

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015541.D
 Acq On : 14 Sep 2023 18:14
 Operator : SY/MD
 Sample : 04397-01
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 04:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

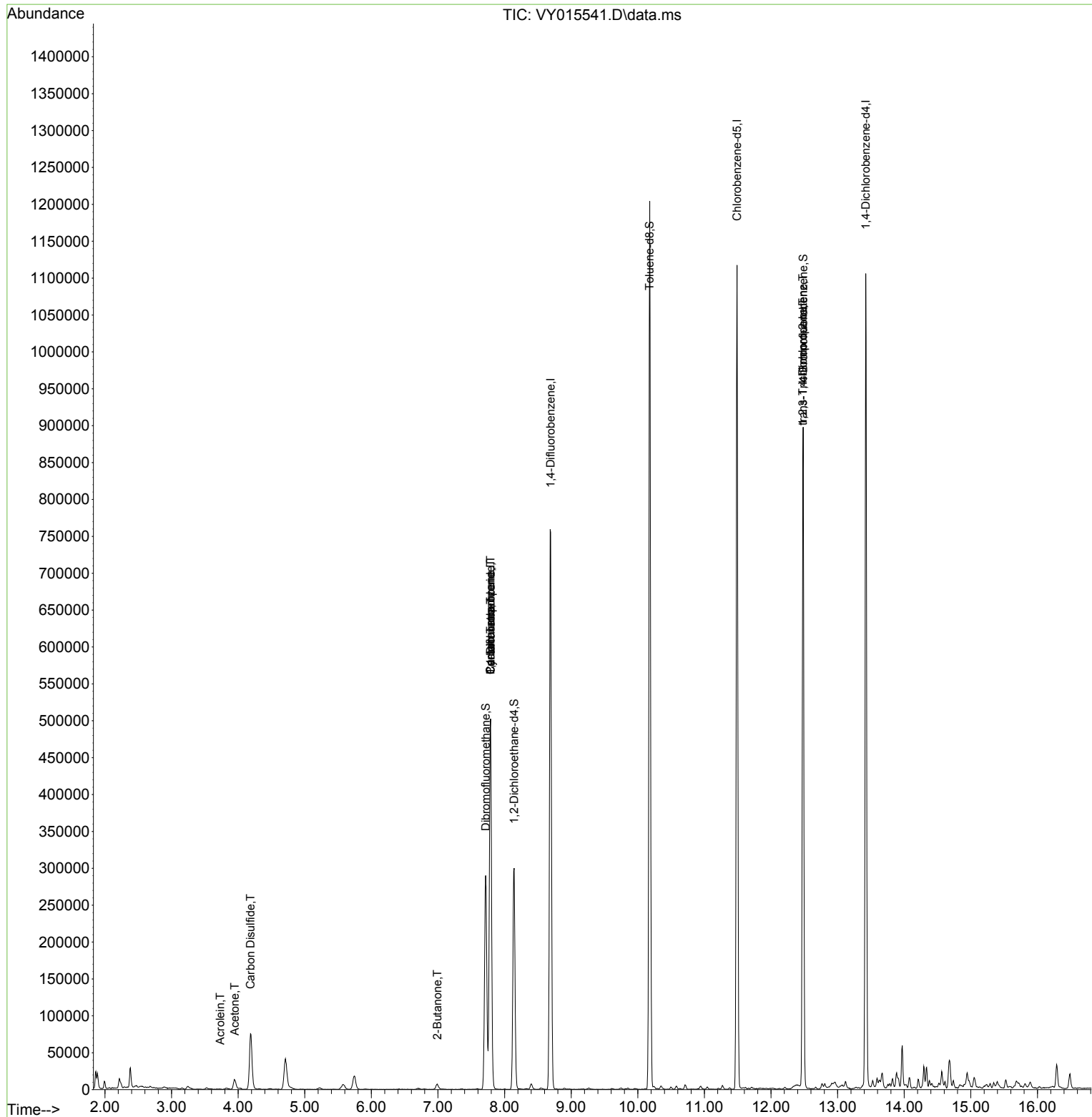
Internal Standards						
1) Pentafluorobenzene	7.789	168	400095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	661681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	591035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	276807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	235643	54.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.880%	
35) Dibromofluoromethane	7.716	113	205496	53.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.840%	
50) Toluene-d8	10.179	98	762908	55.277	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.560%	
62) 4-Bromofluorobenzene	12.483	95	266441	52.002	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.000%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	486	Below Cal	#	89
13) Acrolein	3.729	56	447	12.003	ug/l	97
16) Acetone	3.948	43	23755	13.270	ug/l	91
17) Carbon Disulfide	4.186	76	156020	13.122	ug/l	99
20) Methylene Chloride	4.710	84	31044	Below Cal		88
25) 2-Butanone	6.990	43	8951	3.525	ug/l	100
31) Cyclohexane	7.789	56	8501	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	29824	4.457	ug/l #	50
38) Carbon Tetrachloride	7.789	117	39513	5.717	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	141467	38.539	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	141467	85.013	ug/l #	11

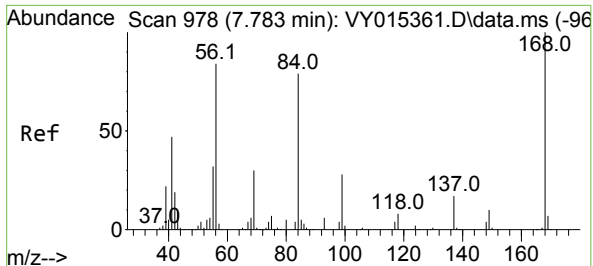
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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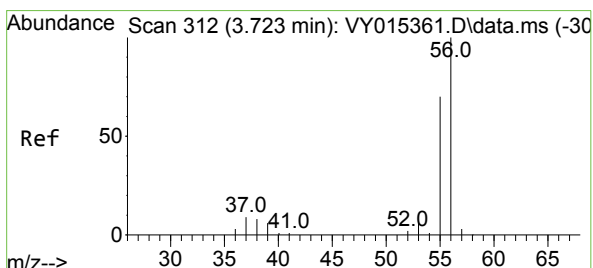
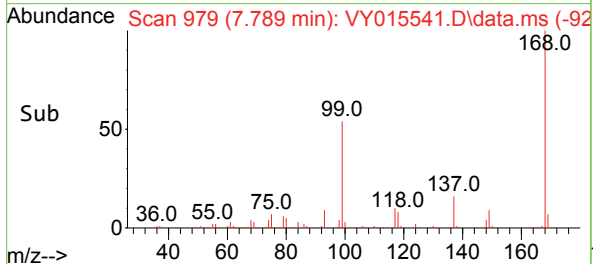
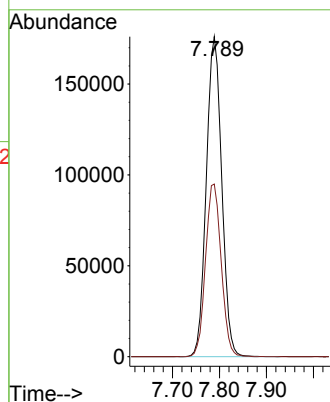
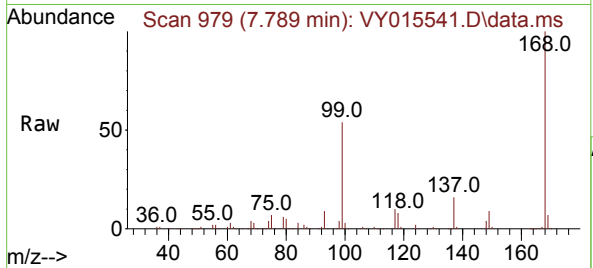




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

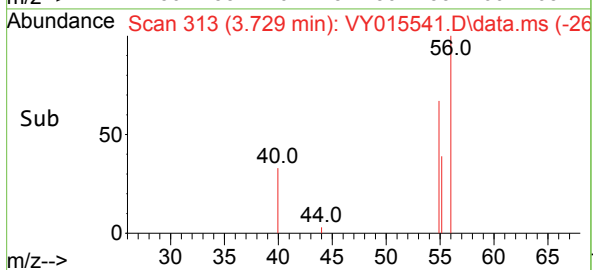
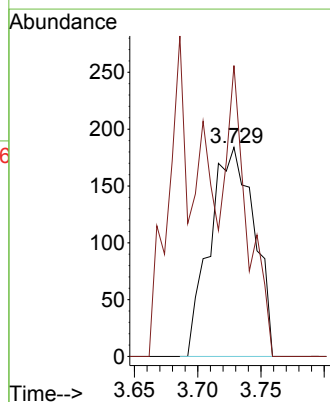
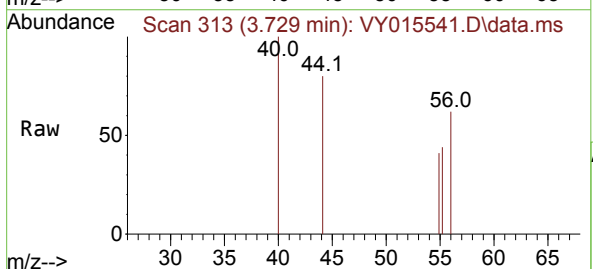
Instrument :
MSVOA_Y
ClientSampleId :

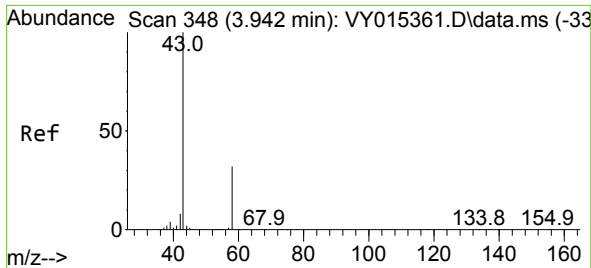
Tgt Ion:168 Resp: 400095
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#13
Acrolein
Concen: 12.003 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 68.5 57.0 85.4





#16

Acetone

Concen: 13.270 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015541.D

Acq: 14 Sep 2023 18:14

Instrument :

MSVOA_Y

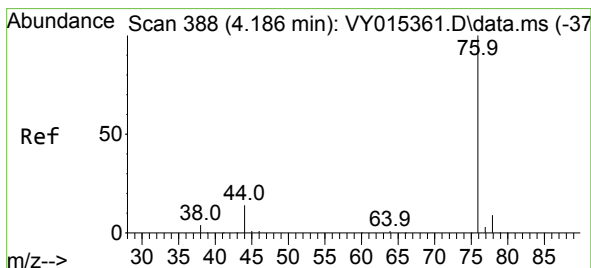
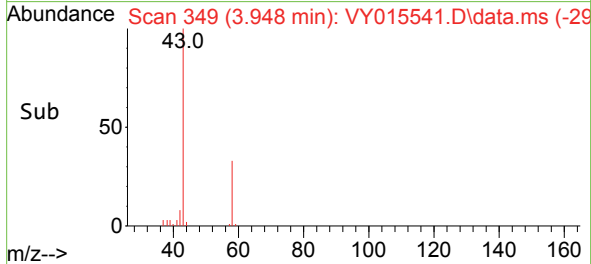
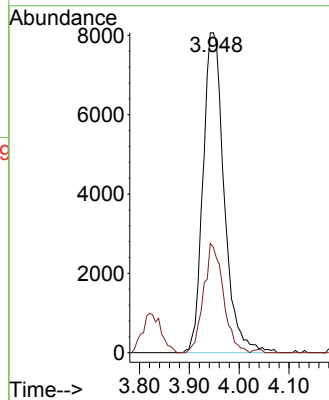
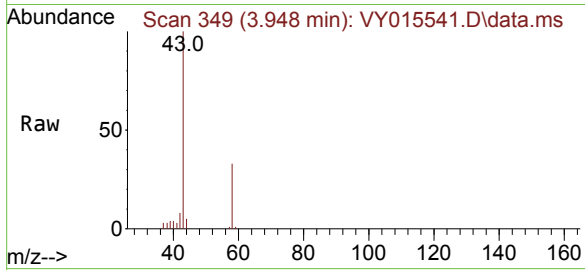
ClientSampleId :

Tgt Ion: 43 Resp: 23755

Ion Ratio Lower Upper

43 100

58 32.9 22.7 34.1



#17

Carbon Disulfide

Concen: 13.122 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY015541.D

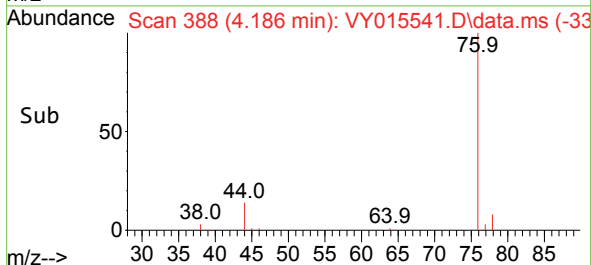
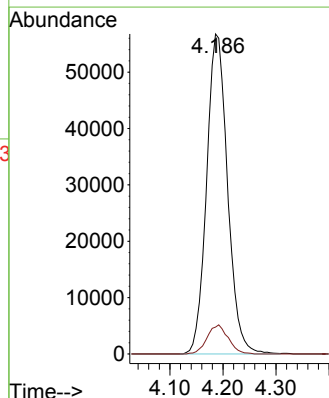
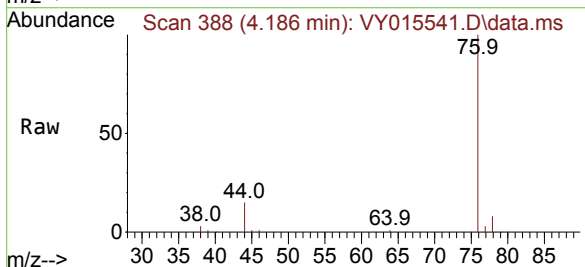
Acq: 14 Sep 2023 18:14

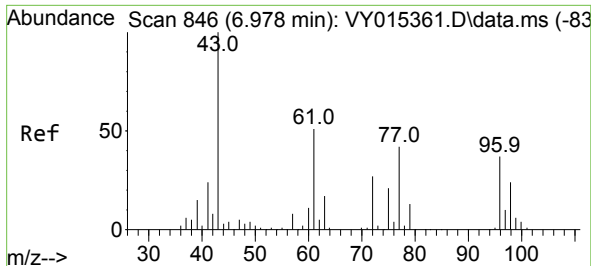
Tgt Ion: 76 Resp: 156020

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4

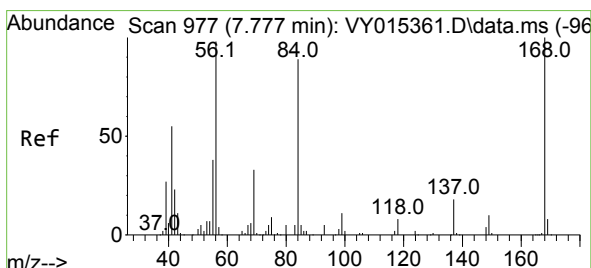
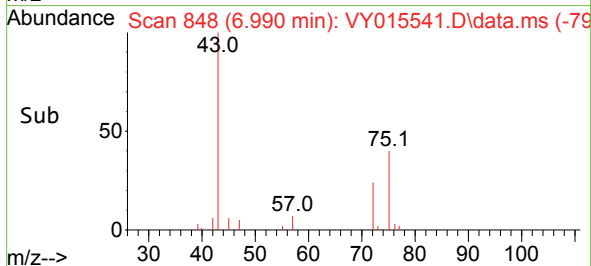
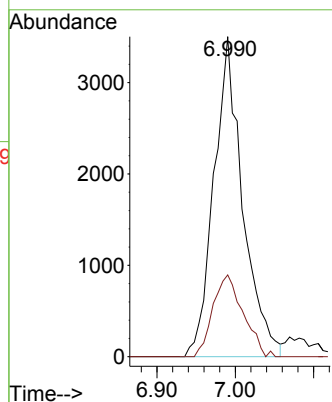
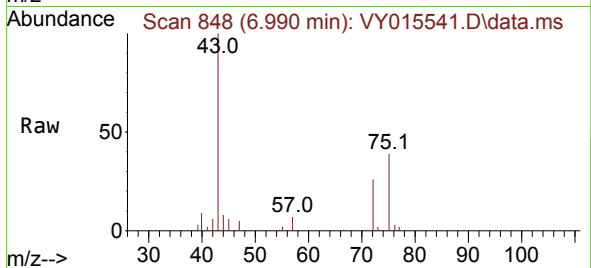




#25
2-Butanone
Concen: 3.525 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

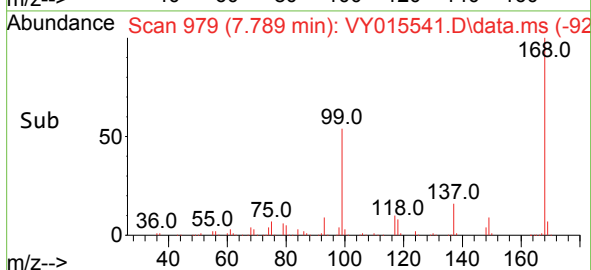
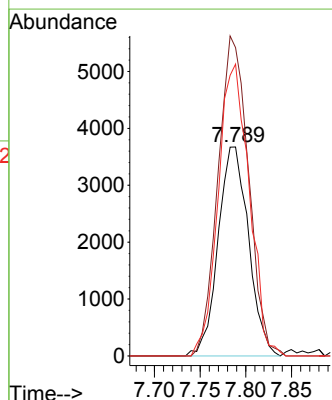
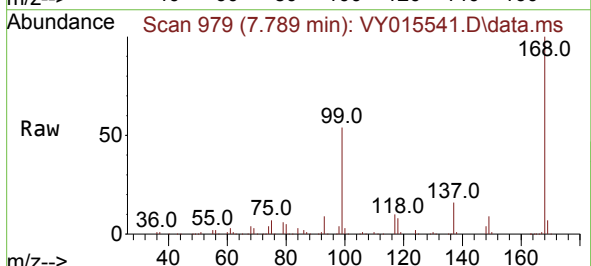
Instrument :
MSVOA_Y
ClientSampleId :

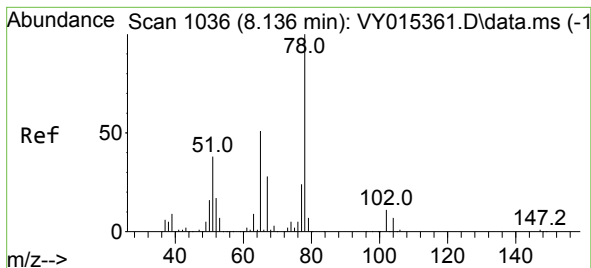
Tgt Ion: 43 Resp: 8951
Ion Ratio Lower Upper
43 100
72 25.6 20.5 30.7



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

Tgt Ion: 56 Resp: 8501
Ion Ratio Lower Upper
56 100
69 147.6 27.8 41.6#
84 139.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.942 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015541.D

Acq: 14 Sep 2023 18:14

Instrument :

MSVOA_Y

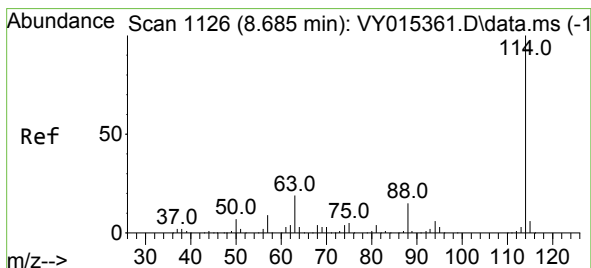
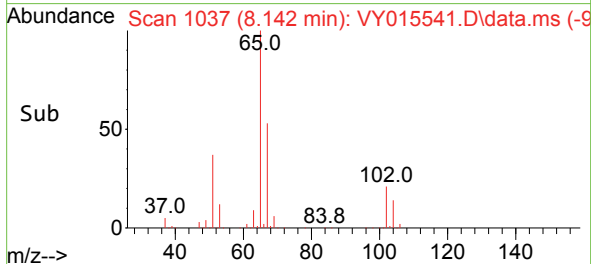
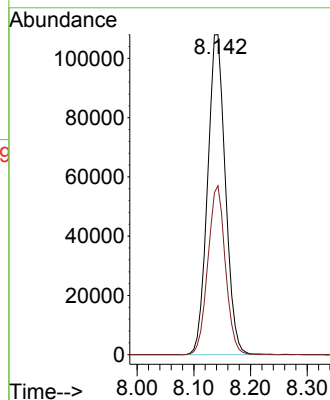
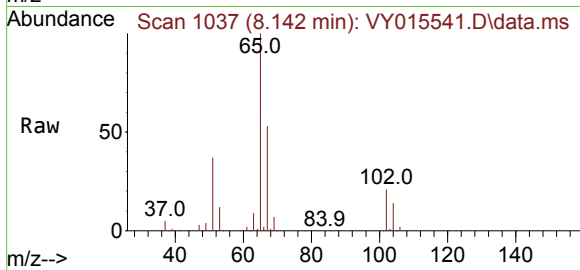
ClientSampleId :

Tgt Ion: 65 Resp: 235643

Ion Ratio Lower Upper

65 100

67 51.8 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: VY015541.D

Acq: 14 Sep 2023 18:14

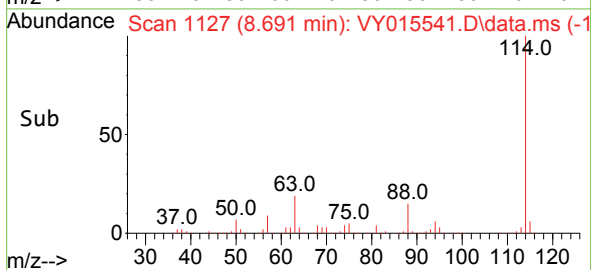
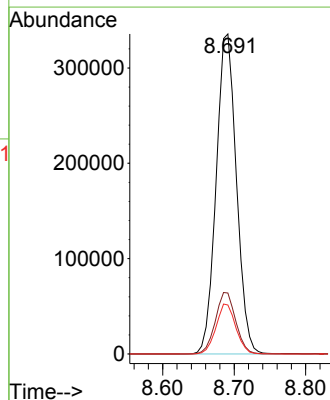
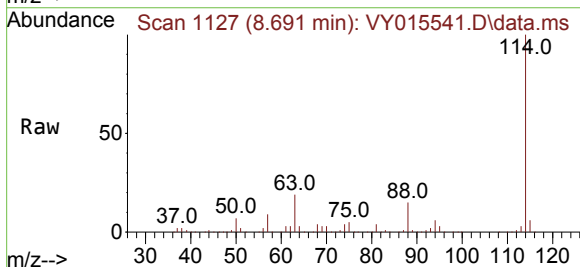
Tgt Ion: 114 Resp: 661681

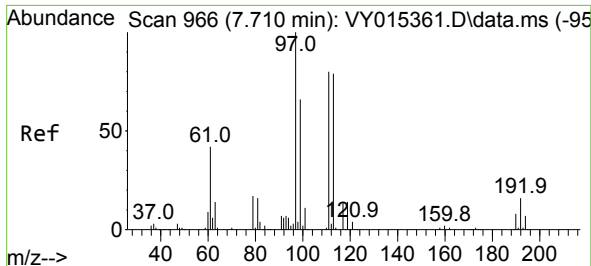
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

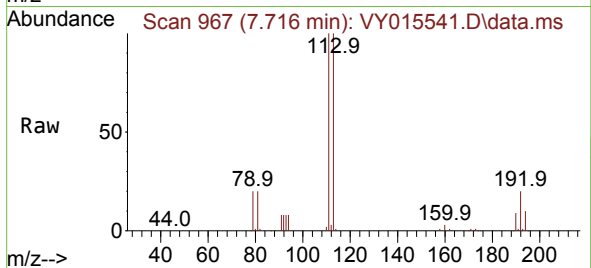
88 15.3 0.0 30.6



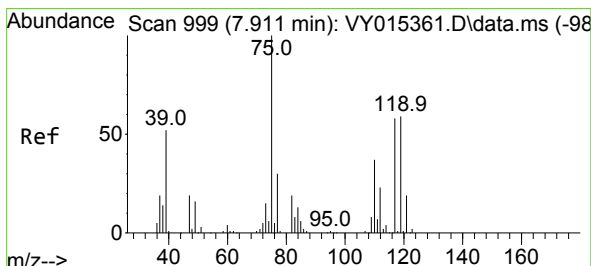
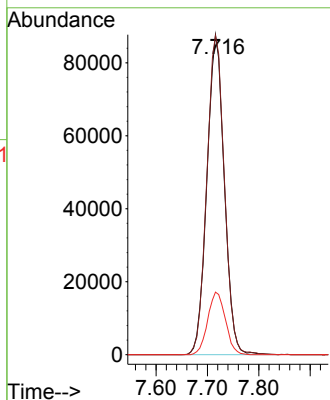
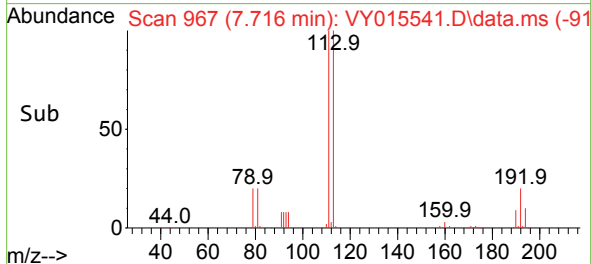


#35
Dibromofluoromethane
Concen: 53.920 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

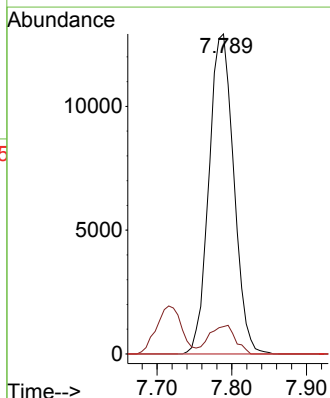
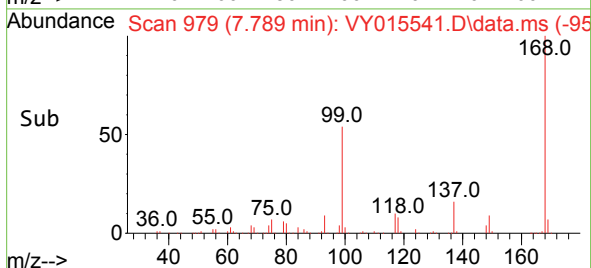
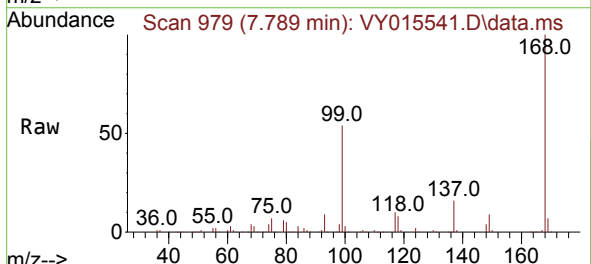


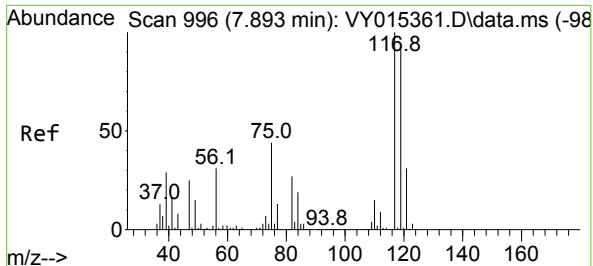
Tgt Ion:113 Resp: 205496
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.457 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

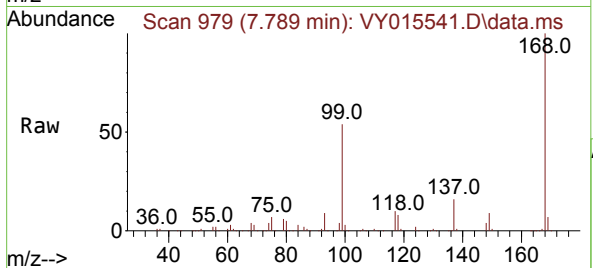
Tgt Ion: 75 Resp: 29824
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#



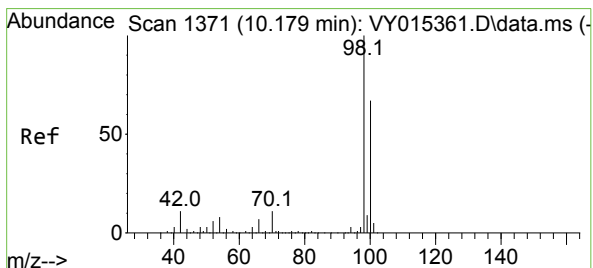
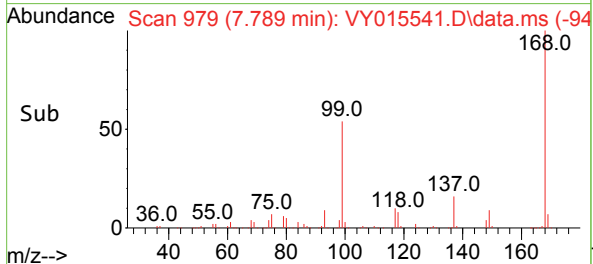
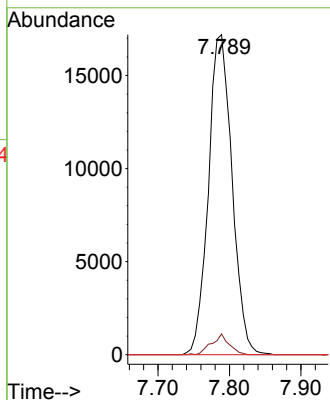


#38
Carbon Tetrachloride
Concen: 5.717 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

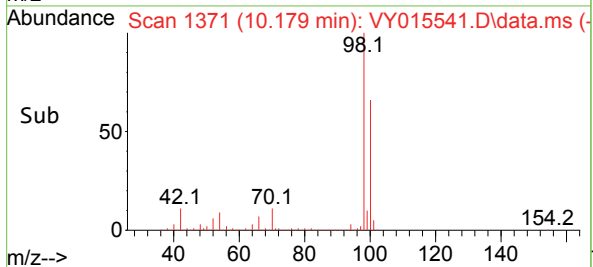
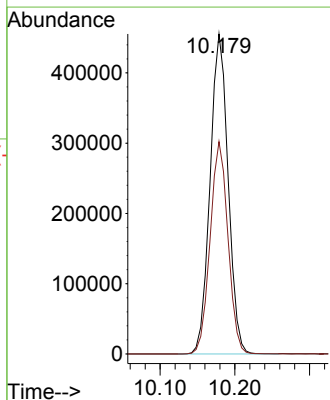
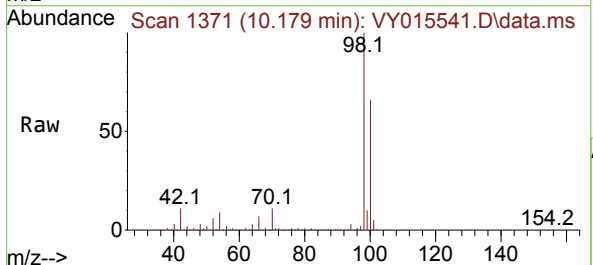


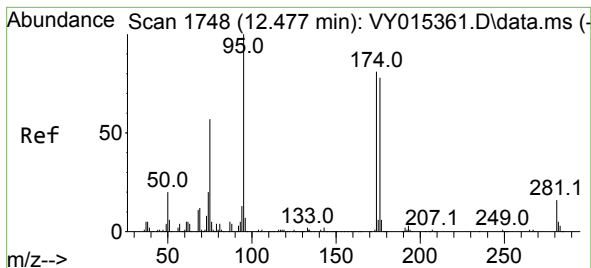
Tgt Ion:117 Resp: 39513
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.277 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015541.D
Acq: 14 Sep 2023 18:14

Tgt Ion: 98 Resp: 762908
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 52.002 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015541.D

Acq: 14 Sep 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

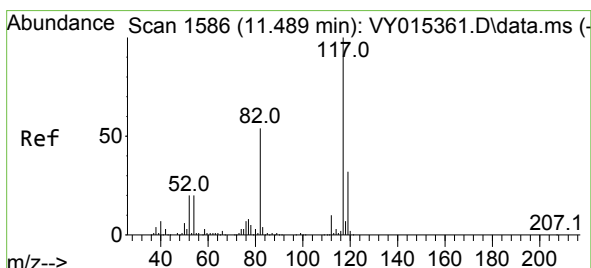
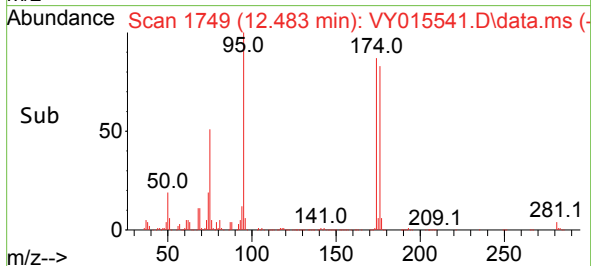
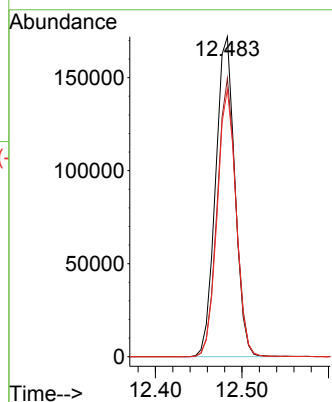
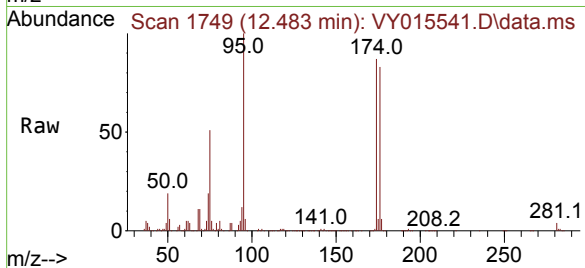
Tgt Ion: 95 Resp: 266441

Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 82.0 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY015541.D

Acq: 14 Sep 2023 18:14

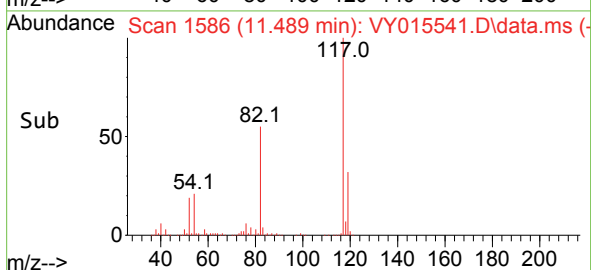
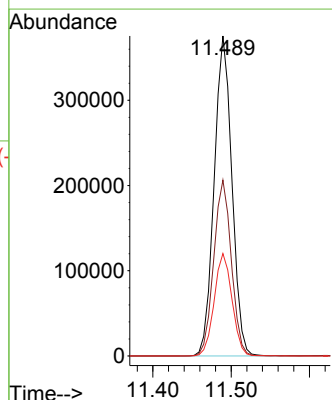
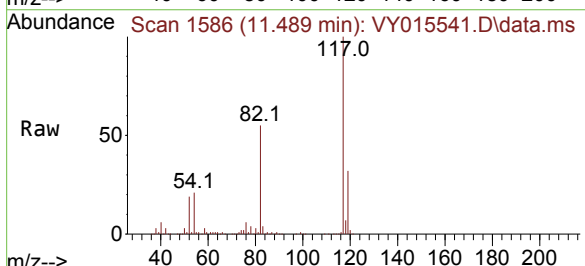
Tgt Ion: 117 Resp: 591035

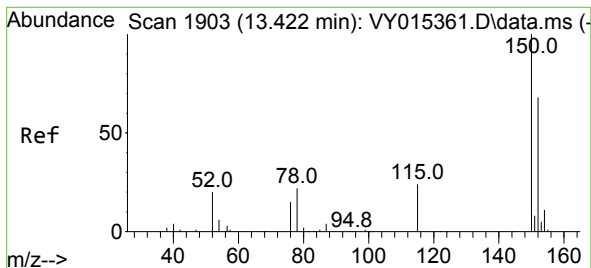
Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015541.D

Acq: 14 Sep 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

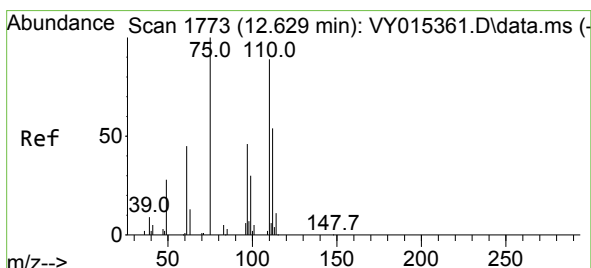
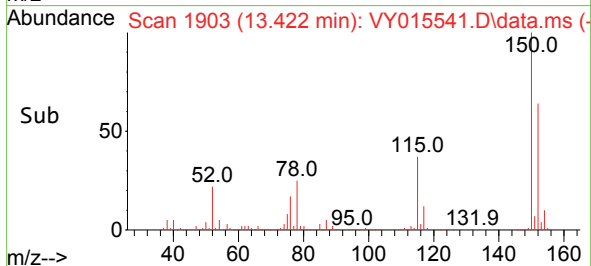
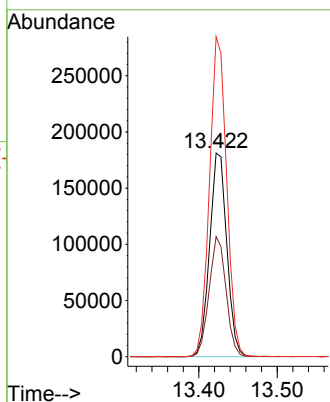
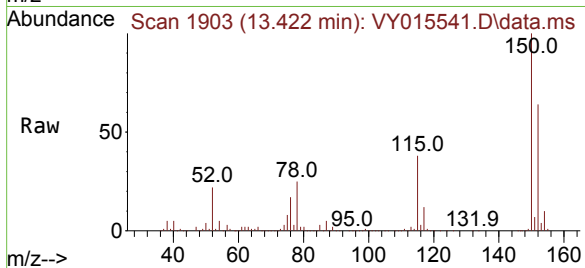
Tgt Ion:152 Resp: 276807

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.539 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015541.D

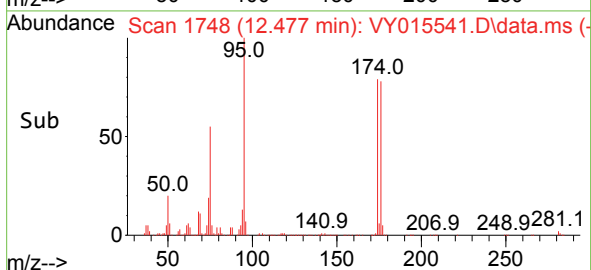
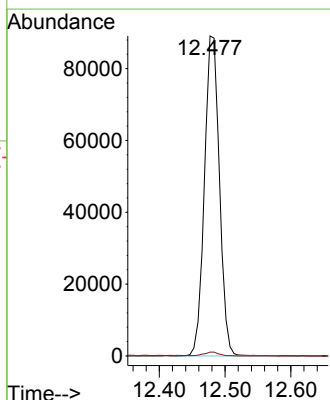
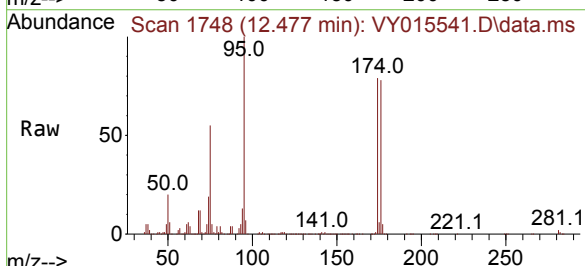
Acq: 14 Sep 2023 18:14

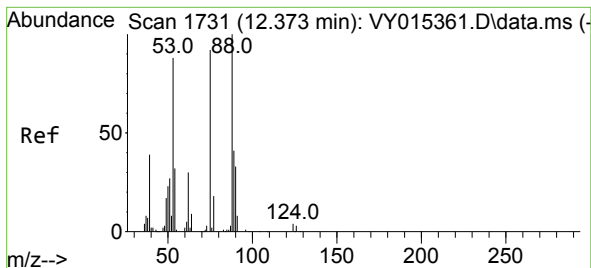
Tgt Ion: 75 Resp: 141467

Ion Ratio Lower Upper

75 100

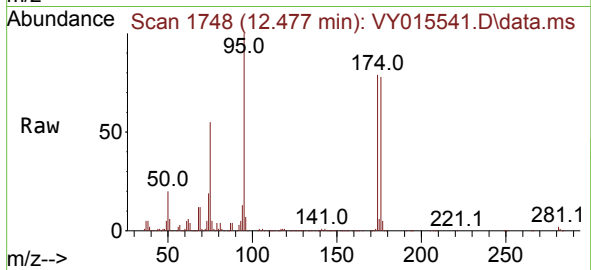
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.013 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015541.D
 Acq: 14 Sep 2023 18:14

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 141467
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

