

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015808.D
 Acq On : 03 Oct 2023 16:07
 Operator : SY/MD
 Sample : 04685-10
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:12:34 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	7.783	168	135493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	236126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	221770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103837	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	87834	58.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.840%
35) Dibromofluoromethane	7.710	113	74947	53.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.060%
50) Toluene-d8	10.179	98	285134	59.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	119.000%
62) 4-Bromofluorobenzene	12.477	95	99869	53.107	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.220%

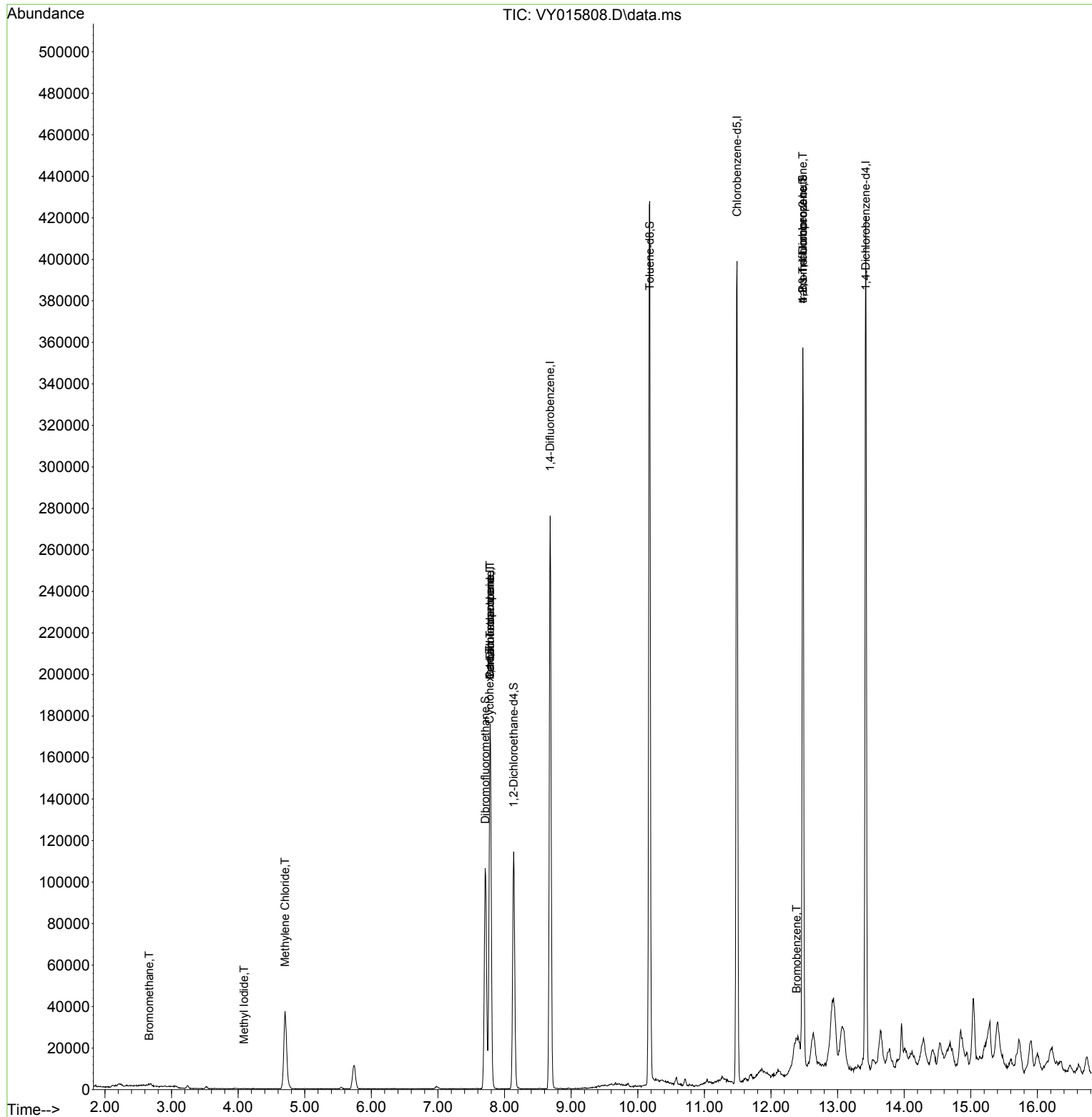
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	158	2.674	ug/l	# 65
10) Methyl Iodide	4.088	142	61	2.765	ug/l	# 38
11) Tert butyl alcohol	4.942	59	25	Below Cal		# 89
20) Methylene Chloride	4.704	84	27064	11.791	ug/l	91
31) Cyclohexane	7.777	56	2820	1.365	ug/l	# 5
36) 1,1-Dichloropropene	7.783	75	10375	4.965	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	13608	5.999	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	52573	31.737	ug/l	# 100
77) Bromobenzene	12.386	156	29718	15.542	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.477	75	52573	71.468	ug/l	# 11

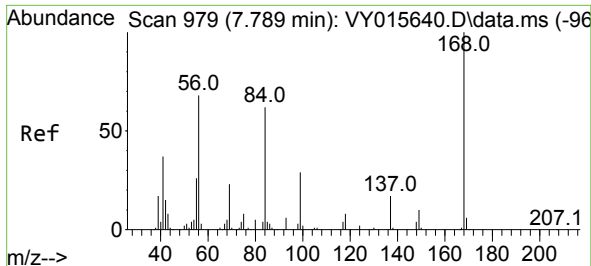
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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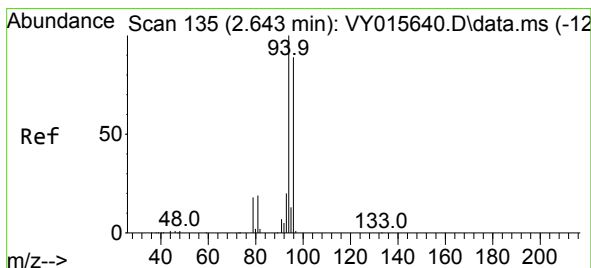
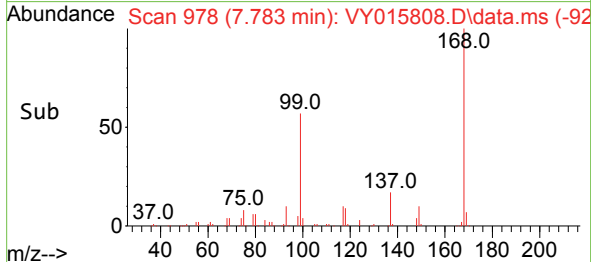
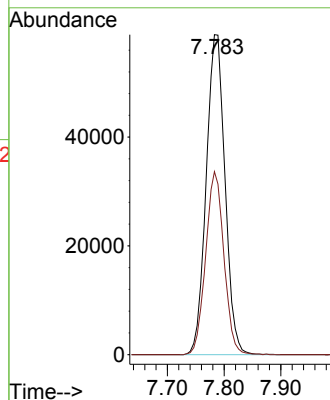
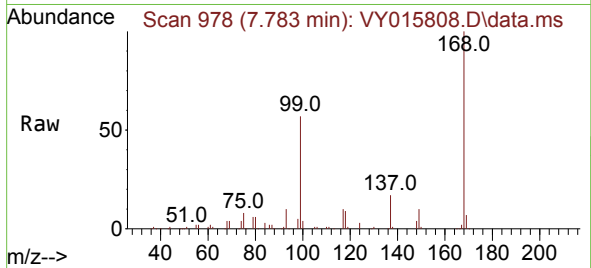




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

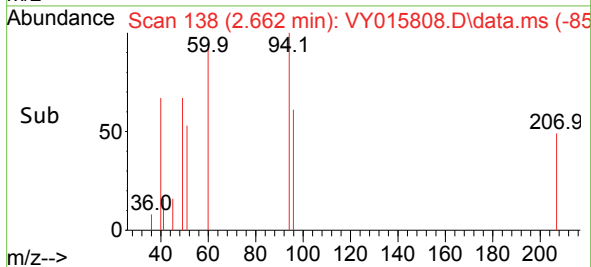
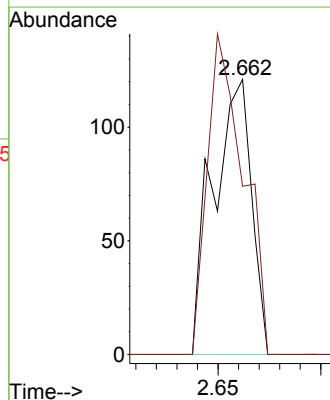
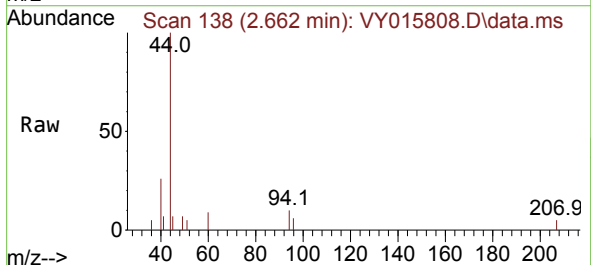
Instrument :
MSVOA_Y
ClientSampleId :

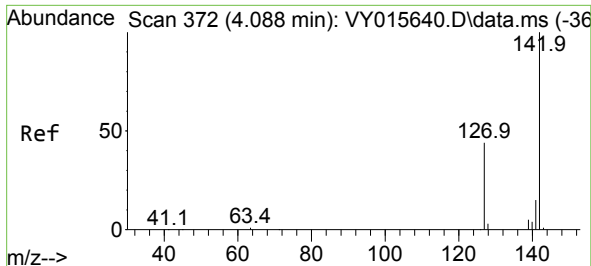
Tgt Ion:168 Resp: 135493
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#5
Bromomethane
Concen: 2.674 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

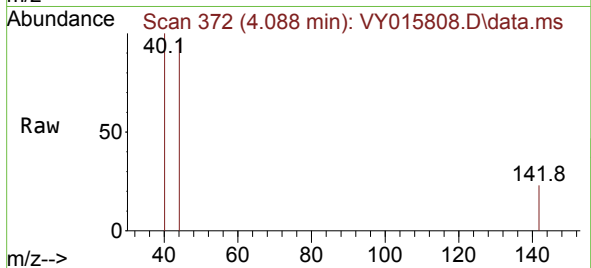
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 61.2 75.8 113.6#



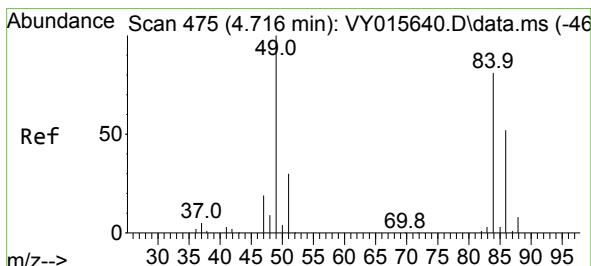
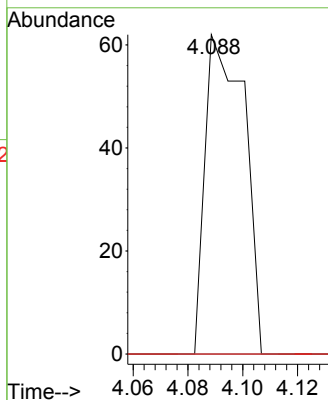
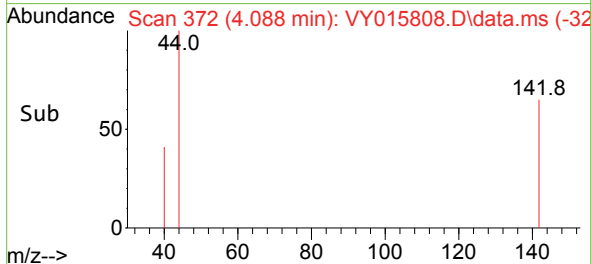


#10
Methyl Iodide
Concen: 2.765 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

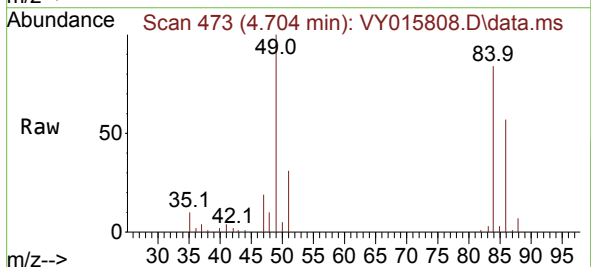
Instrument :
MSVOA_Y
ClientSampleId :



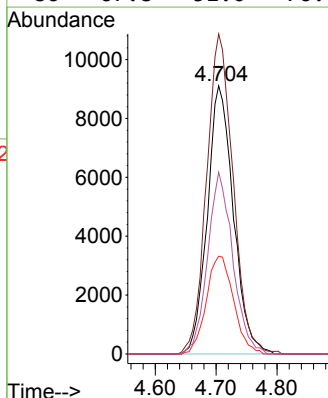
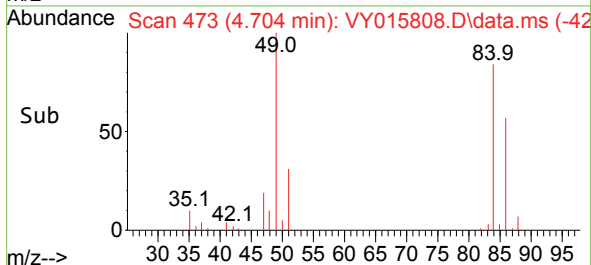
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

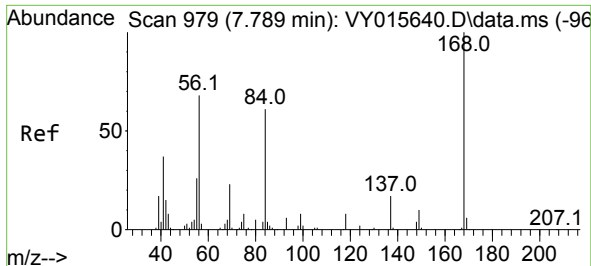


#20
Methylene Chloride
Concen: 11.791 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07



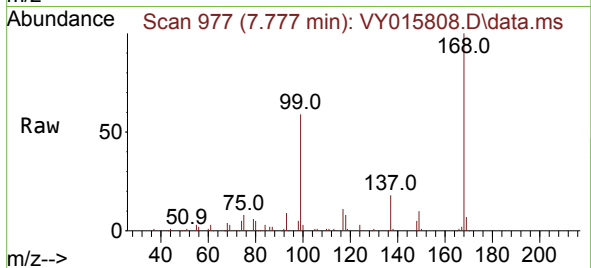
Tgt Ion: 84 Resp: 27064
Ion Ratio Lower Upper
84 100
49 119.3 106.9 160.3
51 36.5 33.2 49.8
86 67.8 51.0 76.6



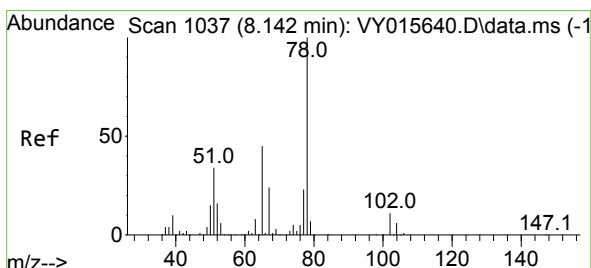
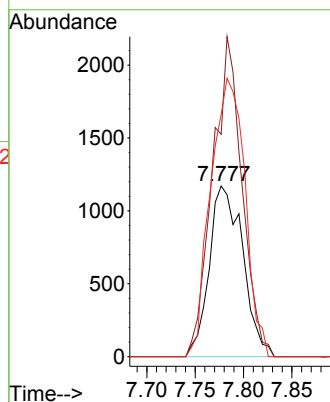
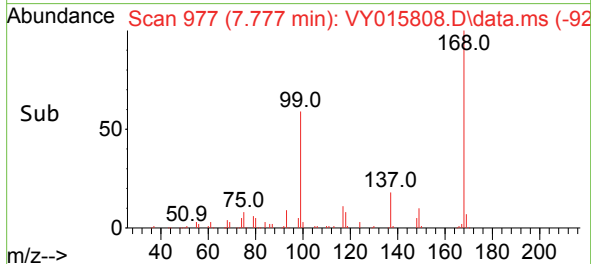


#31
Cyclohexane
Concen: 1.365 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :

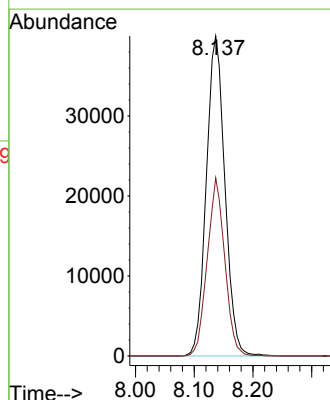
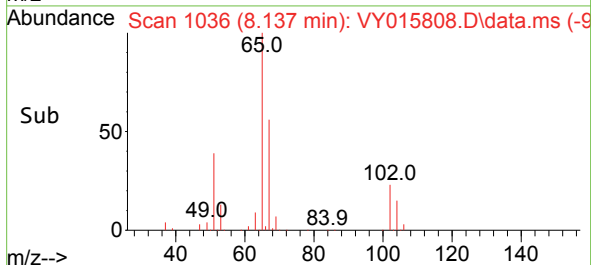
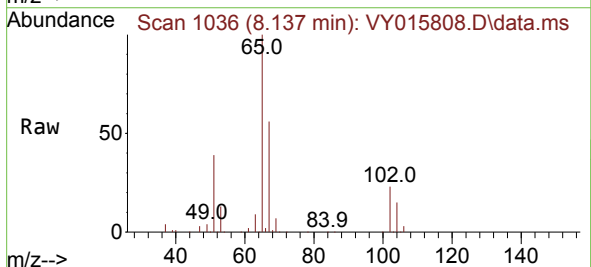


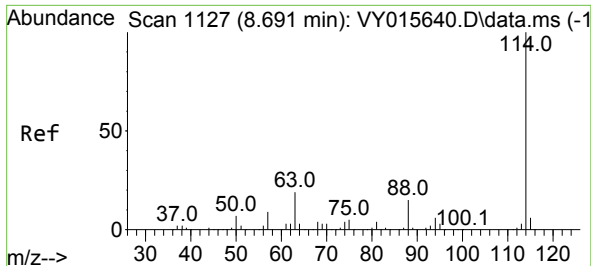
Tgt Ion: 56 Resp: 2820
Ion Ratio Lower Upper
56 100
69 130.2 27.8 41.6#
84 141.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.917 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

Tgt Ion: 65 Resp: 87834
Ion Ratio Lower Upper
65 100
67 52.6 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: VY015808.D

Acq: 03 Oct 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

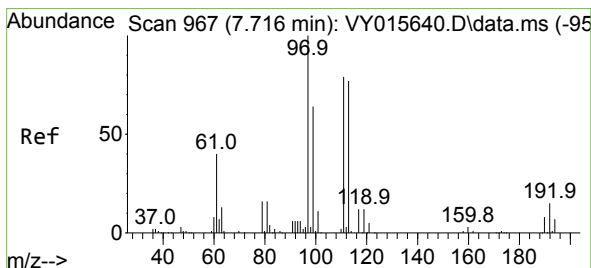
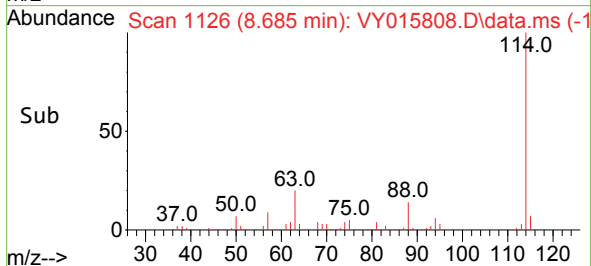
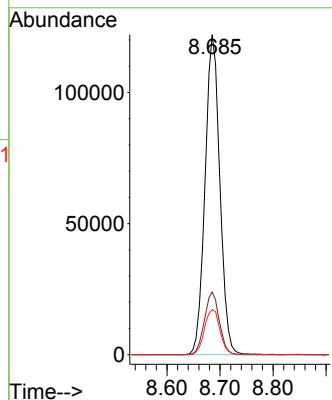
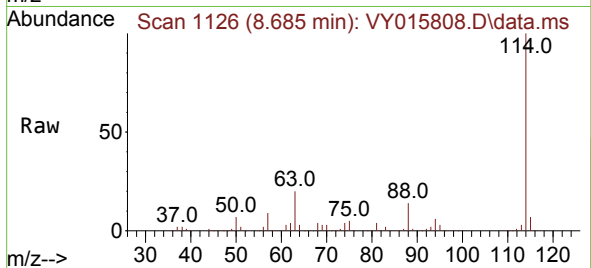
Tgt Ion:114 Resp: 236126

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.030 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015808.D

Acq: 03 Oct 2023 16:07

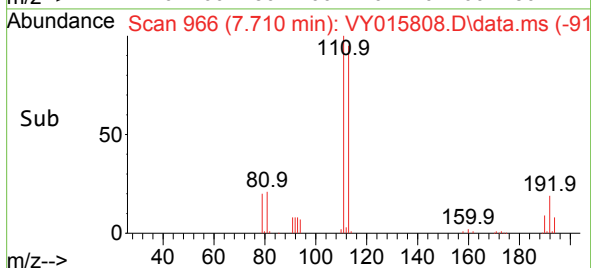
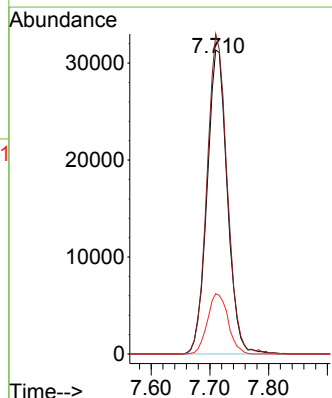
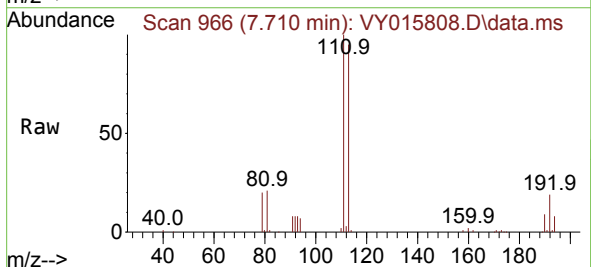
Tgt Ion:113 Resp: 74947

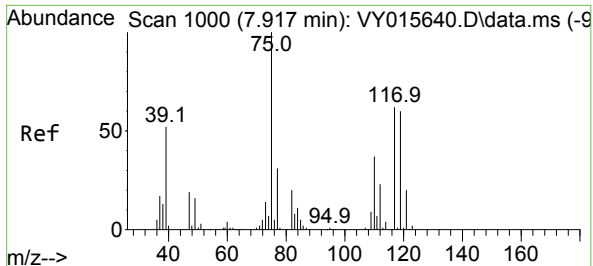
Ion Ratio Lower Upper

113 100

111 104.9 81.3 121.9

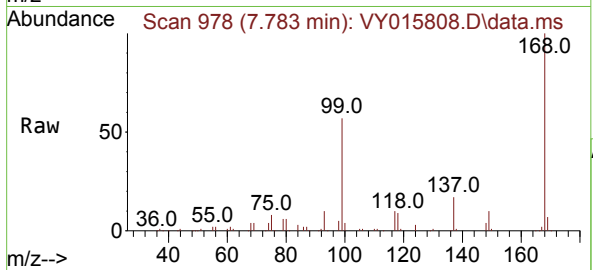
192 20.1 16.9 25.3



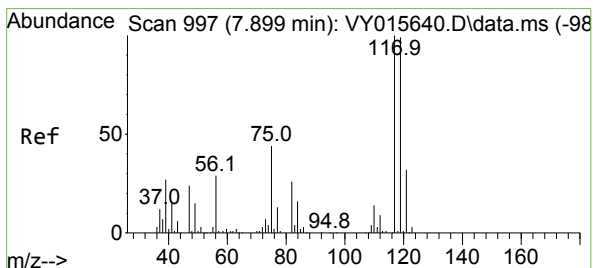
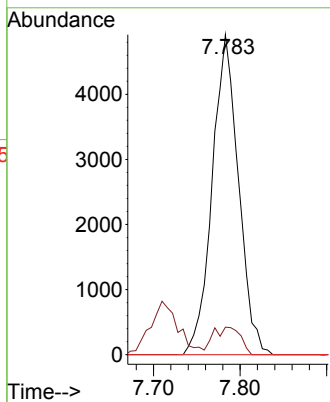
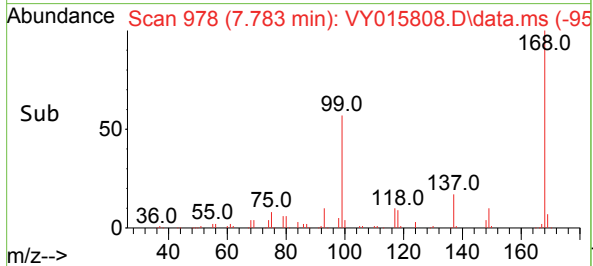


#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :

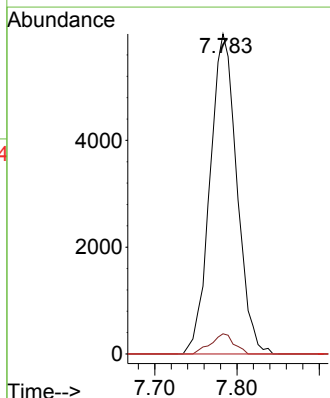
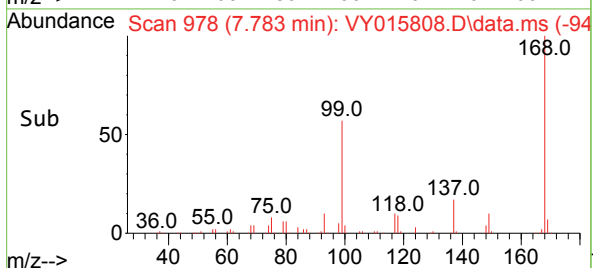
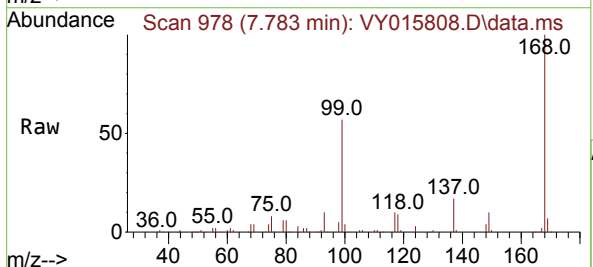


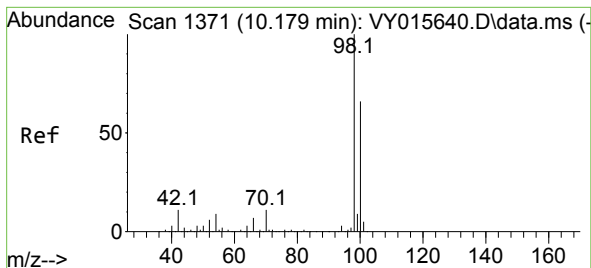
Tgt Ion: 75 Resp: 10375
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

Tgt Ion: 117 Resp: 13608
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 59.502 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015808.D

Acq: 03 Oct 2023 16:07

Instrument :

MSVOA_Y

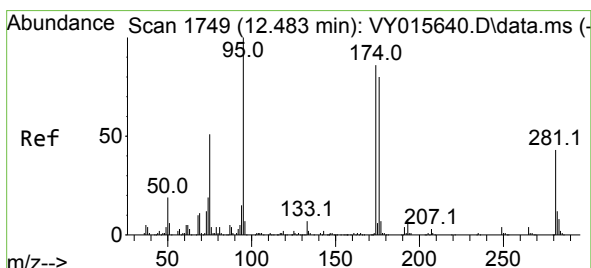
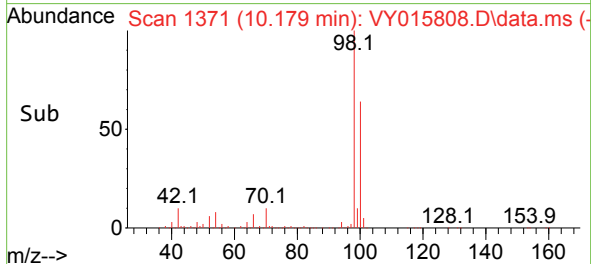
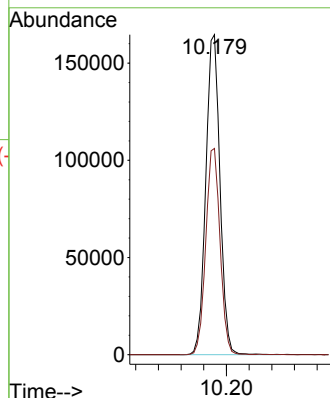
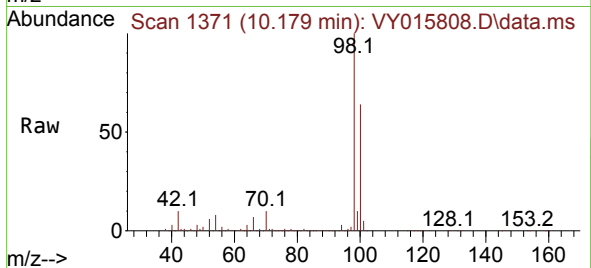
ClientSampleId :

Tgt Ion: 98 Resp: 285134

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.107 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015808.D

Acq: 03 Oct 2023 16:07

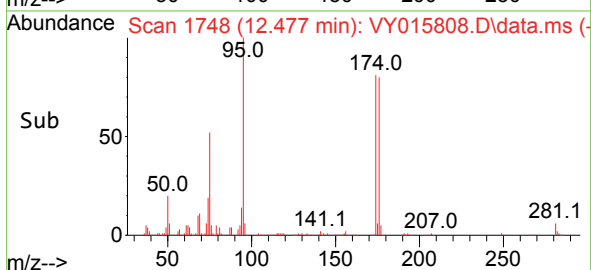
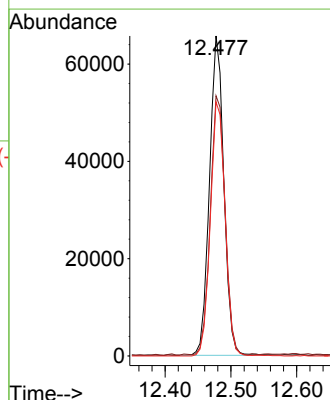
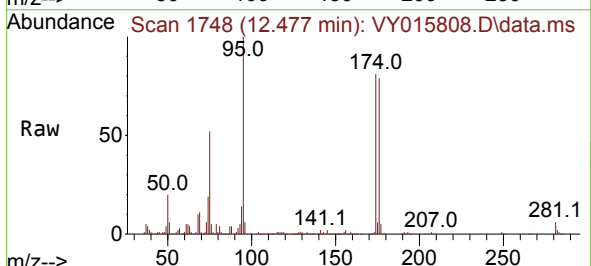
Tgt Ion: 95 Resp: 99869

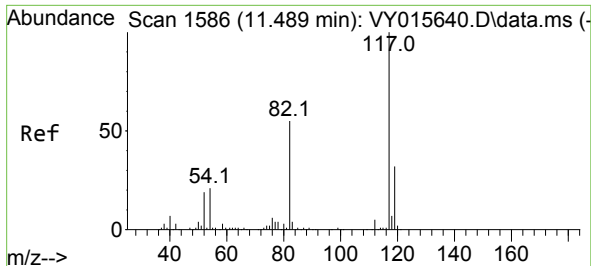
Ion Ratio Lower Upper

95 100

174 83.9 0.0 178.2

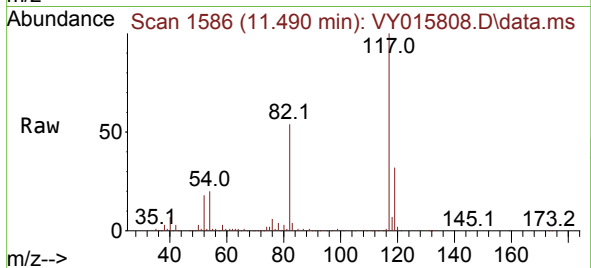
176 81.5 0.0 173.8



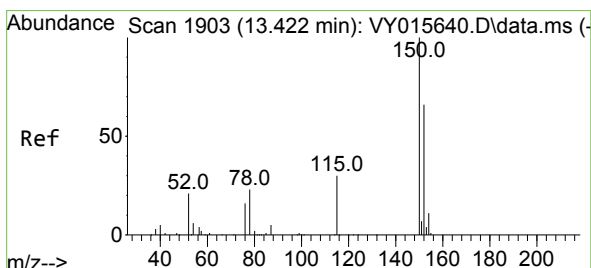
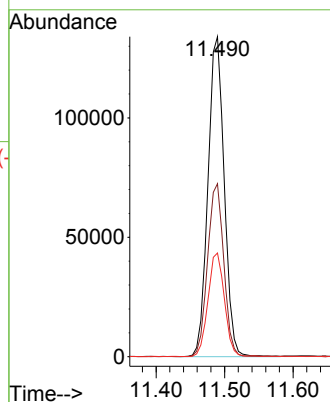
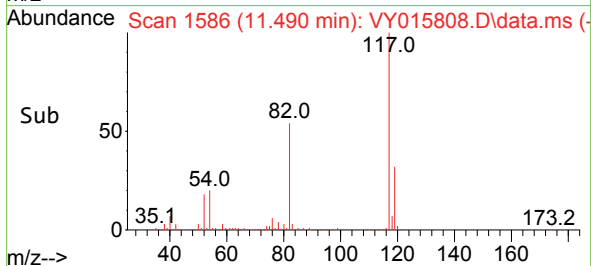


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07

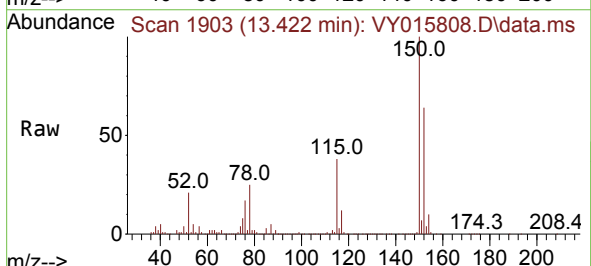
Instrument :
MSVOA_Y
ClientSampleId :



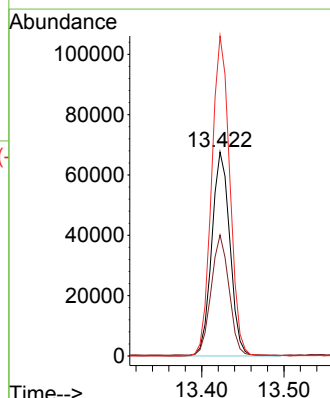
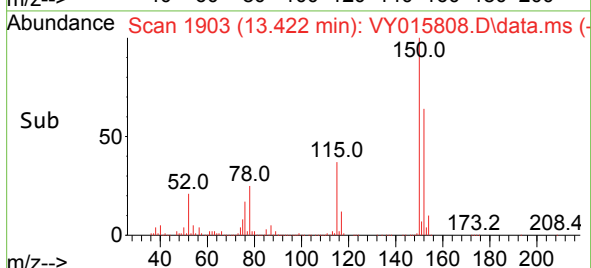
Tgt Ion:117 Resp: 221770
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.4 26.3 39.5

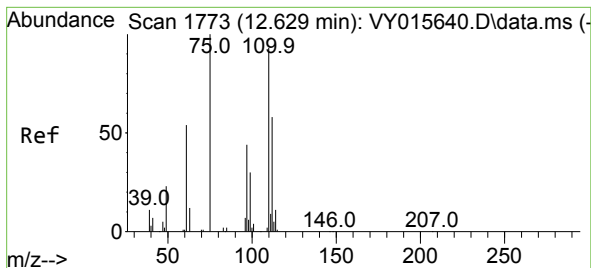


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015808.D
Acq: 03 Oct 2023 16:07



Tgt Ion:152 Resp: 103837
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.737 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY015808.D

Acq: 03 Oct 2023 16:07

Instrument :

MSVOA_Y

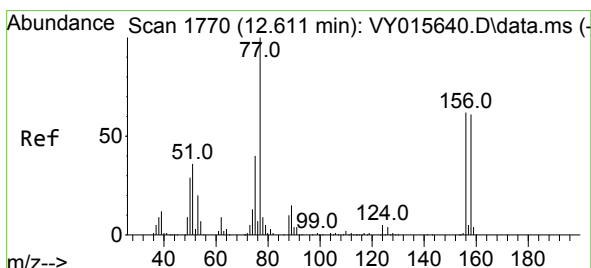
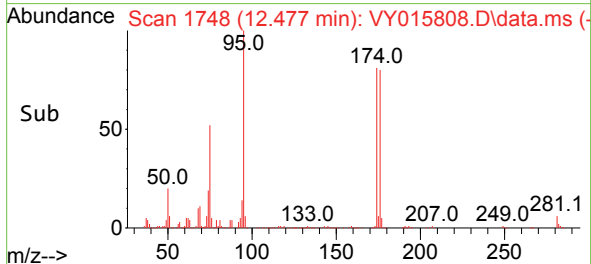
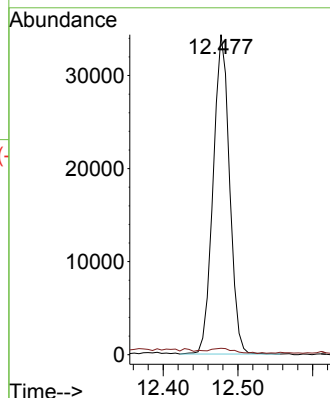
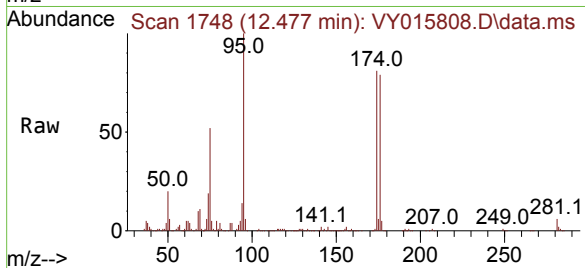
ClientSampleId :

Tgt Ion: 75 Resp: 52573

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#77

Bromobenzene

Concen: 15.542 ug/l

RT: 12.386 min Scan# 1733

Delta R.T. -0.219 min

Lab File: VY015808.D

Acq: 03 Oct 2023 16:07

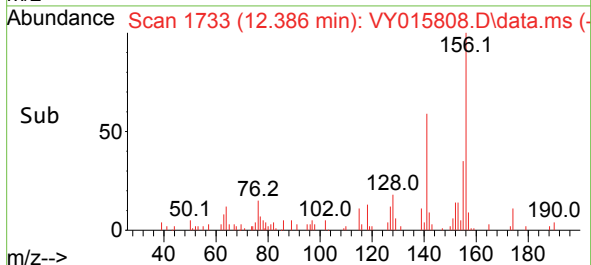
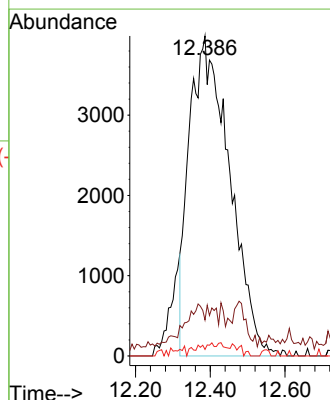
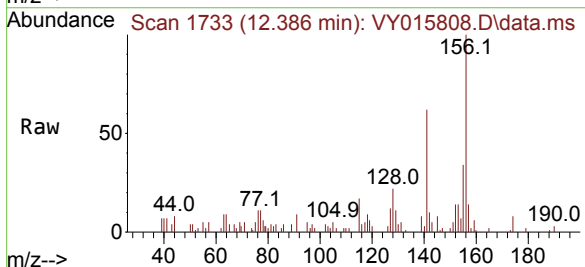
Tgt Ion: 156 Resp: 29718

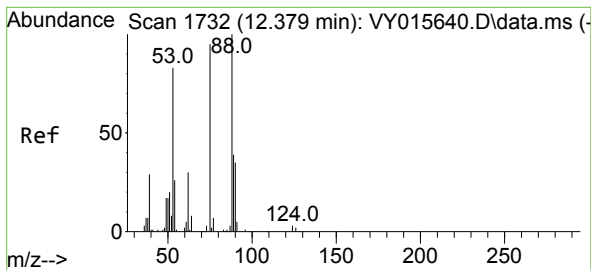
Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

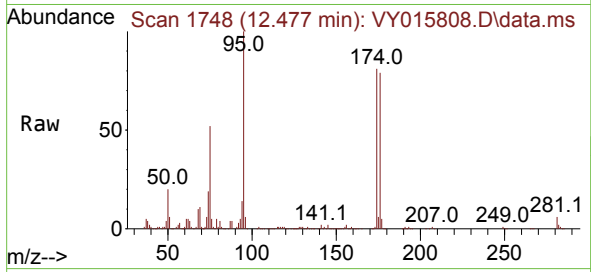
158 0.8 48.4 145.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.468 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015808.D
 Acq: 03 Oct 2023 16:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.4	37.4	56.0#

