

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015807.D
 Acq On : 03 Oct 2023 15:44
 Operator : SY/MD
 Sample : 04685-08
 Misc : 6.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:12:18 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	104197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	190162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	187935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91986	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	75530	65.881	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.760%
35) Dibromofluoromethane	7.710	113	63105	55.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.880%
50) Toluene-d8	10.179	98	224598	58.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.400%
62) 4-Bromofluorobenzene	12.477	95	84011	55.472	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.940%

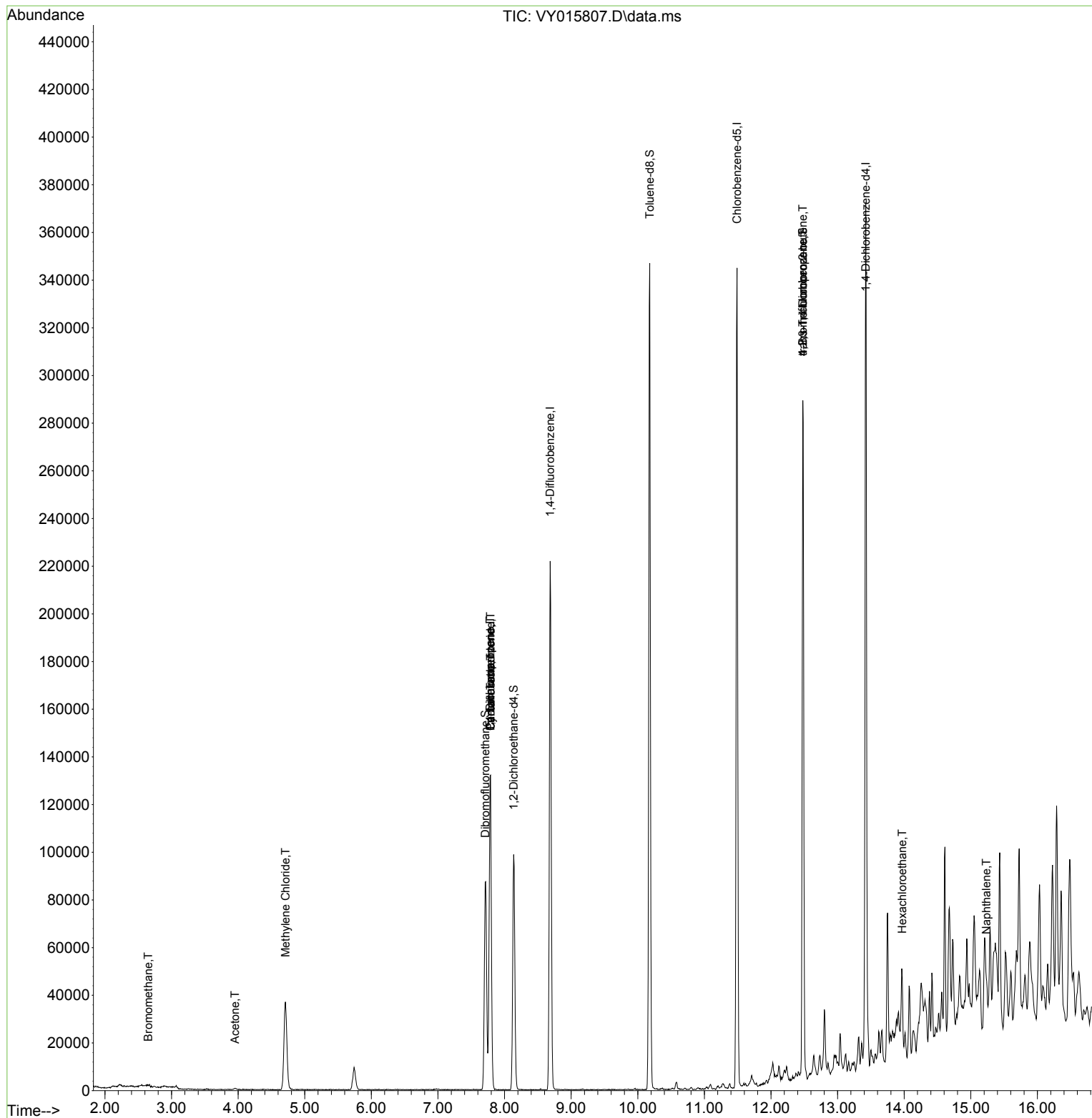
Target Compounds					Qvalue	
5) Bromomethane	2.650	94	225	2.774	ug/l #	2
11) Tert butyl alcohol	4.966	59	83	Below Cal	#	89
16) Acetone	3.954	43	858	1.398	ug/l #	88
20) Methylene Chloride	4.710	84	27996	17.710	ug/l	90
31) Cyclohexane	7.789	56	2083	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	7906	4.698	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10620	5.814	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	45802	31.211	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45802	70.285	ug/l #	11
90) Hexachloroethane	13.971	117	1255	1.028	ug/l #	8
95) Naphthalene	15.233	128	9875	1.939	ug/l #	91

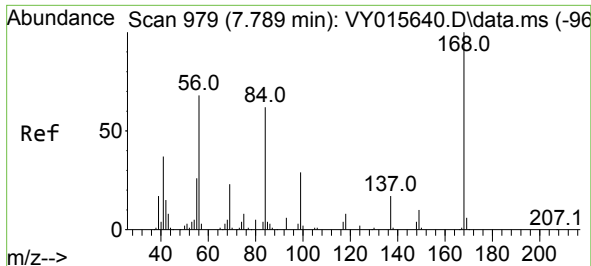
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

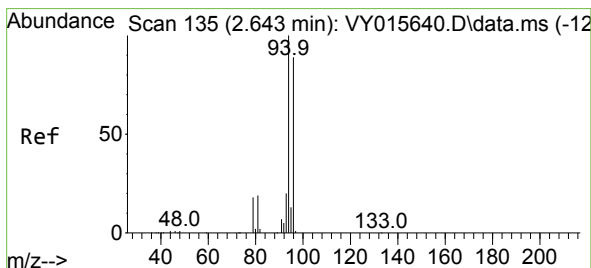
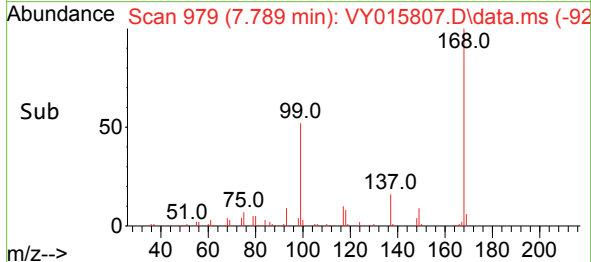
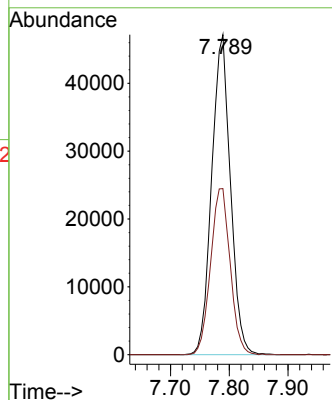
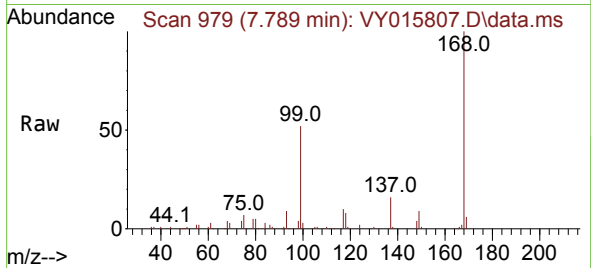




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

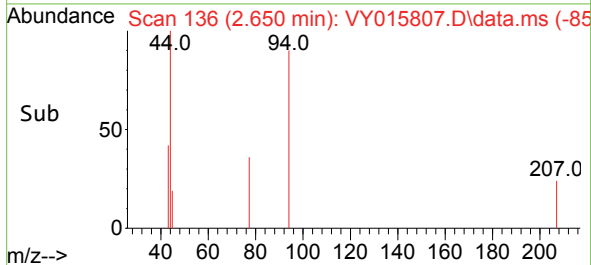
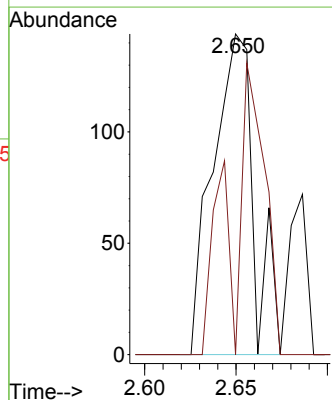
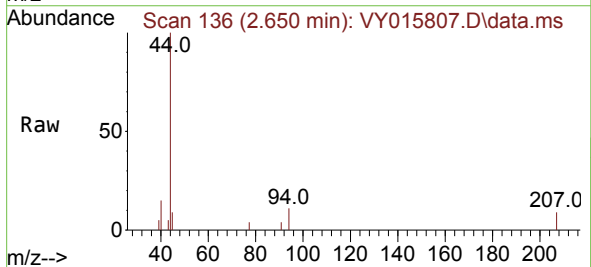
Instrument :
MSVOA_Y
ClientSampleId :

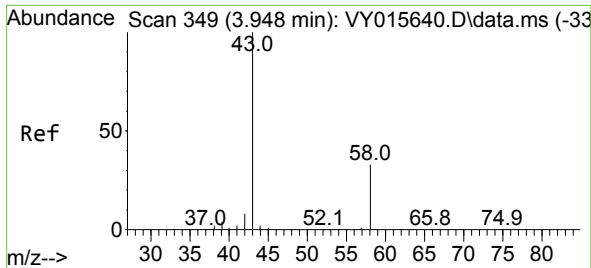
Tgt Ion:168 Resp: 104197
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#5
Bromomethane
Concen: 2.774 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#





#16

Acetone

Concen: 1.398 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Instrument :

MSVOA_Y

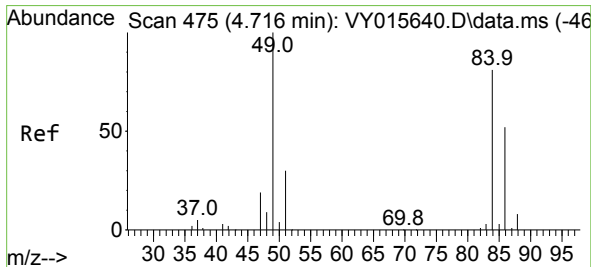
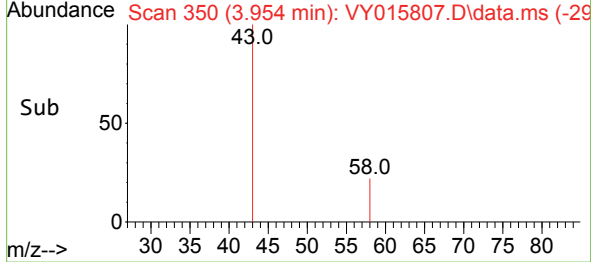
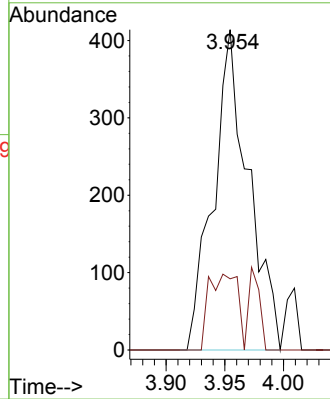
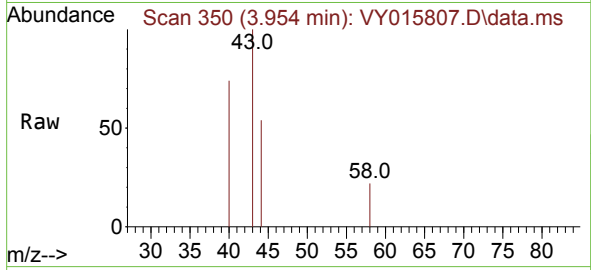
ClientSampleId :

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 22.2 22.7 34.1#



#20

Methylene Chloride

Concen: 17.710 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Tgt Ion: 84 Resp: 27996

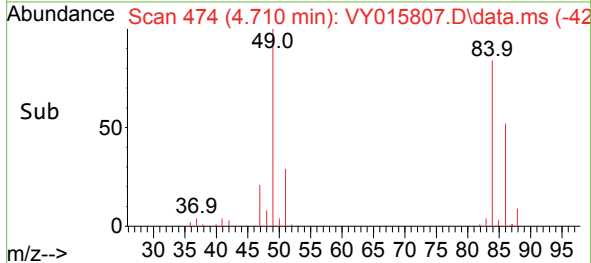
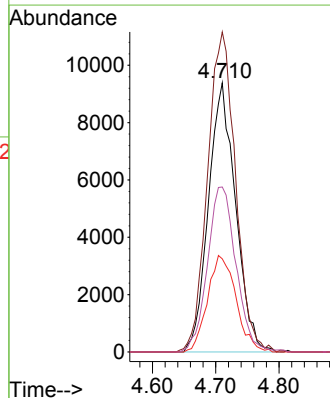
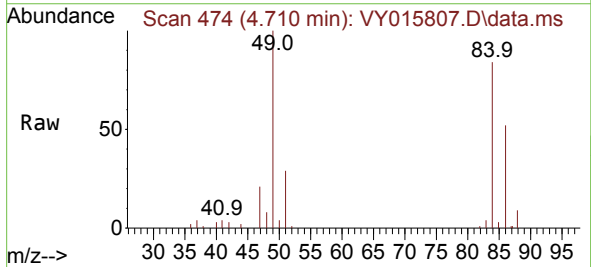
Ion Ratio Lower Upper

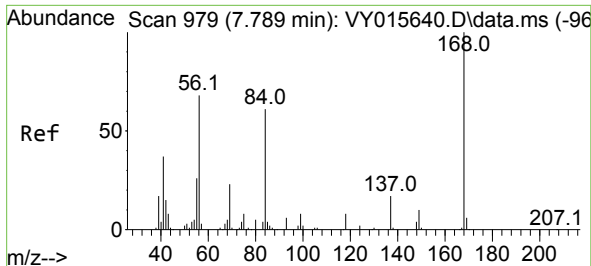
84 100

49 118.2 106.9 160.3

51 34.6 33.2 49.8

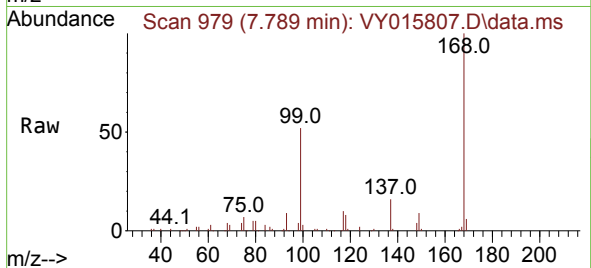
86 61.3 51.0 76.6



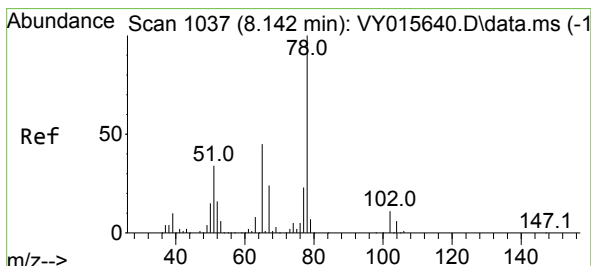
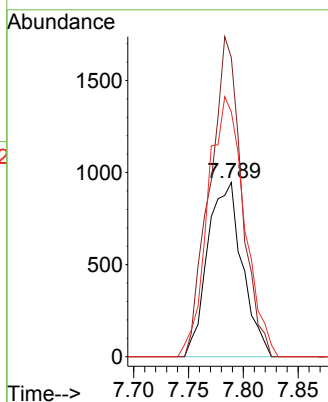
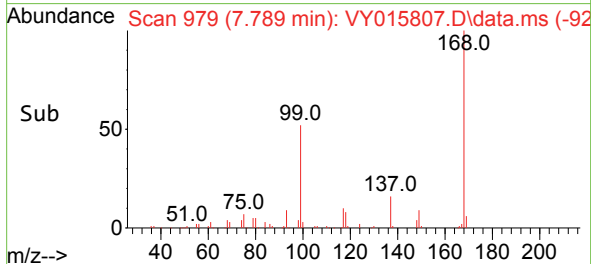


#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

Instrument :
MSVOA_Y
ClientSampleId :

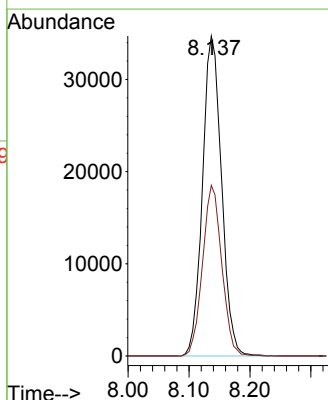
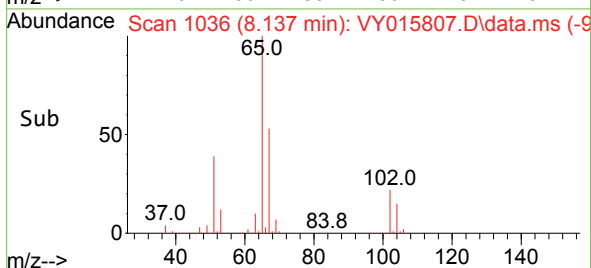
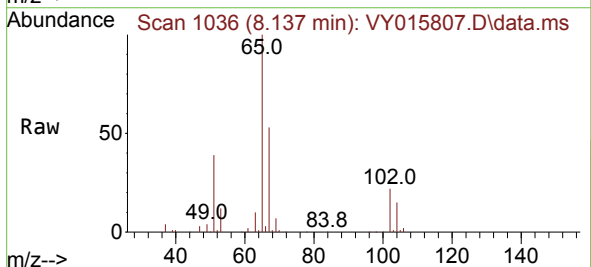


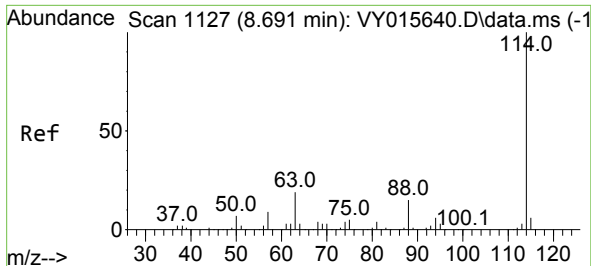
Tgt Ion: 56 Resp: 2083
Ion Ratio Lower Upper
56 100
69 171.8 27.8 41.6#
84 140.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 65.881 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

Tgt Ion: 65 Resp: 75530
Ion Ratio Lower Upper
65 100
67 53.8 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: VY015807.D

Acq: 03 Oct 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

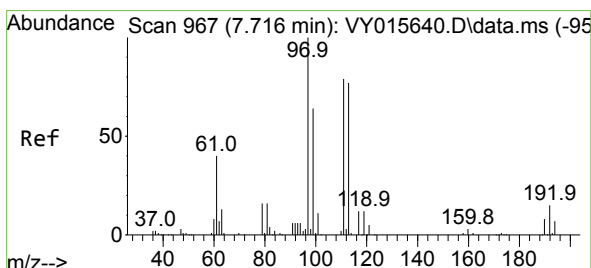
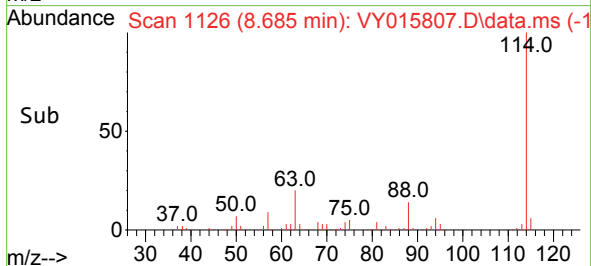
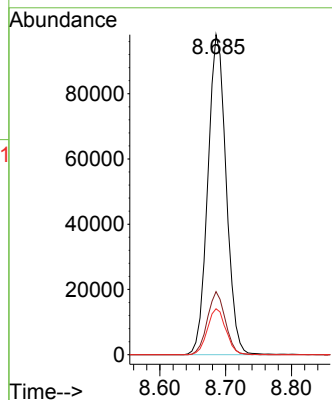
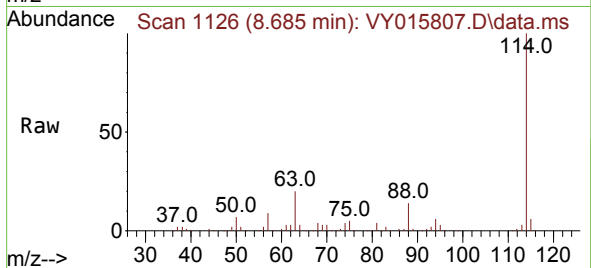
Tgt Ion:114 Resp: 190162

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.444 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

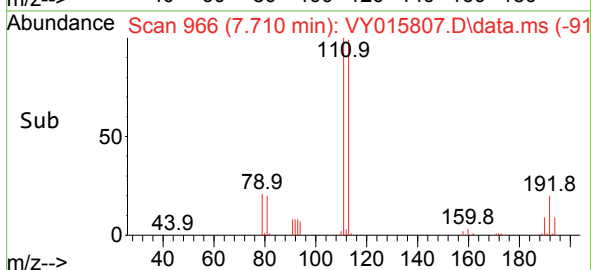
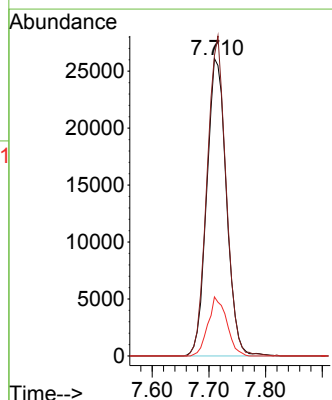
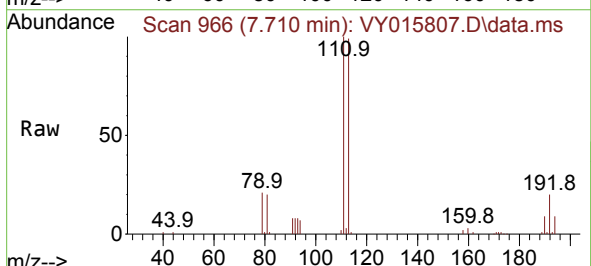
Tgt Ion:113 Resp: 63105

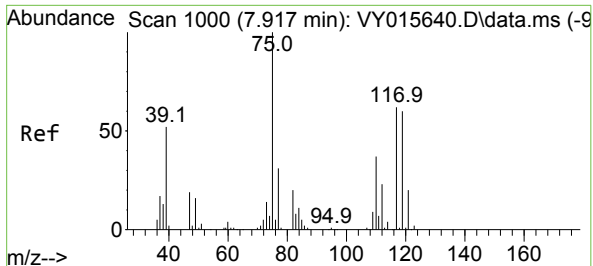
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

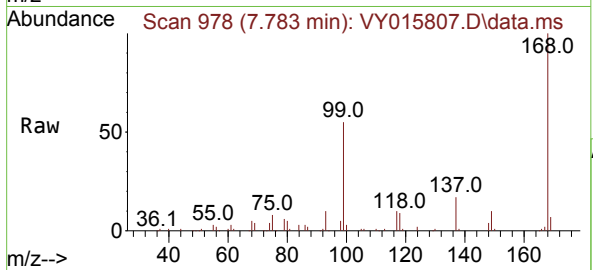
192 18.9 16.9 25.3



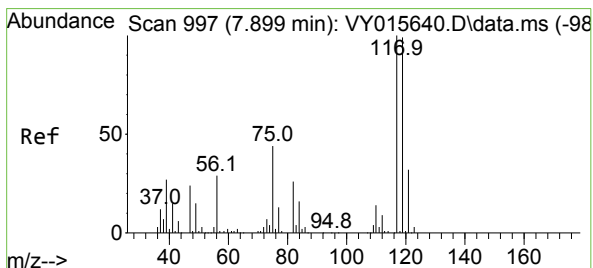
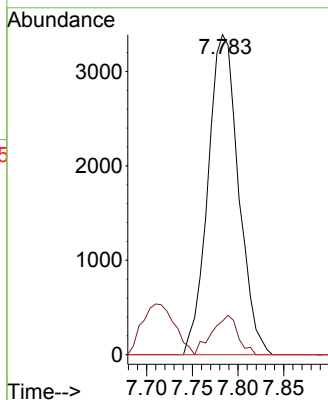
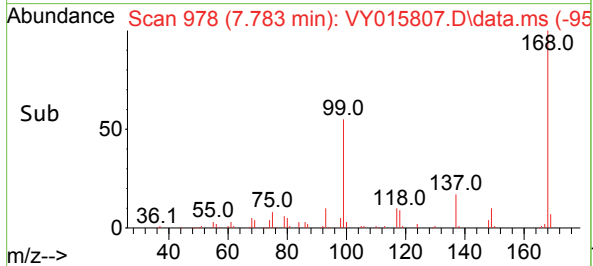


#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015807.D
 Acq: 03 Oct 2023 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :

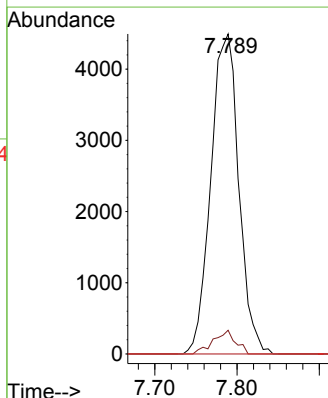
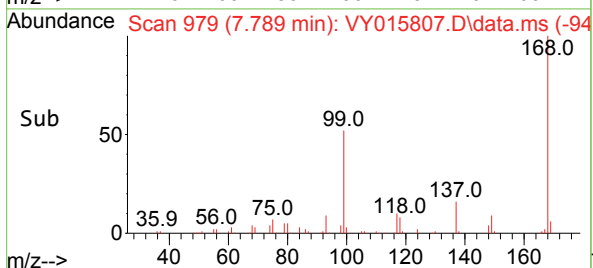
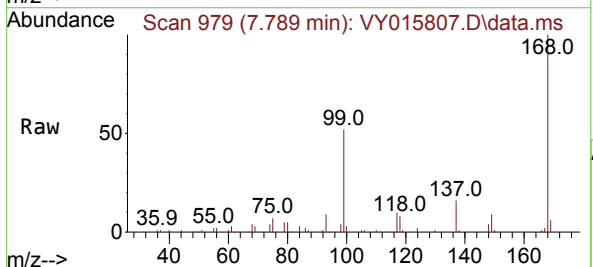


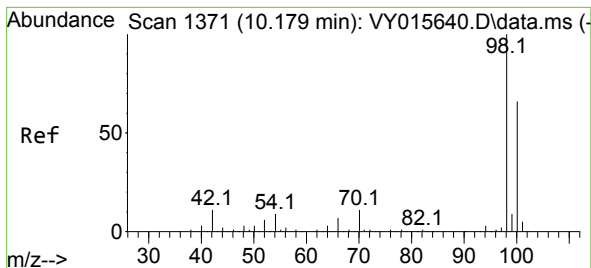
Tgt Ion: 75 Resp: 7906
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.814 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.104 min
 Lab File: VY015807.D
 Acq: 03 Oct 2023 15:44

Tgt Ion: 117 Resp: 10620
 Ion Ratio Lower Upper
 117 100
 119 7.4 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.198 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Instrument :

MSVOA_Y

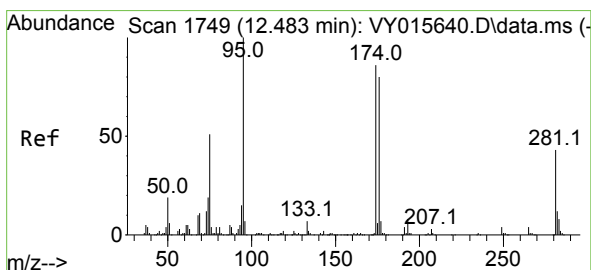
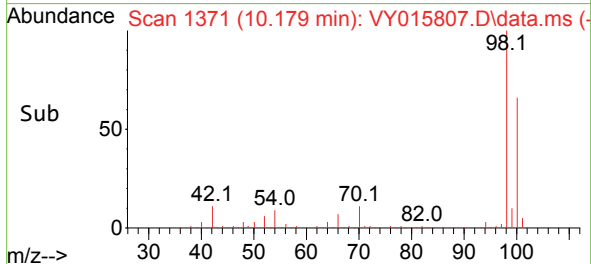
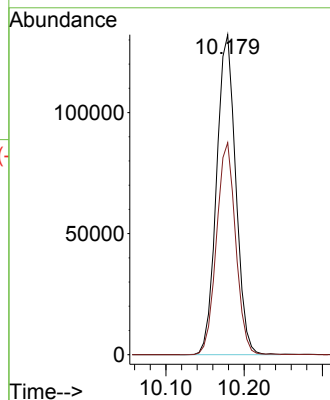
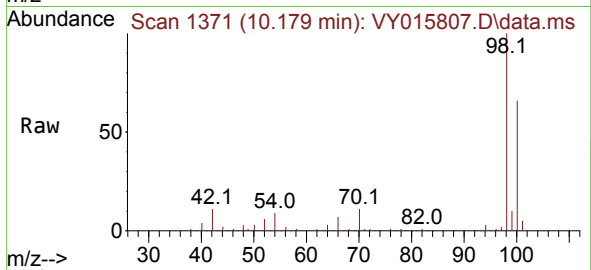
ClientSampleId :

Tgt Ion: 98 Resp: 224598

Ion Ratio Lower Upper

98 100

100 66.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.472 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

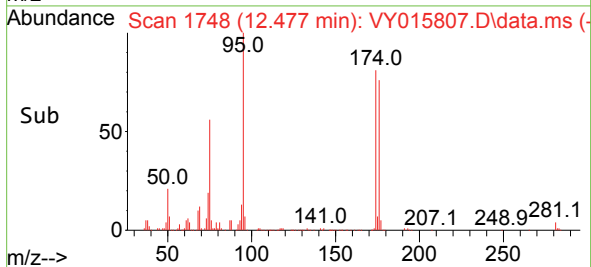
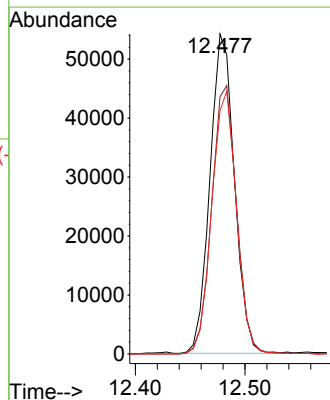
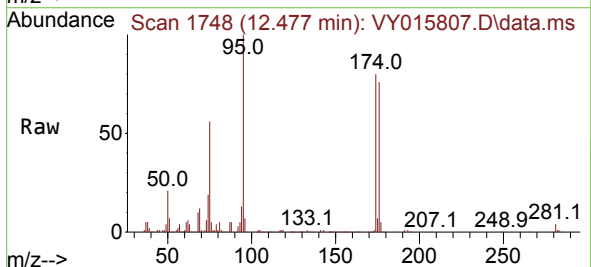
Tgt Ion: 95 Resp: 84011

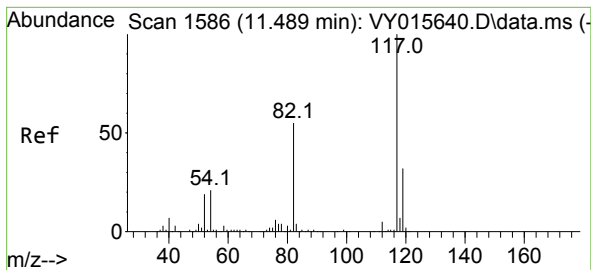
Ion Ratio Lower Upper

95 100

174 85.5 0.0 178.2

176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

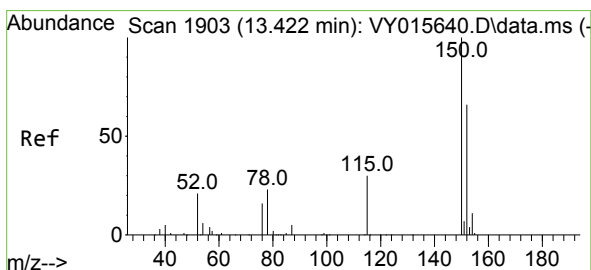
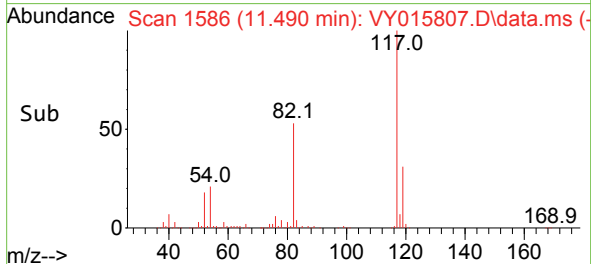
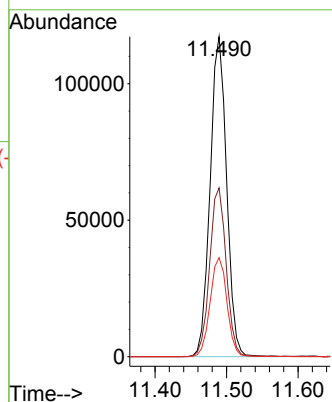
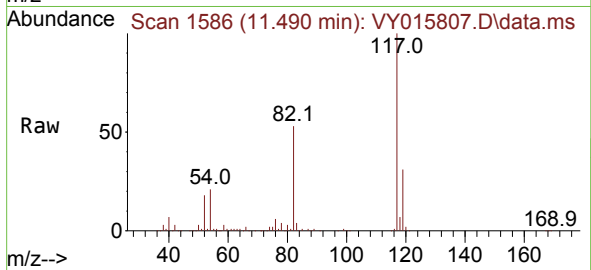
Tgt Ion:117 Resp: 187935

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.0 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: VY015807.D

Acq: 03 Oct 2023 15:44

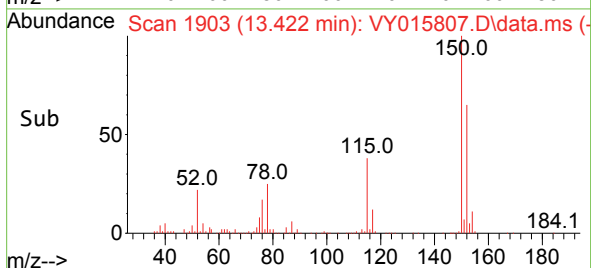
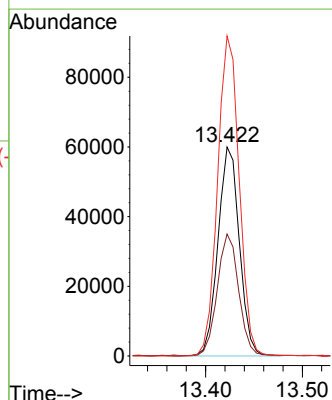
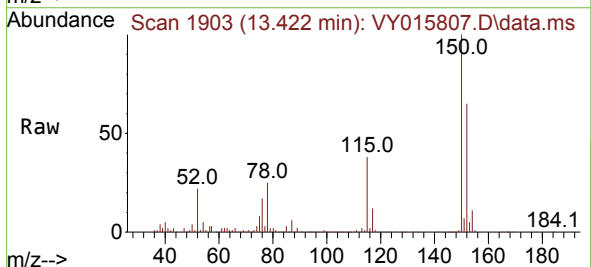
Tgt Ion:152 Resp: 91986

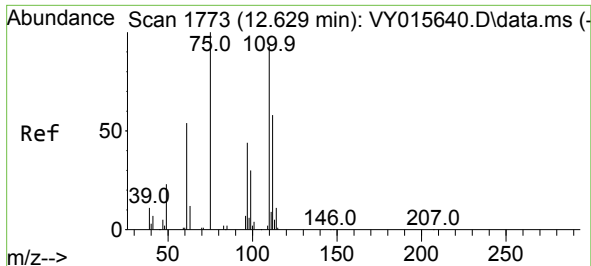
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 154.6 0.0 348.8

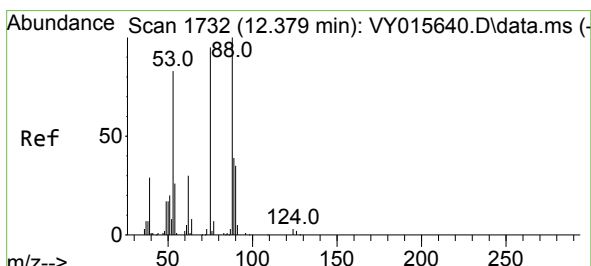
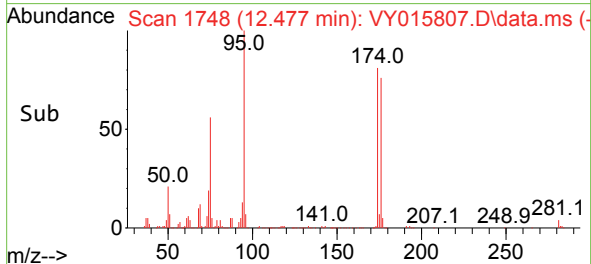
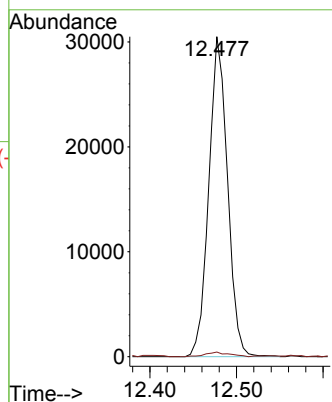
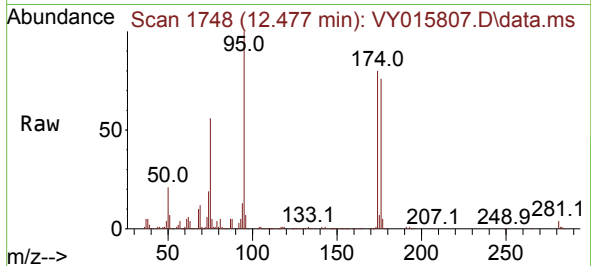




#76
1,2,3-Trichloropropane
Concen: 31.211 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

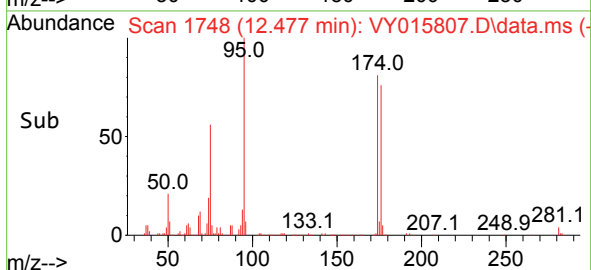
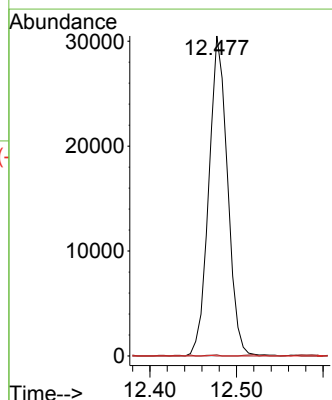
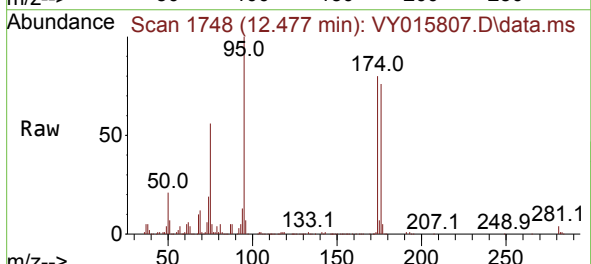
Instrument :
MSVOA_Y
ClientSampleId :

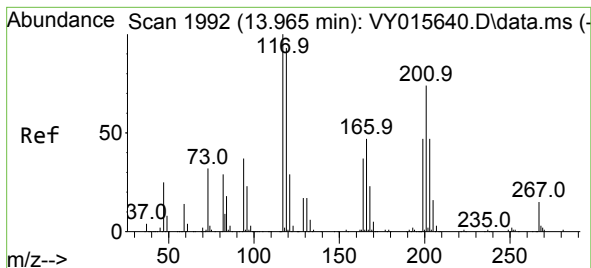
Tgt Ion: 75 Resp: 45802
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.285 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015807.D
Acq: 03 Oct 2023 15:44

Tgt Ion: 75 Resp: 45802
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#90

Hexachloroethane

Concen: 1.028 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Instrument :

MSVOA_Y

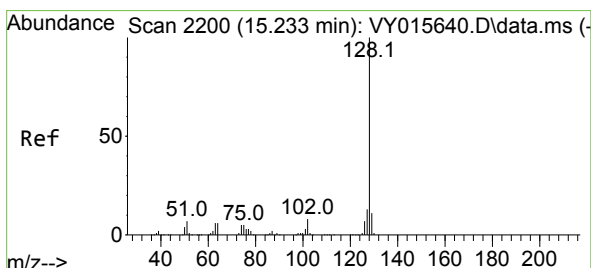
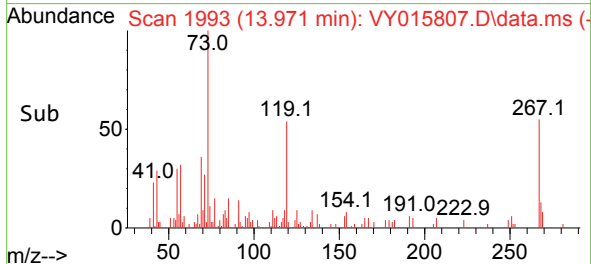
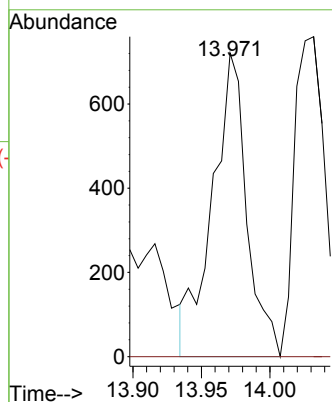
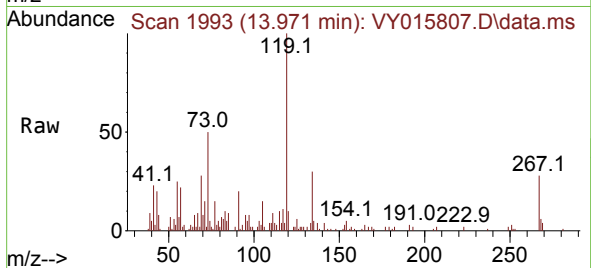
ClientSampleId :

Tgt Ion:117 Resp: 1255

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#95

Naphthalene

Concen: 1.939 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY015807.D

Acq: 03 Oct 2023 15:44

Tgt Ion:128 Resp: 9875

Ion Ratio Lower Upper

128 100

127 17.4 10.8 16.2#

129 7.7 8.6 13.0#

