

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015804.D
 Acq On : 03 Oct 2023 14:33
 Operator : SY/MD
 Sample : 04685-02RE
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:11:18 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)

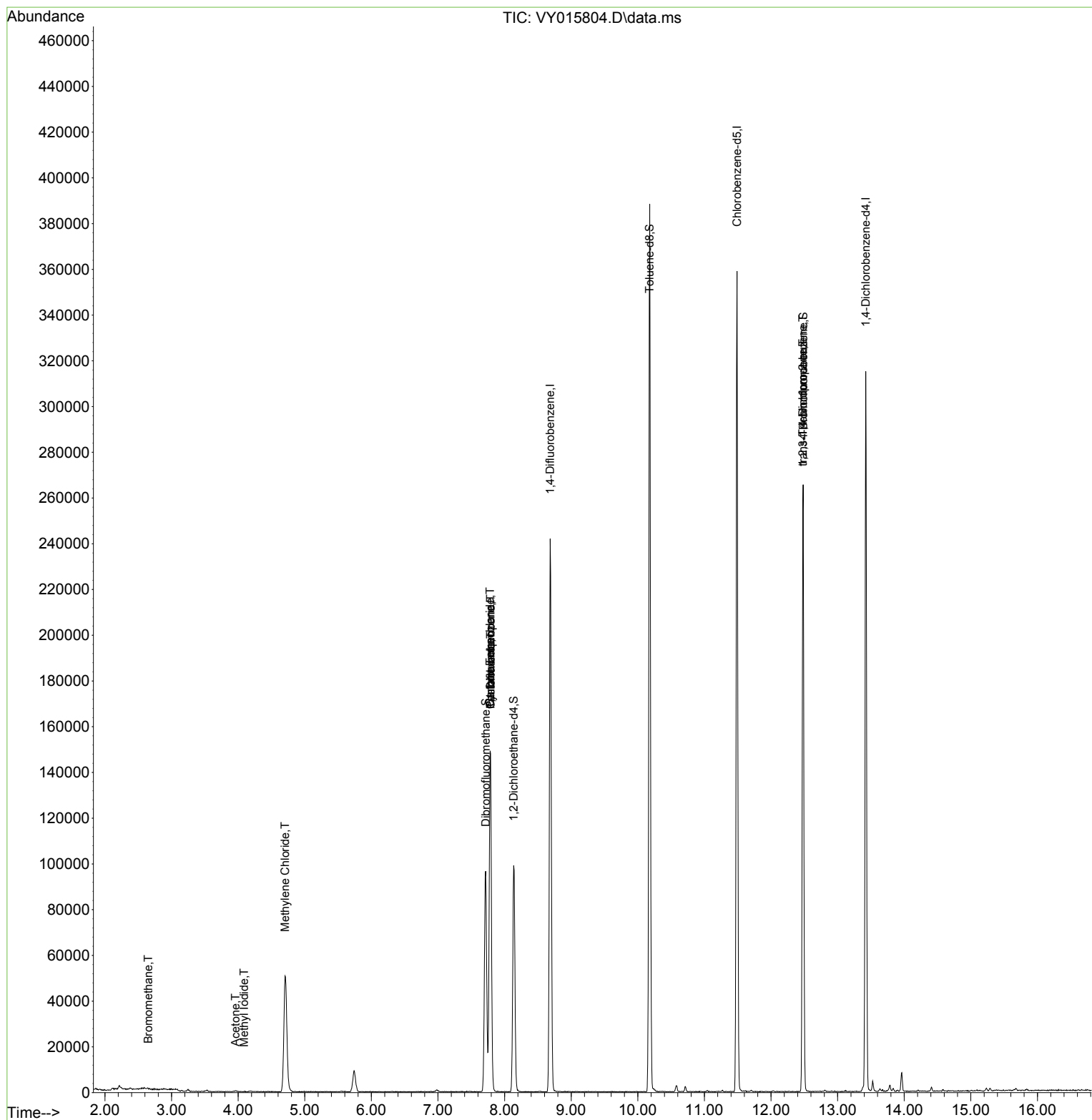
Internal Standards						
1) Pentafluorobenzene	7.789	168	119332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	211046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	192389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	81283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78423	59.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.460%	
35) Dibromofluoromethane	7.716	113	69141	54.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.480%	
50) Toluene-d8	10.179	98	247539	57.796	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.600%	
62) 4-Bromofluorobenzene	12.483	95	80250	47.745	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	25	2.578	ug/l #	2
10) Methyl Iodide	4.088	142	34	2.752	ug/l #	38
11) Tert butyl alcohol	4.960	59	45	Below Cal	#	89
16) Acetone	3.960	43	823	1.171	ug/l	97
20) Methylene Chloride	4.704	84	39734	23.230	ug/l	93
31) Cyclohexane	7.789	56	2567	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8881	4.755	ug/l #	51
38) Carbon Tetrachloride	7.783	117	11706	5.774	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	41865	32.285	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41865	72.703	ug/l #	10

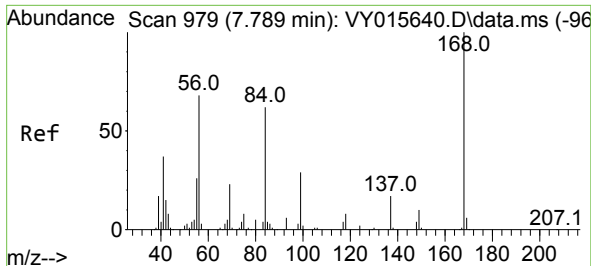
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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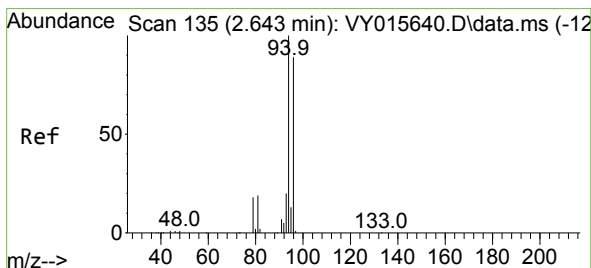
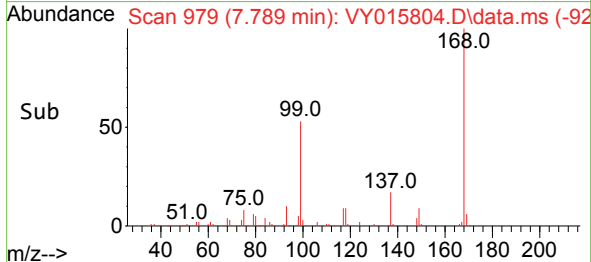
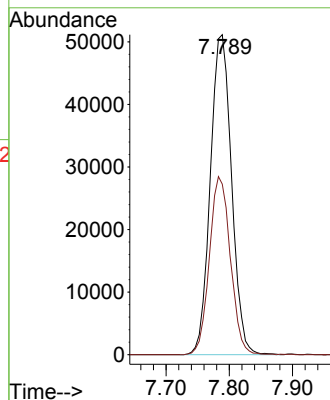
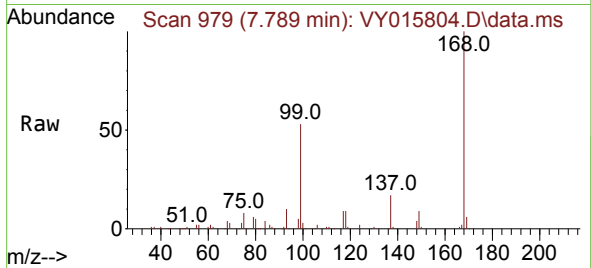




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

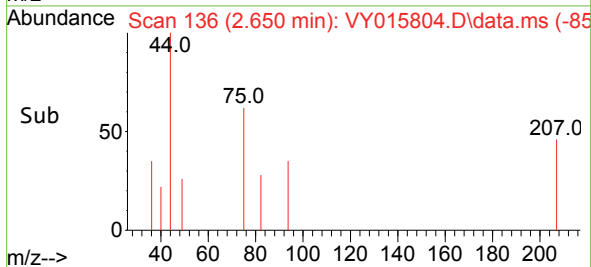
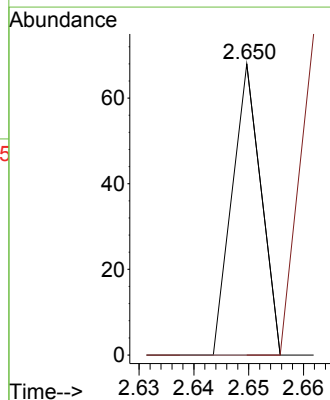
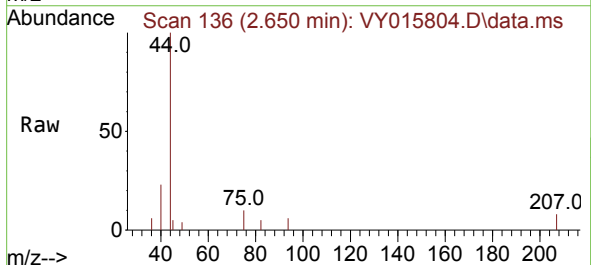
Instrument :
MSVOA_Y
ClientSampleId :

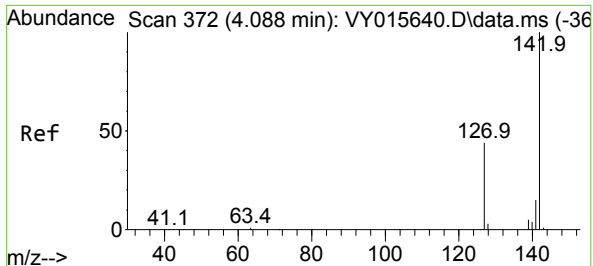
Tgt Ion:168 Resp: 119332
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#5
Bromomethane
Concen: 2.578 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

Tgt Ion: 94 Resp: 25
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#





#10

Methyl Iodide

Concen: 2.752 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.006 min

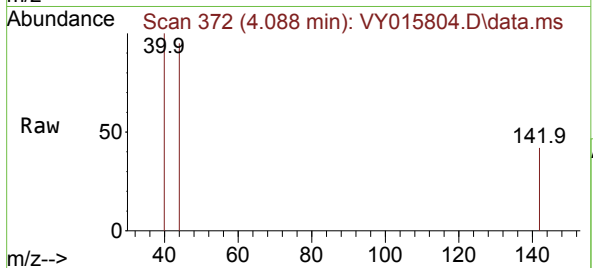
Lab File: VY015804.D

Acq: 03 Oct 2023 14:33

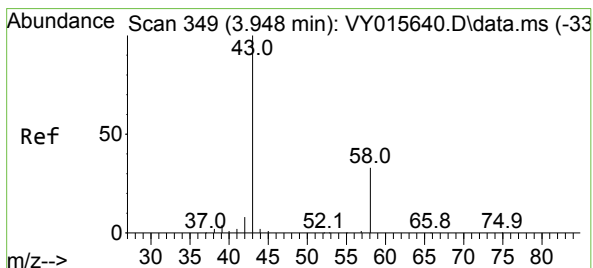
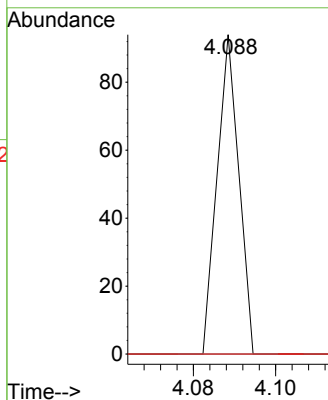
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	34
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.6	56.4#
141	0.0	11.8	17.8#



#16

Acetone

Concen: 1.171 ug/l

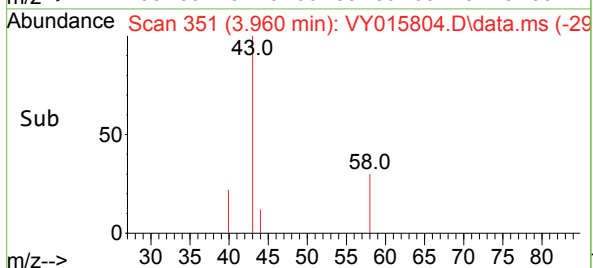
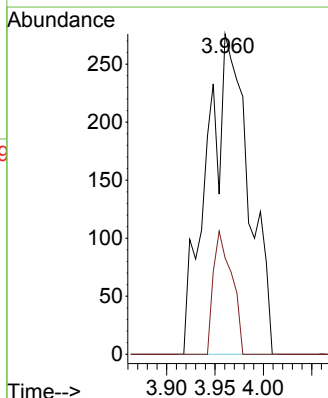
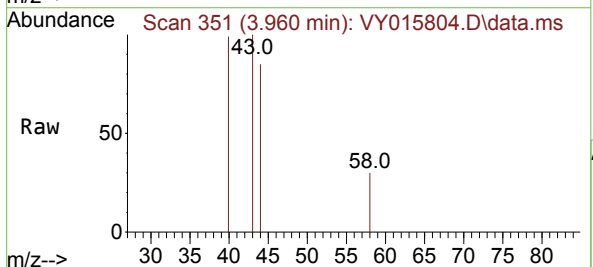
RT: 3.960 min Scan# 351

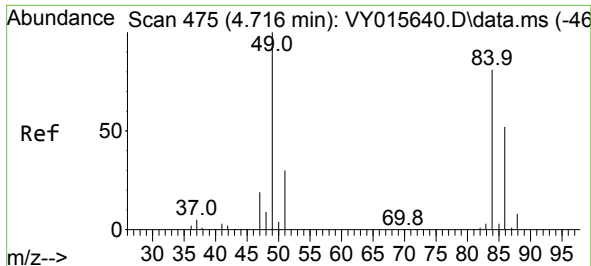
Delta R.T. 0.018 min

Lab File: VY015804.D

Acq: 03 Oct 2023 14:33

Tgt Ion:	43	Resp:	823
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.7	34.1





#20

Methylene Chloride

Concen: 23.230 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

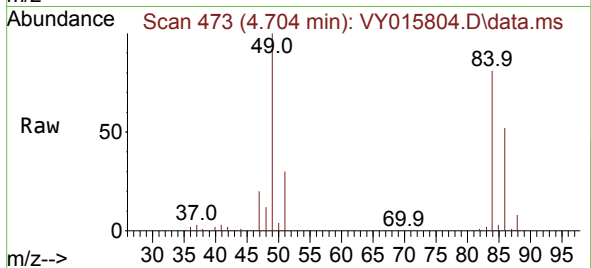
Lab File: VY015804.D

Acq: 03 Oct 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 39734

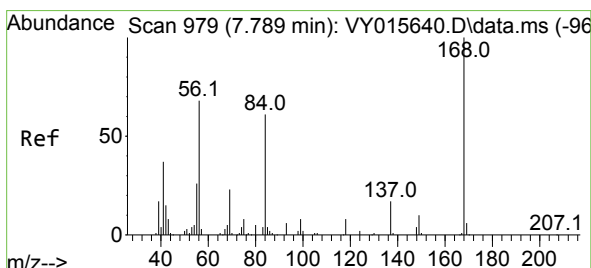
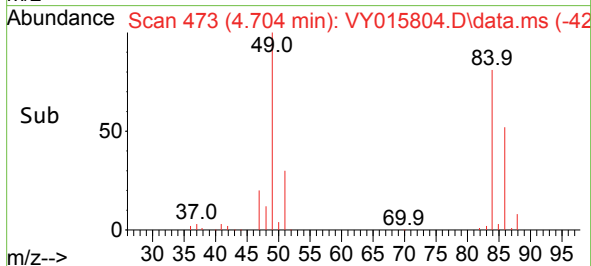
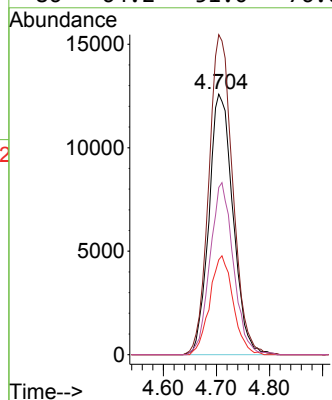
Ion Ratio Lower Upper

84 100

49 122.8 106.9 160.3

51 36.4 33.2 49.8

86 64.2 51.0 76.6



#31

Cyclohexane

Concen: 1.411 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015804.D

Acq: 03 Oct 2023 14:33

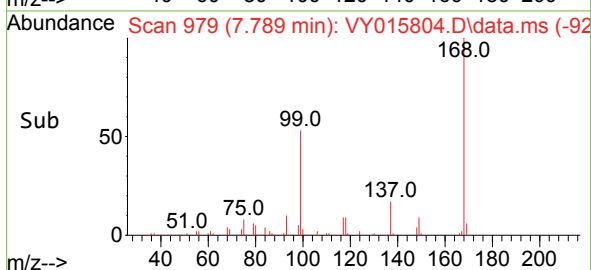
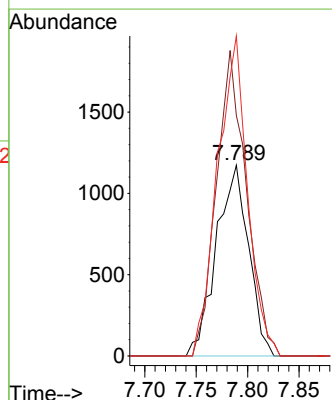
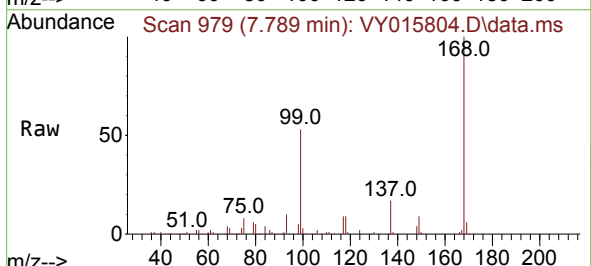
Tgt Ion: 56 Resp: 2567

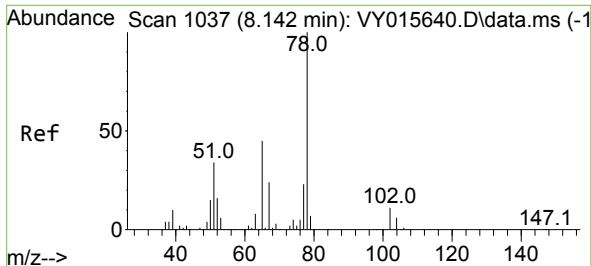
Ion Ratio Lower Upper

56 100

69 126.1 27.8 41.6#

84 167.8 66.4 99.6#

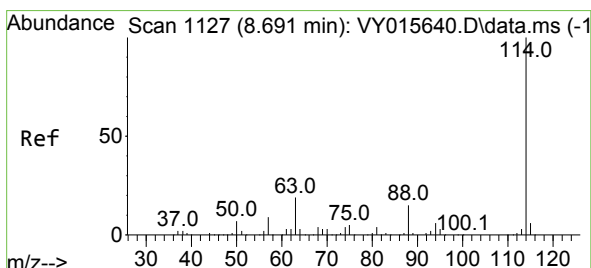
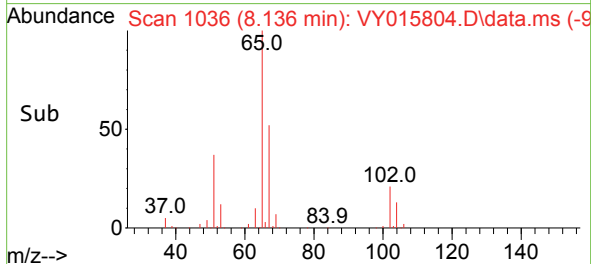
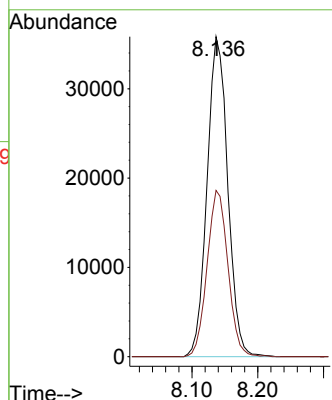
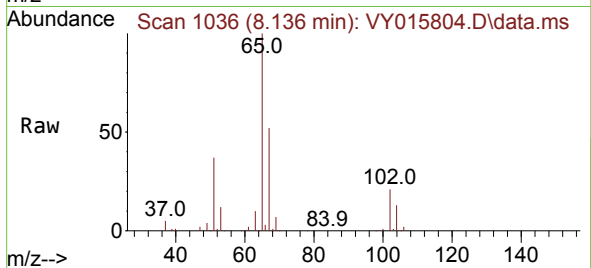




#33
1,2-Dichloroethane-d4
Concen: 59.729 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

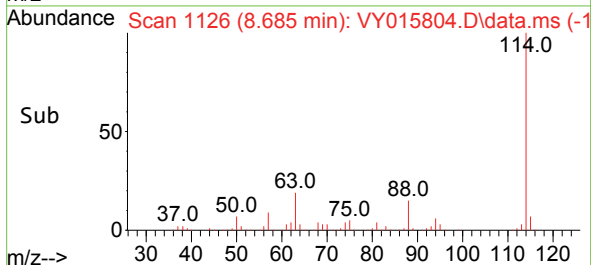
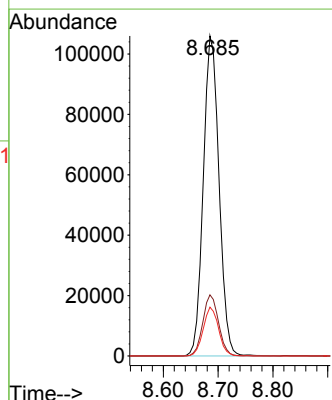
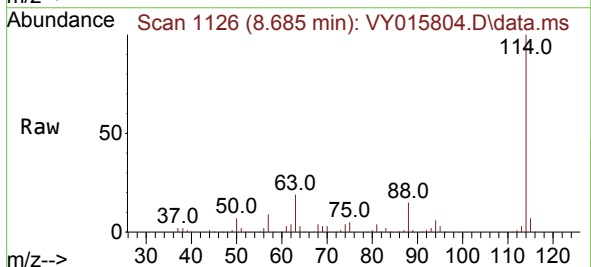
Instrument :
MSVOA_Y
ClientSampleId :

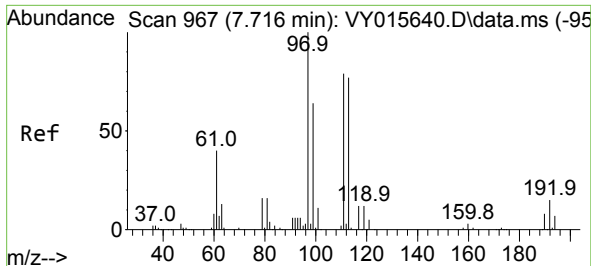
Tgt Ion: 65 Resp: 78423
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

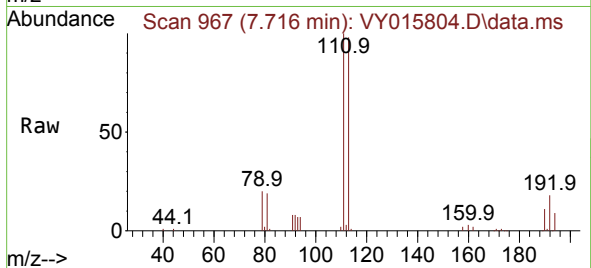
Tgt Ion:114 Resp: 211046
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 15.2 0.0 30.6



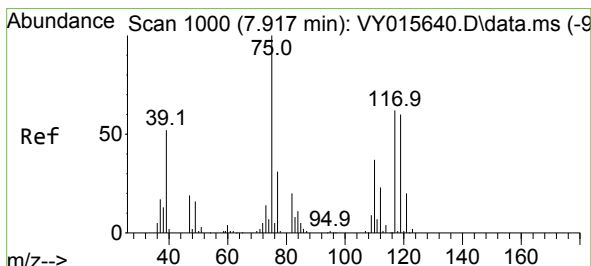
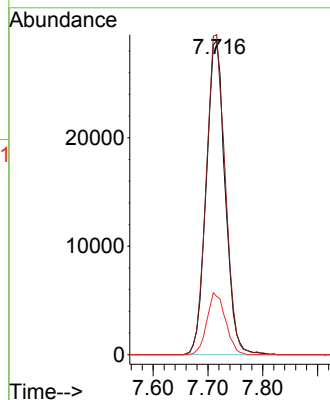
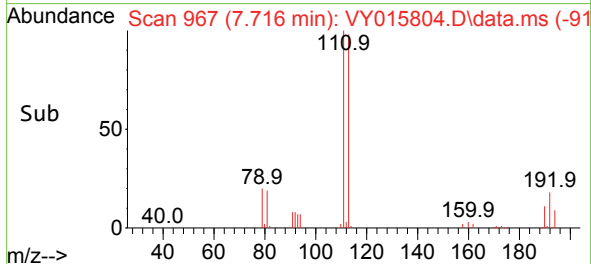


#35
Dibromofluoromethane
Concen: 54.736 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

Instrument :
MSVOA_Y
ClientSampleId :

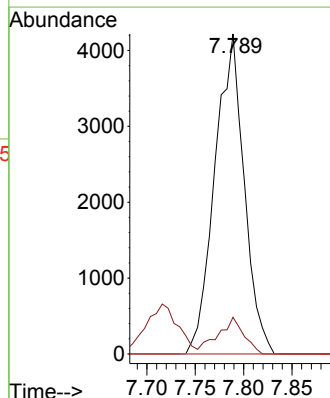
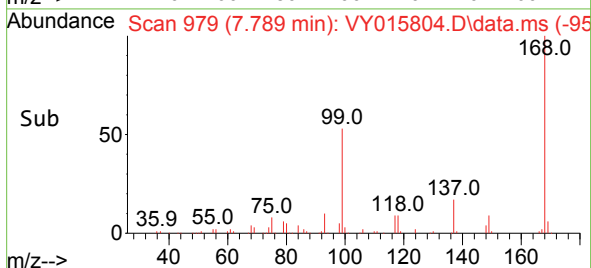
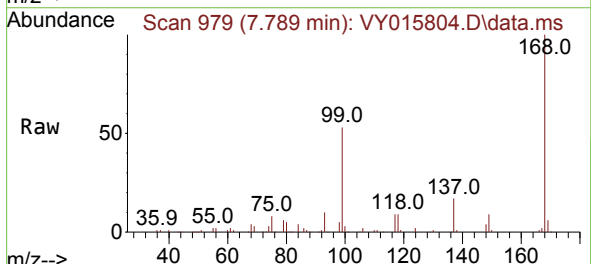


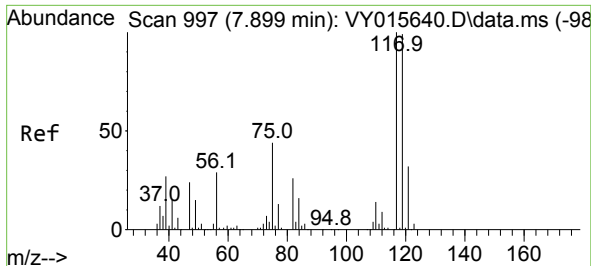
Tgt Ion:113 Resp: 69141
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

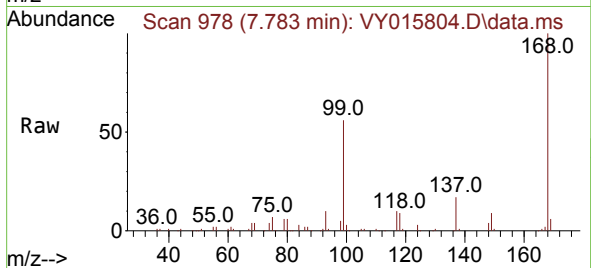
Tgt Ion: 75 Resp: 8881
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



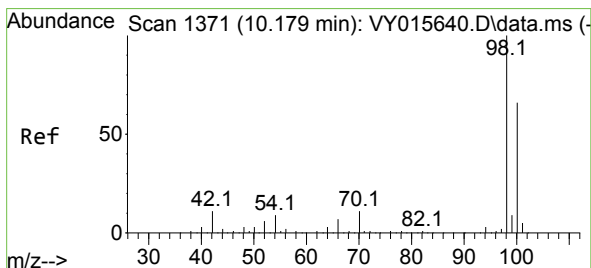
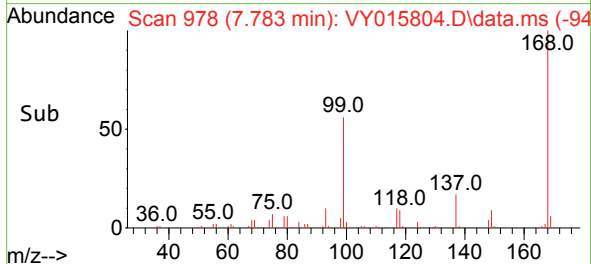
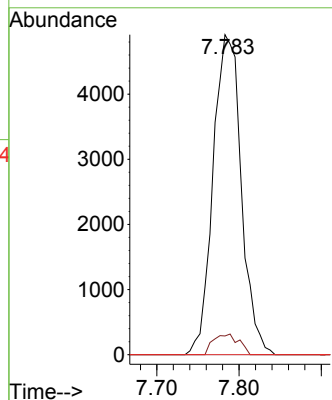


#38
Carbon Tetrachloride
Concen: 5.774 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

Instrument :
MSVOA_Y
ClientSampleId :

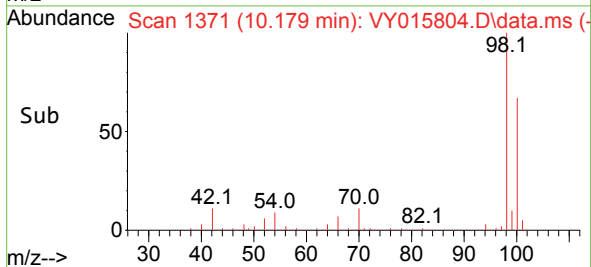
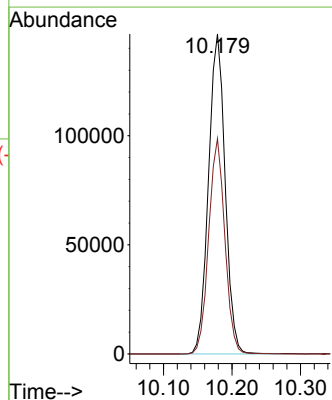
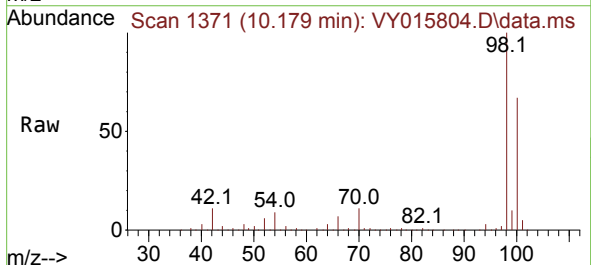


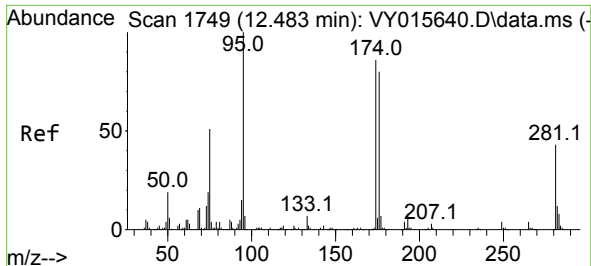
Tgt Ion:117 Resp: 11706
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.796 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

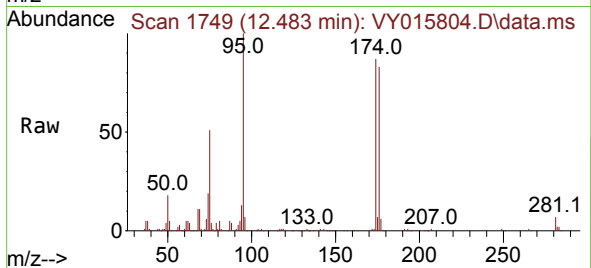
Tgt Ion: 98 Resp: 247539
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



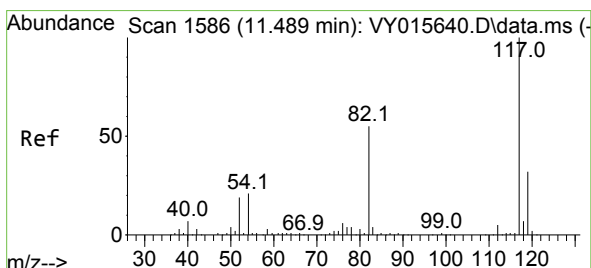
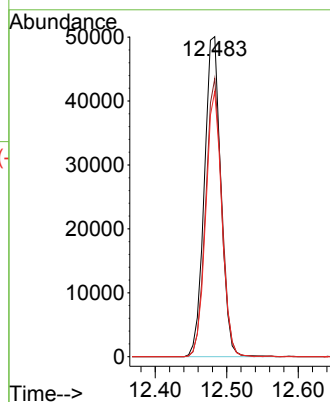
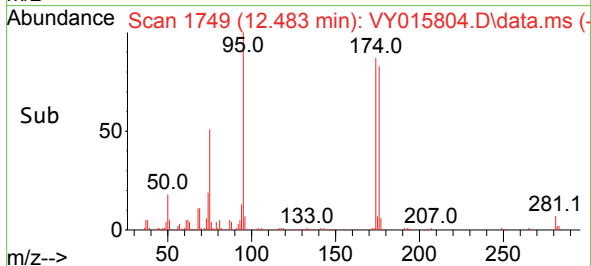


#62
4-Bromofluorobenzene
Concen: 47.745 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

Instrument :
MSVOA_Y
ClientSampleId :

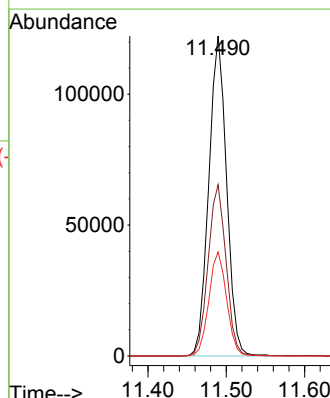
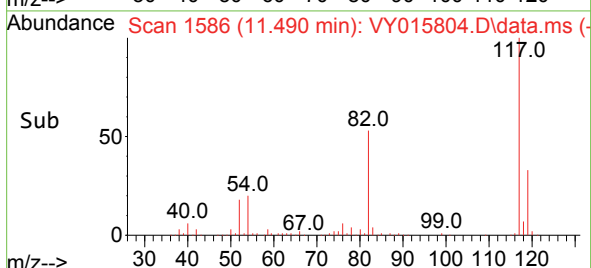
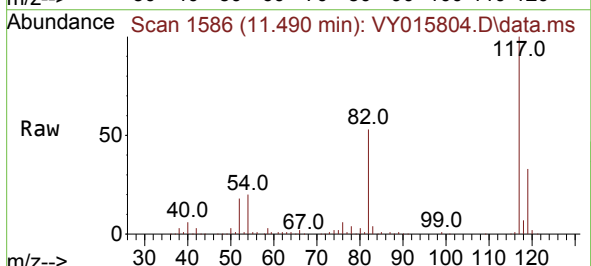


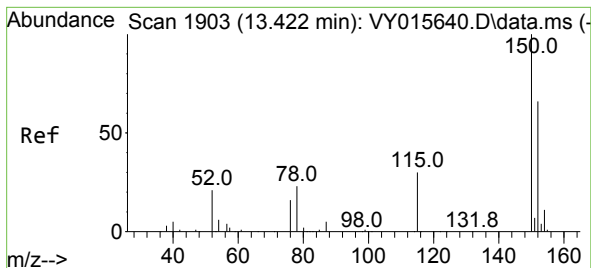
Tgt Ion: 95 Resp: 80250
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 80.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015804.D
Acq: 03 Oct 2023 14:33

Tgt Ion: 117 Resp: 192389
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.5 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: VY015804.D

Acq: 03 Oct 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

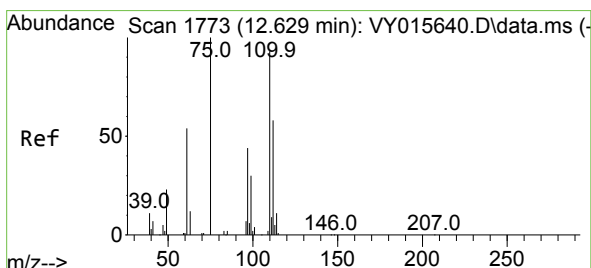
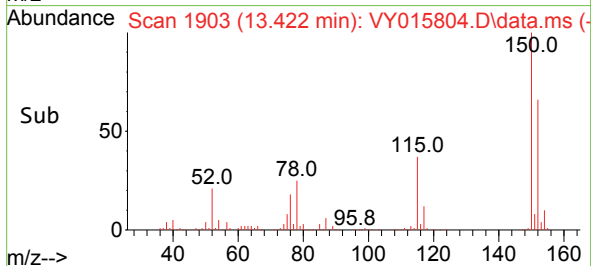
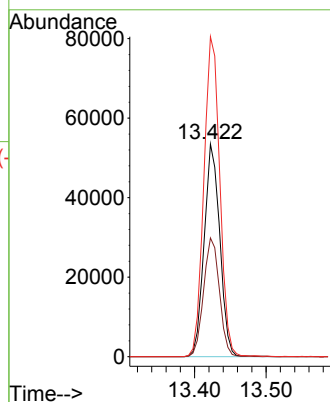
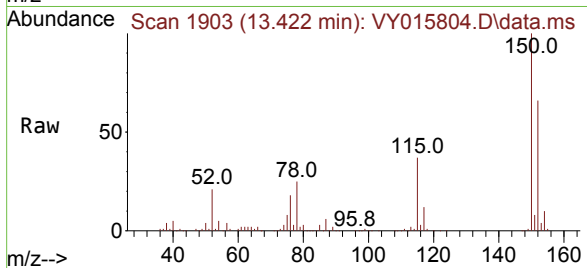
Tgt Ion:152 Resp: 81283

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 153.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.285 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015804.D

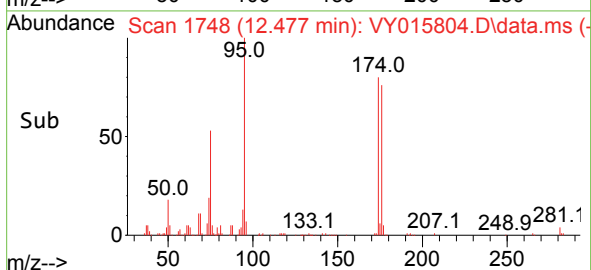
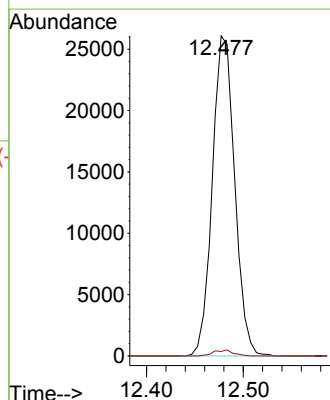
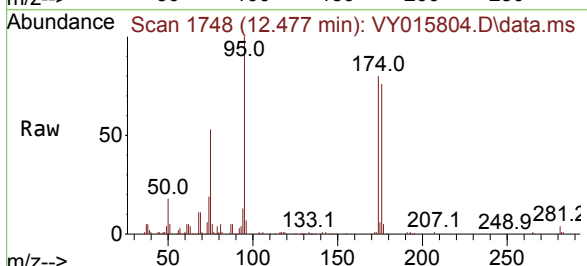
Acq: 03 Oct 2023 14:33

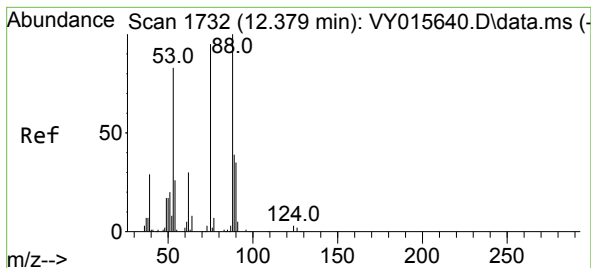
Tgt Ion: 75 Resp: 41865

Ion Ratio Lower Upper

75 100

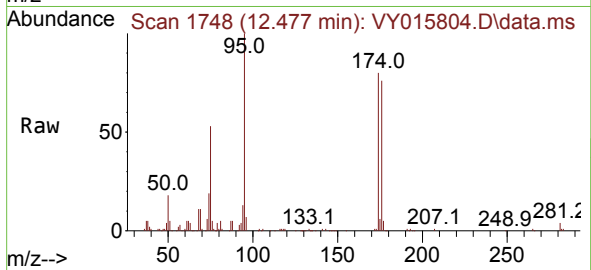
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.703 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015804.D
 Acq: 03 Oct 2023 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :



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

