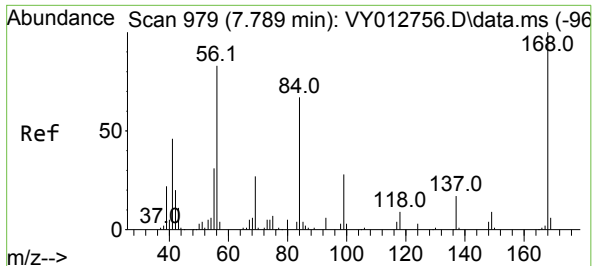
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-02-03142023

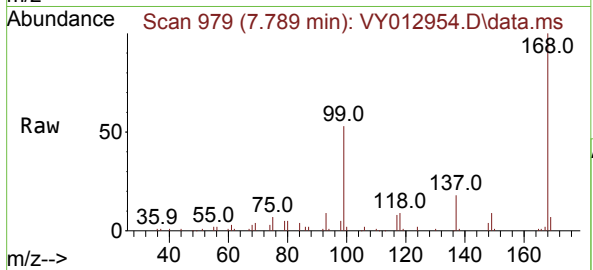
Quant Time: Mar 16 00:18:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
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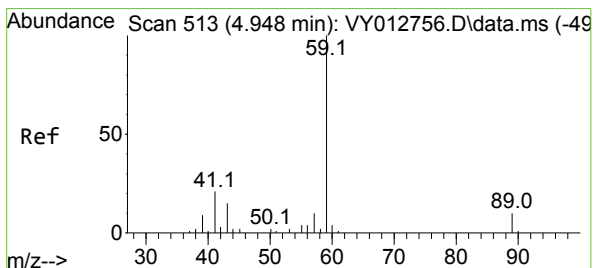
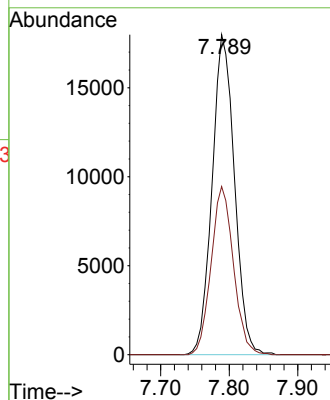
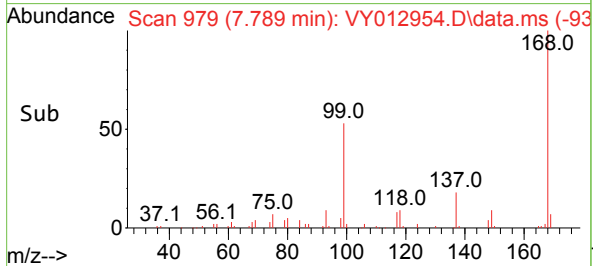


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Instrument :
MSVOA_Y
ClientSampleId :
SU-02-03142023

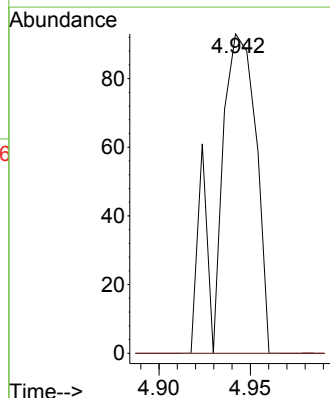
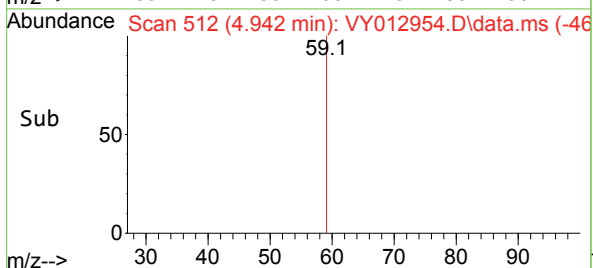
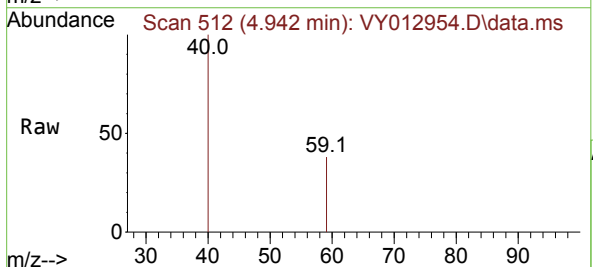


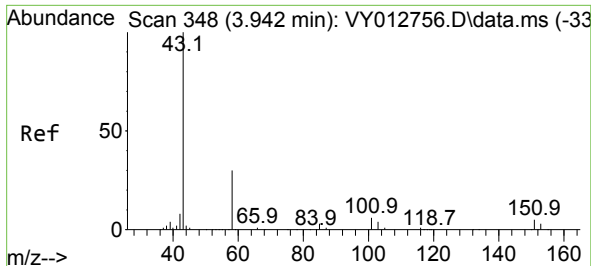
Tgt Ion:168 Resp: 40685
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

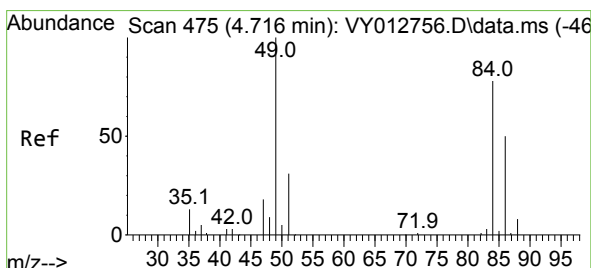
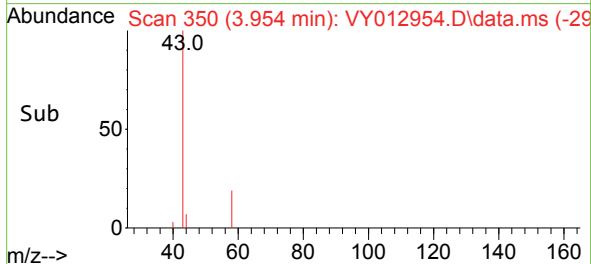
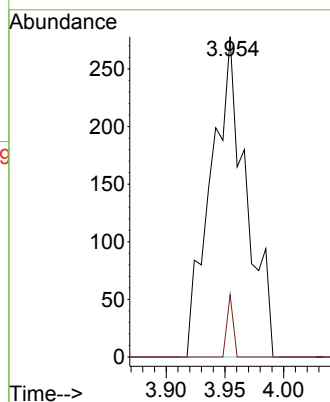
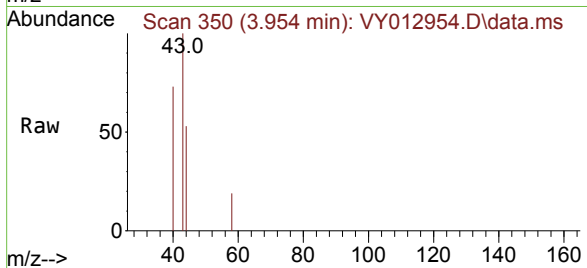




#16
Acetone
Concen: 3.620 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

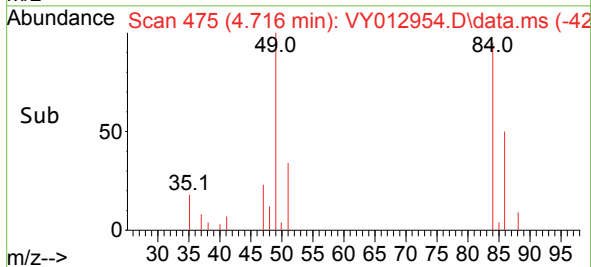
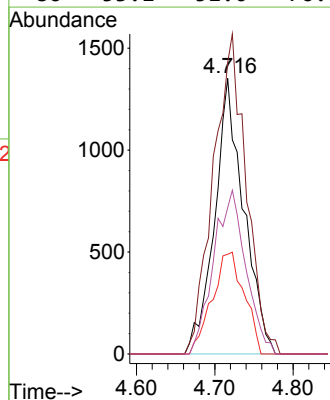
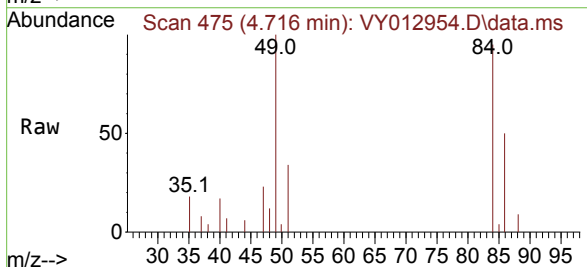
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-03142023

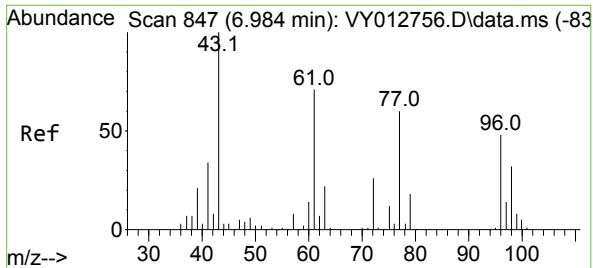
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 19.4 24.2 36.2#



#20
Methylene Chloride
Concen: 2.067 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Tgt Ion: 84 Resp: 3492
Ion Ratio Lower Upper
84 100
49 105.8 102.6 154.0
51 36.2 31.9 47.9
86 53.1 51.0 76.6





#25

2-Butanone

Concen: 1.059 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY012954.D

Acq: 15 Mar 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

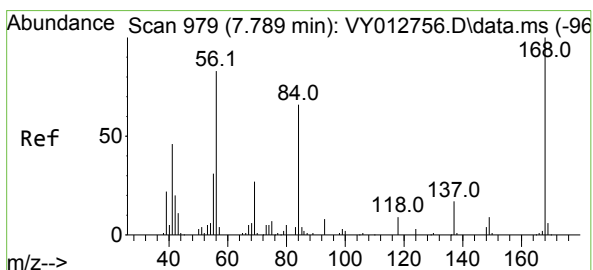
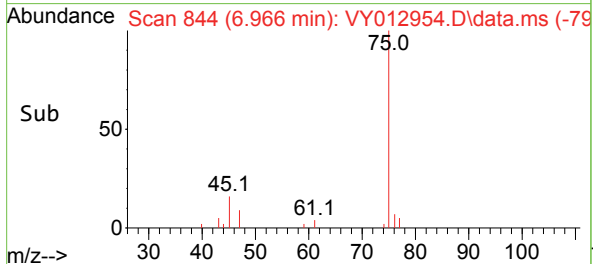
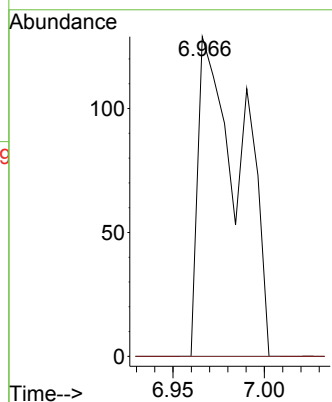
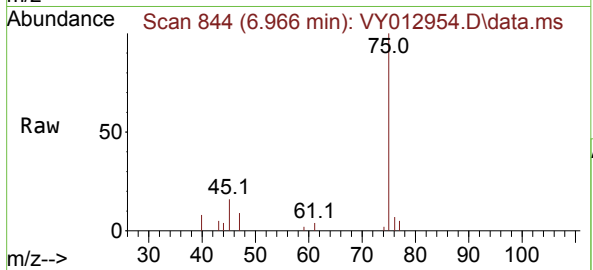
SU-02-03142023

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY012954.D

Acq: 15 Mar 2023 11:52

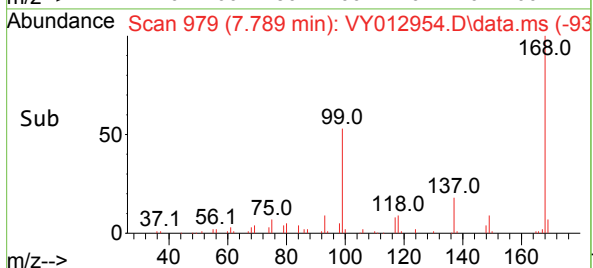
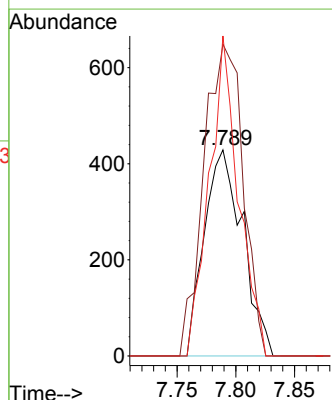
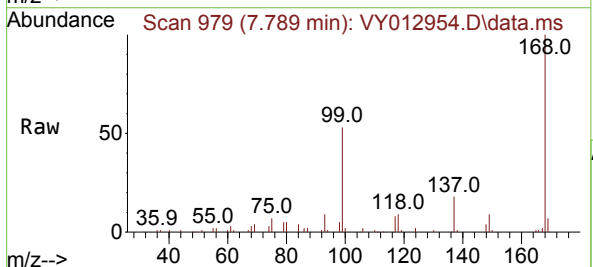
Tgt Ion: 56 Resp: 977

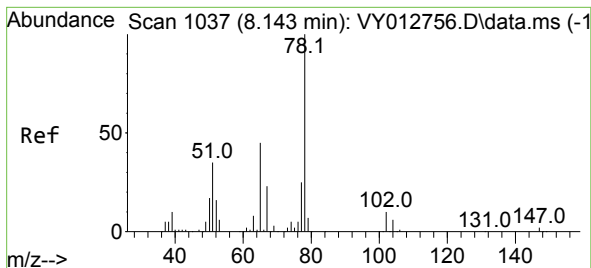
Ion Ratio Lower Upper

56 100

69 151.3 25.7 38.5#

84 155.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 61.332 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012954.D

Acq: 15 Mar 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

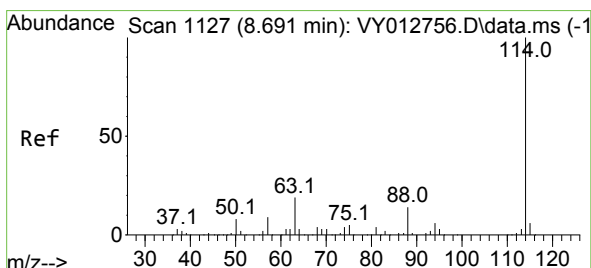
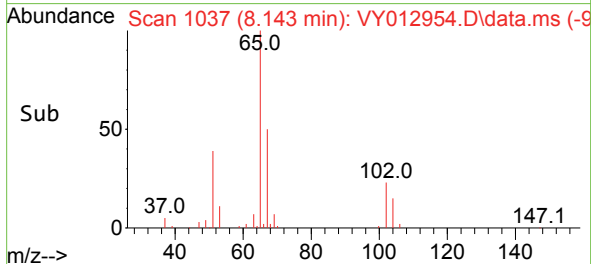
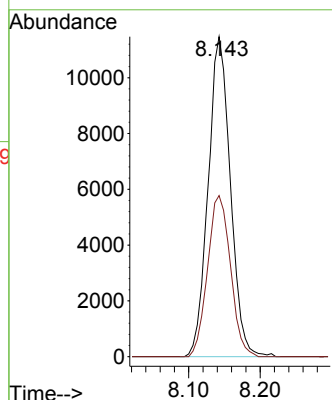
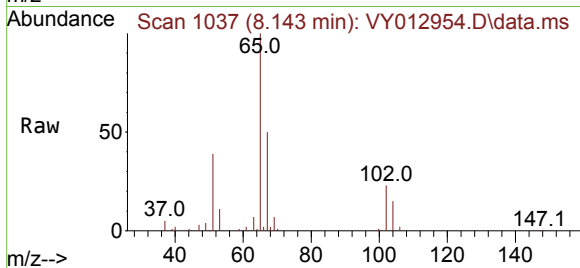
SU-02-03142023

Tgt Ion: 65 Resp: 24775

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012954.D

Acq: 15 Mar 2023 11:52

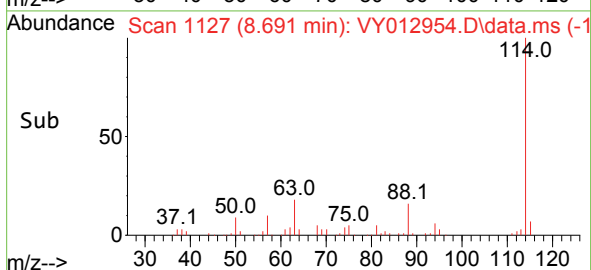
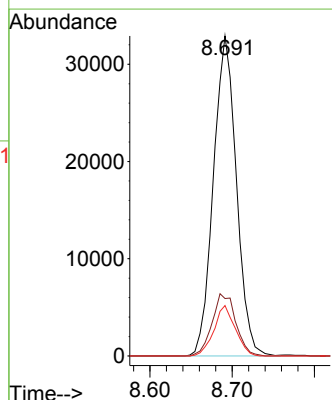
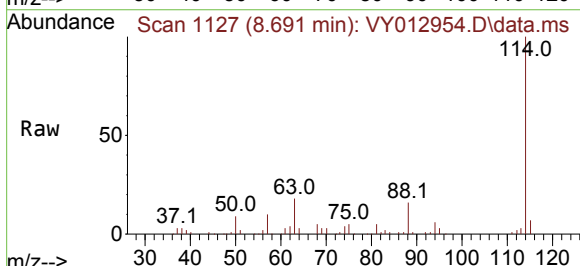
Tgt Ion: 114 Resp: 64052

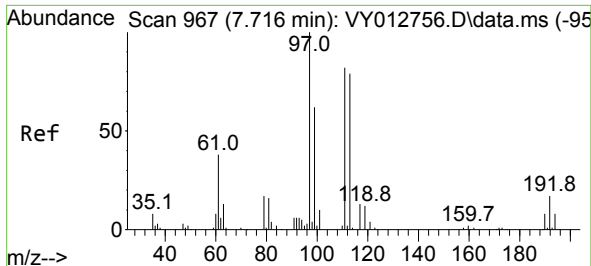
Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.4

88 15.8 0.0 28.6

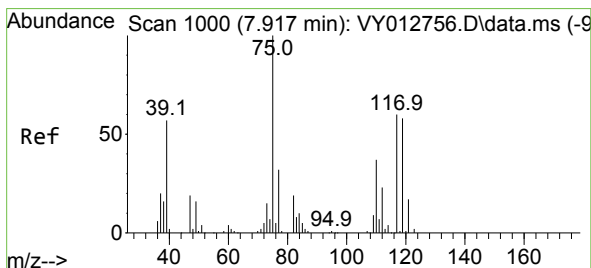
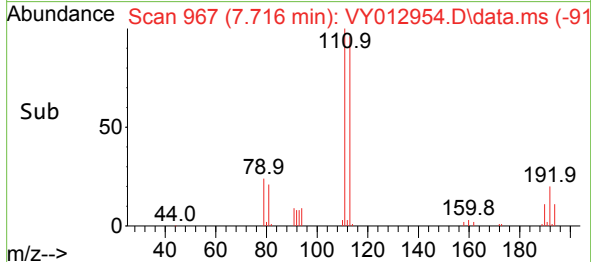
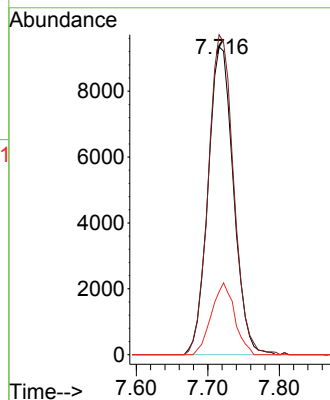
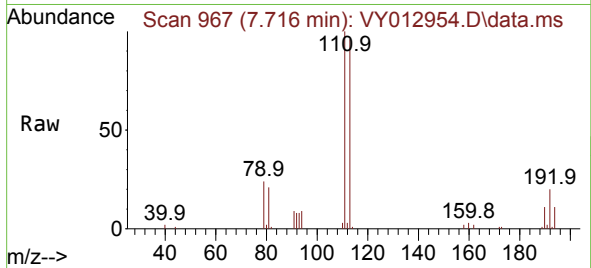




#35
Dibromofluoromethane
Concen: 59.635 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

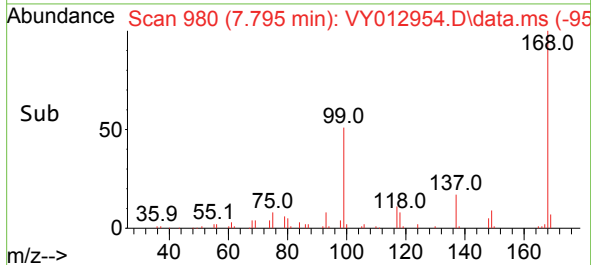
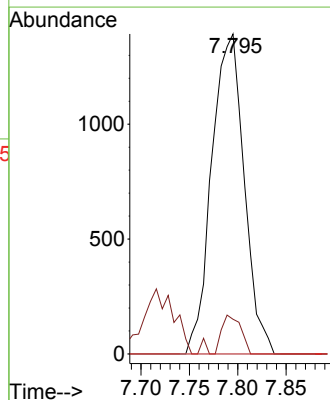
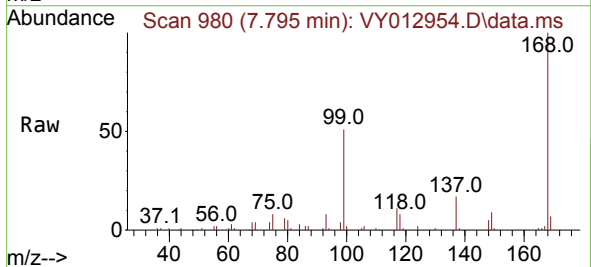
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-03142023

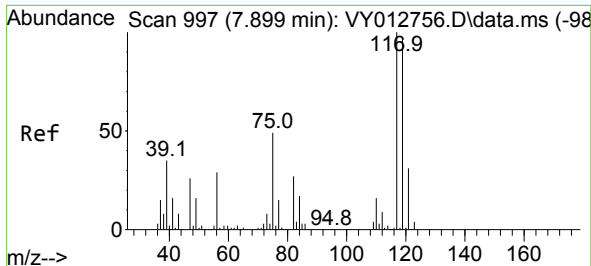
Tgt Ion:113 Resp: 23052
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 21.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

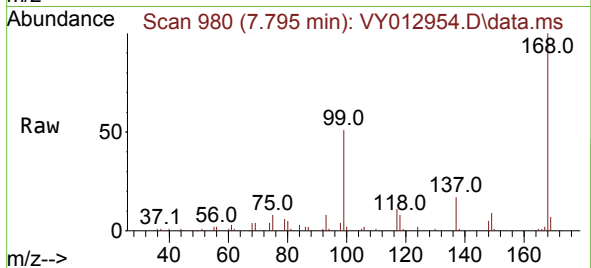
Tgt Ion: 75 Resp: 3252
Ion Ratio Lower Upper
75 100
110 7.1 17.8 53.3#
77 0.0 25.0 37.4#



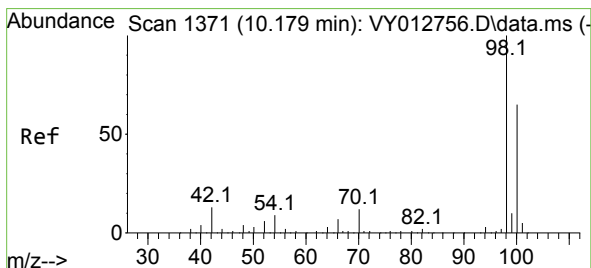
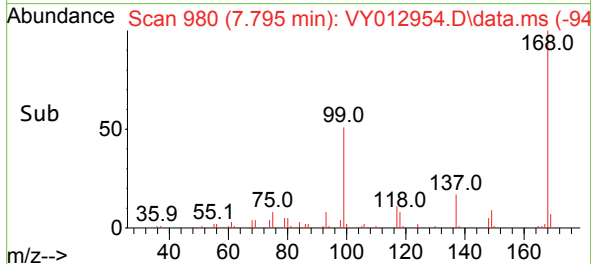
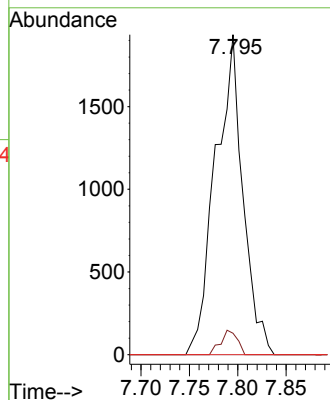


#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Instrument :
MSVOA_Y
ClientSampleId :
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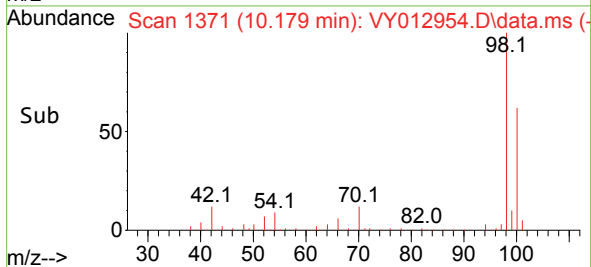
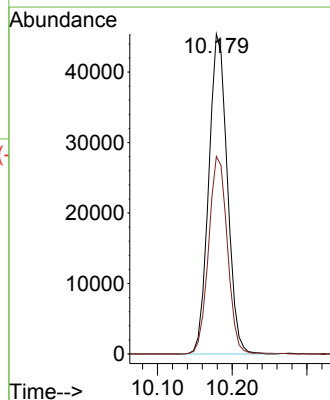
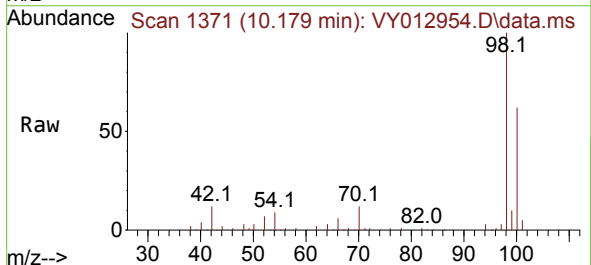


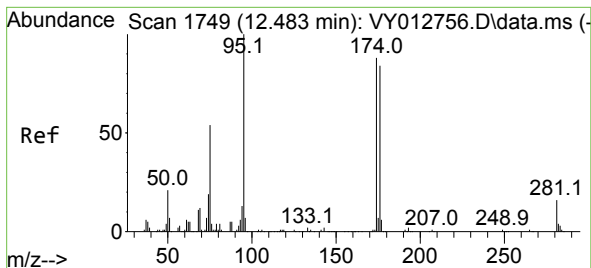
Tgt Ion:117 Resp: 3830
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.458 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Tgt Ion: 98 Resp: 78371
Ion Ratio Lower Upper
98 100
100 62.3 50.9 76.3

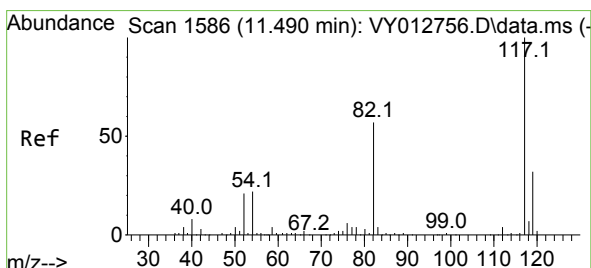
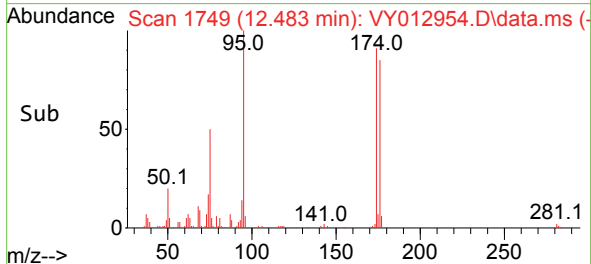
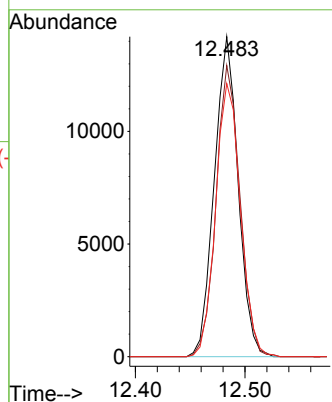
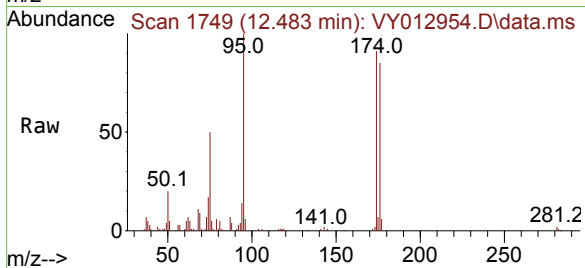




#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

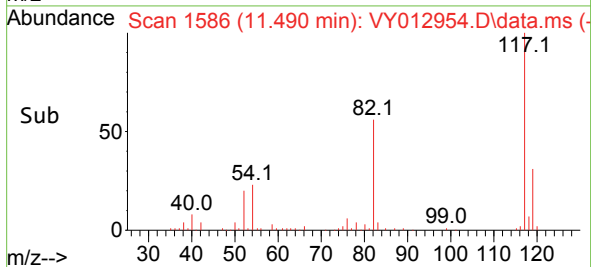
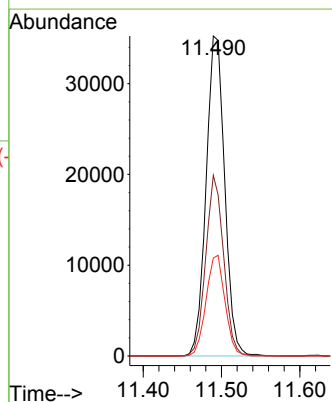
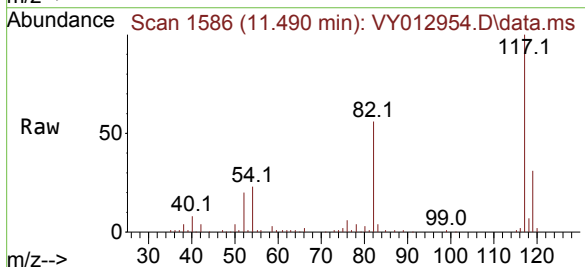
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-03142023

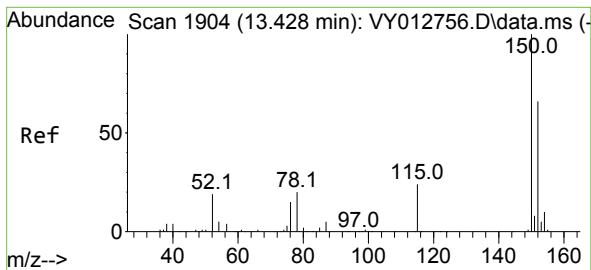
Tgt Ion: 95 Resp: 21517
Ion Ratio Lower Upper
95 100
174 91.1 0.0 176.6
176 88.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012954.D
Acq: 15 Mar 2023 11:52

Tgt Ion: 117 Resp: 58066
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 30.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012954.D

Acq: 15 Mar 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-03142023

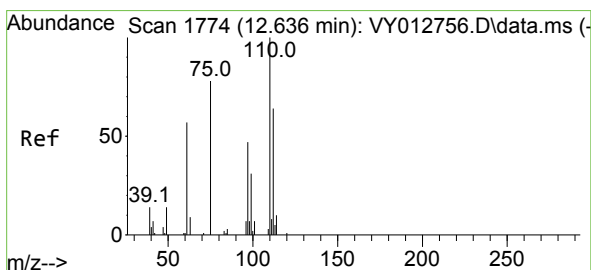
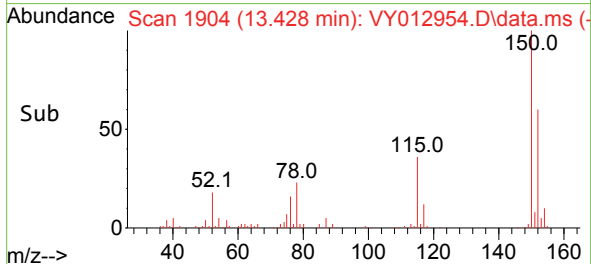
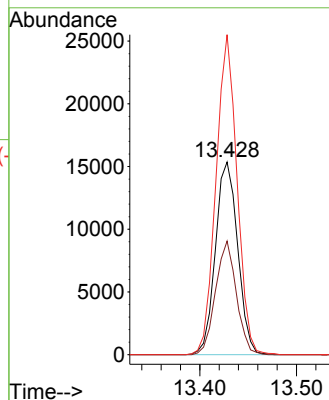
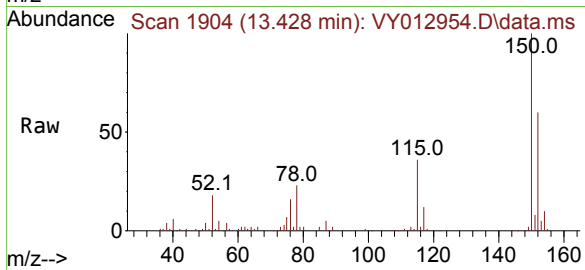
Tgt Ion:152 Resp: 24537

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.3

150 156.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 37.633 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012954.D

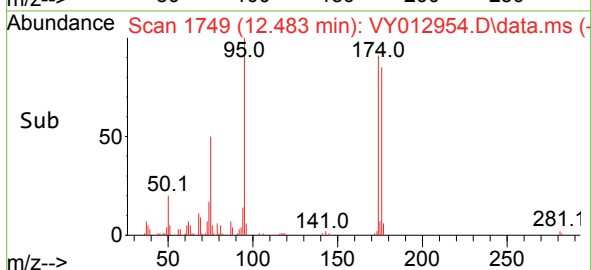
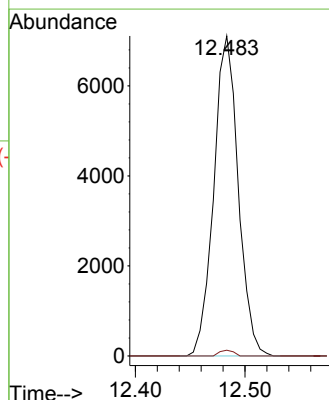
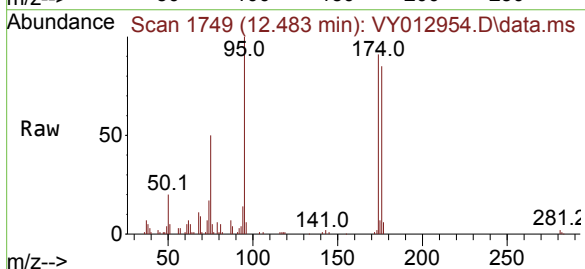
Acq: 15 Mar 2023 11:52

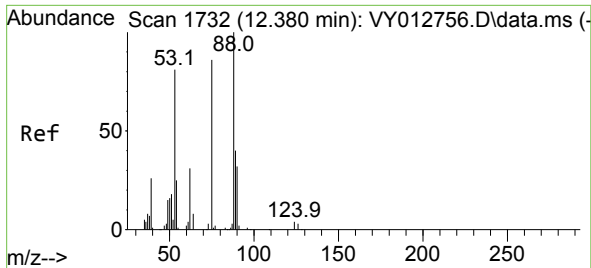
Tgt Ion: 75 Resp: 11027

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.978 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012954.D
 Acq: 15 Mar 2023 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-03142023

Tgt Ion: 75 Resp: 11027
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

