

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015784.D
 Acq On : 02 Oct 2023 18:14
 Operator : SY/MD
 Sample : 04687-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:25:16 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)

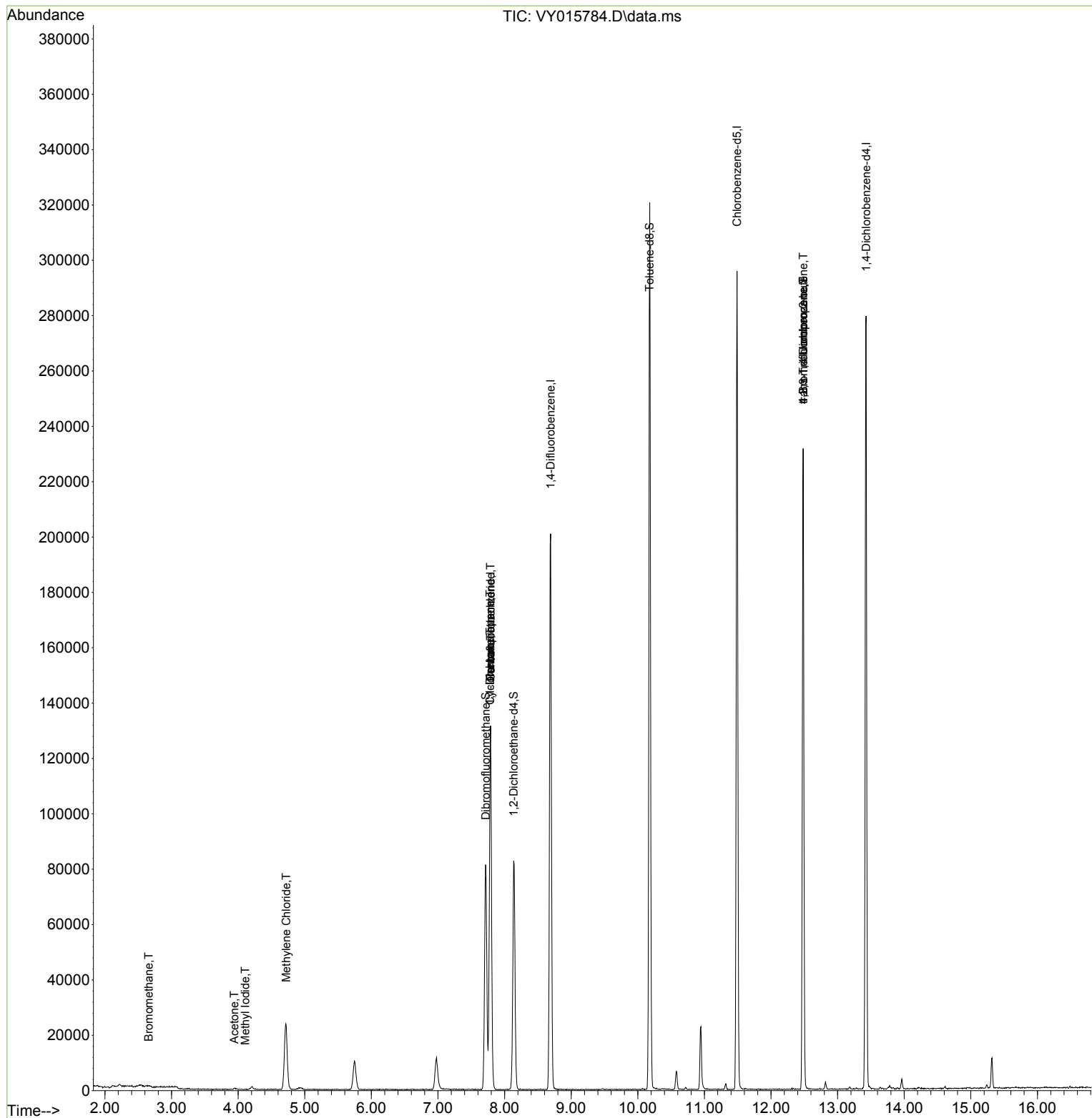
Internal Standards						
1) Pentafluorobenzene	7.789	168	100932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	63244	56.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.900%	
35) Dibromofluoromethane	7.716	113	57668	55.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.340%	
50) Toluene-d8	10.179	98	205686	58.035	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.080%	
62) 4-Bromofluorobenzene	12.483	95	68349	49.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.280%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	187	2.743	ug/l #	58
10) Methyl Iodide	4.107	142	20	2.745	ug/l #	38
11) Tert butyl alcohol	4.917	59	398	Below Cal	#	89
16) Acetone	3.942	43	833	1.402	ug/l	98
20) Methylene Chloride	4.722	84	18346	10.248	ug/l	88
31) Cyclohexane	7.783	56	2058	1.338	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	7844	5.075	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10403	6.201	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	36044	31.405	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36044	70.720	ug/l #	11

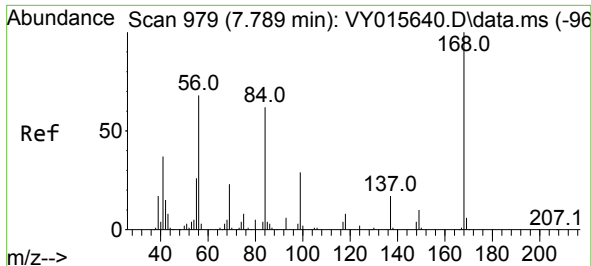
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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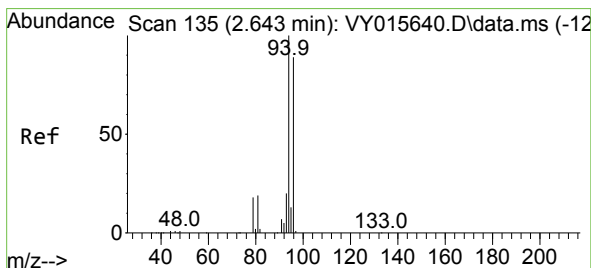
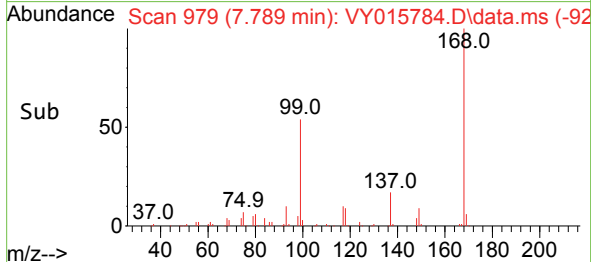
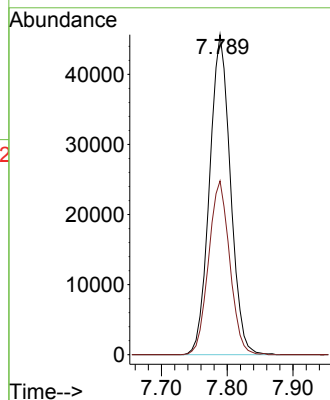
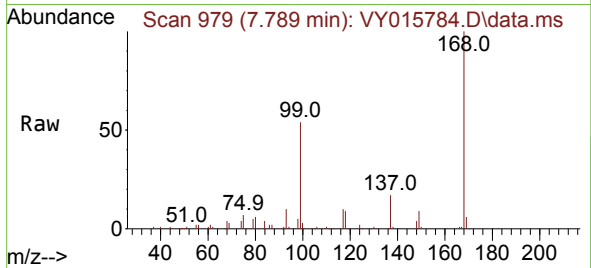




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

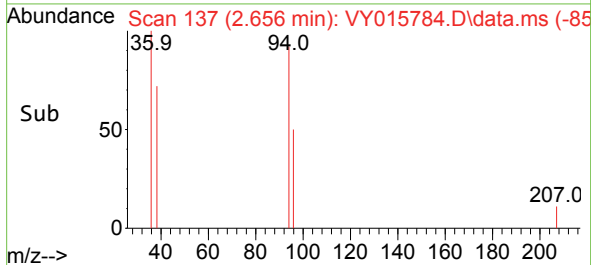
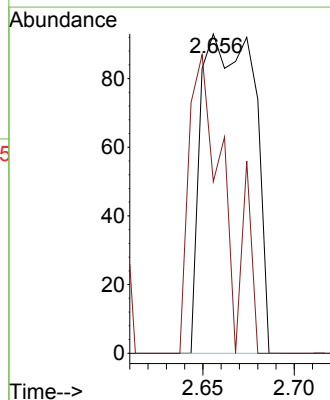
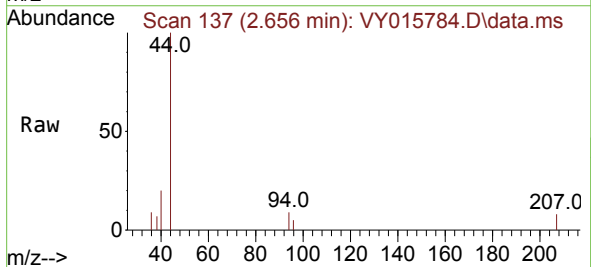
Instrument :
MSVOA_Y
ClientSampleId :

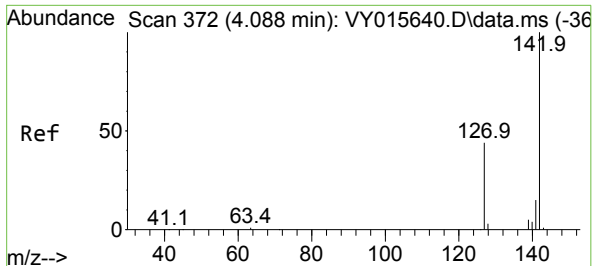
Tgt Ion:168 Resp: 100932
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#5
Bromomethane
Concen: 2.743 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

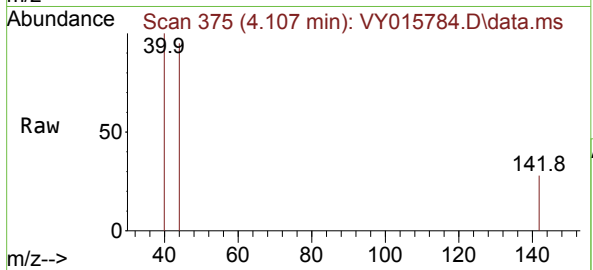
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 53.8 75.8 113.6#



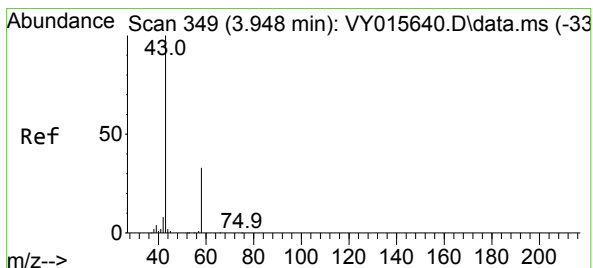
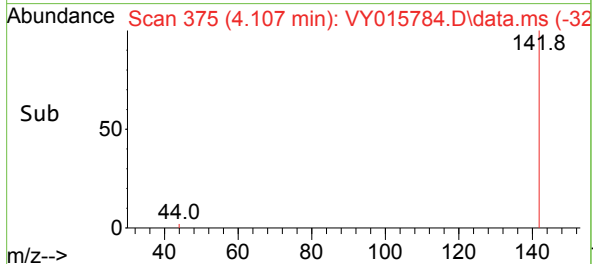
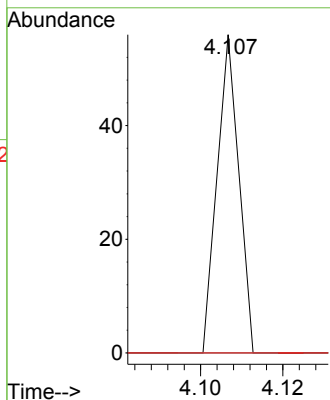


#10
Methyl Iodide
Concen: 2.745 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

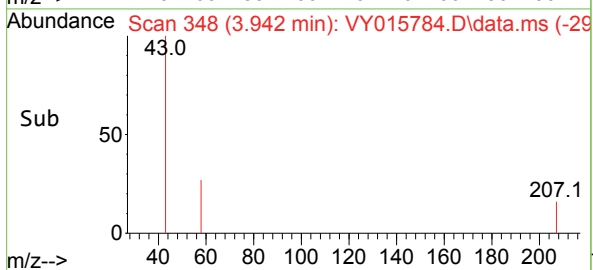
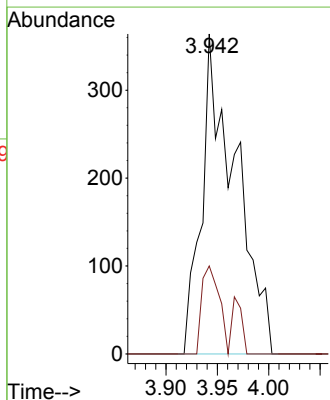
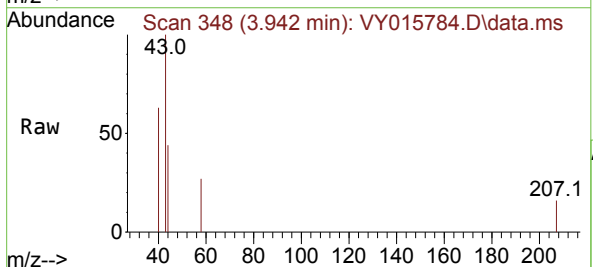


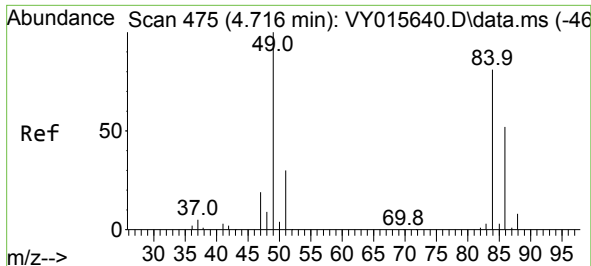
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.402 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

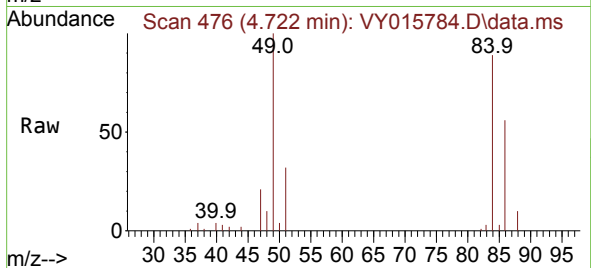
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 27.5 22.7 34.1





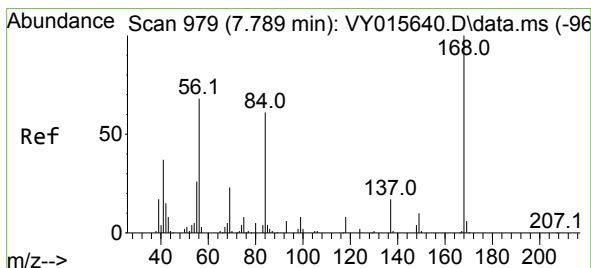
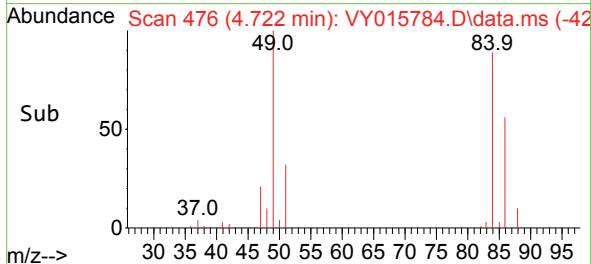
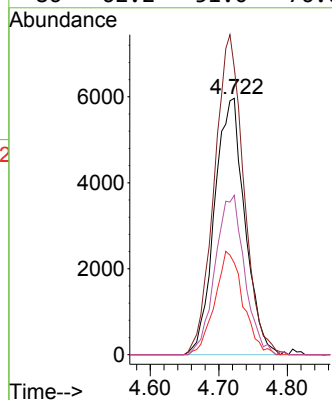
#20
Methylene Chloride
Concen: 10.248 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 18346

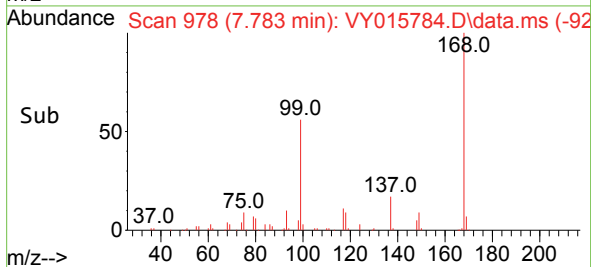
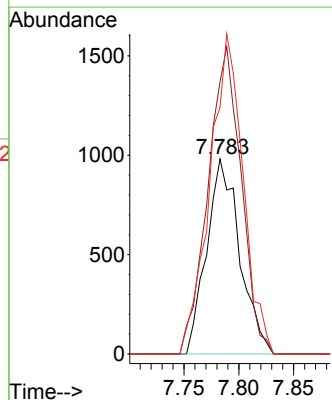
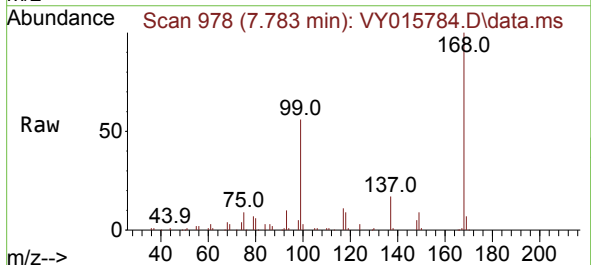
Ion	Ratio	Lower	Upper
84	100		
49	112.0	106.9	160.3
51	35.8	33.2	49.8
86	62.2	51.0	76.6

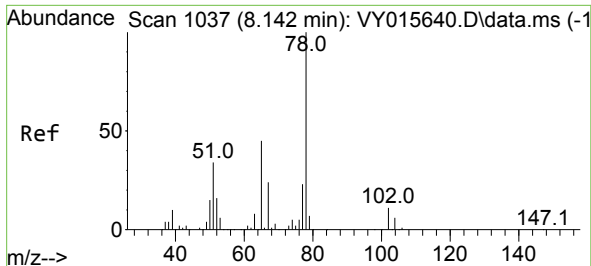


#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 56 Resp: 2058

Ion	Ratio	Lower	Upper
56	100		
69	139.6	27.8	41.6#
84	126.5	66.4	99.6#

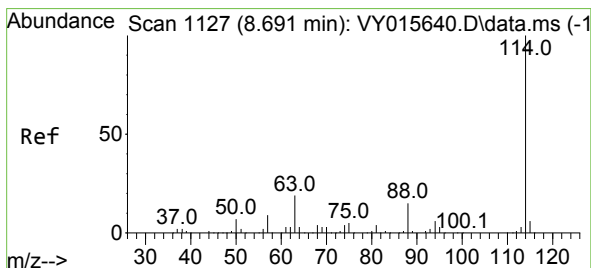
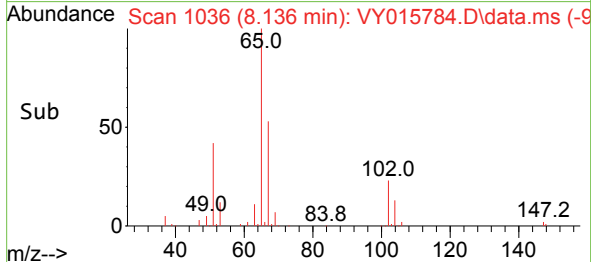
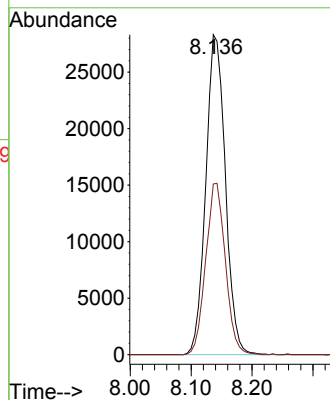
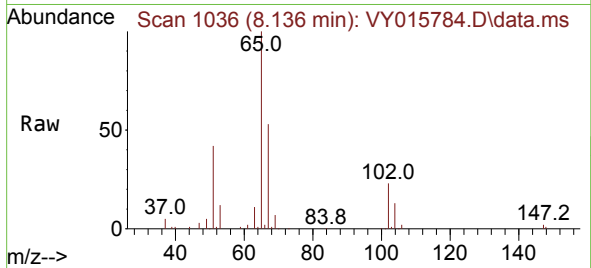




#33
 1,2-Dichloroethane-d4
 Concen: 56.949 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015784.D
 Acq: 02 Oct 2023 18:14

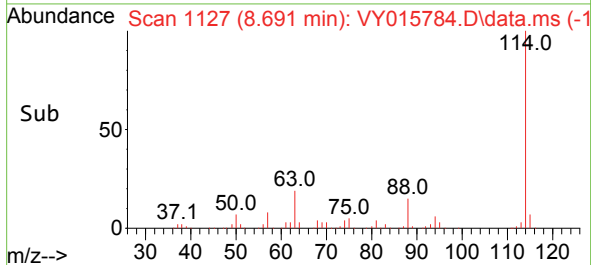
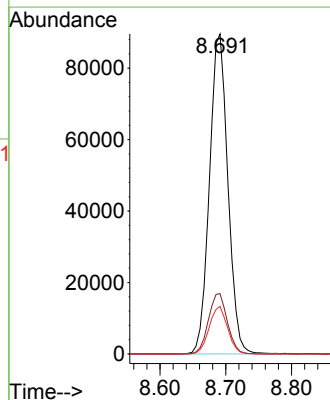
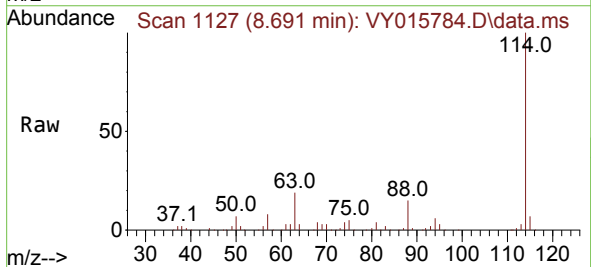
Instrument :
 MSVOA_Y
 ClientSampleId :

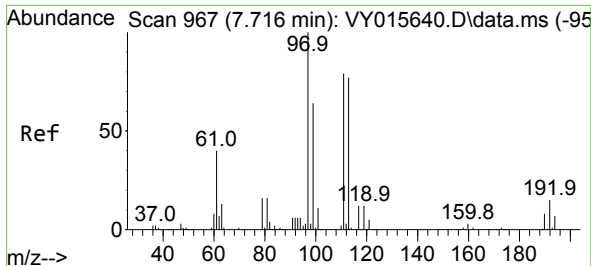
Tgt Ion: 65 Resp: 63244
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY015784.D
 Acq: 02 Oct 2023 18:14

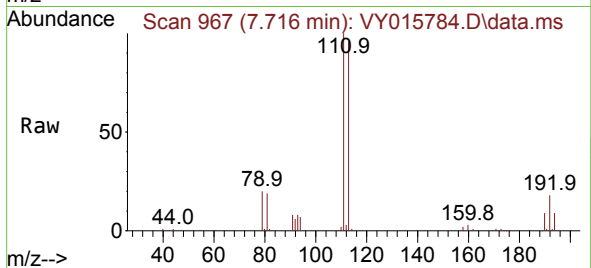
Tgt Ion: 114 Resp: 174639
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 14.8 0.0 30.6



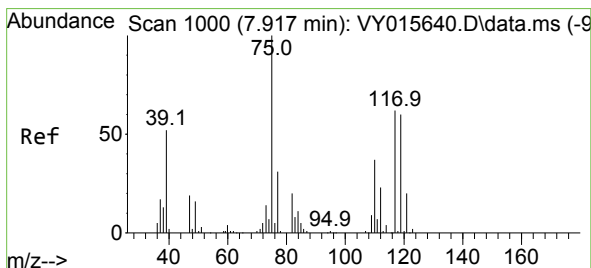
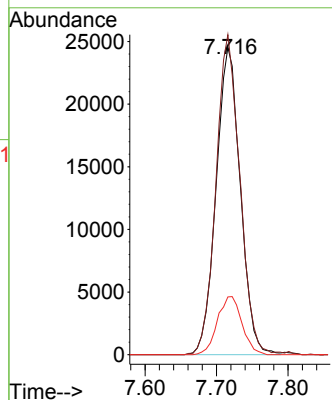
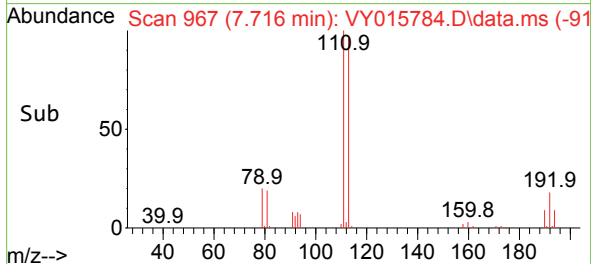


#35
Dibromofluoromethane
Concen: 55.170 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

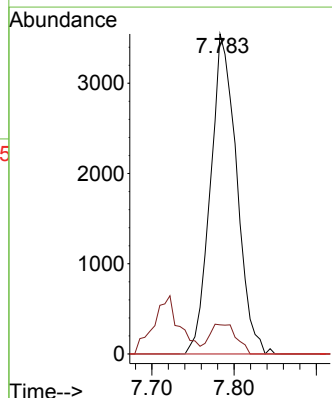
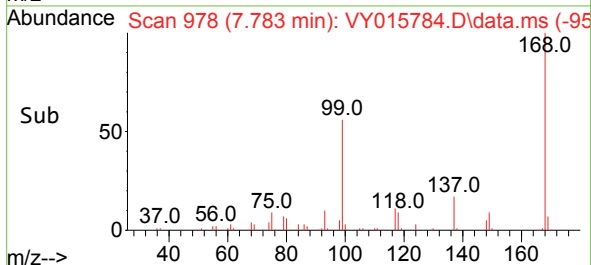
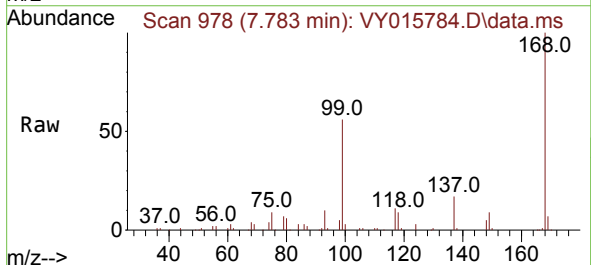


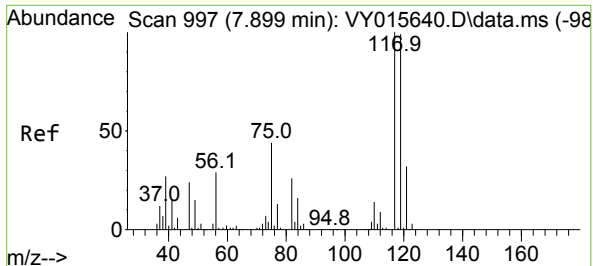
Tgt Ion:113 Resp: 57668
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

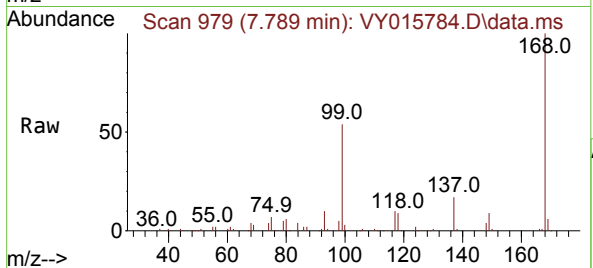
Tgt Ion: 75 Resp: 7844
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



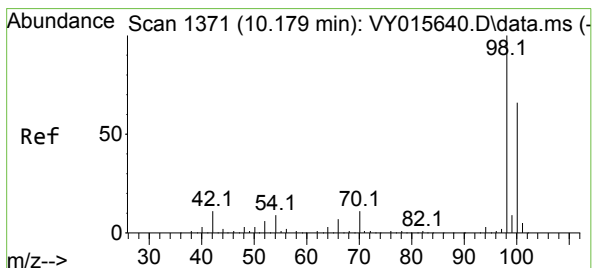
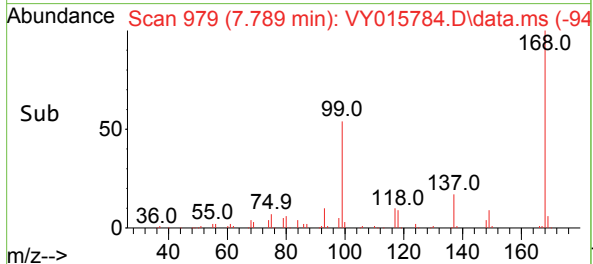
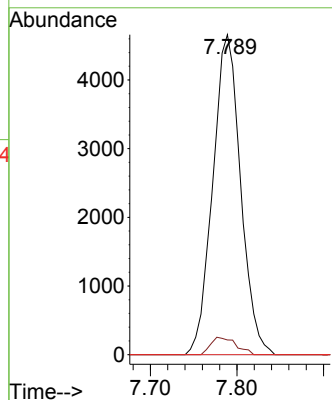


#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :

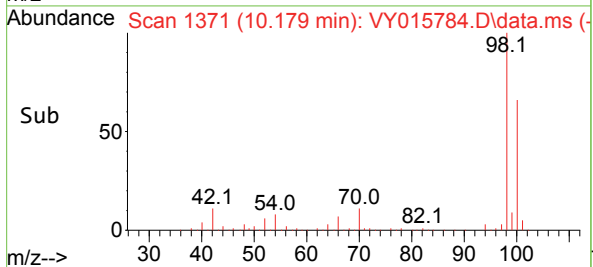
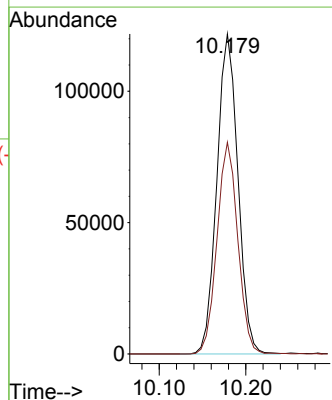
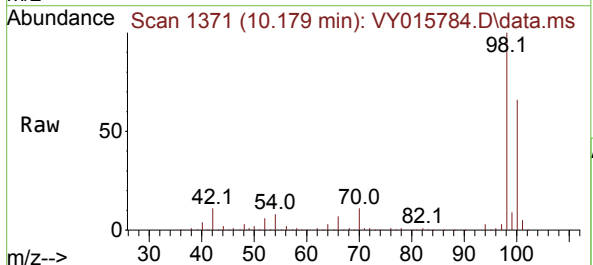


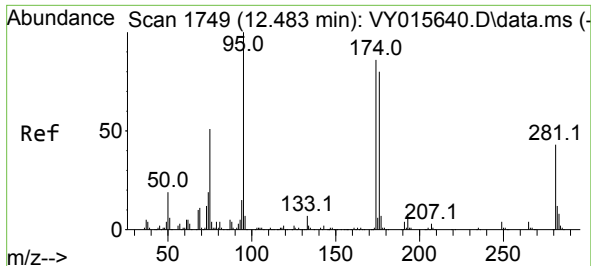
Tgt Ion:117 Resp: 10403
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.035 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 98 Resp: 205686
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

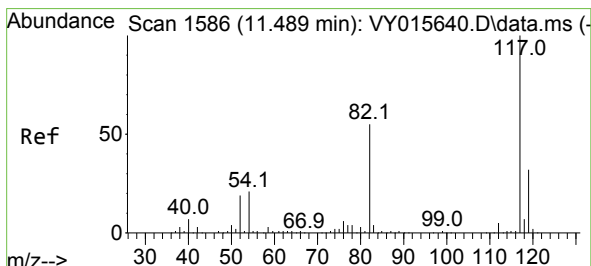
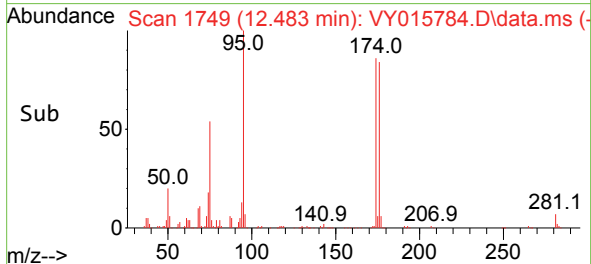
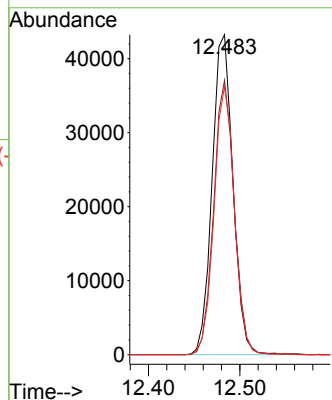
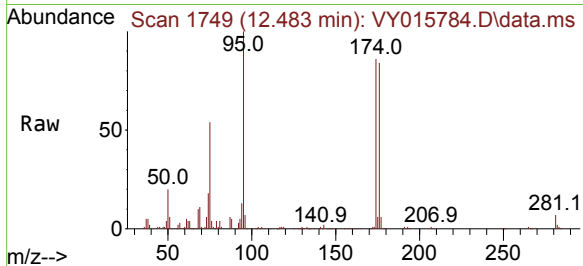




#62
4-Bromofluorobenzene
Concen: 49.142 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

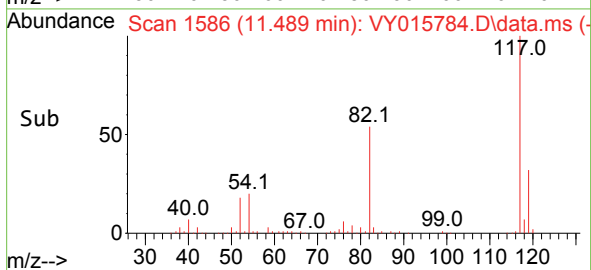
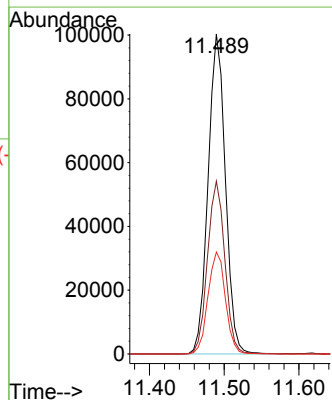
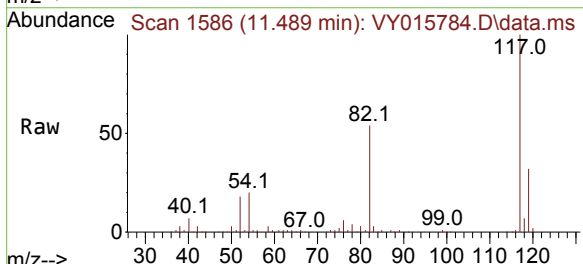
Instrument :
MSVOA_Y
ClientSampleId :

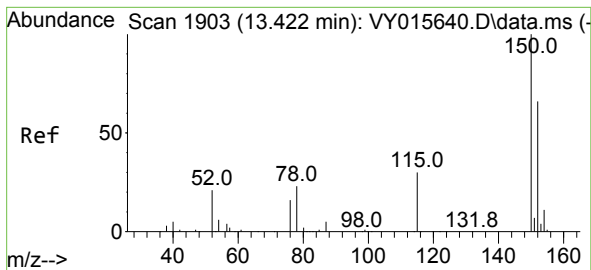
Tgt Ion: 95 Resp: 68349
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 117 Resp: 161174
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 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: VY015784.D

Acq: 02 Oct 2023 18:14

Instrument :

MSVOA_Y

ClientSampleId :

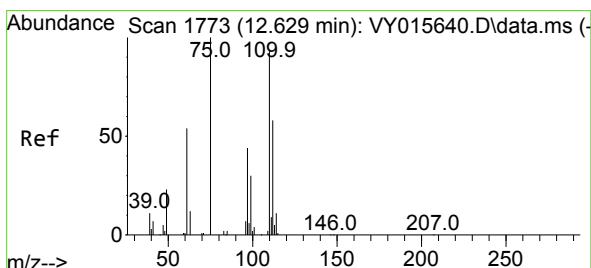
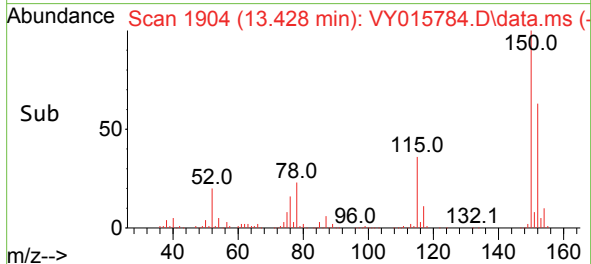
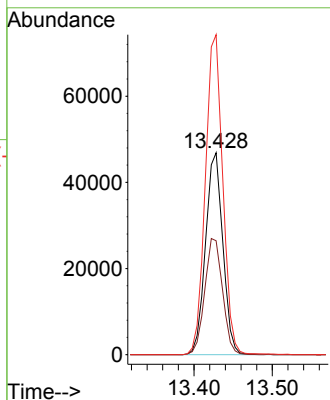
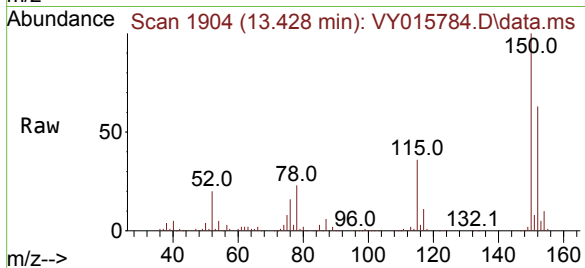
Tgt Ion:152 Resp: 71943

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 159.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.405 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015784.D

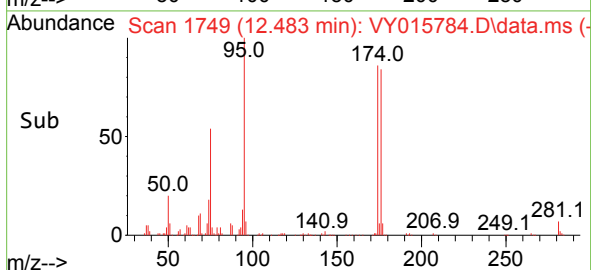
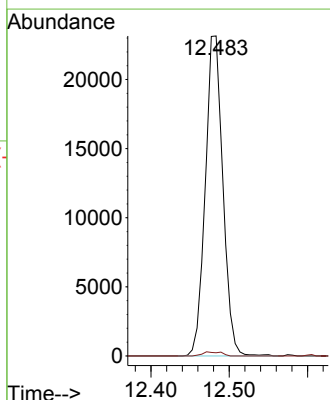
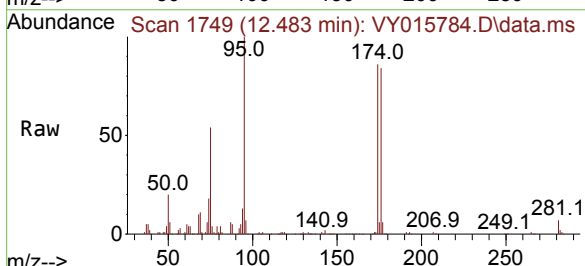
Acq: 02 Oct 2023 18:14

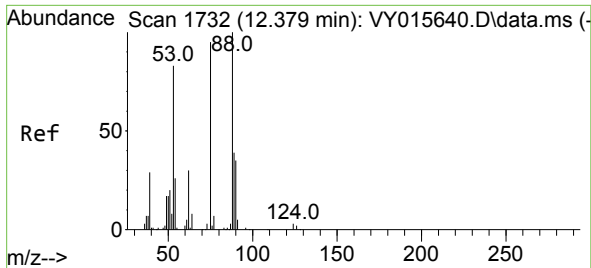
Tgt Ion: 75 Resp: 36044

Ion Ratio Lower Upper

75 100

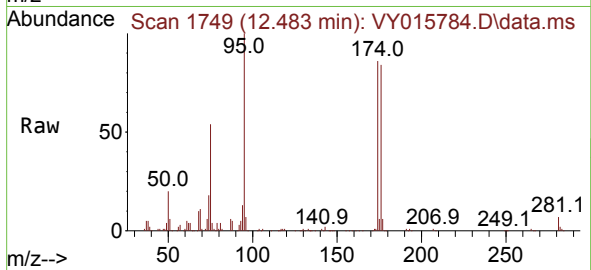
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.720 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015784.D
Acq: 02 Oct 2023 18:14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	36044
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

