

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015106.D
 Acq On : 15 Aug 2023 16:18
 Operator : SY/MD
 Sample : 03977-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:06:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

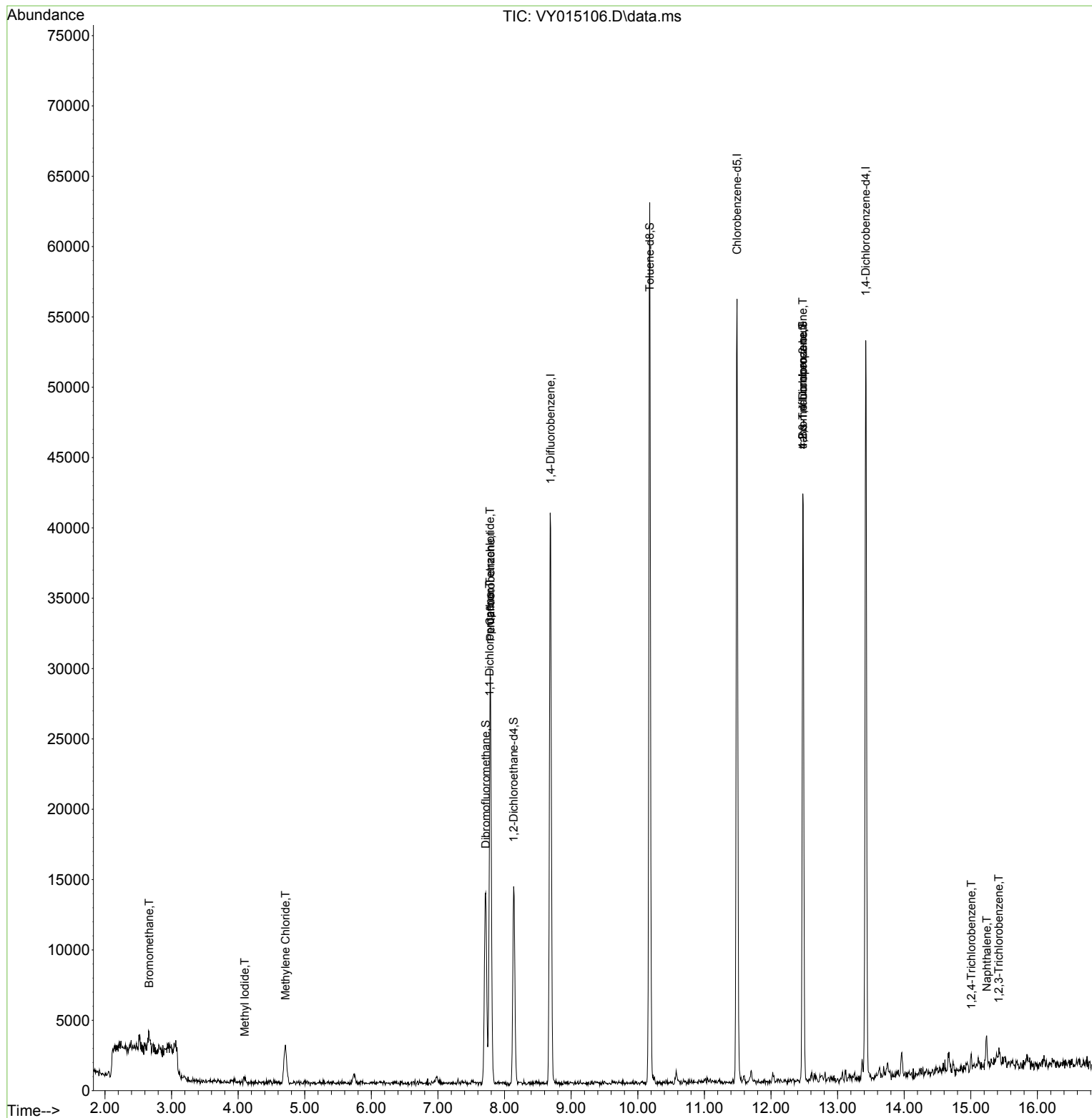
Internal Standards						
1) Pentafluorobenzene	7.789	168	22602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	35712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	31192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	13608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	11048	40.720	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.440%		
35) Dibromofluoromethane	7.716	113	9962	43.361	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.720%		
50) Toluene-d8	10.179	98	41064	48.014	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.477	95	13711	43.892	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.780%		
Target Compounds						
3) Chloromethane	2.107	50	322	Below Cal	#	43
5) Bromomethane	2.662	94	473	2.377	ug/l	92
10) Methyl Iodide	4.101	142	465	2.514	ug/l #	53
20) Methylene Chloride	4.710	84	1992	5.531	ug/l #	78
31) Cyclohexane	7.789	56	482	Below Cal	#	36
36) 1,1-Dichloropropene	7.777	75	1777	6.991	ug/l #	49
38) Carbon Tetrachloride	7.783	117	2242	7.453	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	7072	42.776	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	7072	93.956	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	327	1.289	ug/l	85
95) Naphthalene	15.239	128	2077	3.286	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	402	1.754	ug/l #	78

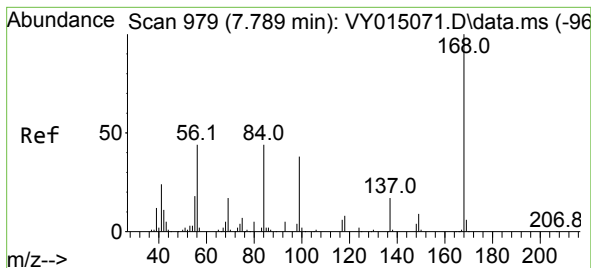
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
Data File : VY015106.D
Acq On : 15 Aug 2023 16:18
Operator : SY/MD
Sample : 03977-02
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 16 02:06:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
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: VY015106.D

Acq: 15 Aug 2023 16:18

Instrument :

MSVOA_Y

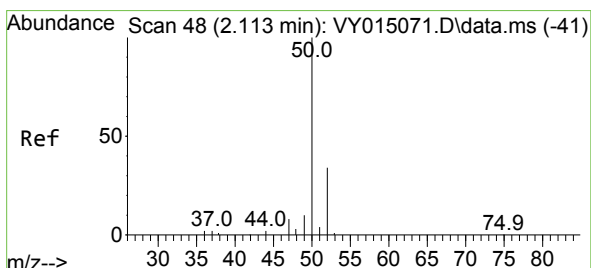
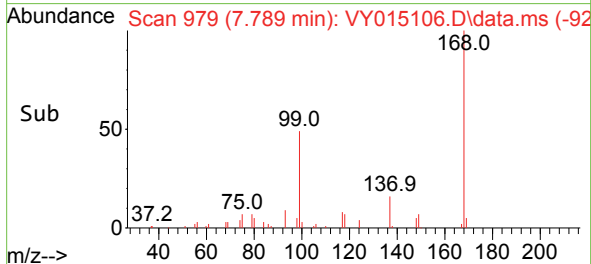
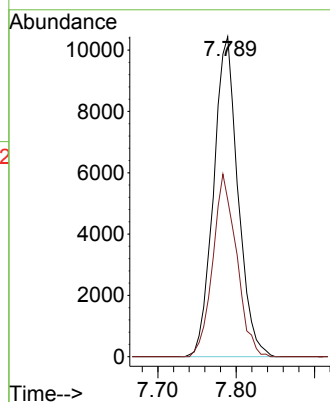
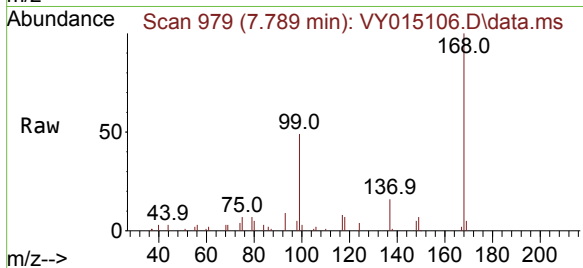
ClientSampleId :

Tgt Ion:168 Resp: 22602

Ion Ratio Lower Upper

168 100

99 49.1 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015106.D

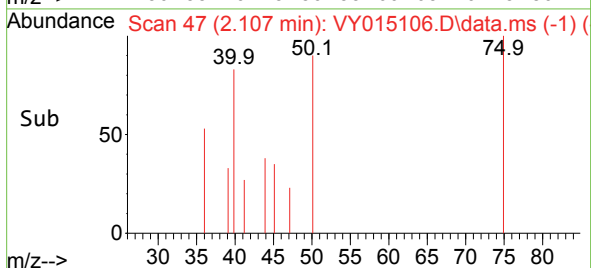
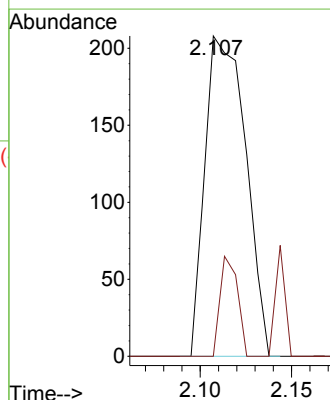
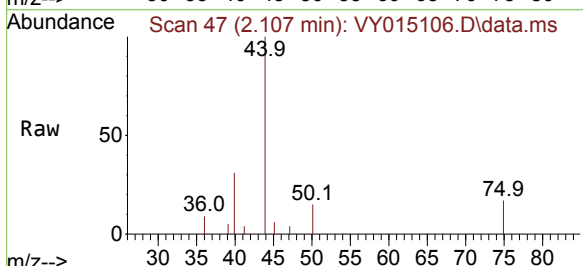
Acq: 15 Aug 2023 16:18

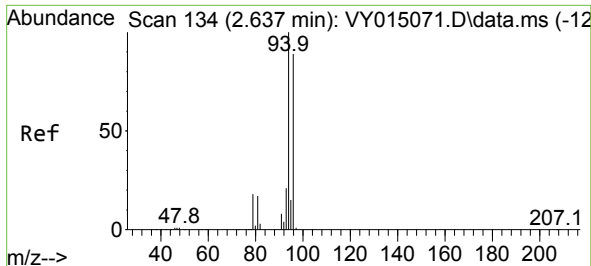
Tgt Ion: 50 Resp: 322

Ion Ratio Lower Upper

50 100

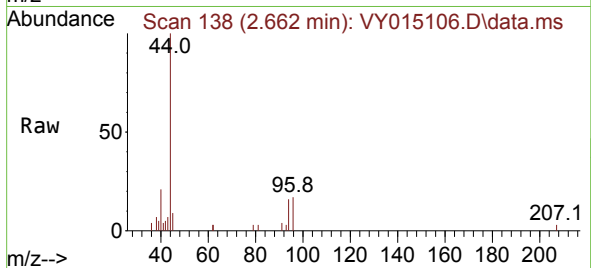
52 0.0 25.4 38.2#



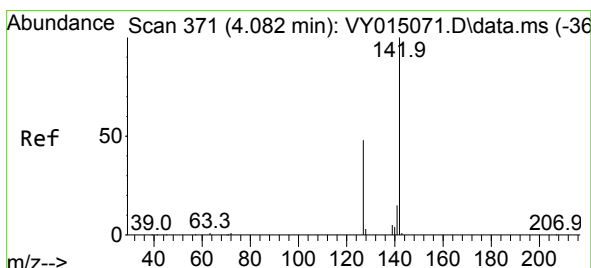
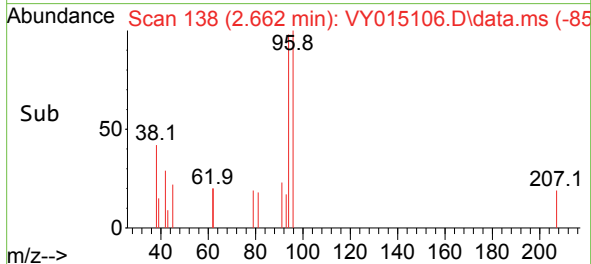
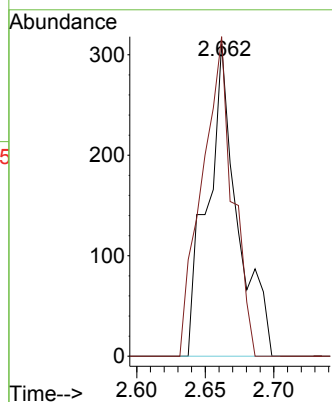


#5
Bromomethane
Concen: 2.377 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

Instrument :
MSVOA_Y
ClientSampleId :

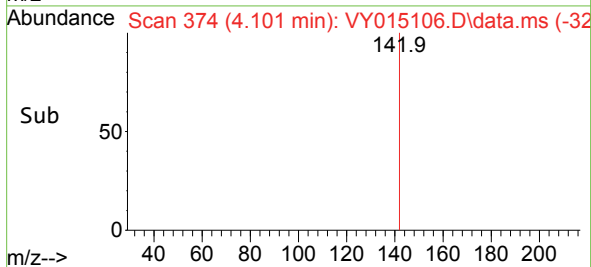
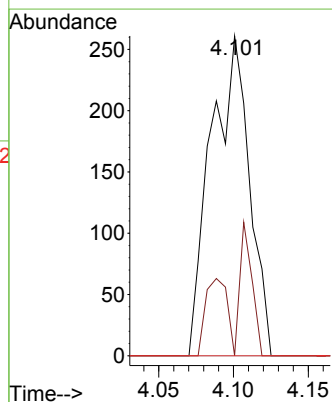
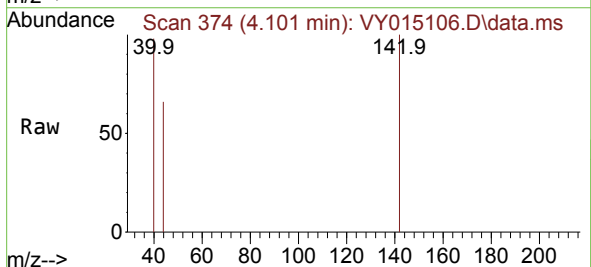


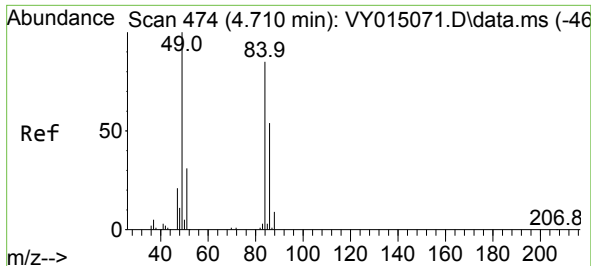
Tgt Ion: 94 Resp: 473
Ion Ratio Lower Upper
94 100
96 102.3 75.8 113.6



#10
Methyl Iodide
Concen: 2.514 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

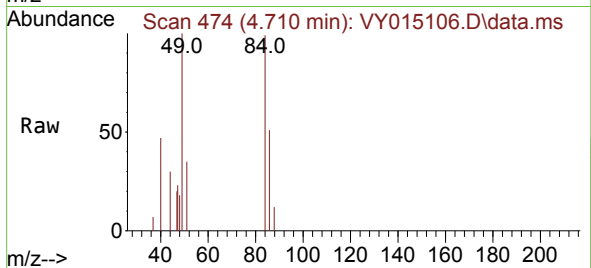
Tgt Ion: 142 Resp: 465
Ion Ratio Lower Upper
142 100
127 13.1 37.6 56.4#
141 0.0 11.8 17.8#



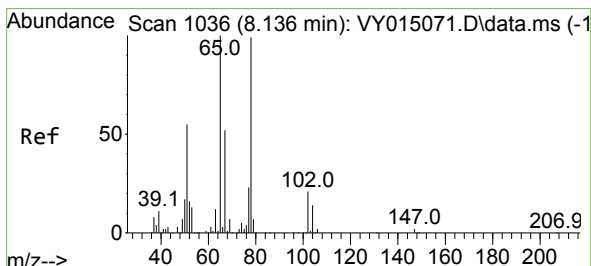
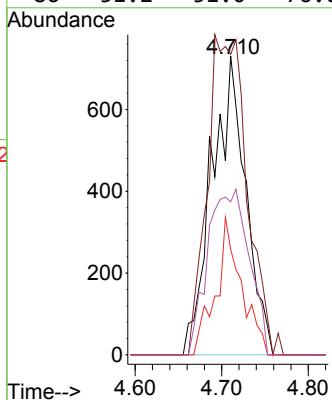
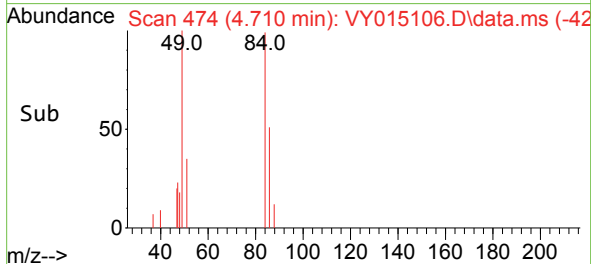


#20
Methylene Chloride
Concen: 5.531 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

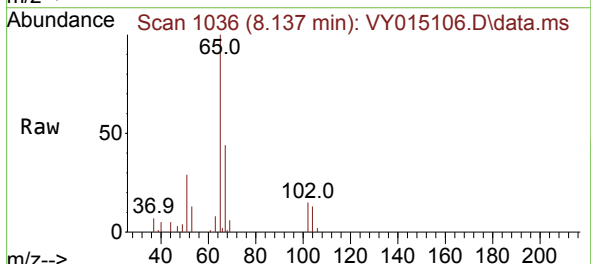
Instrument :
MSVOA_Y
ClientSampleId :



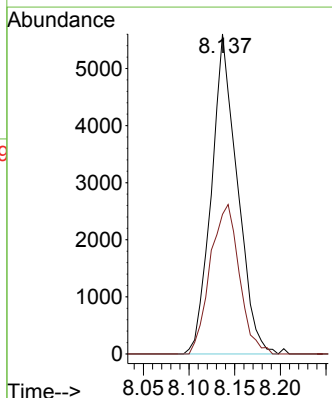
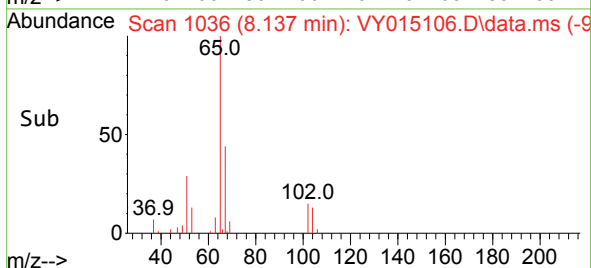
Tgt Ion: 84 Resp: 1992
Ion Ratio Lower Upper
84 100
49 100.5 106.9 160.3#
51 35.3 33.2 49.8
86 51.2 51.0 76.6

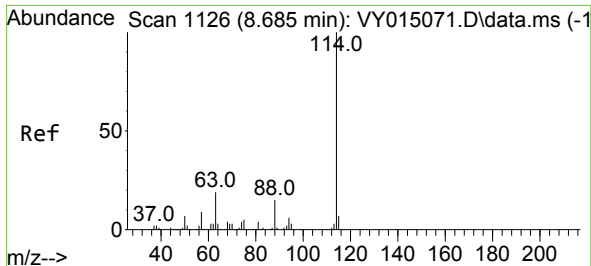


#33
1,2-Dichloroethane-d4
Concen: 40.720 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18



Tgt Ion: 65 Resp: 11048
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015106.D

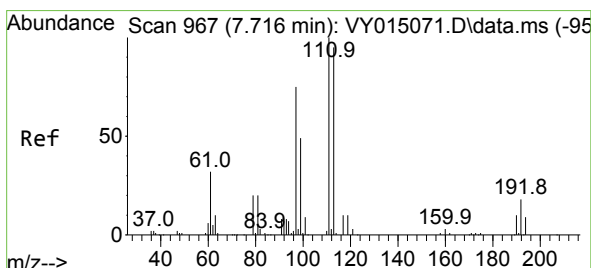
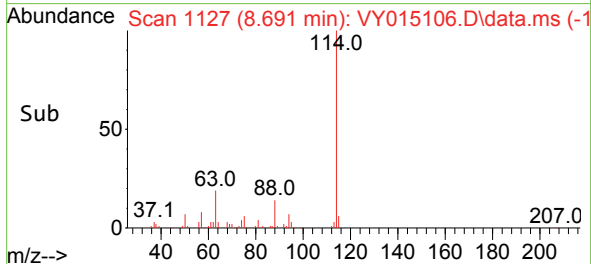
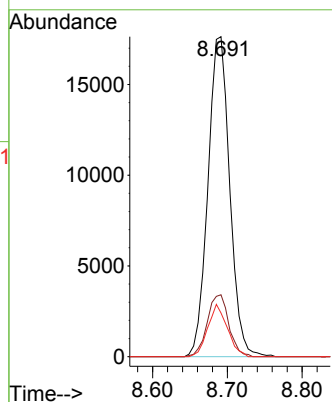
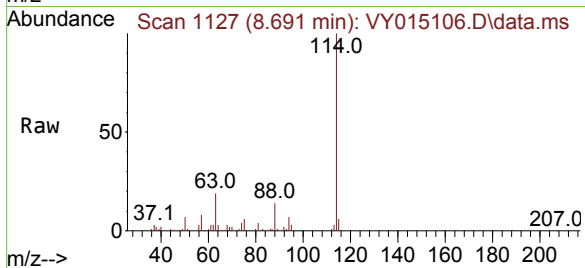
Acq: 15 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	35712
Ion	Ratio	Lower Upper
114	100	
63	19.4	0.0 42.4
88	13.6	0.0 30.6



#35

Dibromofluoromethane

Concen: 43.361 ug/l

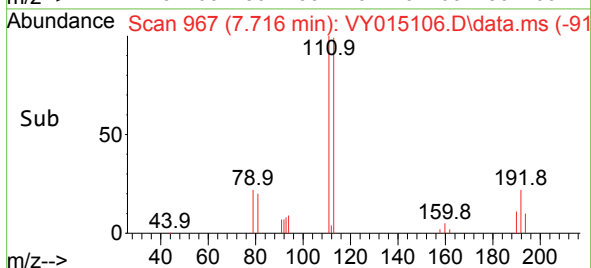
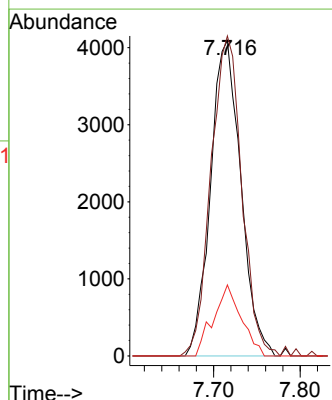
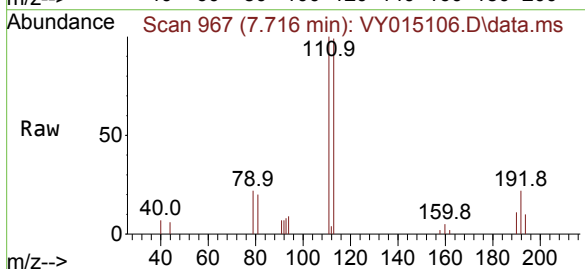
RT: 7.716 min Scan# 967

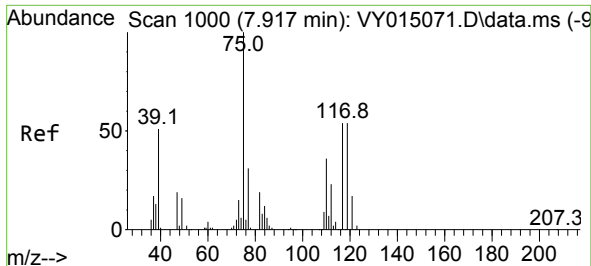
Delta R.T. 0.000 min

Lab File: VY015106.D

Acq: 15 Aug 2023 16:18

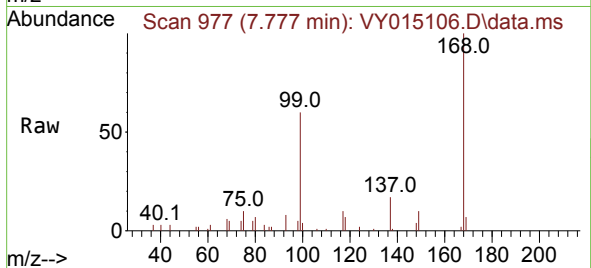
Tgt Ion:113	Resp:	9962
Ion	Ratio	Lower Upper
113	100	
111	102.5	81.3 121.9
192	20.6	16.9 25.3



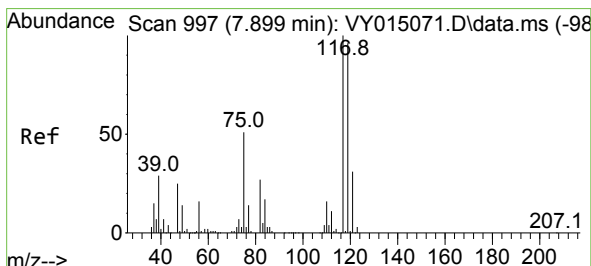
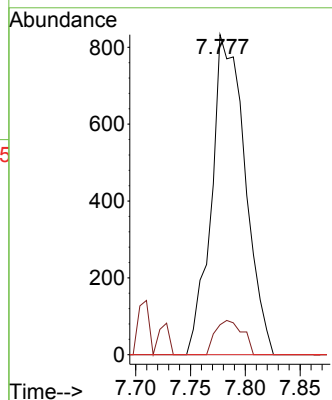
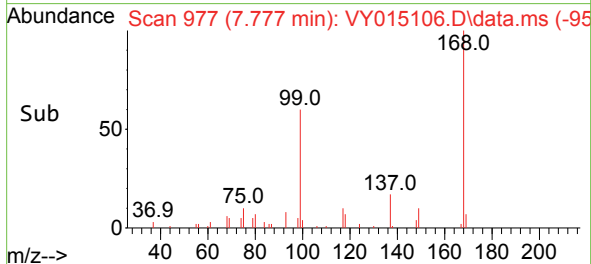


#36
1,1-Dichloropropene
Concen: 6.991 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

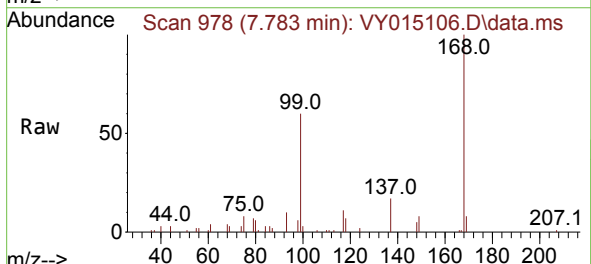
Instrument :
MSVOA_Y
ClientSampleId :



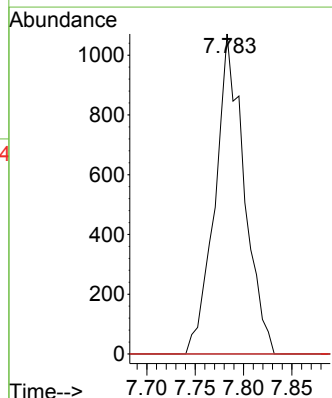
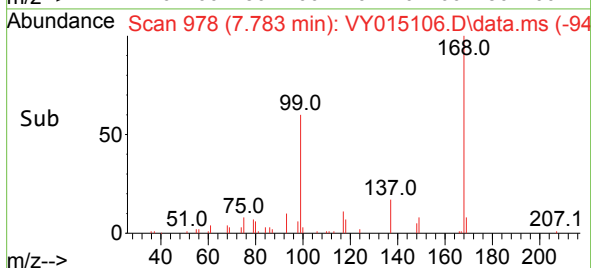
Tgt Ion: 75 Resp: 1777
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#

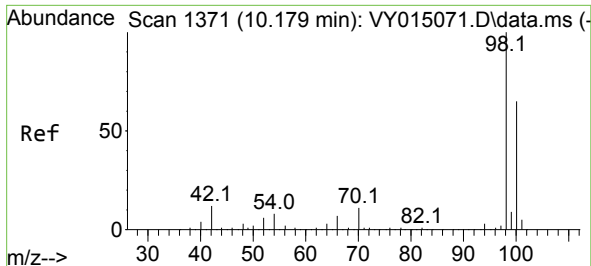


#38
Carbon Tetrachloride
Concen: 7.453 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18



Tgt Ion: 117 Resp: 2242
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

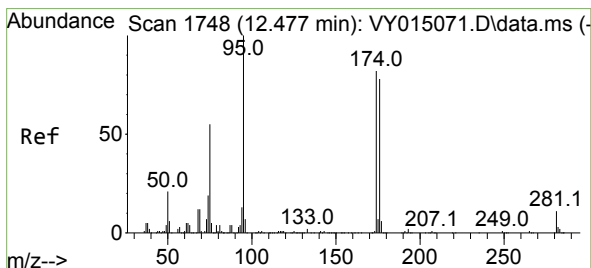
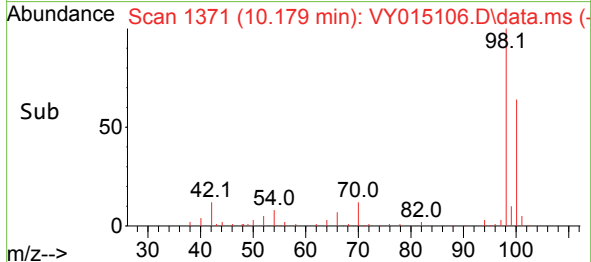
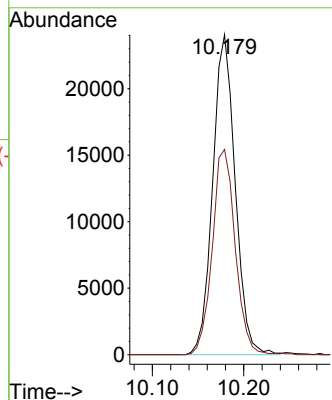
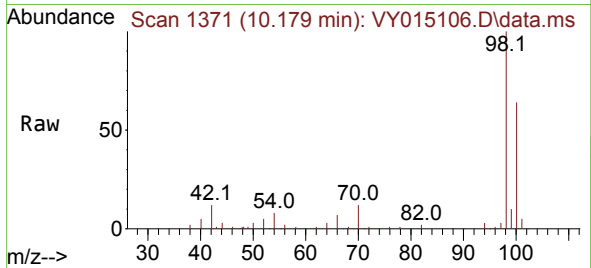




#50
Toluene-d8
Concen: 48.014 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

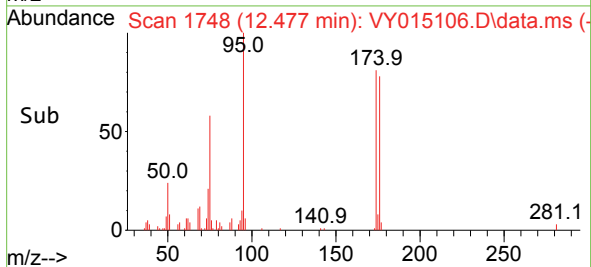
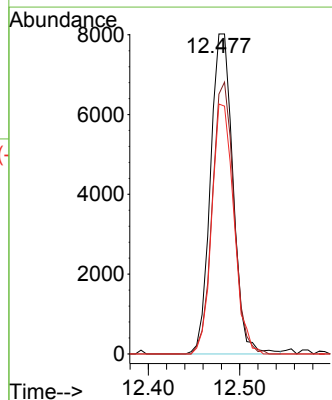
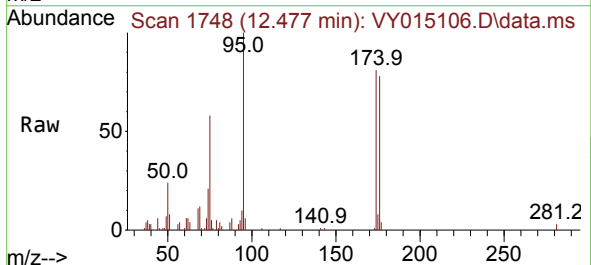
Instrument :
MSVOA_Y
ClientSampleId :

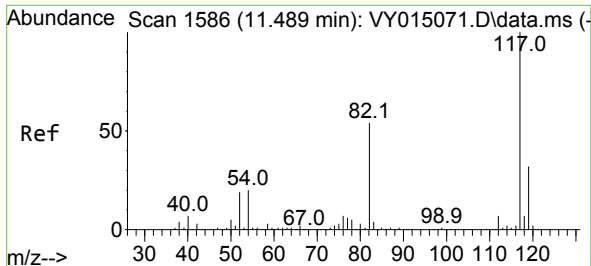
Tgt Ion: 98 Resp: 41064
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.892 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

Tgt Ion: 95 Resp: 13711
Ion Ratio Lower Upper
95 100
174 81.7 0.0 178.2
176 76.4 0.0 173.8

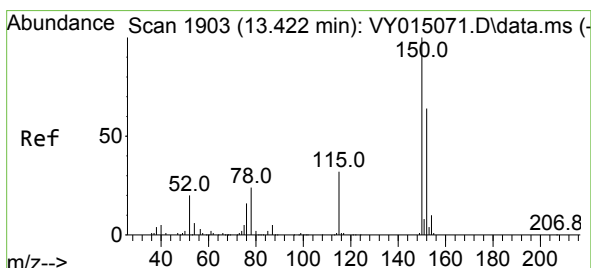
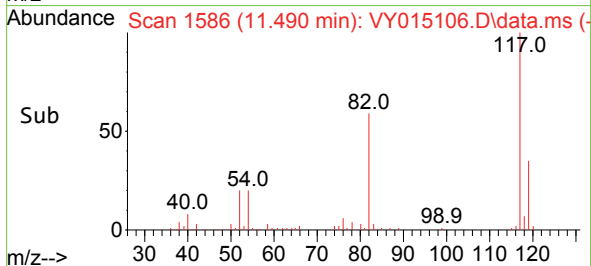
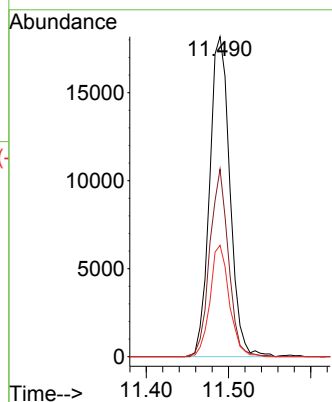
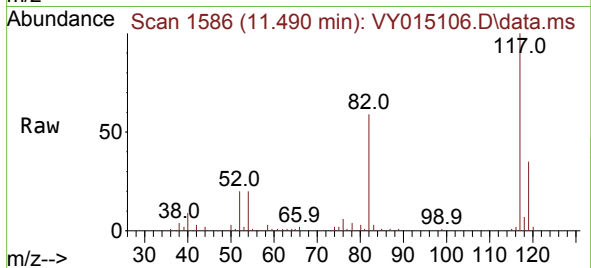




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

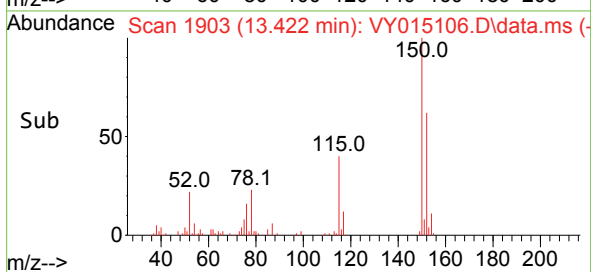
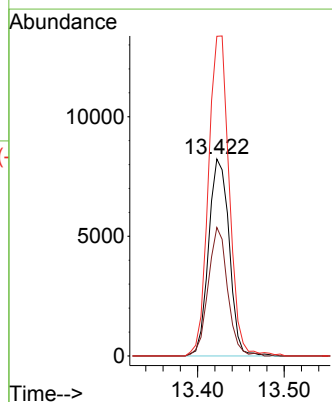
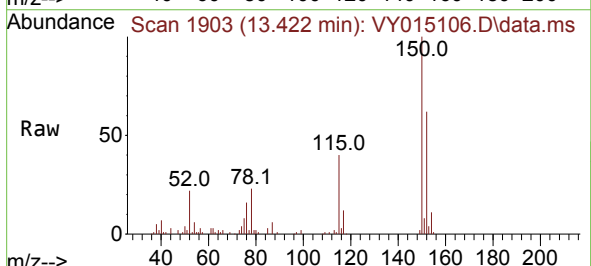
Instrument :
MSVOA_Y
ClientSampleId :

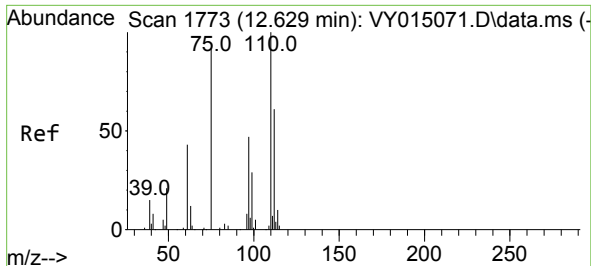
Tgt Ion:117 Resp: 31192
Ion Ratio Lower Upper
117 100
82 58.6 43.4 65.0
119 34.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

Tgt Ion:152 Resp: 13608
Ion Ratio Lower Upper
152 100
115 61.6 28.8 86.5
150 164.1 0.0 348.8

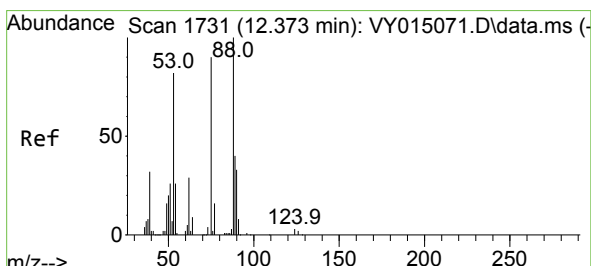
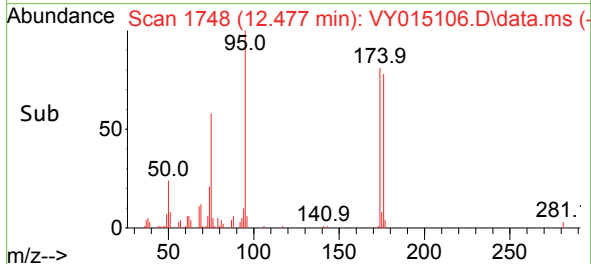
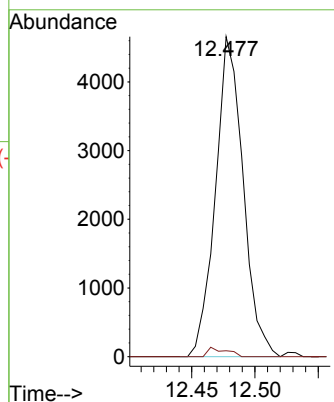
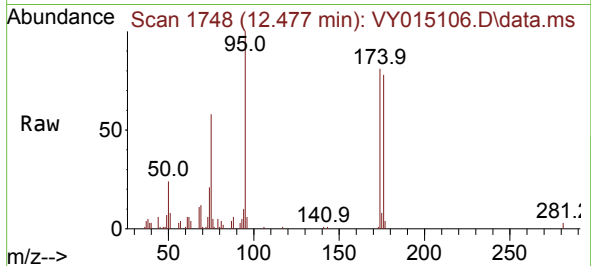




#76
1,2,3-Trichloropropane
Concen: 42.776 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

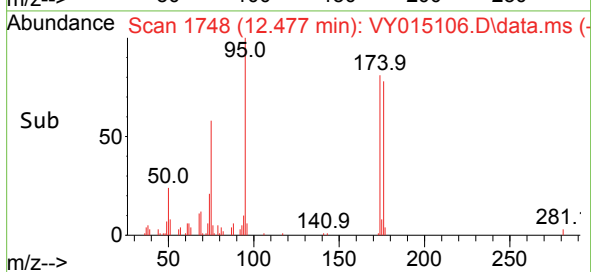
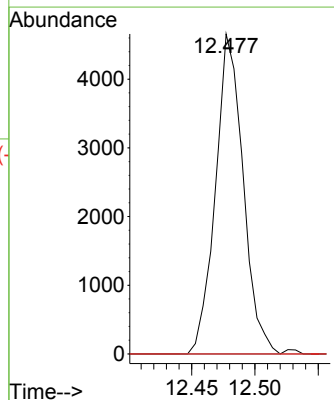
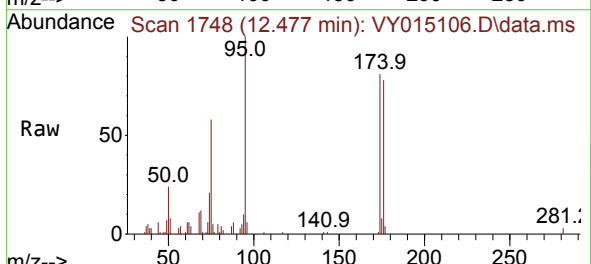
Instrument :
MSVOA_Y
ClientSampleId :

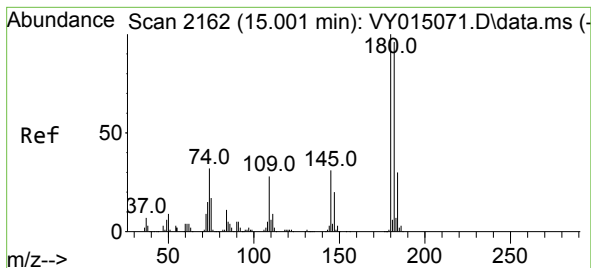
Tgt Ion: 75 Resp: 7072
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.956 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015106.D
Acq: 15 Aug 2023 16:18

Tgt Ion: 75 Resp: 7072
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.289 ug/l

RT: 15.007 min Scan# 2162

Delta R.T. 0.000 min

Lab File: VY015106.D

Acq: 15 Aug 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

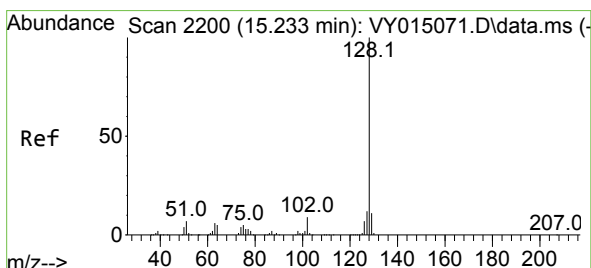
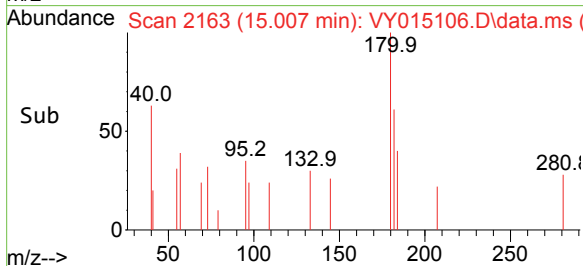
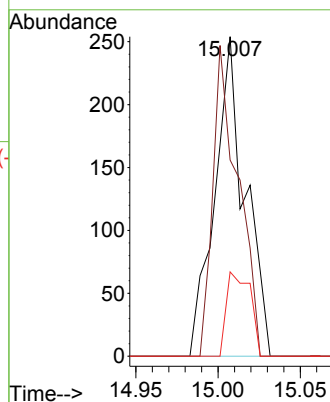
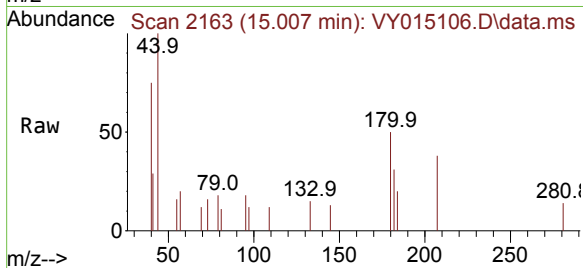
Tgt Ion:180 Resp: 327

Ion Ratio Lower Upper

180 100

182 80.4 47.0 141.2

145 20.5 14.5 43.5



#95

Naphthalene

Concen: 3.286 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015106.D

Acq: 15 Aug 2023 16:18

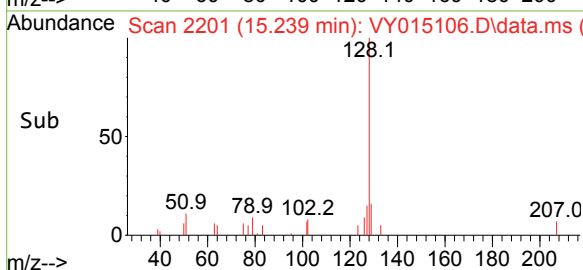
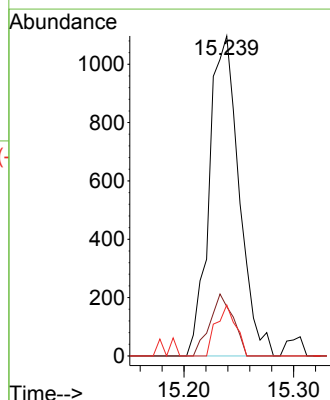
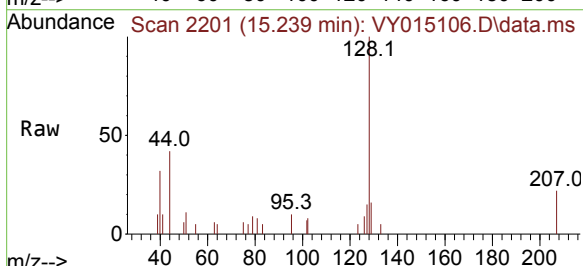
Tgt Ion:128 Resp: 2077

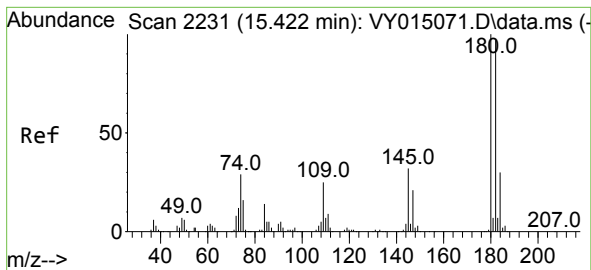
Ion Ratio Lower Upper

128 100

127 15.2 10.8 16.2

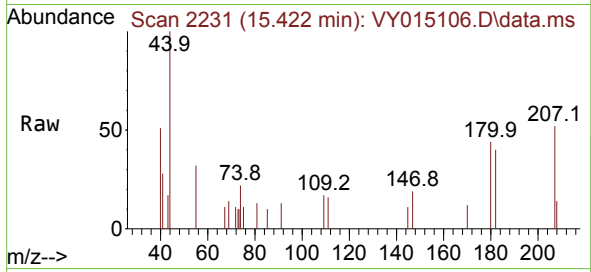
129 10.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.754 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015106.D
 Acq: 15 Aug 2023 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 402
 Ion Ratio Lower Upper
 180 100
 182 77.4 47.3 141.8
 145 11.4 15.4 46.2#

