

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015954.D
 Acq On : 13 Oct 2023 13:44
 Operator : SY/MD
 Sample : 04858-04RE
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:49:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	139313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111003	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92002	57.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.720%	
35) Dibromofluoromethane	7.716	113	81488	53.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.920%	
50) Toluene-d8	10.179	98	285815	50.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.483	95	100497	49.904	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.800%	

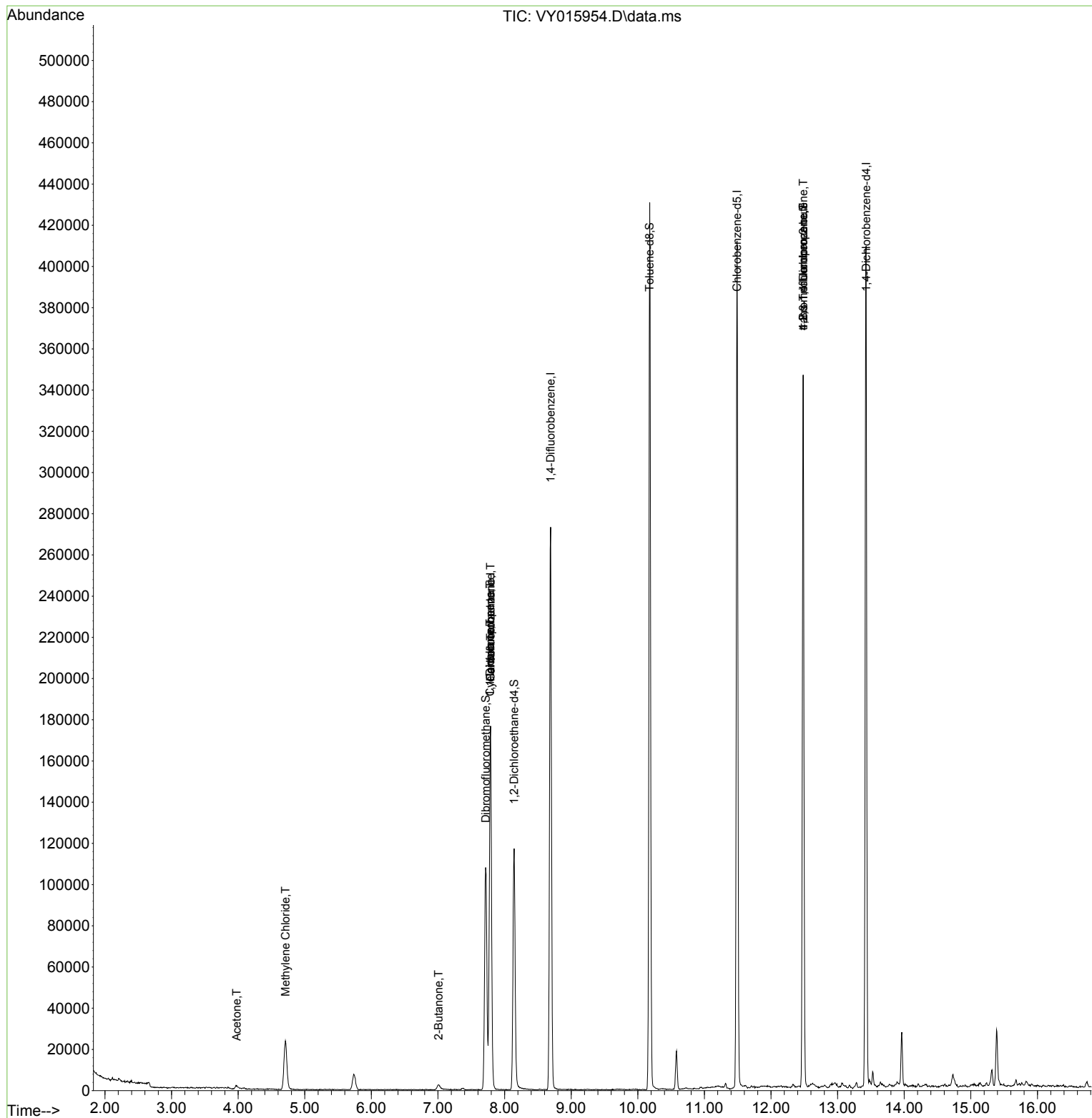
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	864	Below Cal	97	
16) Acetone	3.979	43	3567	3.862 ug/l #	82	
20) Methylene Chloride	4.710	84	18455	6.884 ug/l #	87	
25) 2-Butanone	7.009	43	1514	1.126 ug/l	95	
31) Cyclohexane	7.783	56	2564	1.013 ug/l #	1	
36) 1,1-Dichloropropene	7.783	75	10364	4.548 ug/l #	50	
38) Carbon Tetrachloride	7.789	117	13835	5.765 ug/l #	16	
76) 1,2,3-Trichloropropane	12.483	75	52051	23.961 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.483	75	52051	56.444 ug/l #	11	

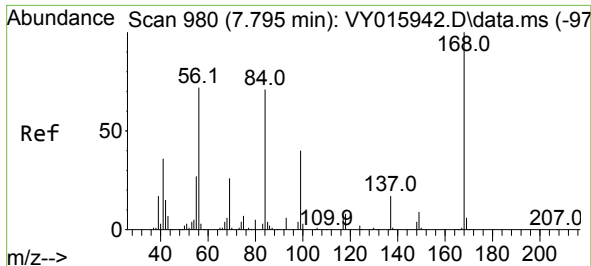
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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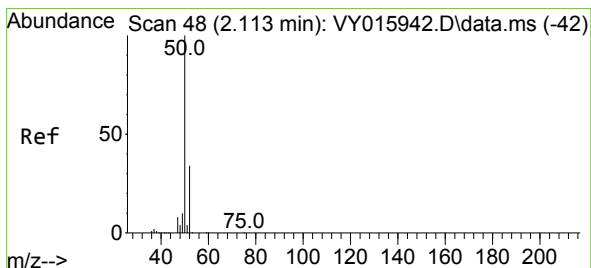
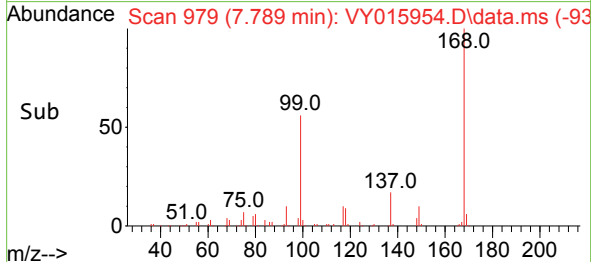
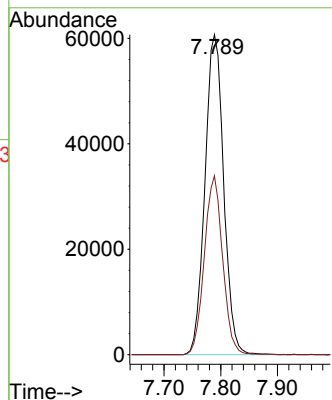
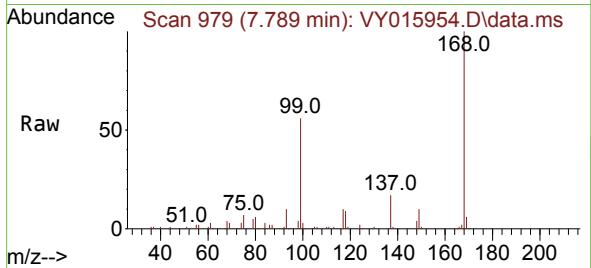




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

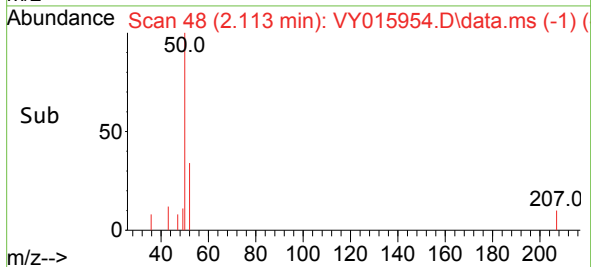
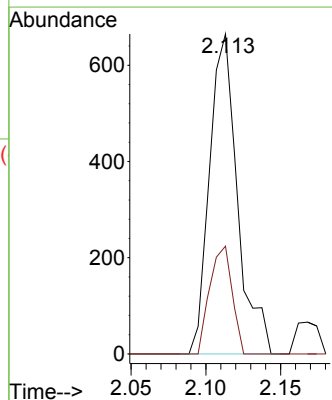
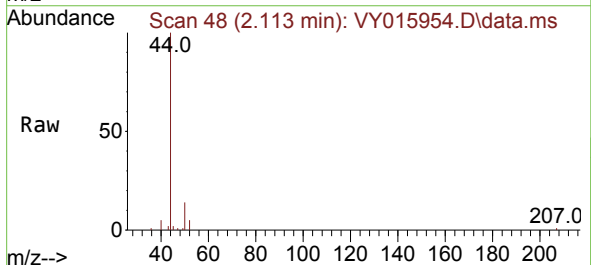
Instrument :
MSVOA_Y
ClientSampleId :

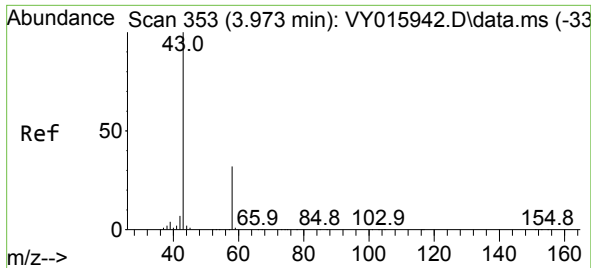
Tgt Ion:168 Resp: 139313
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 50 Resp: 864
Ion Ratio Lower Upper
50 100
52 33.7 25.4 38.2





#16

Acetone

Concen: 3.862 ug/l

RT: 3.979 min Scan# 353

Delta R.T. 0.006 min

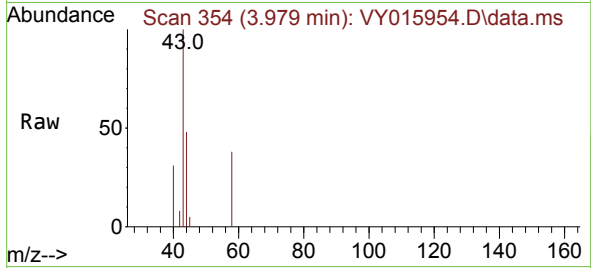
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Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

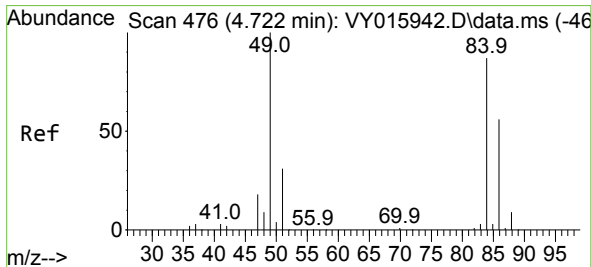
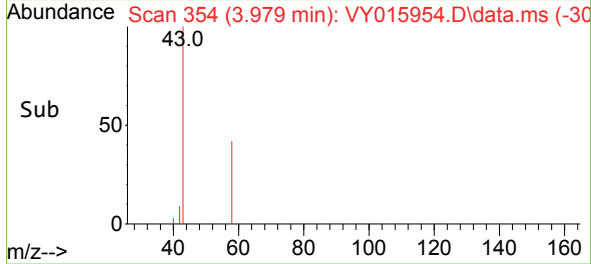
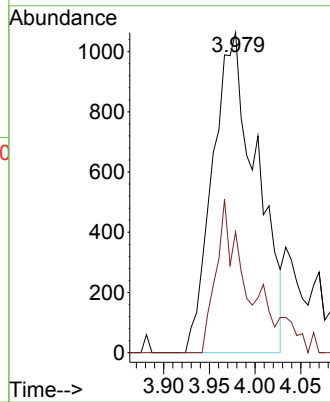


Tgt Ion: 43 Resp: 3567

Ion Ratio Lower Upper

43 100

58 37.7 22.7 34.1#



#20

Methylene Chloride

Concen: 6.884 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.012 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

Tgt Ion: 84 Resp: 18455

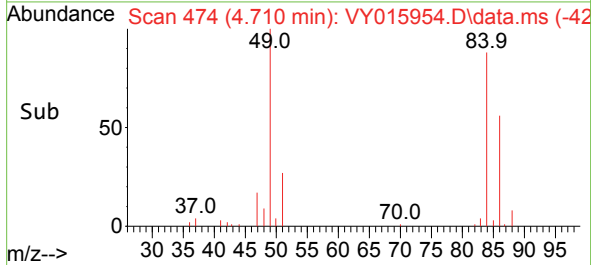
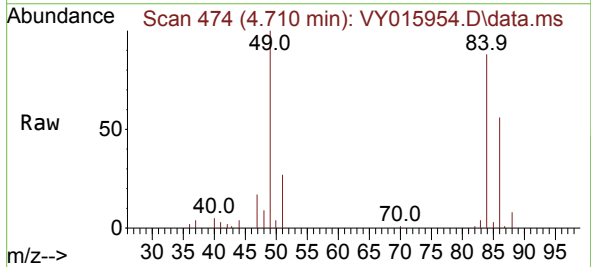
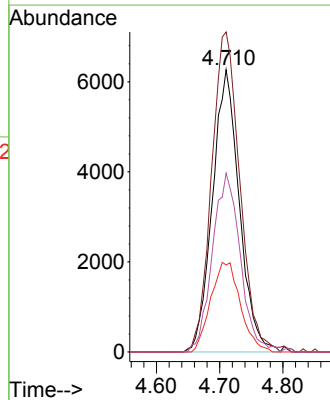
Ion Ratio Lower Upper

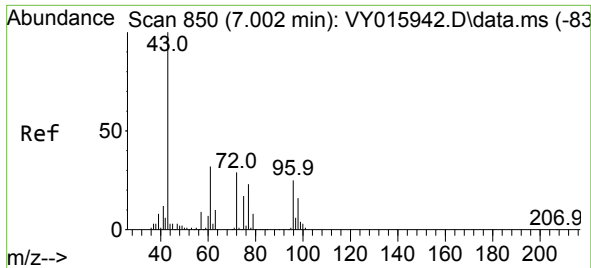
84 100

49 113.4 106.9 160.3

51 30.8 33.2 49.8#

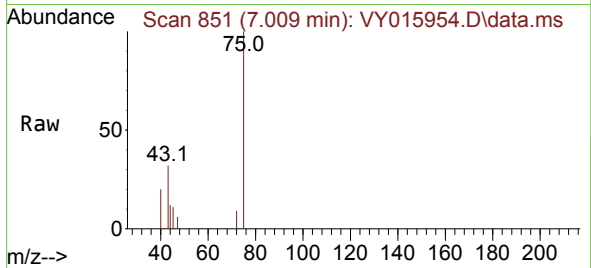
86 63.4 51.0 76.6



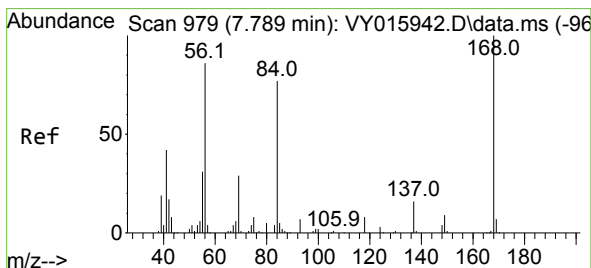
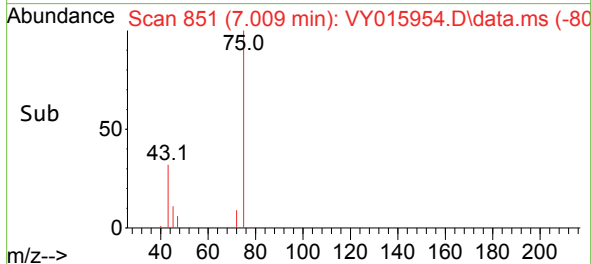
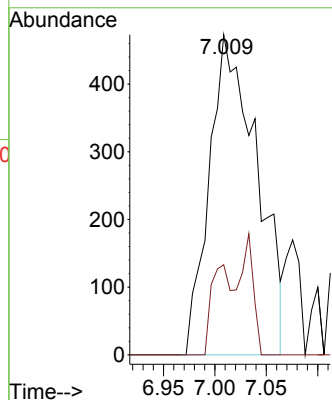


#25
2-Butanone
Concen: 1.126 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Instrument :
MSVOA_Y
ClientSampleId :

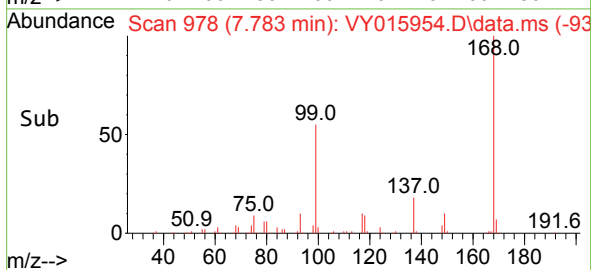
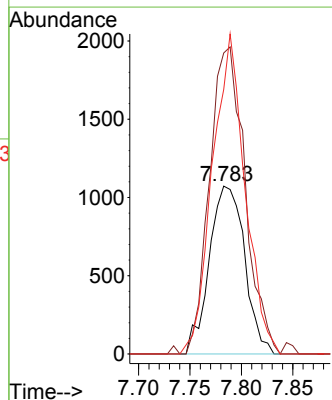
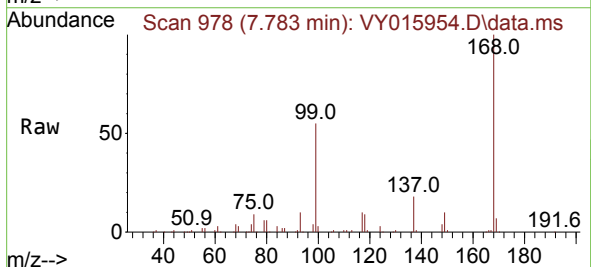


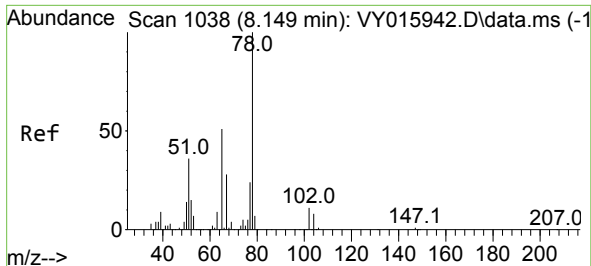
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
72 28.1 20.5 30.7



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 56 Resp: 2564
Ion Ratio Lower Upper
56 100
69 179.2 27.8 41.6#
84 157.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.865 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

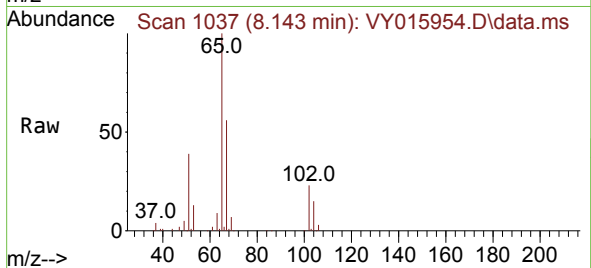
Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

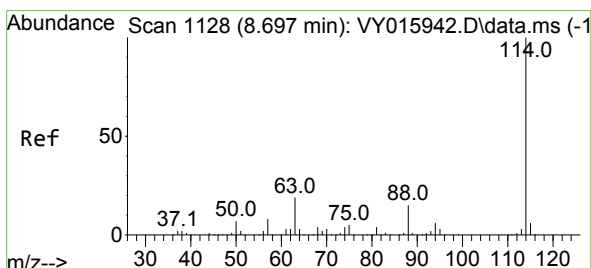
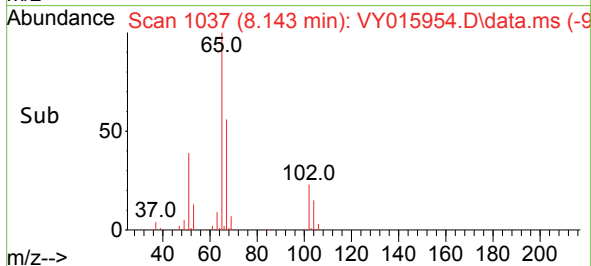
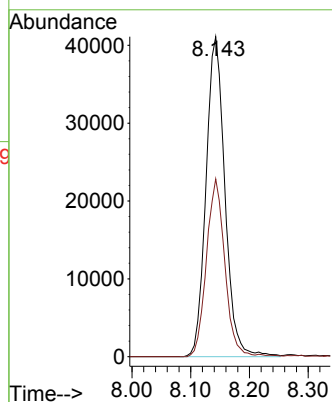


Tgt Ion: 65 Resp: 92002

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

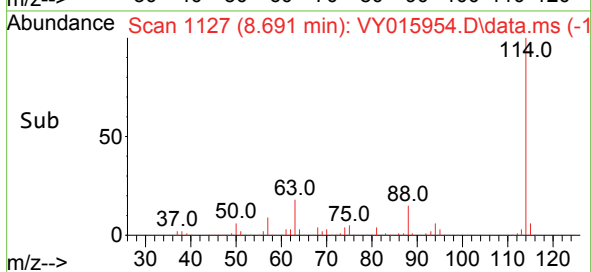
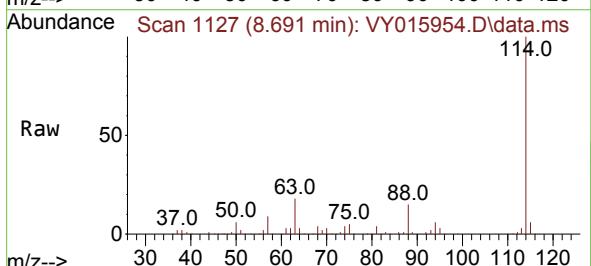
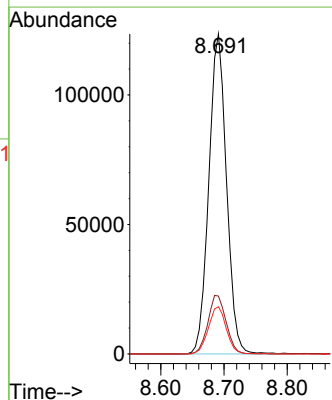
Tgt Ion: 114 Resp: 239877

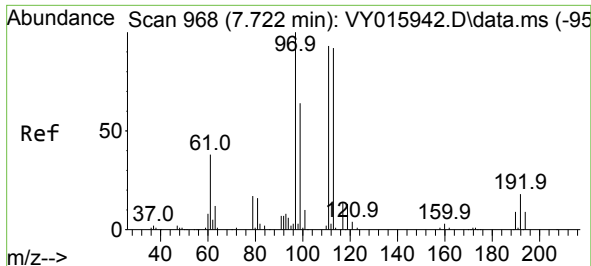
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

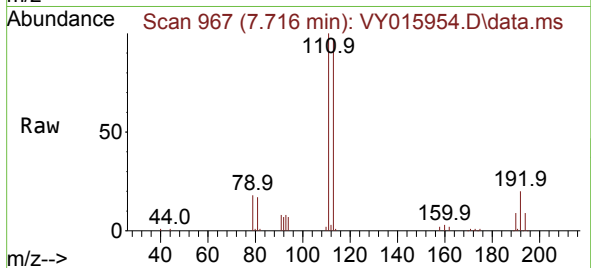
88 14.8 0.0 30.6



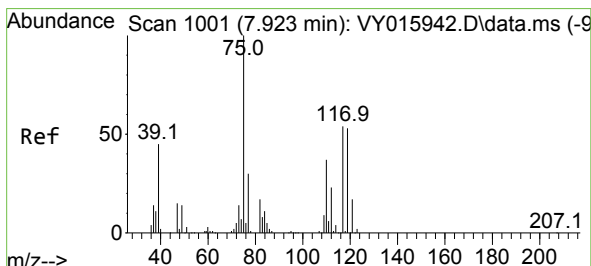
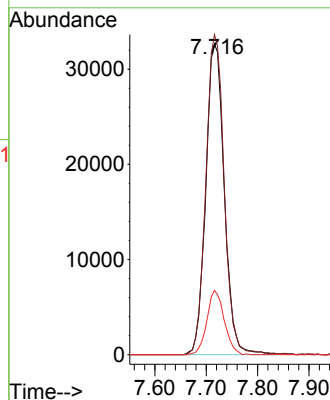
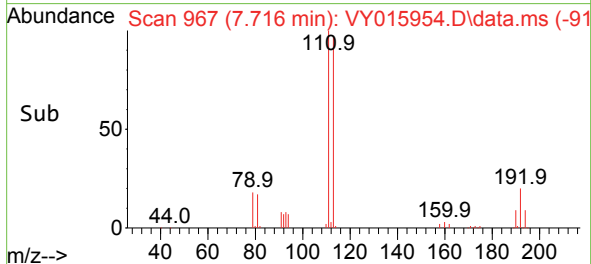


#35
Dibromofluoromethane
Concen: 53.960 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

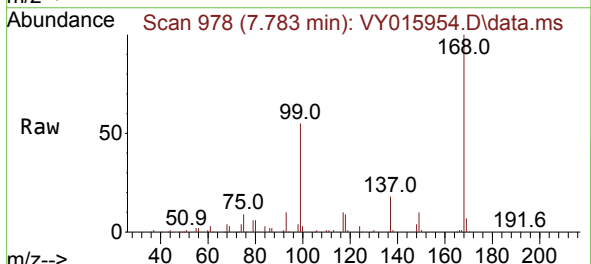
Instrument :
MSVOA_Y
ClientSampleId :



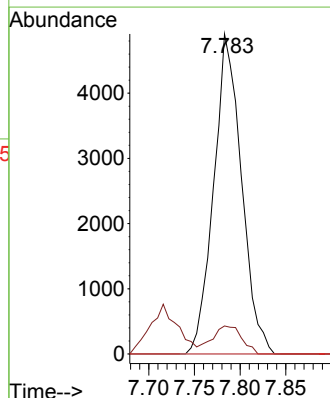
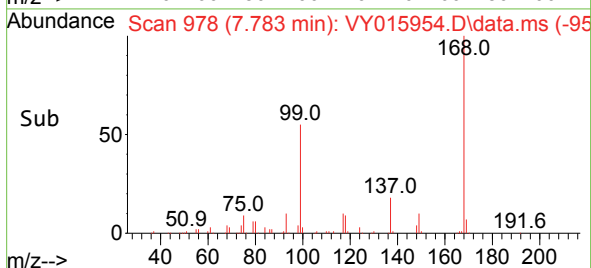
Tgt Ion:113 Resp: 81488
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.5 16.9 25.3

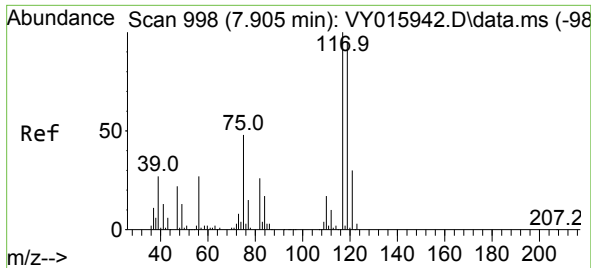


#36
1,1-Dichloropropene
Concen: 4.548 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44



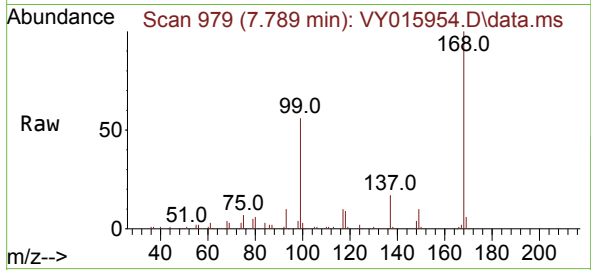
Tgt Ion: 75 Resp: 10364
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



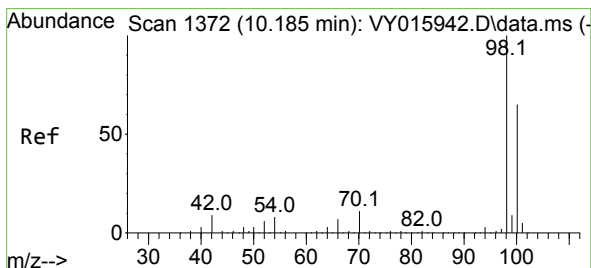
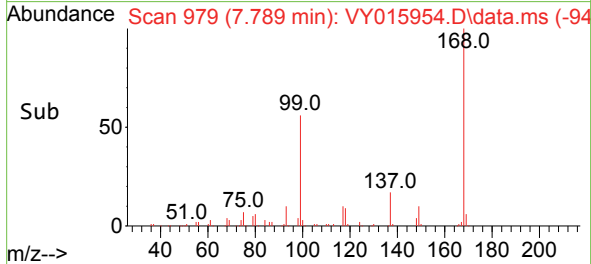
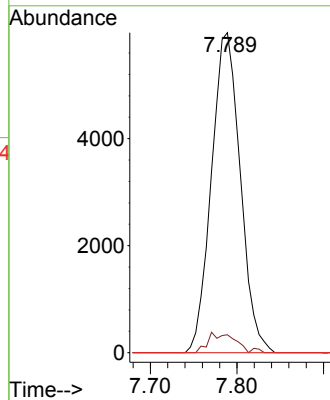


#38
Carbon Tetrachloride
Concen: 5.765 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Instrument :
MSVOA_Y
ClientSampleId :

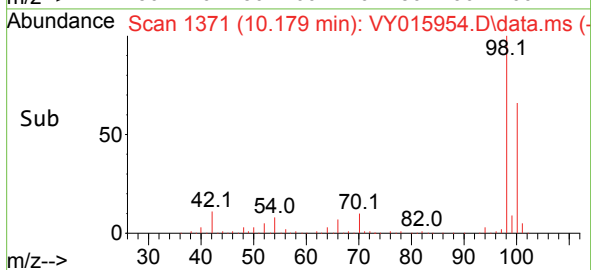
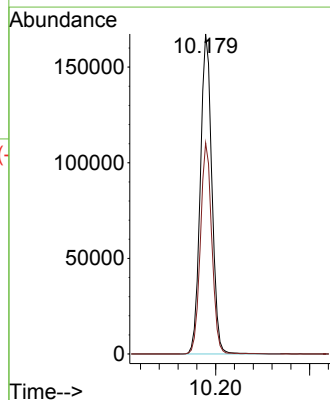
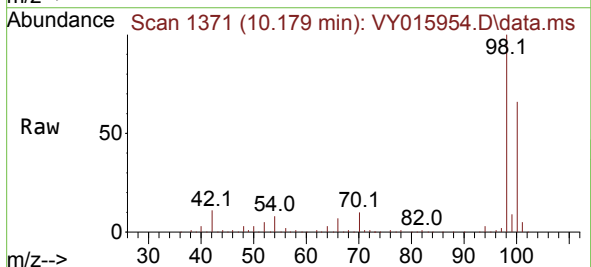


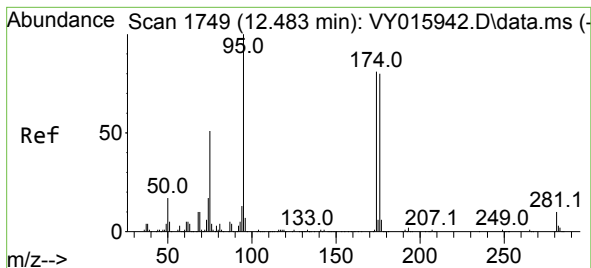
Tgt Ion:117 Resp: 13835
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.538 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 98 Resp: 285815
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

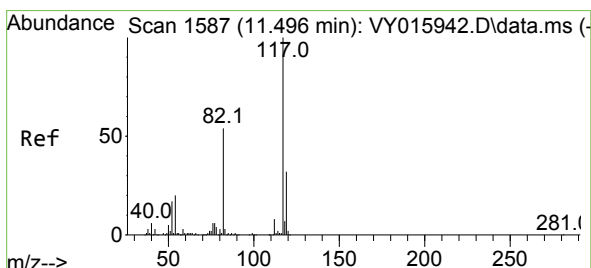
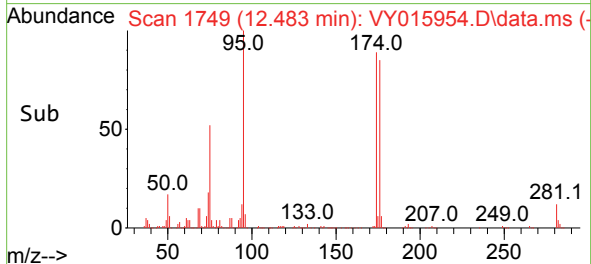
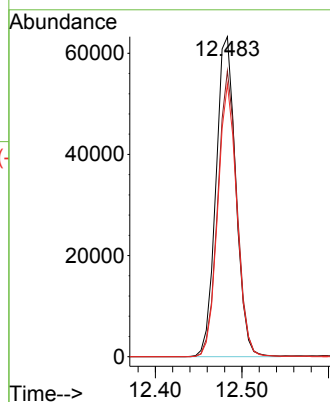
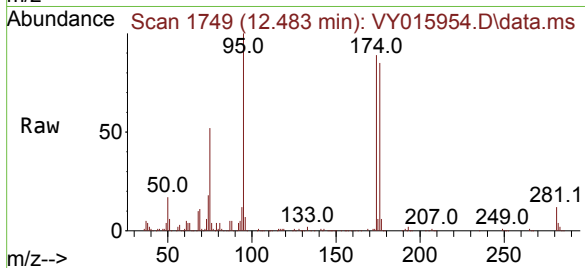




#62
4-Bromofluorobenzene
Concen: 49.904 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

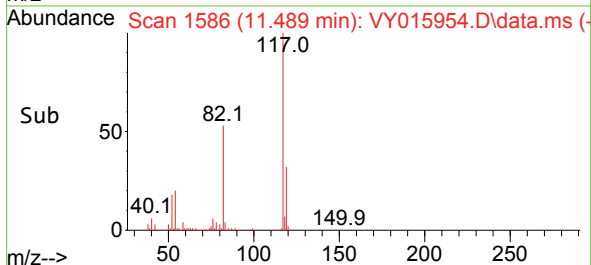
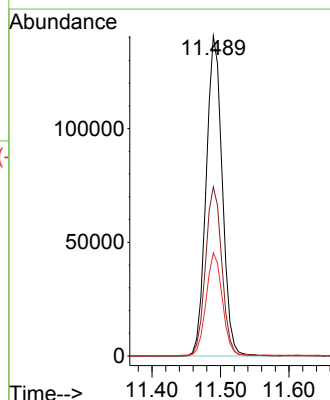
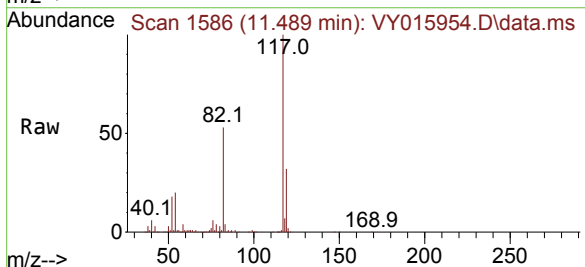
Instrument :
MSVOA_Y
ClientSampleId :

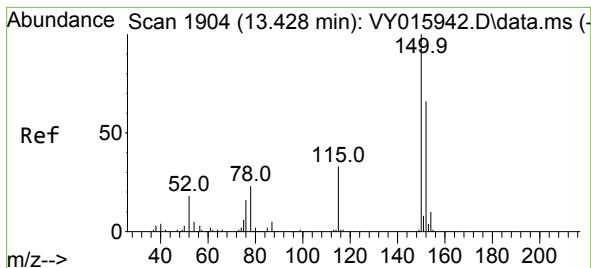
Tgt Ion: 95 Resp: 100497
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 117 Resp: 230263
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

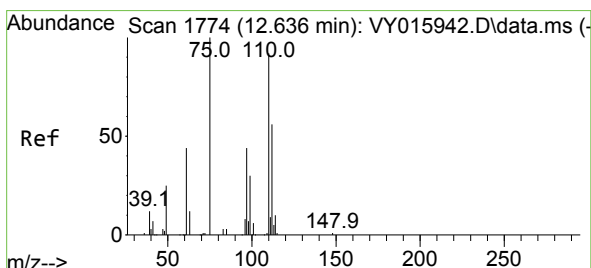
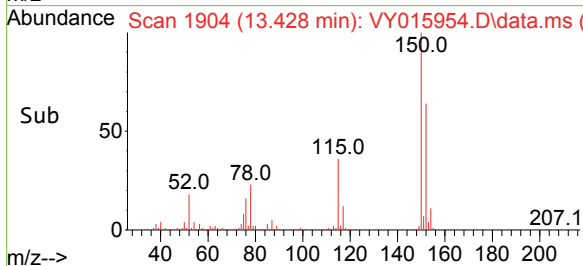
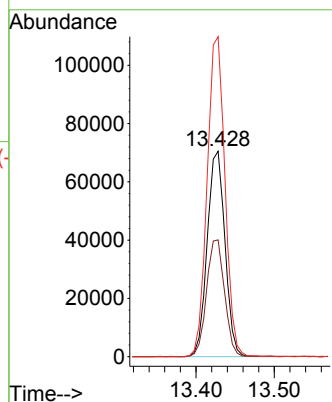
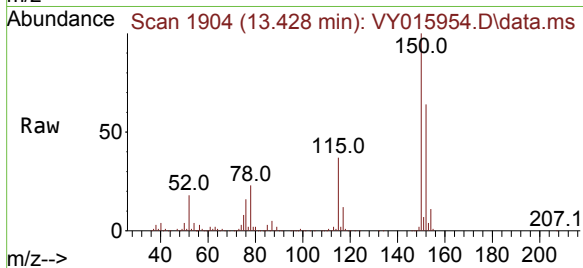
Tgt Ion:152 Resp: 111003

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 23.961 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015954.D

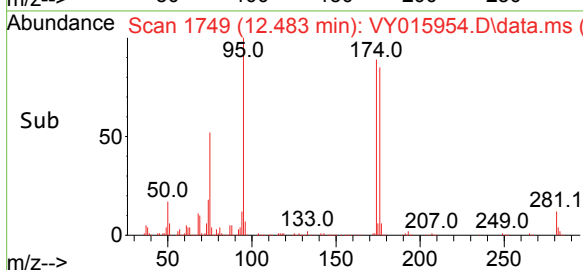
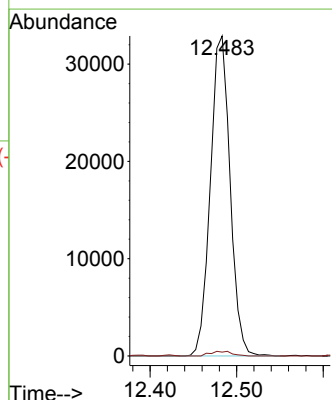
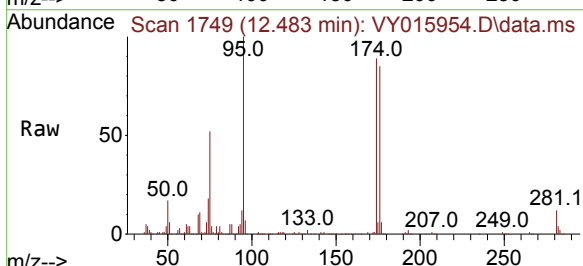
Acq: 13 Oct 2023 13:44

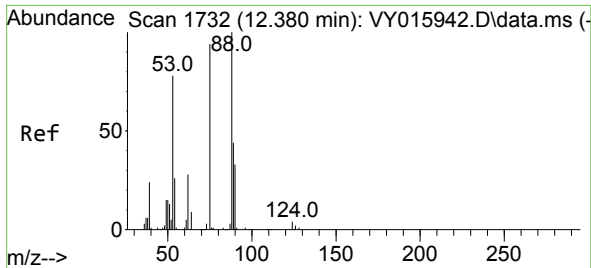
Tgt Ion: 75 Resp: 52051

Ion Ratio Lower Upper

75 100

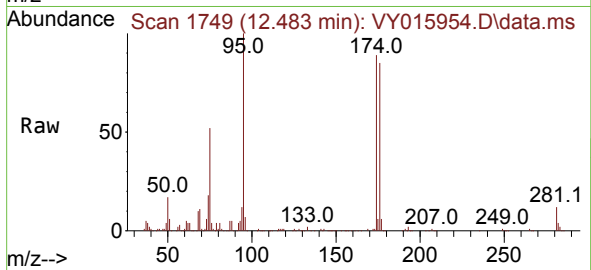
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.444 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015954.D
 Acq: 13 Oct 2023 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 52051
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

