

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015623.D
 Acq On : 18 Sep 2023 18:33
 Operator : SY/MD
 Sample : 04445-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:06:08 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)

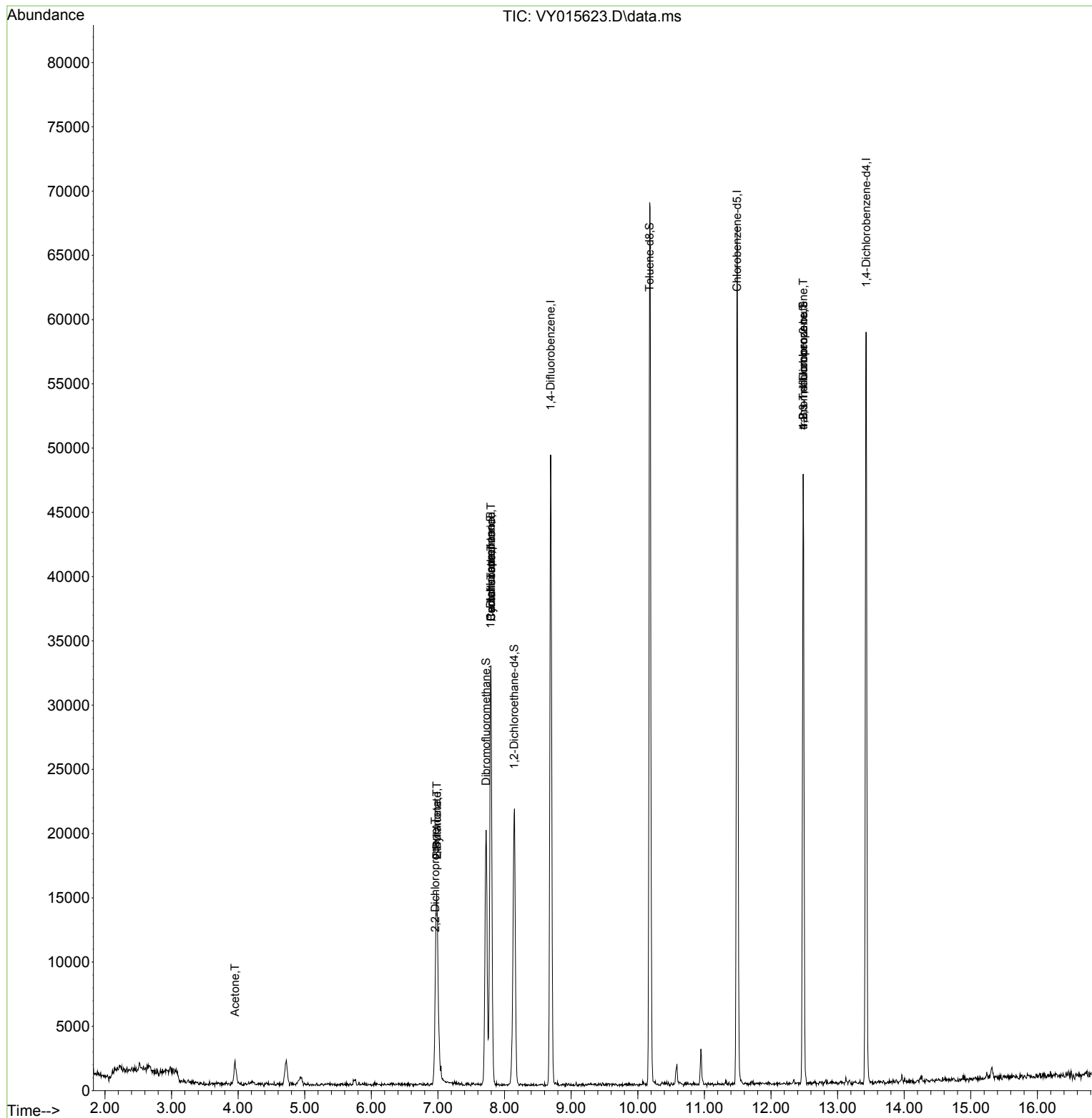
Internal Standards						
1) Pentafluorobenzene	7.795	168	25640	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	41896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	37005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16200	58.940	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.880%			
35) Dibromofluoromethane	7.722	113	13901	57.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.220%			
50) Toluene-d8	10.179	98	47353	54.187	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.380%			
62) 4-Bromofluorobenzene	12.483	95	14793	45.599	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.200%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	591	Below Cal	#	89
16) Acetone	3.954	43	2906	25.330	ug/l #	76
20) Methylene Chloride	4.729	84	1405	Below Cal	#	84
25) 2-Butanone	6.984	43	399	2.452	ug/l #	49
26) 2,2-Dichloropropane	6.960	77	1113	2.554	ug/l #	54
31) Cyclohexane	7.795	56	530	1.086	ug/l #	14
36) 1,1-Dichloropropene	7.789	75	2125	5.015	ug/l #	47
37) Ethyl Acetate	6.984	43	399	1.221	ug/l #	1
38) Carbon Tetrachloride	7.795	117	2590	5.918	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	7867	37.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7867	83.624	ug/l #	10

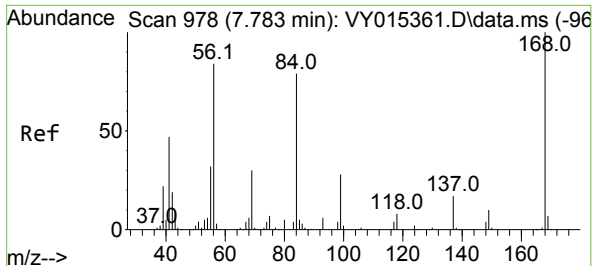
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration

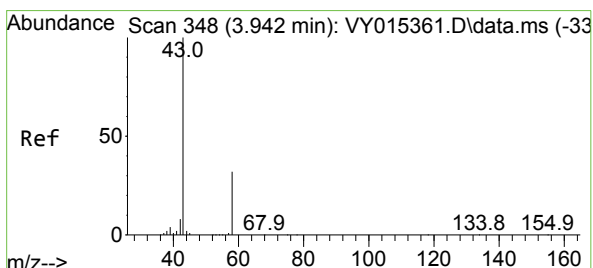
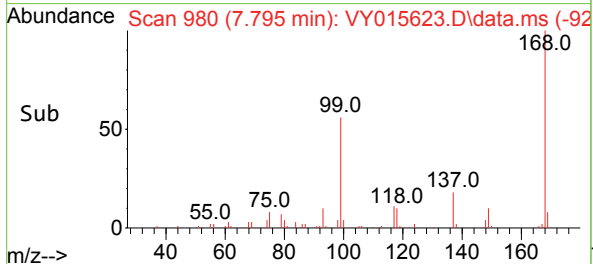
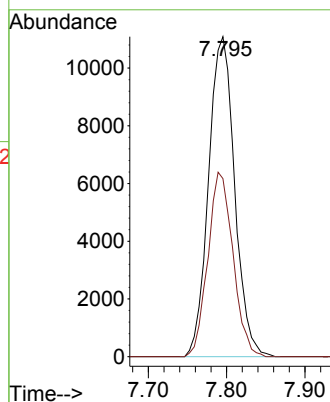
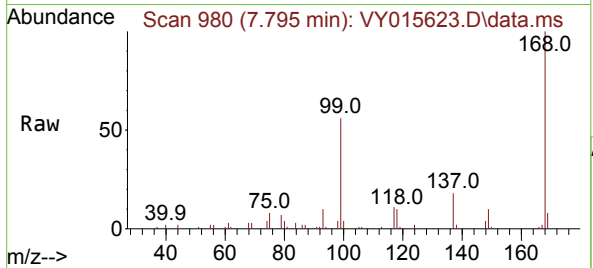




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

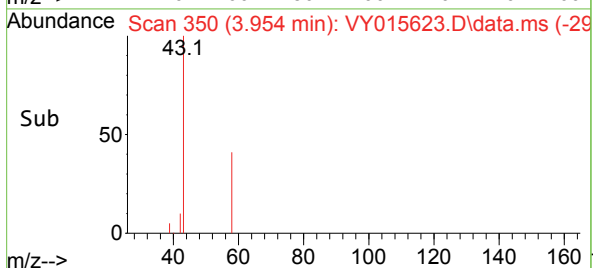
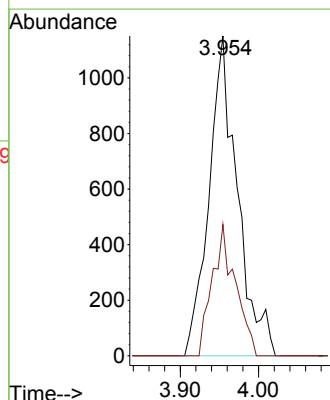
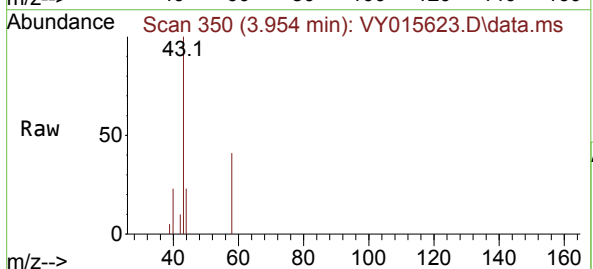
Instrument :
MSVOA_Y
ClientSampleId :

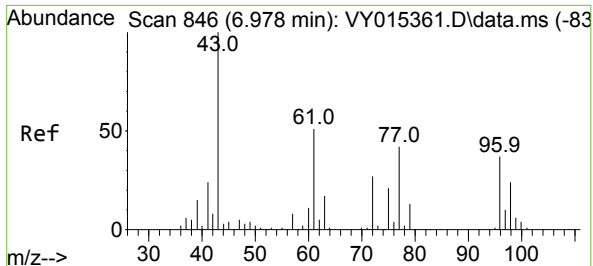
Tgt Ion:168 Resp: 25640
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#16
Acetone
Concen: 25.330 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
58 41.1 22.7 34.1#





#25

2-Butanone

Concen: 2.452 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY015623.D

Acq: 18 Sep 2023 18:33

Instrument :

MSVOA_Y

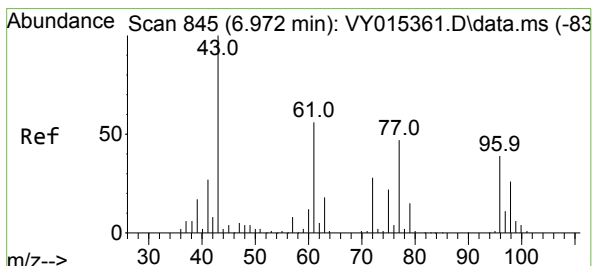
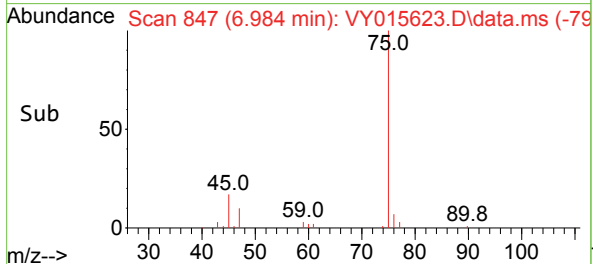
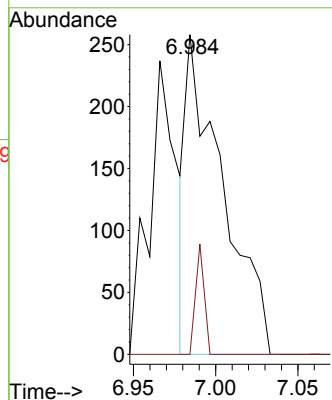
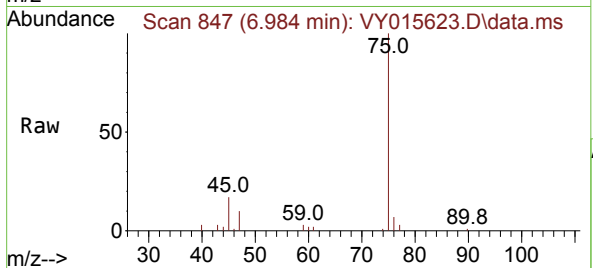
ClientSampleId :

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.554 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.012 min

Lab File: VY015623.D

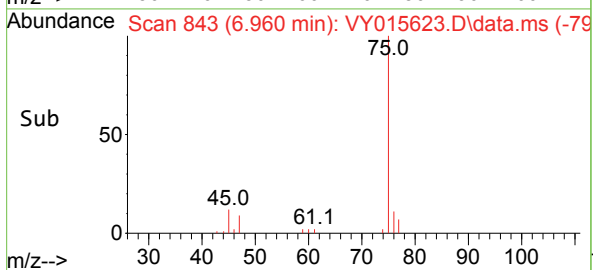
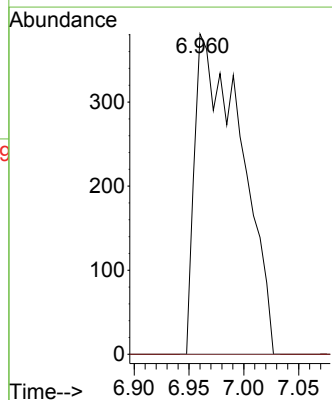
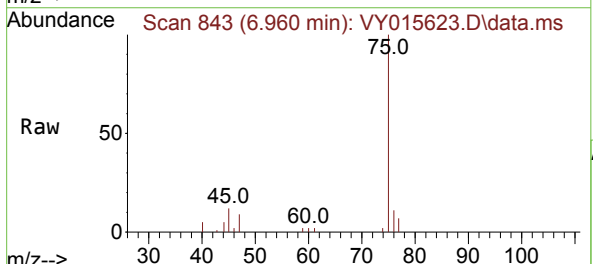
Acq: 18 Sep 2023 18:33

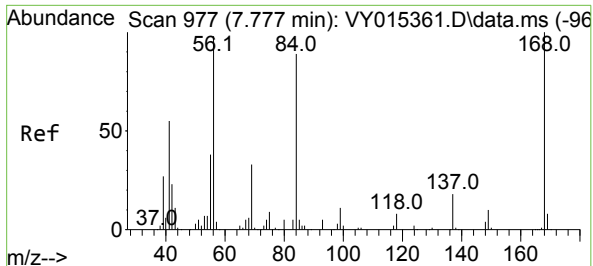
Tgt Ion: 77 Resp: 1113

Ion Ratio Lower Upper

77 100

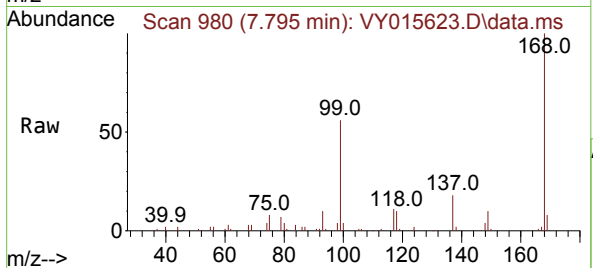
97 0.0 10.9 32.9#



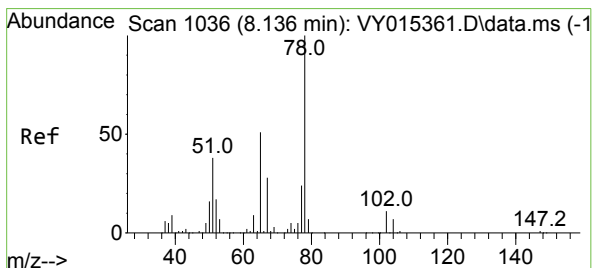
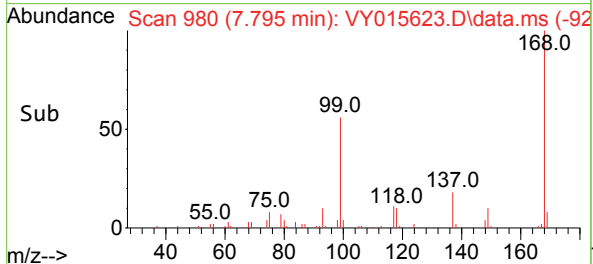
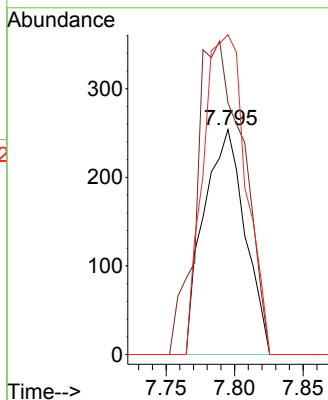


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :

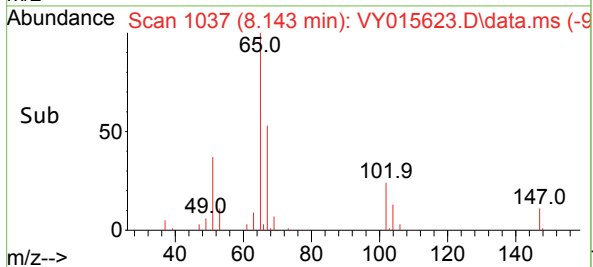
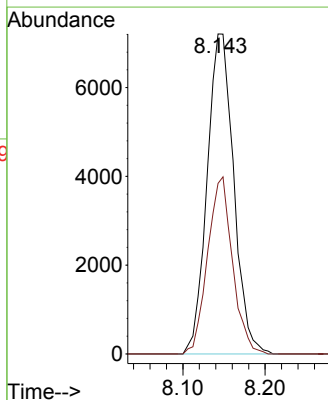
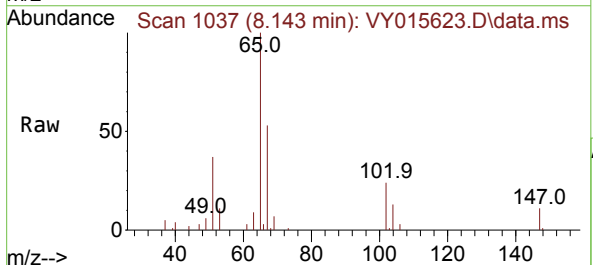


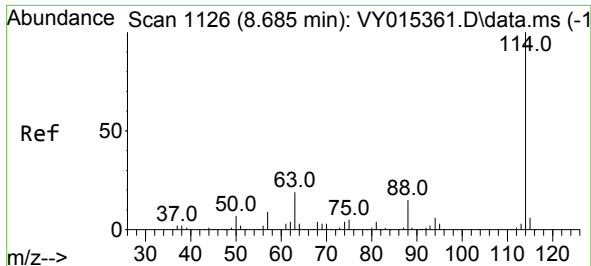
Tgt Ion: 56 Resp: 530
Ion Ratio Lower Upper
56 100
69 111.8 27.8 41.6#
84 142.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.940 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Tgt Ion: 65 Resp: 16200
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8

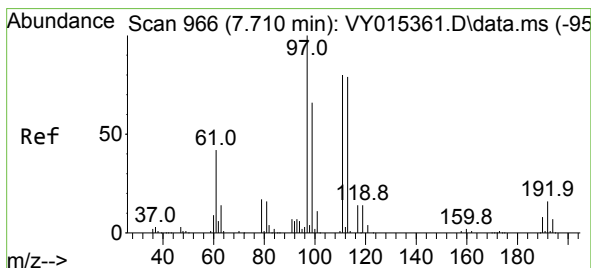
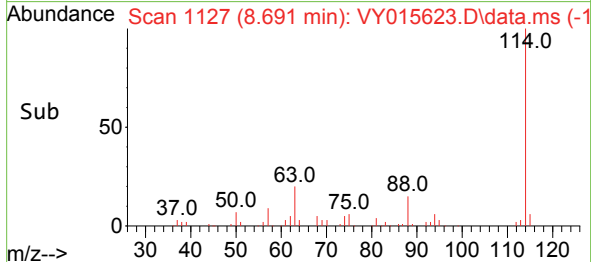
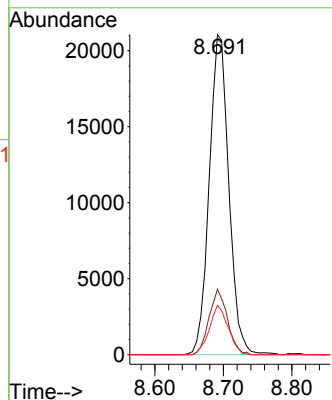
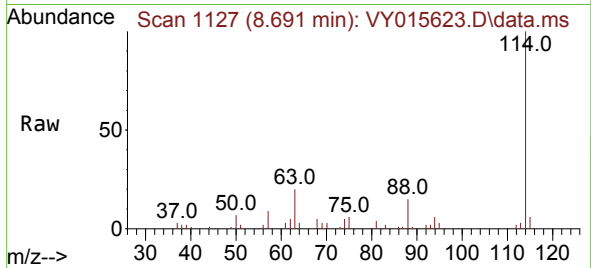




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

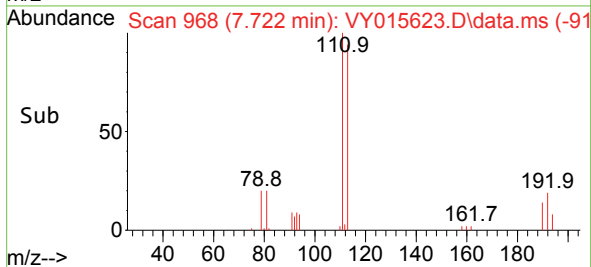
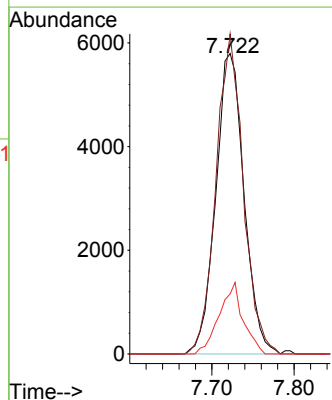
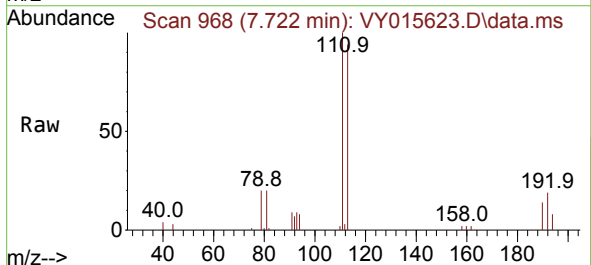
Instrument :
MSVOA_Y
ClientSampleId :

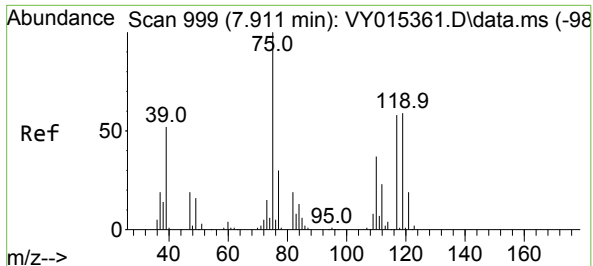
Tgt Ion:114 Resp: 41896
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 57.606 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

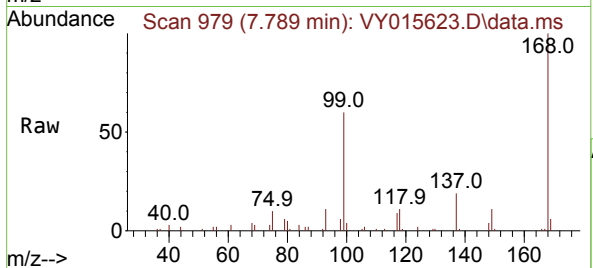
Tgt Ion:113 Resp: 13901
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.0 16.9 25.3



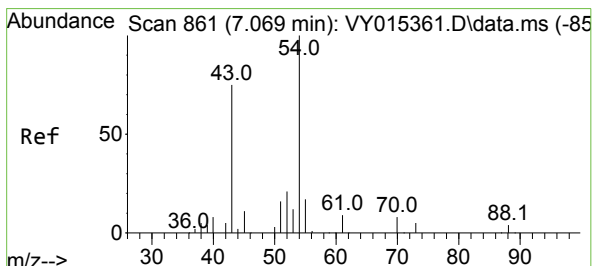
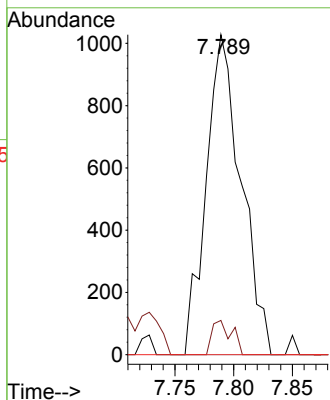
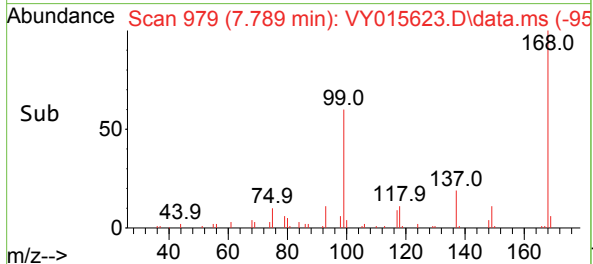


#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

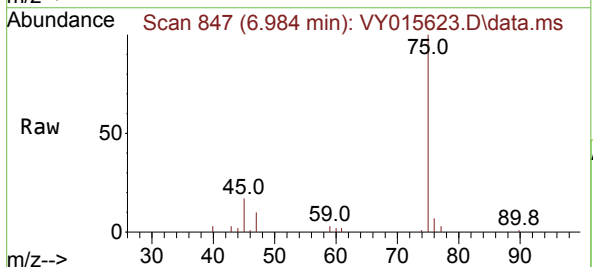
Instrument :
MSVOA_Y
ClientSampleId :



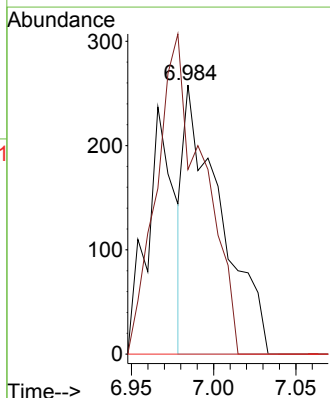
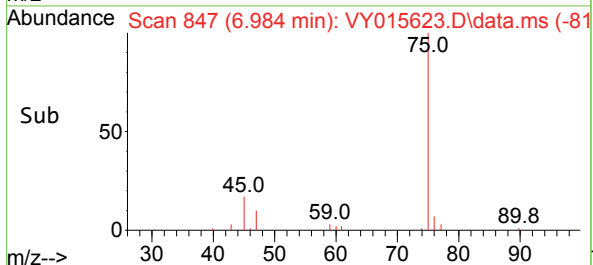
Tgt Ion: 75 Resp: 2125
Ion Ratio Lower Upper
75 100
110 6.0 17.8 53.5#
77 0.0 24.4 36.6#

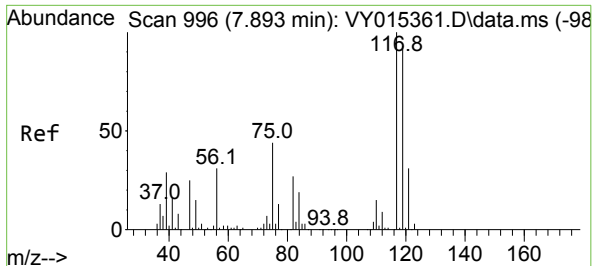


#37
Ethyl Acetate
Concen: 1.221 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33



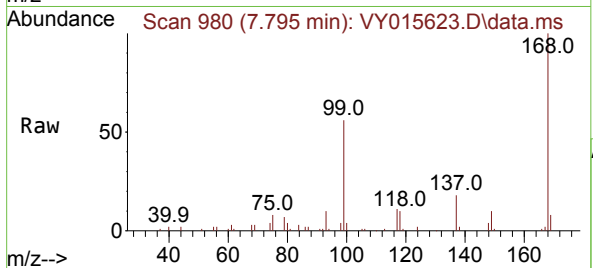
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
61 151.6 10.1 15.1#
70 0.0 7.1 10.7#



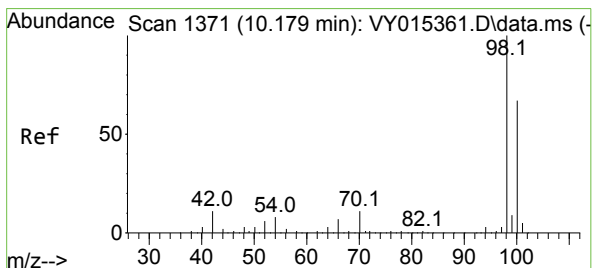
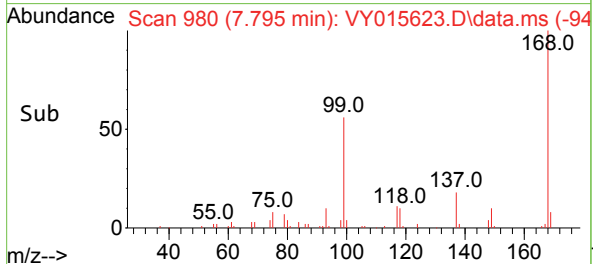
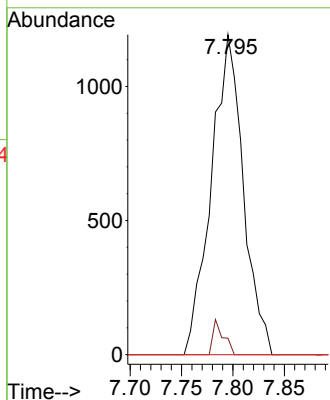


#38
Carbon Tetrachloride
Concen: 5.918 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :

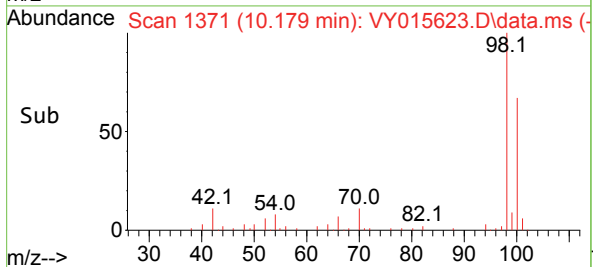
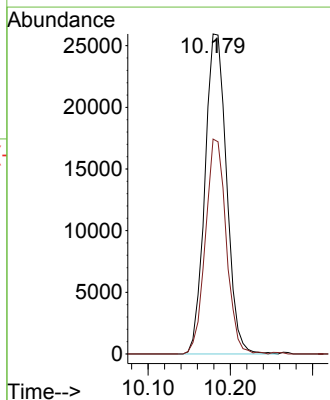
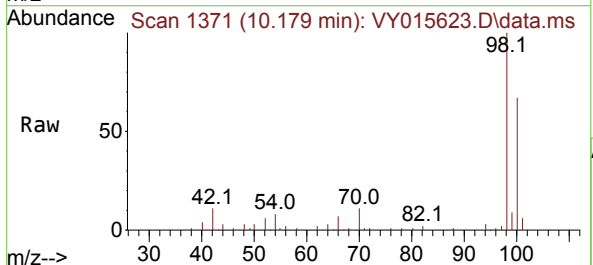


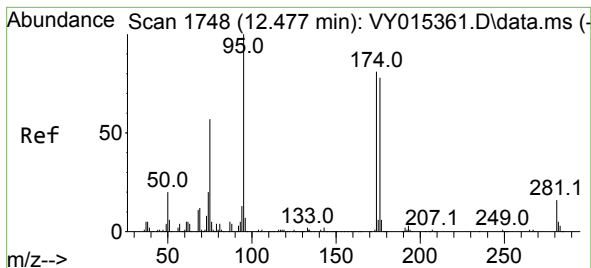
Tgt Ion:117 Resp: 2590
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 54.187 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Tgt Ion: 98 Resp: 47353
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

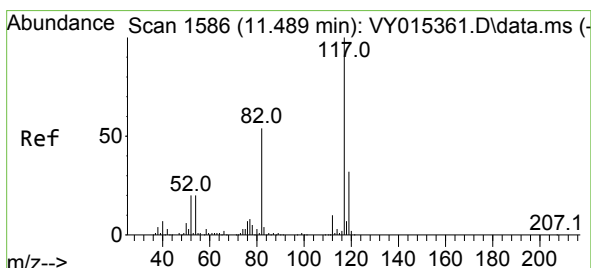
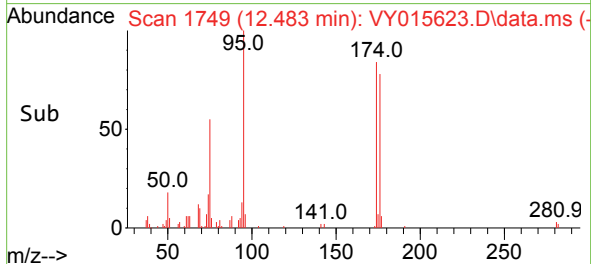
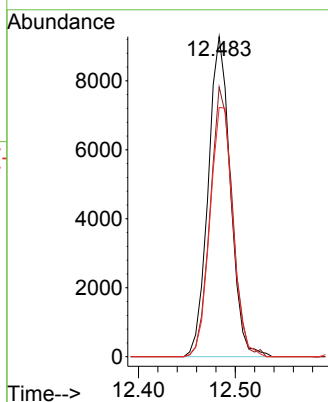
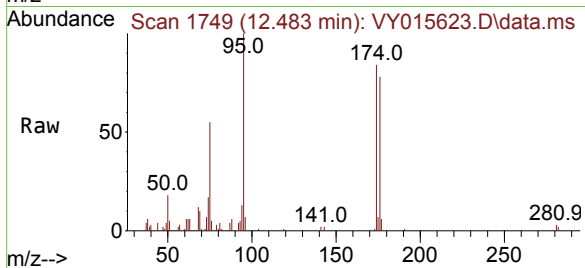




#62
4-Bromofluorobenzene
Concen: 45.599 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

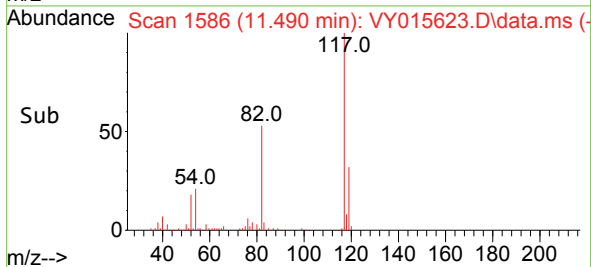
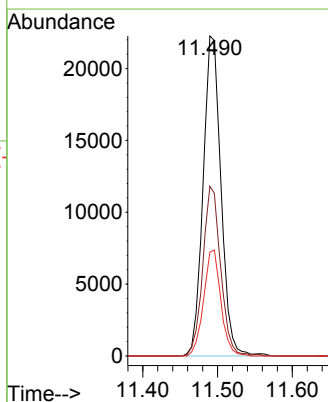
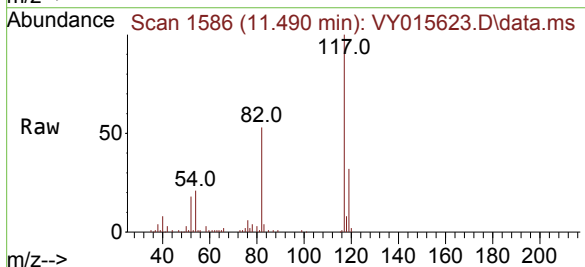
Instrument :
MSVOA_Y
ClientSampleId :

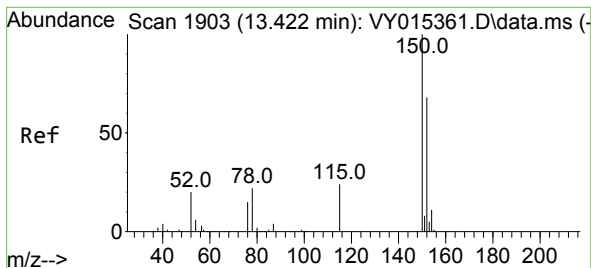
Tgt Ion: 95 Resp: 14793
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 81.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015623.D
Acq: 18 Sep 2023 18:33

Tgt Ion: 117 Resp: 37005
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.5 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: VY015623.D

Acq: 18 Sep 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

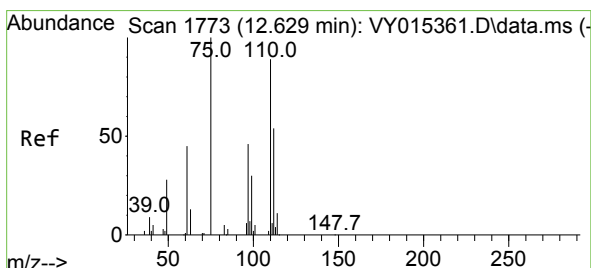
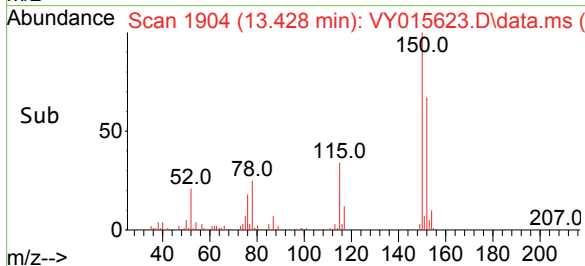
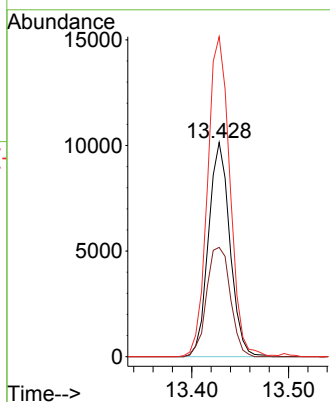
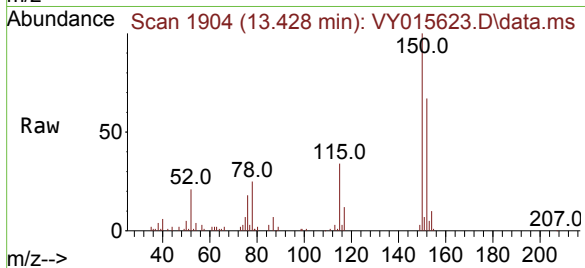
Tgt Ion:152 Resp: 15649

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 155.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.909 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015623.D

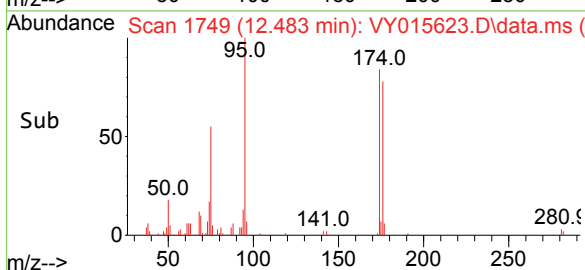
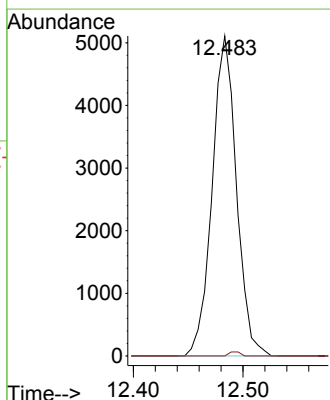
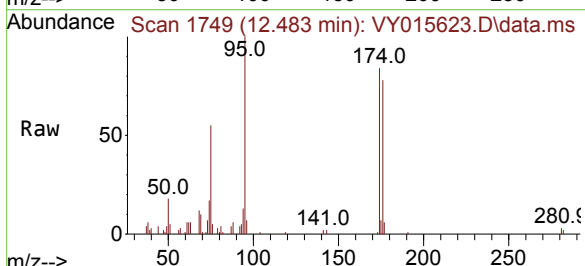
Acq: 18 Sep 2023 18:33

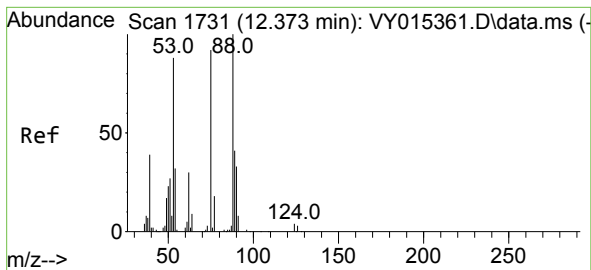
Tgt Ion: 75 Resp: 7867

Ion Ratio Lower Upper

75 100

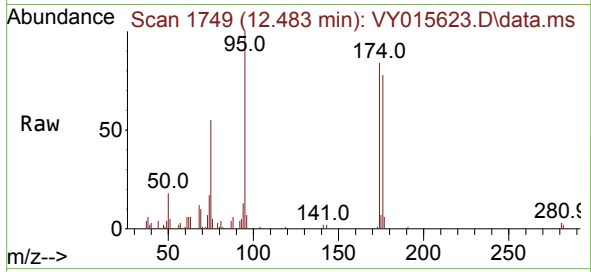
77 0.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.624 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015623.D
 Acq: 18 Sep 2023 18:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	7867
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

