

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015692.D
 Acq On : 22 Sep 2023 18:15
 Operator : SY/MD
 Sample : 04587-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 22:59:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

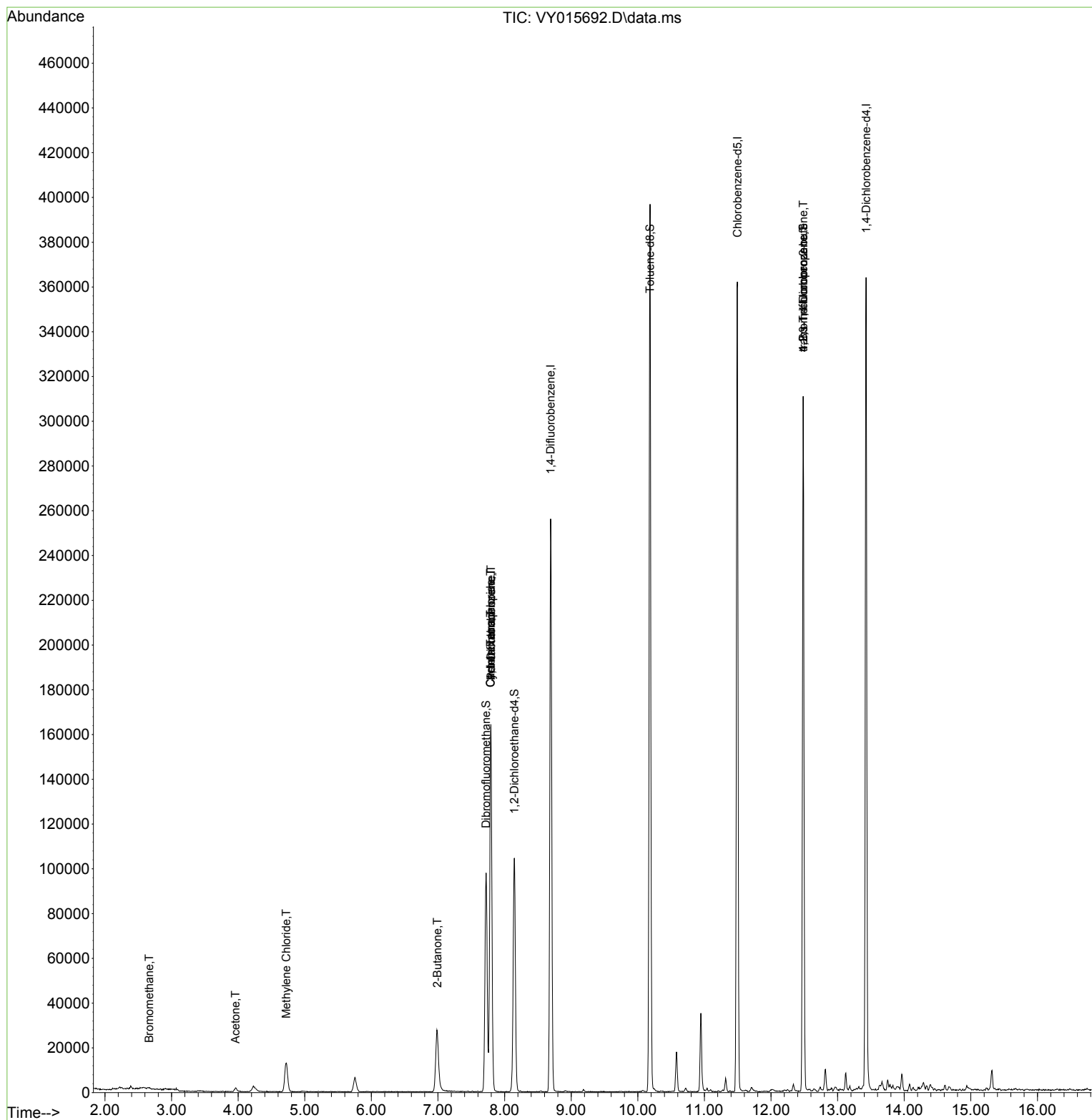
Internal Standards						
1) Pentafluorobenzene	7.795	168	128189	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	218491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	199741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82084	58.198	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.400%	
35) Dibromofluoromethane	7.722	113	70137	53.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.185	98	257542	58.082	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.160%	
62) 4-Bromofluorobenzene	12.483	95	87221	50.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	128	2.657	ug/l #	80
11) Tert butyl alcohol	4.966	59	815	Below Cal	#	89
16) Acetone	3.960	43	2979	3.947	ug/l #	89
20) Methylene Chloride	4.722	84	10041	1.367	ug/l	93
25) 2-Butanone	6.990	43	1741	1.632	ug/l #	71
31) Cyclohexane	7.789	56	2885	1.477	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9958	5.150	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12956	6.173	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	46775	31.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46775	71.342	ug/l #	11

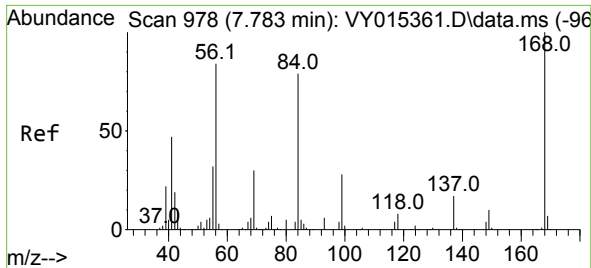
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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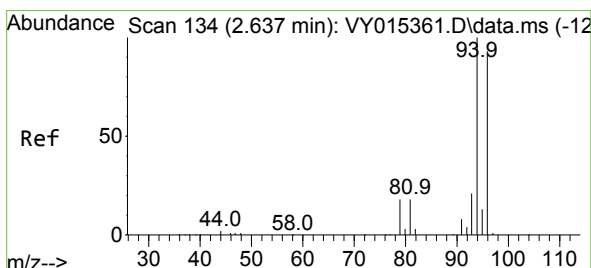
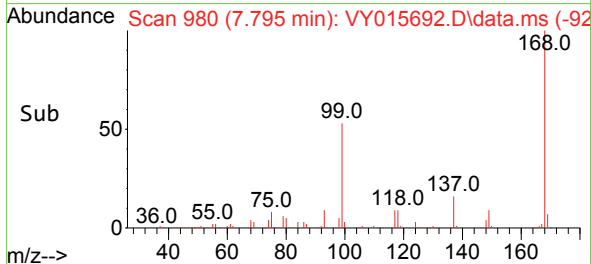
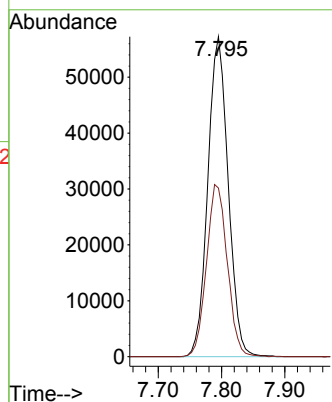
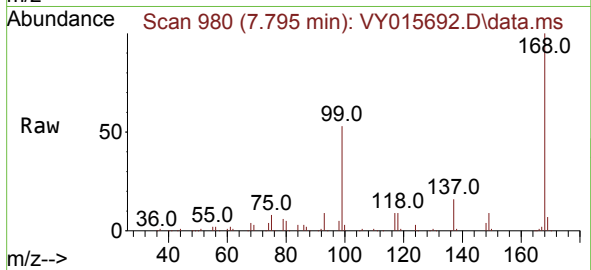




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

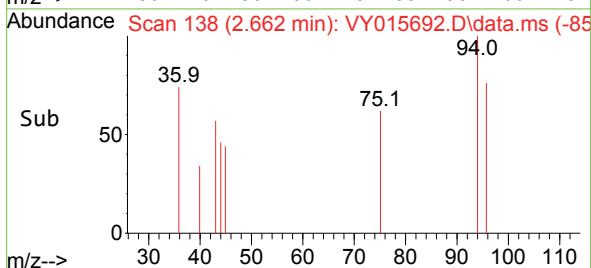
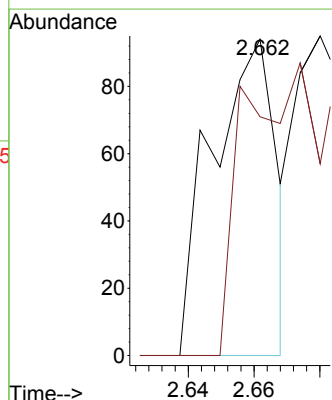
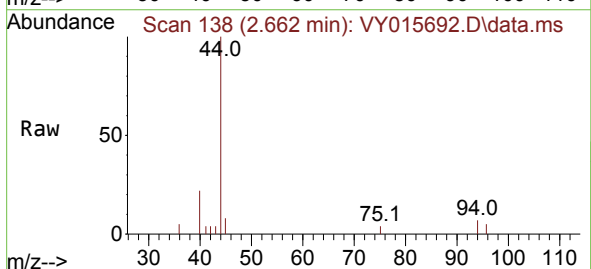
Instrument :
MSVOA_Y
ClientSampleId :

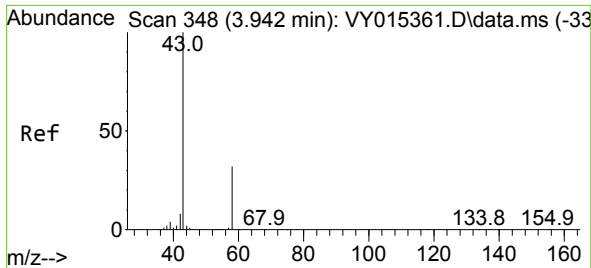
Tgt Ion:168 Resp: 128189
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#5
Bromomethane
Concen: 2.657 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 75.5 75.8 113.6#





#16

Acetone

Concen: 3.947 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

Instrument :

MSVOA_Y

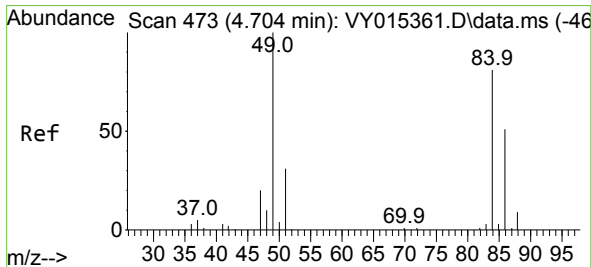
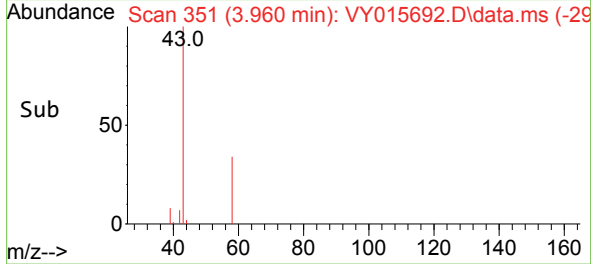
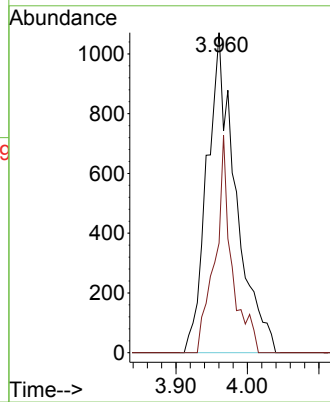
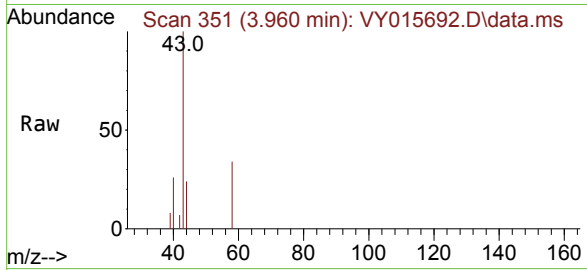
ClientSampleId :

Tgt Ion: 43 Resp: 2979

Ion Ratio Lower Upper

43 100

58 34.3 22.7 34.1#



#20

Methylene Chloride

Concen: 1.367 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.018 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

Tgt Ion: 84 Resp: 10041

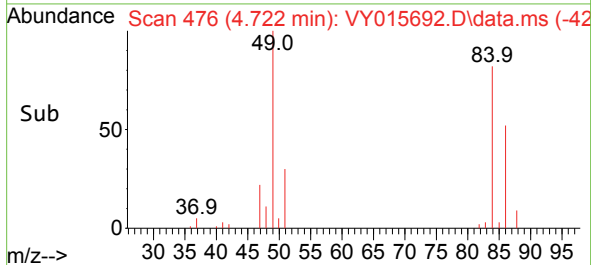
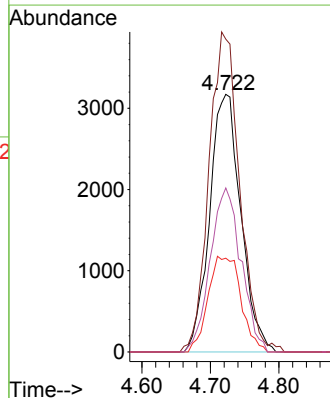
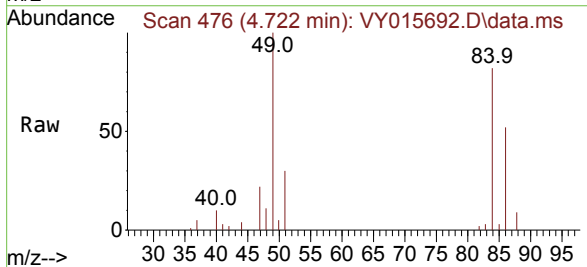
Ion Ratio Lower Upper

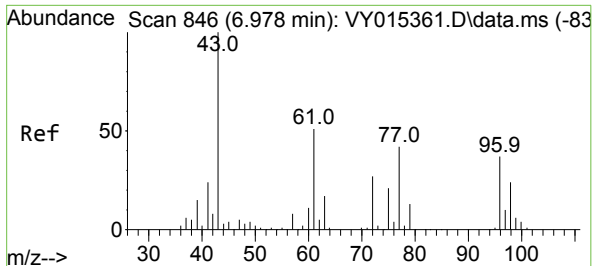
84 100

49 121.4 106.9 160.3

51 36.4 33.2 49.8

86 63.7 51.0 76.6





#25

2-Butanone

Concen: 1.632 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

Instrument :

MSVOA_Y

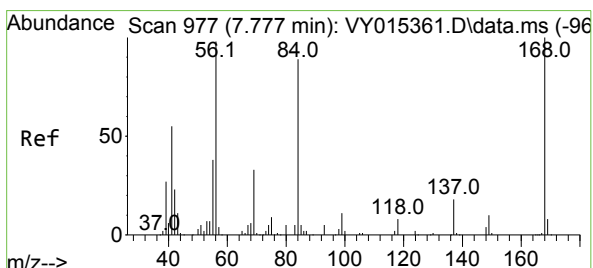
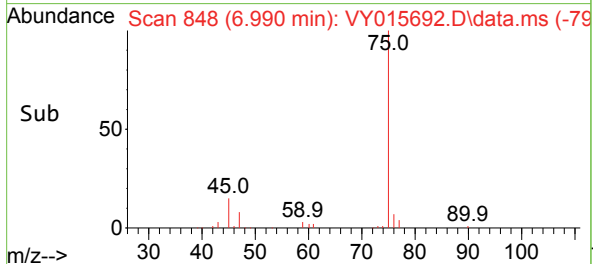
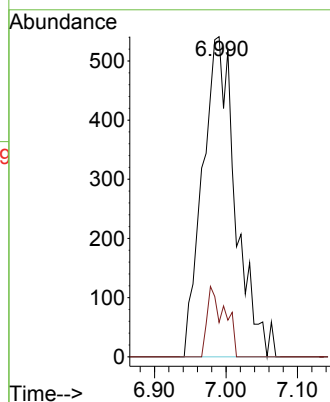
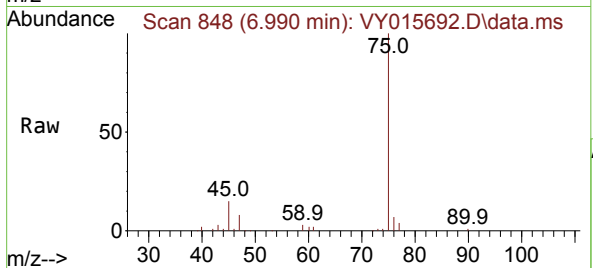
ClientSampleId :

Tgt Ion: 43 Resp: 1741

Ion Ratio Lower Upper

43 100

72 10.7 20.5 30.7#



#31

Cyclohexane

Concen: 1.477 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

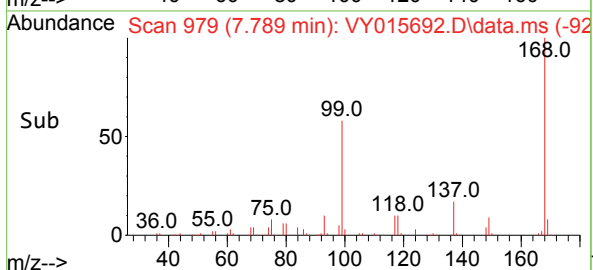
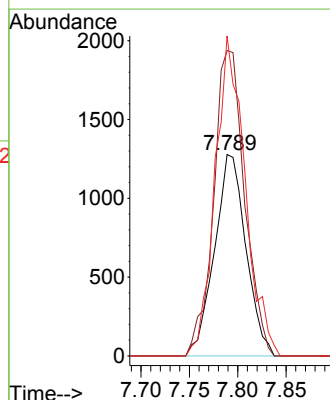
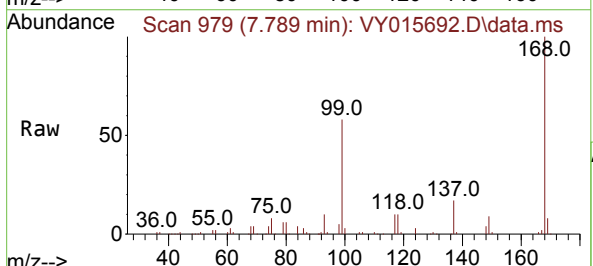
Tgt Ion: 56 Resp: 2885

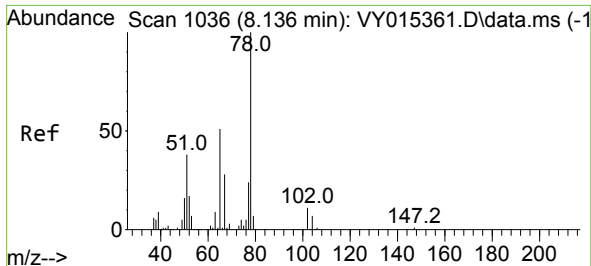
Ion Ratio Lower Upper

56 100

69 151.6 27.8 41.6#

84 158.8 66.4 99.6#

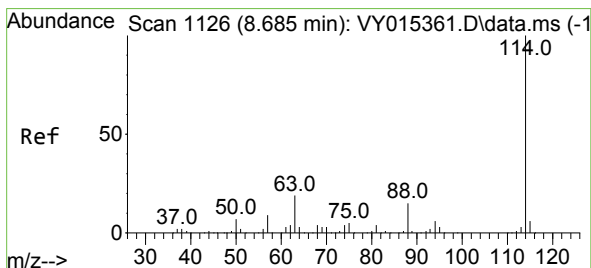
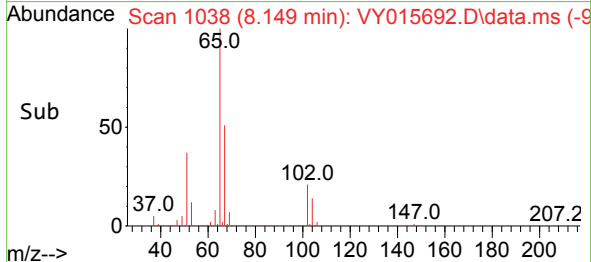
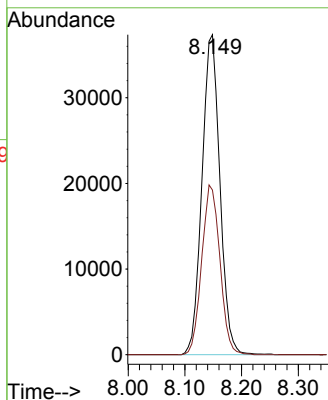
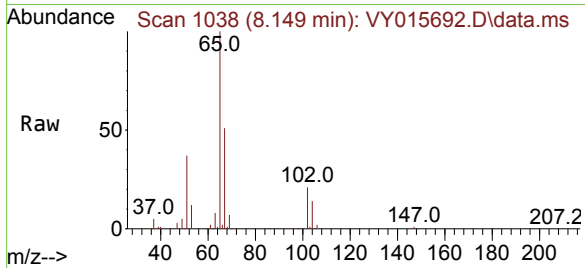




#33
 1,2-Dichloroethane-d4
 Concen: 58.198 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.013 min
 Lab File: VY015692.D
 Acq: 22 Sep 2023 18:15

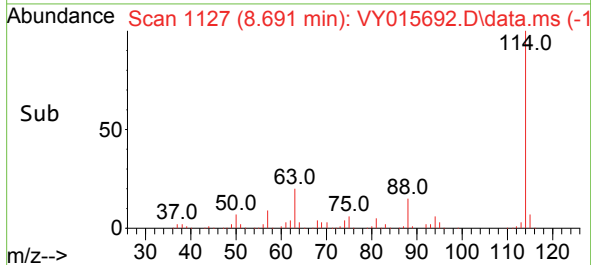
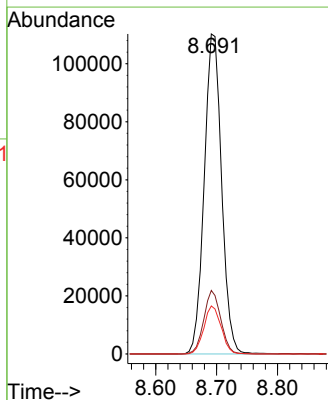
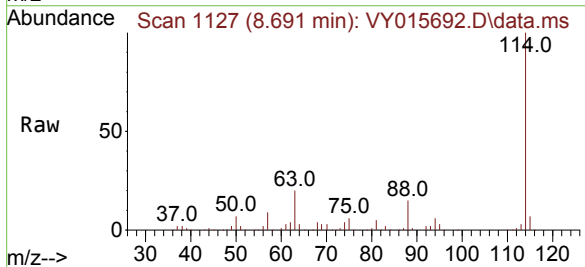
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 65 Resp: 82084
 Ion Ratio Lower Upper
 65 100
 67 53.8 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: VY015692.D
 Acq: 22 Sep 2023 18:15

Tgt Ion: 114 Resp: 218491
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.0 0.0 30.6

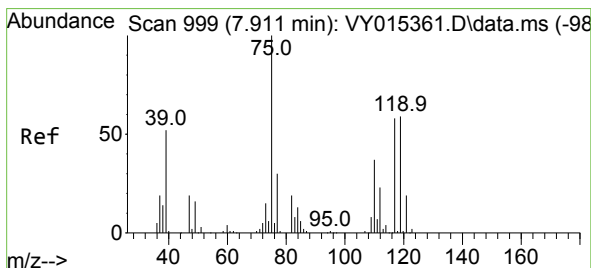
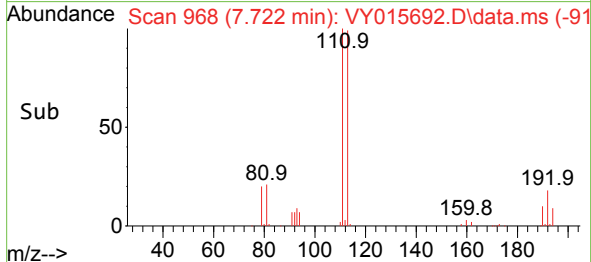
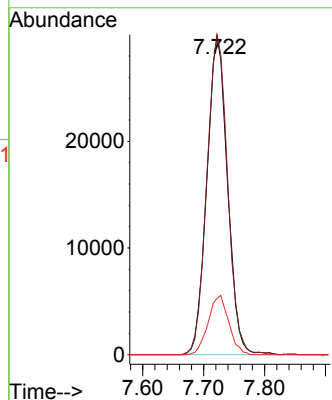
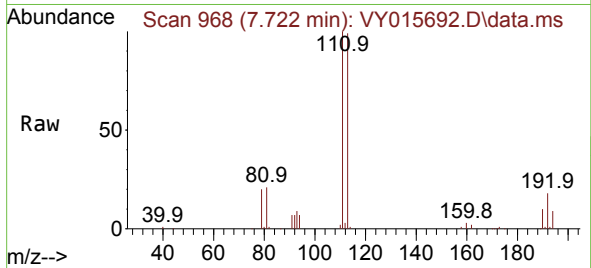




#35
Dibromofluoromethane
Concen: 53.632 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

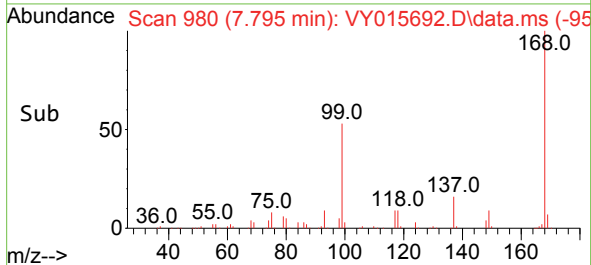
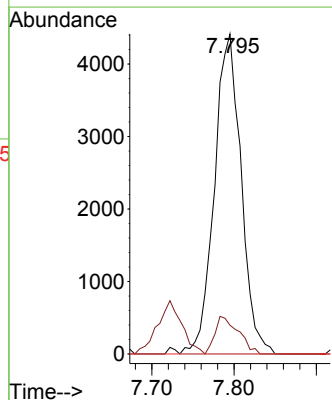
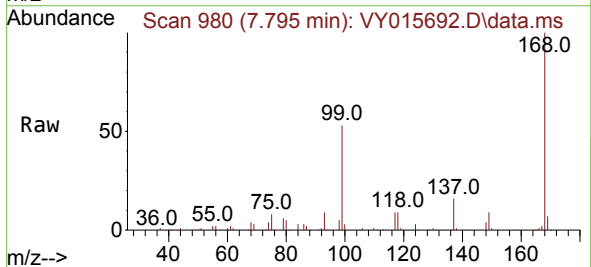
Instrument :
MSVOA_Y
ClientSampleId :

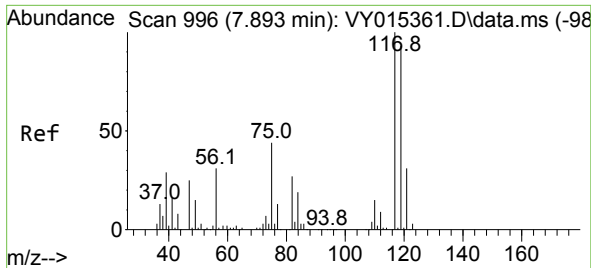
Tgt Ion:113 Resp: 70137
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

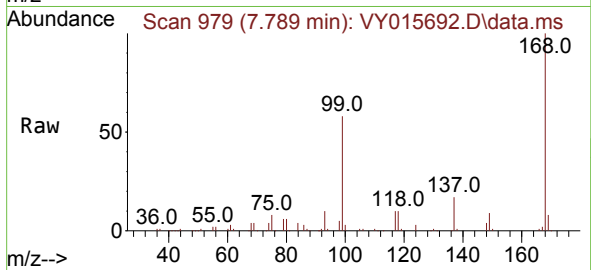
Tgt Ion: 75 Resp: 9958
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



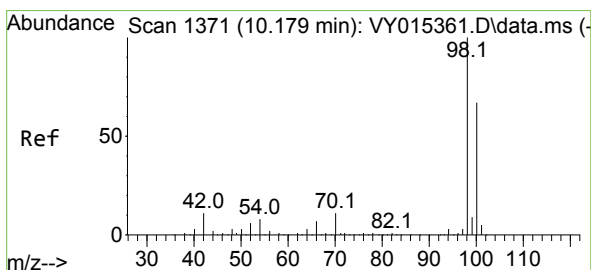
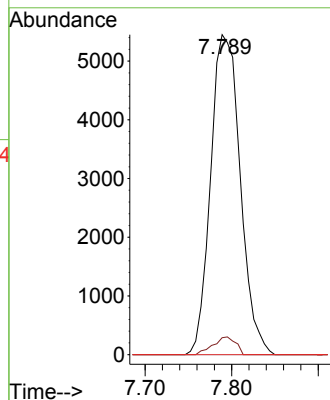
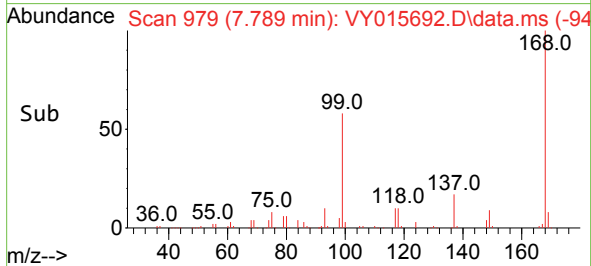


#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Instrument :
MSVOA_Y
ClientSampleId :

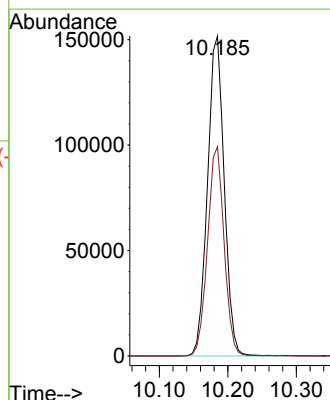
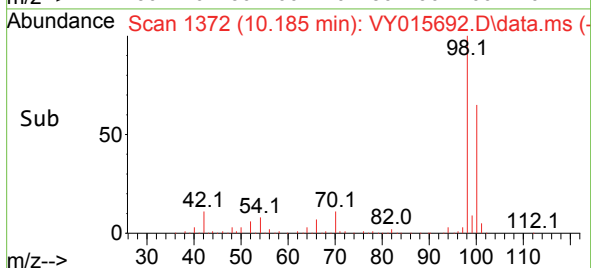
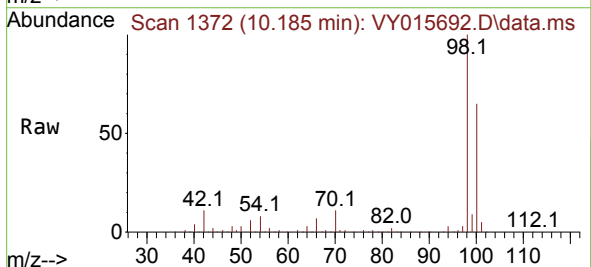


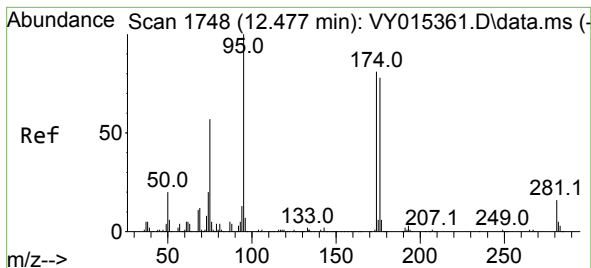
Tgt Ion:117 Resp: 12956
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.082 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Tgt Ion: 98 Resp: 257542
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

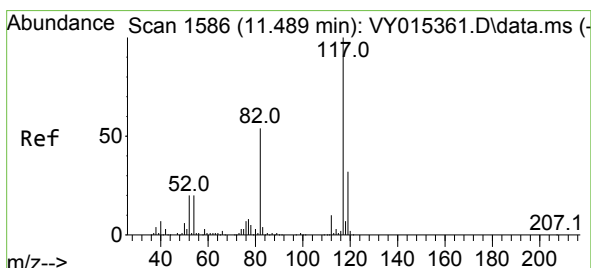
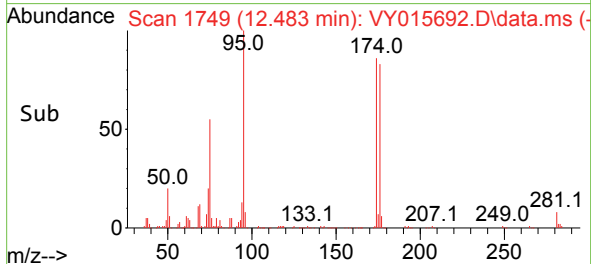
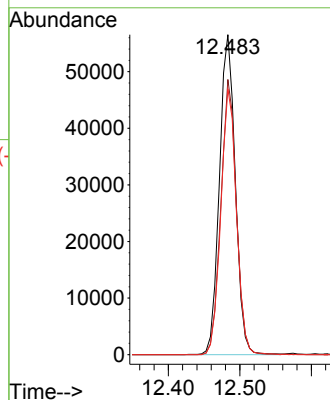
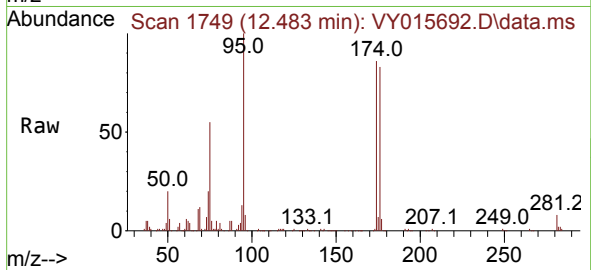




#62
4-Bromofluorobenzene
Concen: 50.124 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

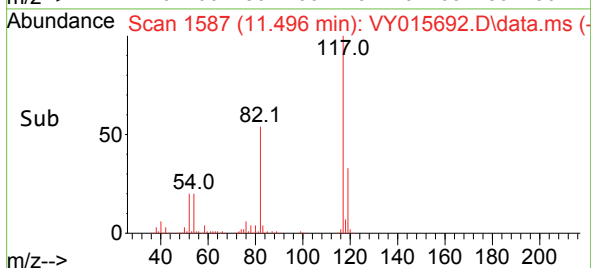
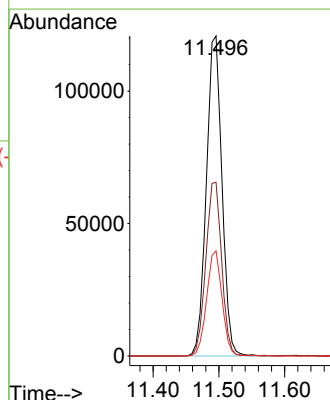
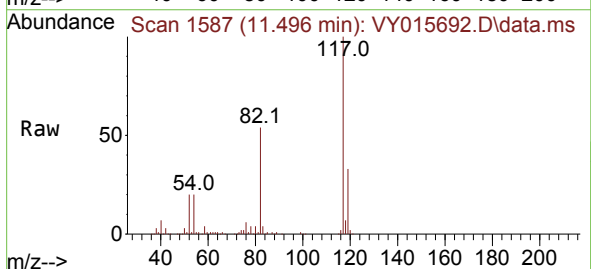
Instrument :
MSVOA_Y
ClientSampleId :

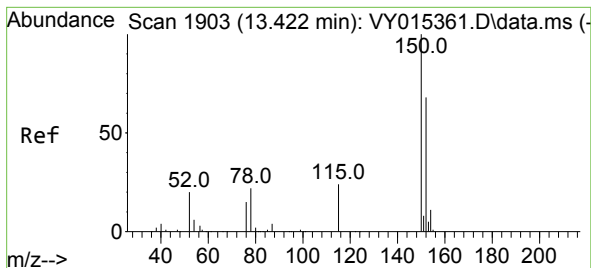
Tgt Ion: 95 Resp: 87221
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Tgt Ion: 117 Resp: 199741
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

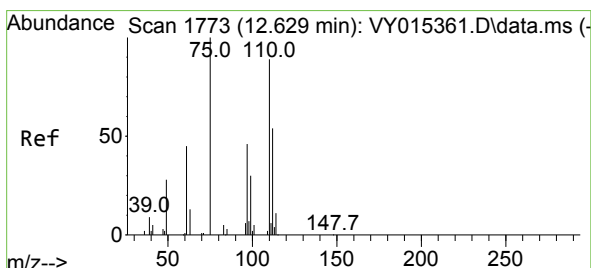
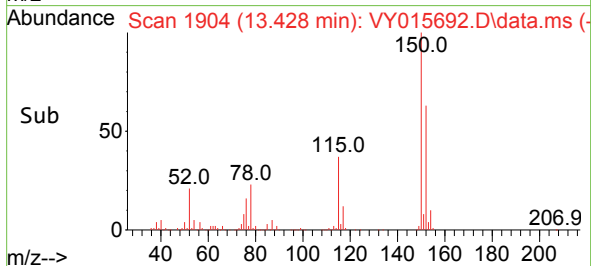
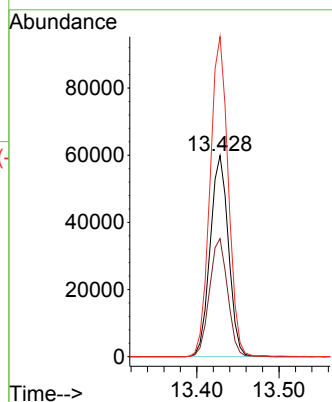
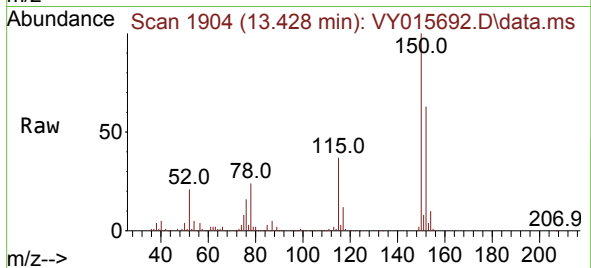
Tgt Ion:152 Resp: 92548

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.681 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015692.D

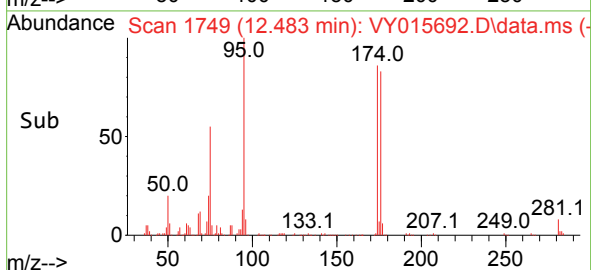
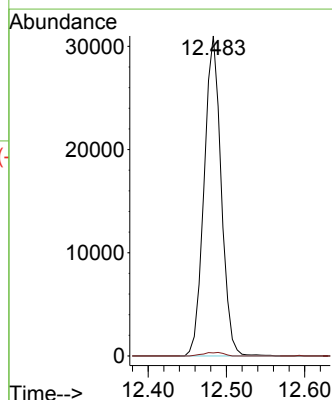
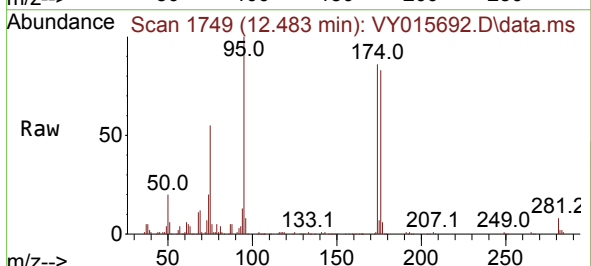
Acq: 22 Sep 2023 18:15

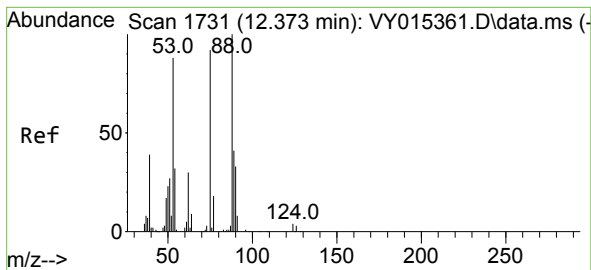
Tgt Ion: 75 Resp: 46775

Ion Ratio Lower Upper

75 100

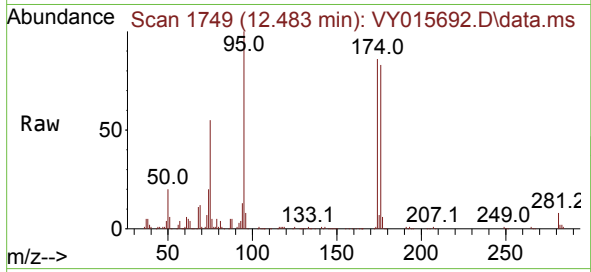
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.342 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015692.D
 Acq: 22 Sep 2023 18:15

Instrument :
 MSVOA_Y
 ClientSampleId :



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

