

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013323.D
 Acq On : 14 Apr 2023 16:54
 Operator : KP/MD
 Sample : 02341-02
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PH1-BOT-2

Quant Time: Apr 17 02:14:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

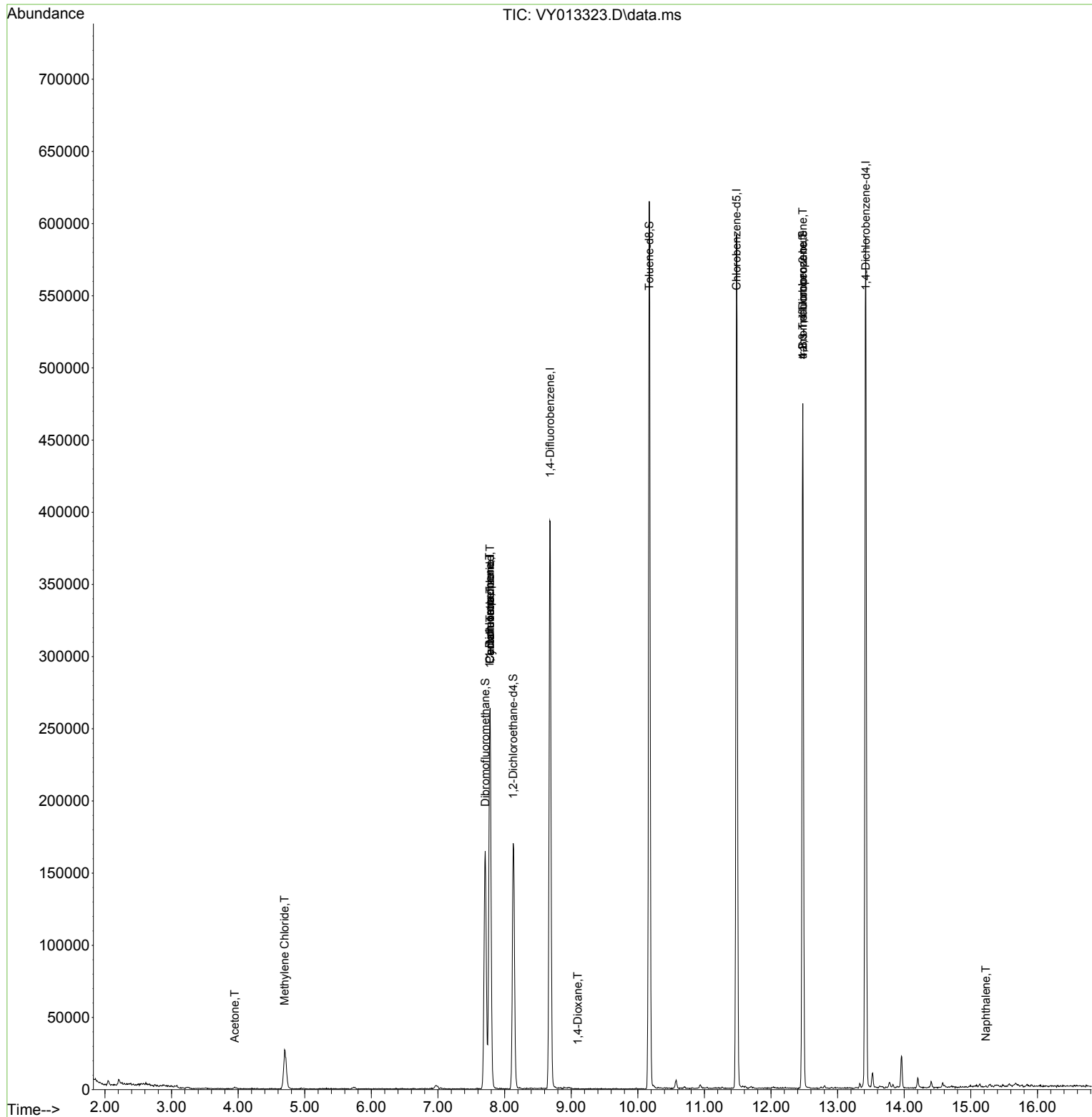
Internal Standards						
1) Pentafluorobenzene	7.783	168	213788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	318380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	141848	55.210	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.420%	
35) Dibromofluoromethane	7.710	113	115655	53.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.440%	
50) Toluene-d8	10.173	98	400303	49.491	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.477	95	135849	51.692	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.380%	
Target Compounds						
11) Tert butyl alcohol	4.948	59	470	Below Cal	#	93
16) Acetone	3.948	43	1252	1.417	ug/l	95
20) Methylene Chloride	4.698	84	19148	4.302	ug/l	93
31) Cyclohexane	7.783	56	4204	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	14653	4.451	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20297	5.576	ug/l #	16
49) 1,4-Dioxane	9.100	88	48	2.380	ug/l #	23
76) 1,2,3-Trichloropropane	12.477	75	70038	35.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70038	74.030	ug/l #	13
95) Naphthalene	15.227	128	321	3.248	ug/l #	79

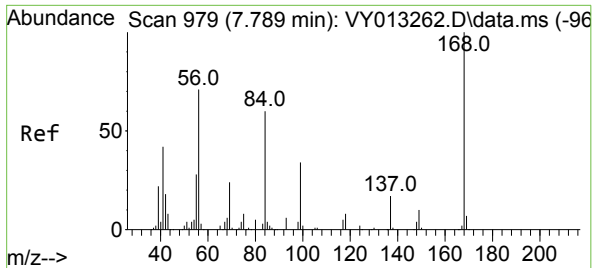
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
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Quant Time: Apr 17 02:14:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

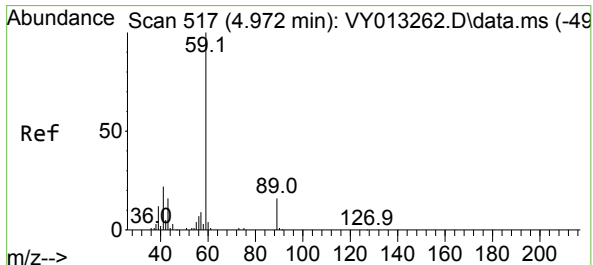
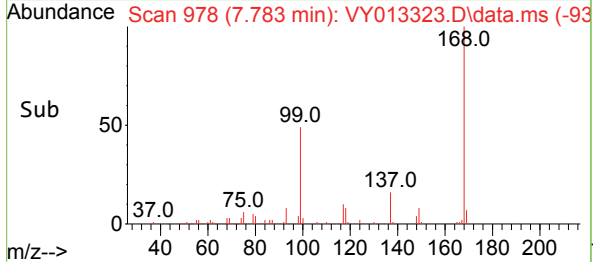
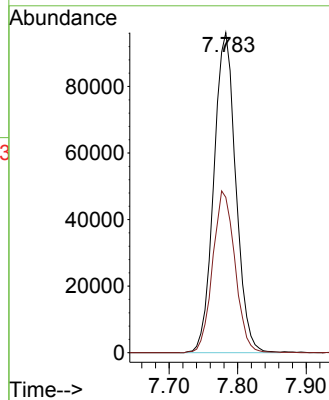
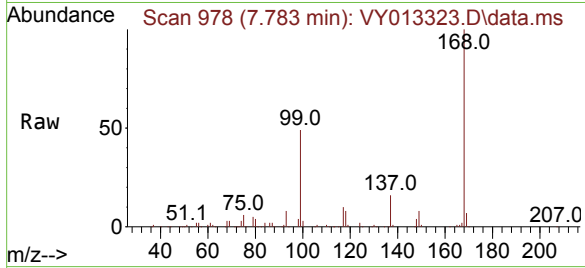




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

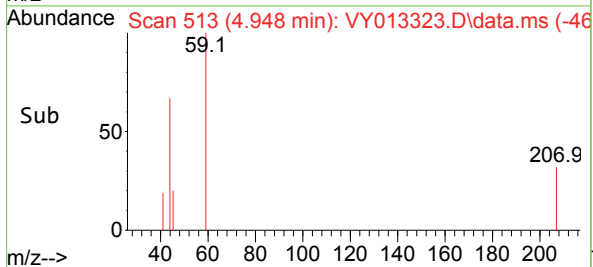
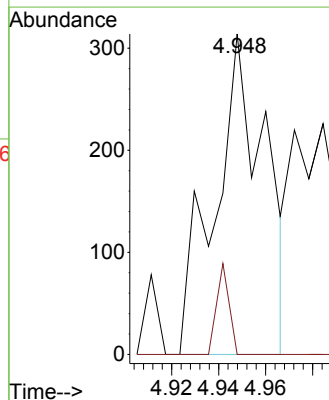
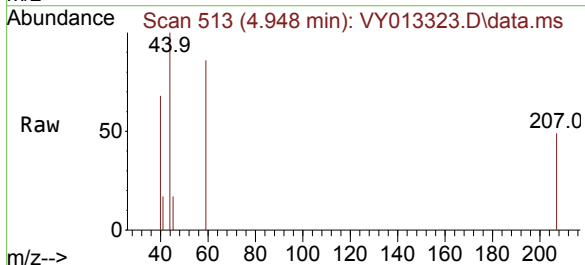
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-2

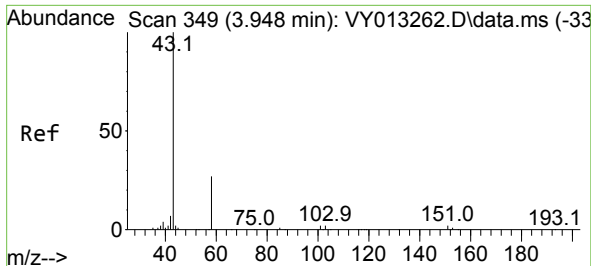
Tgt Ion:168 Resp: 213788
Ion Ratio Lower Upper
168 100
99 48.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 7.0 7.7 11.5#

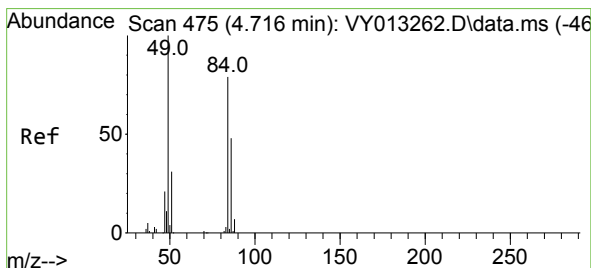
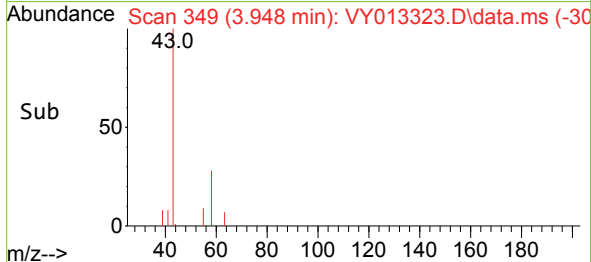
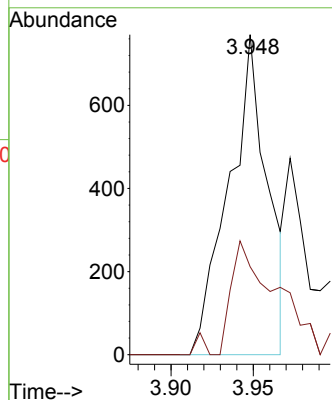
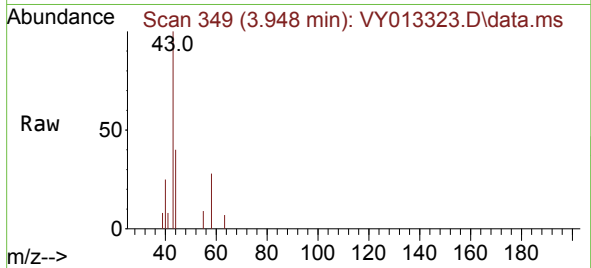




#16
Acetone
Concen: 1.417 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

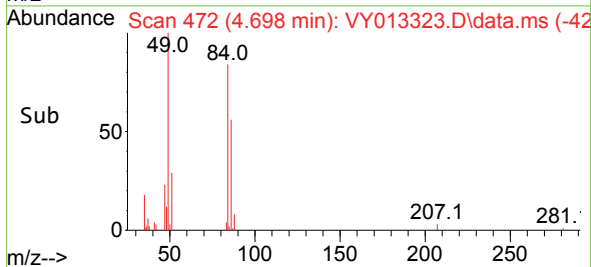
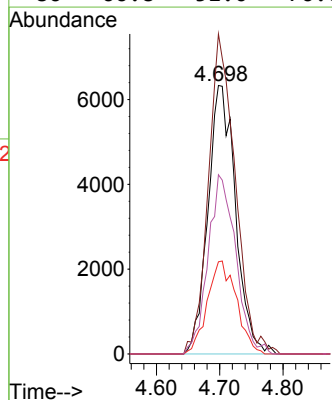
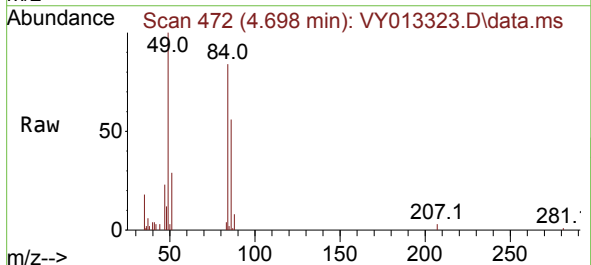
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-2

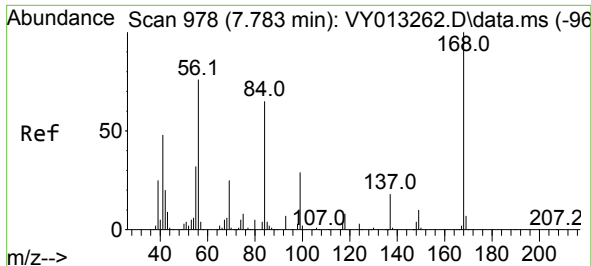
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 27.5 24.2 36.2



#20
Methylene Chloride
Concen: 4.302 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Tgt Ion: 84 Resp: 19148
Ion Ratio Lower Upper
84 100
49 119.2 102.6 154.0
51 34.3 31.9 47.9
86 66.8 51.0 76.6

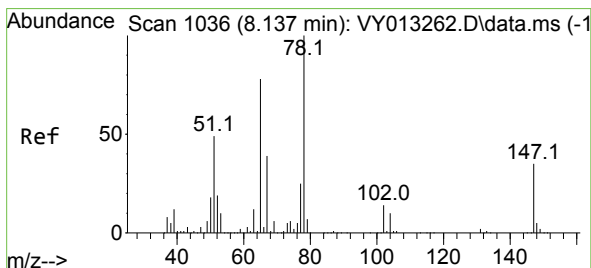
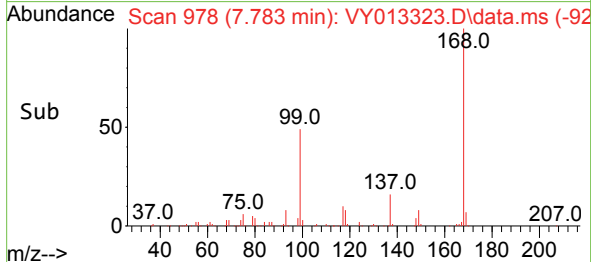
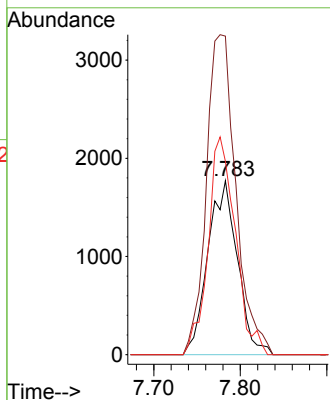
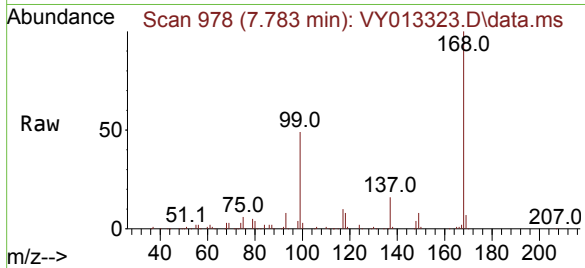




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

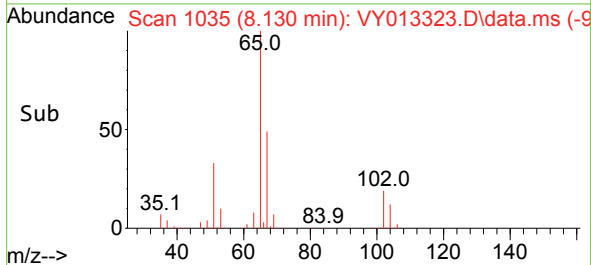
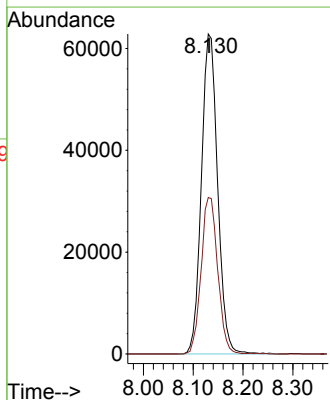
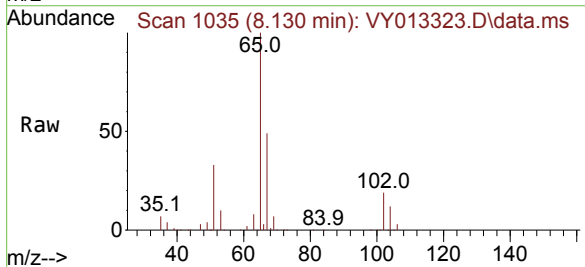
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-2

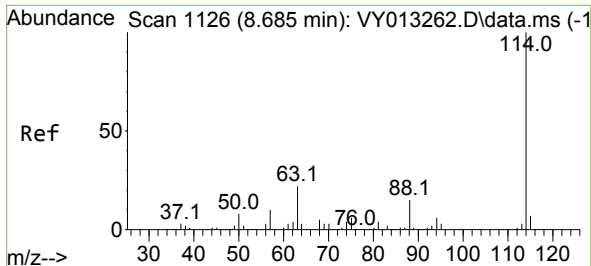
Tgt Ion: 56 Resp: 4204
Ion Ratio Lower Upper
56 100
69 183.1 25.7 38.5#
84 111.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.210 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Tgt Ion: 65 Resp: 141848
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013323.D

Acq: 14 Apr 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

PH1-BOT-2

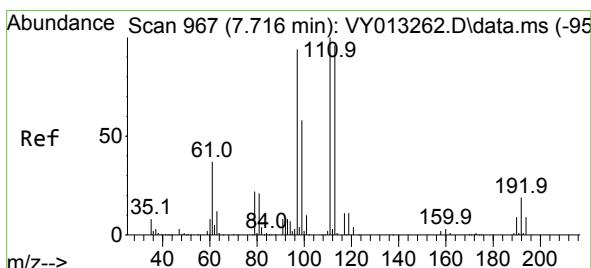
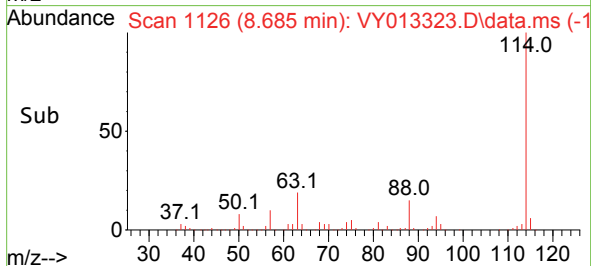
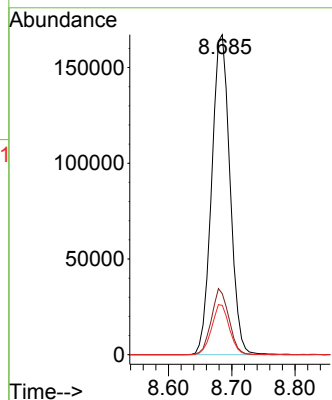
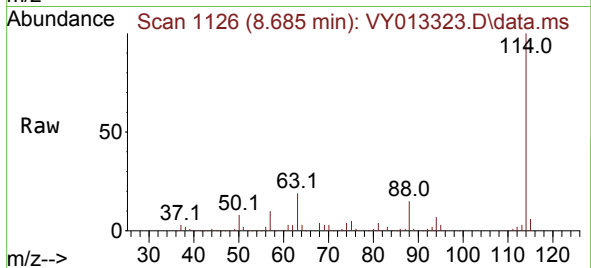
Tgt Ion:114 Resp: 335659

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 53.223 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013323.D

Acq: 14 Apr 2023 16:54

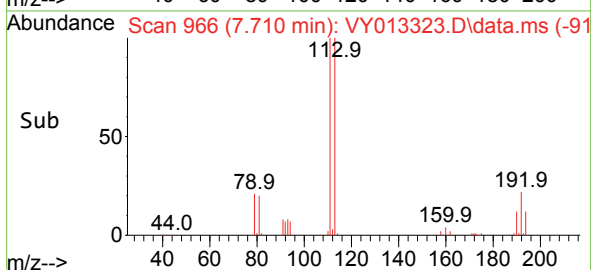
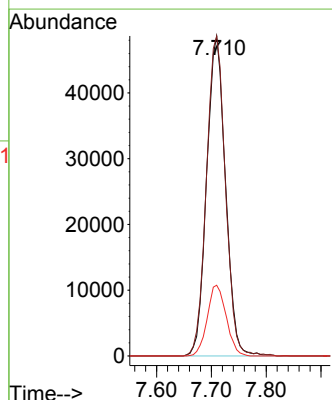
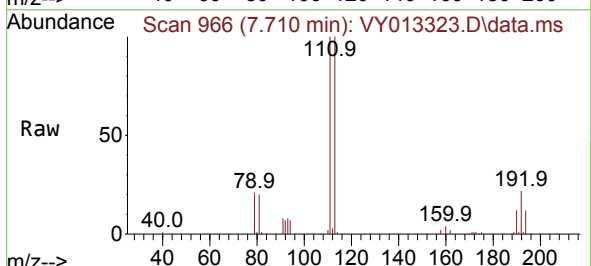
Tgt Ion:113 Resp: 115655

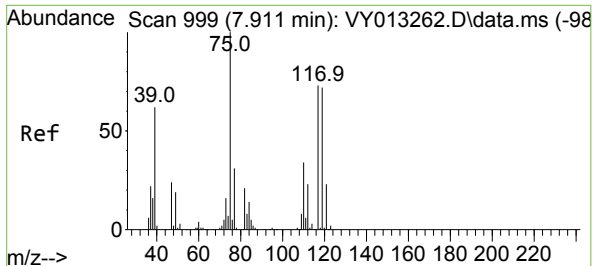
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

192 22.3 16.8 25.2

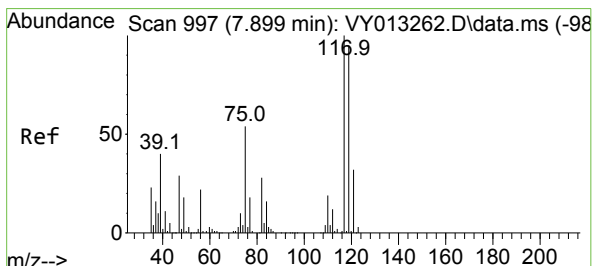
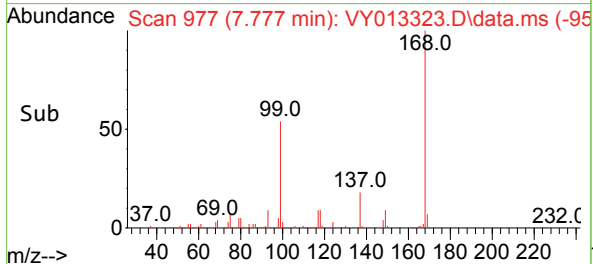
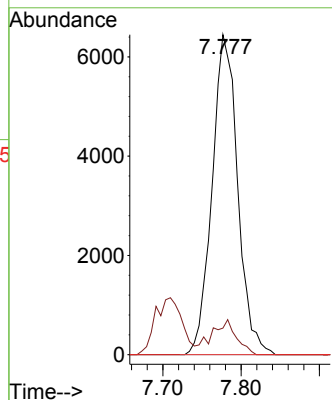
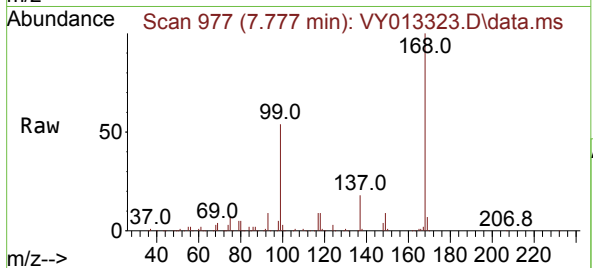




#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.777 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY013323.D
 Acq: 14 Apr 2023 16:54

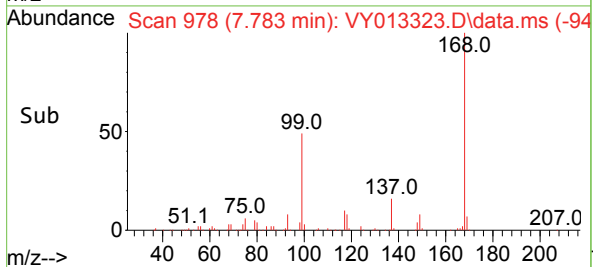
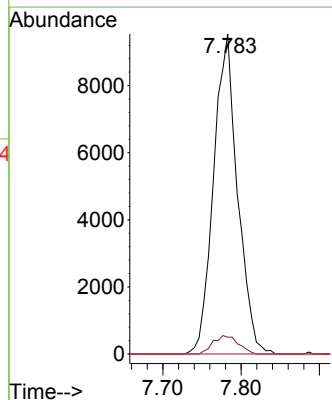
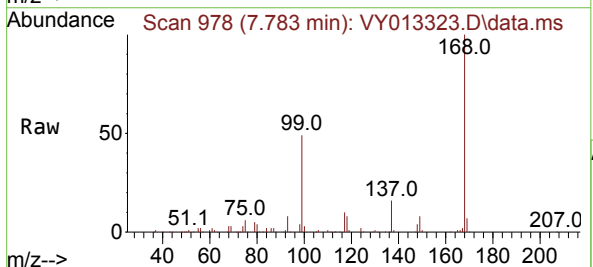
Instrument :
 MSVOA_Y
 ClientSampleId :
 PH1-BOT-2

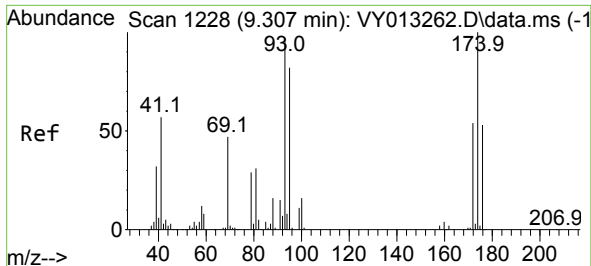
Tgt Ion: 75 Resp: 14653
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.576 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY013323.D
 Acq: 14 Apr 2023 16:54

Tgt Ion: 117 Resp: 20297
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.2 115.8#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 2.380 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.208 min

Lab File: VY013323.D

Acq: 14 Apr 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

PH1-BOT-2

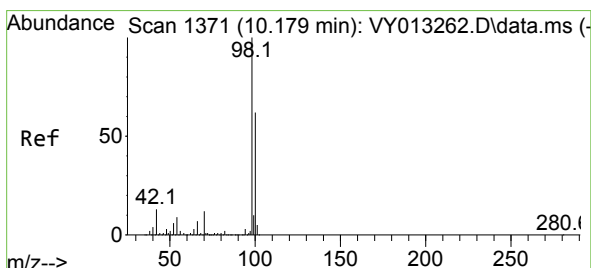
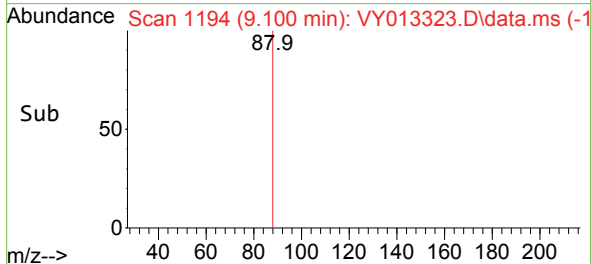
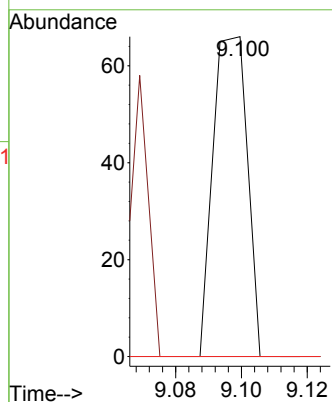
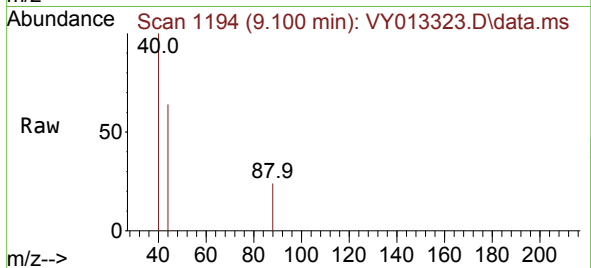
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 49.491 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013323.D

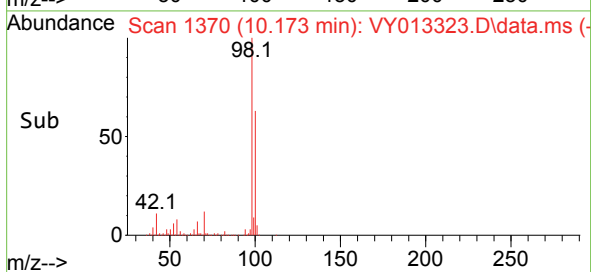
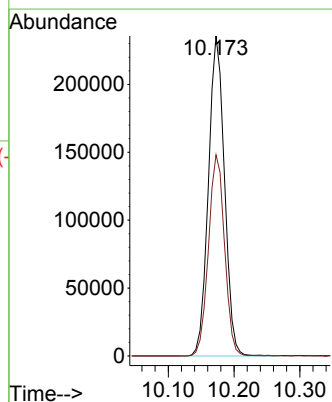
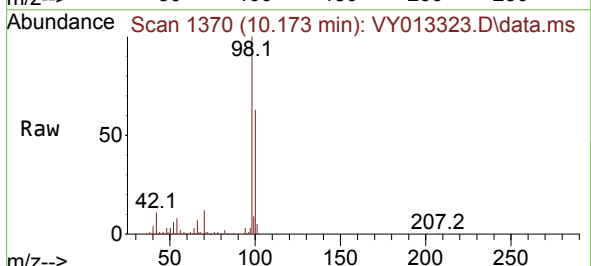
Acq: 14 Apr 2023 16:54

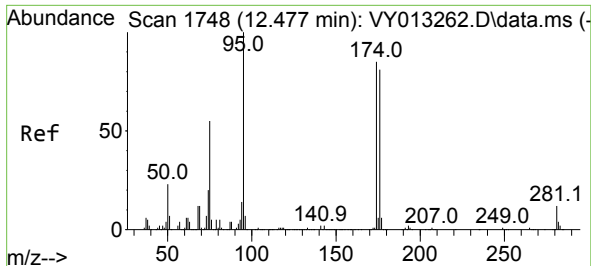
Tgt Ion: 98 Resp: 400303

Ion Ratio Lower Upper

98 100

100 62.9 50.9 76.3

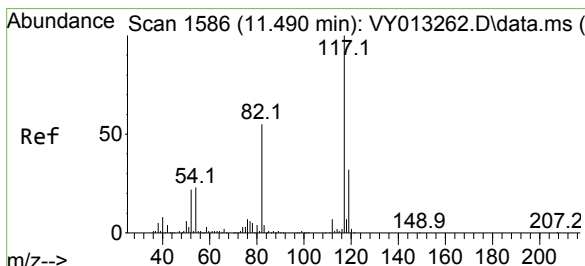
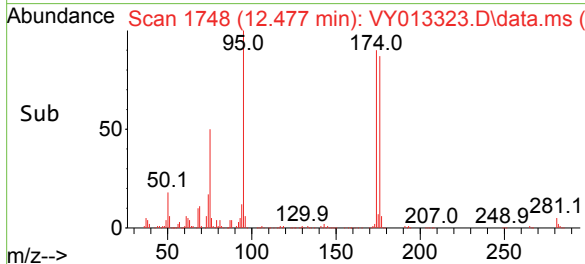
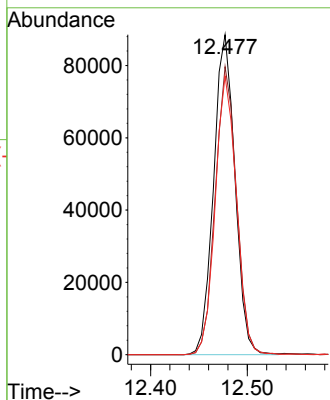
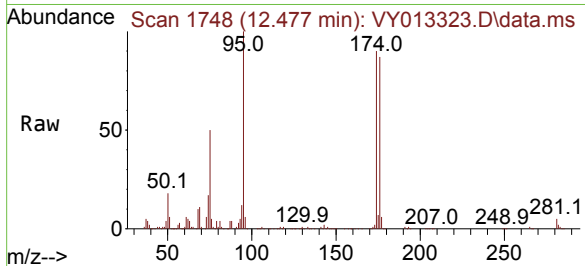




#62
4-Bromofluorobenzene
Concen: 51.692 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

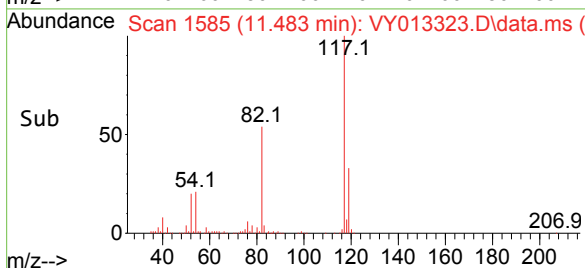
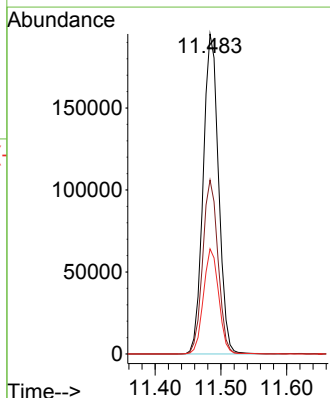
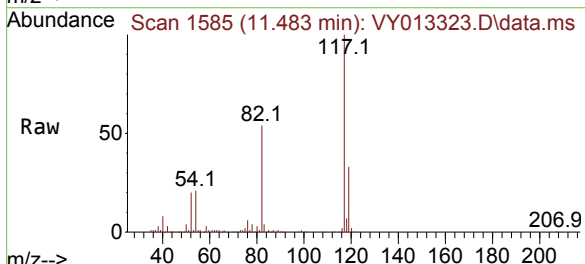
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-2

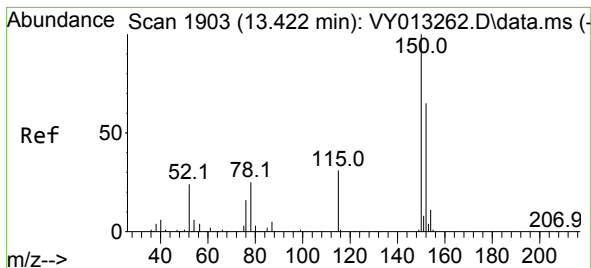
Tgt Ion: 95 Resp: 135849
Ion Ratio Lower Upper
95 100
174 89.5 0.0 176.6
176 86.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Tgt Ion: 117 Resp: 318380
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.0
119 32.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013323.D

Acq: 14 Apr 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

PH1-BOT-2

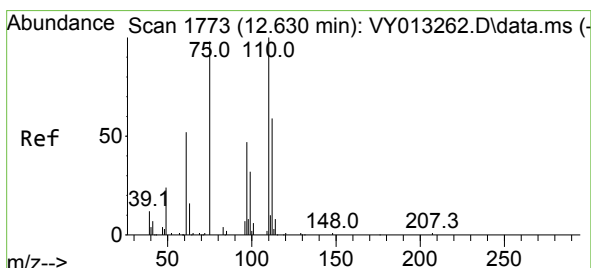
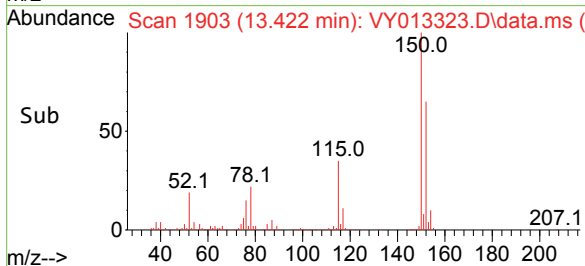
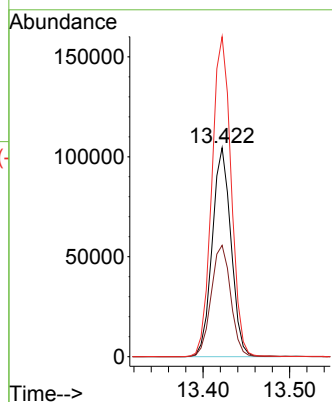
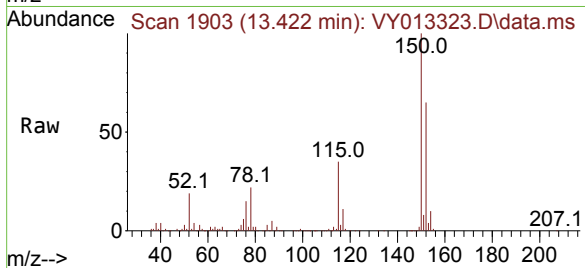
Tgt Ion:152 Resp: 157581

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 157.0 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 35.669 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013323.D

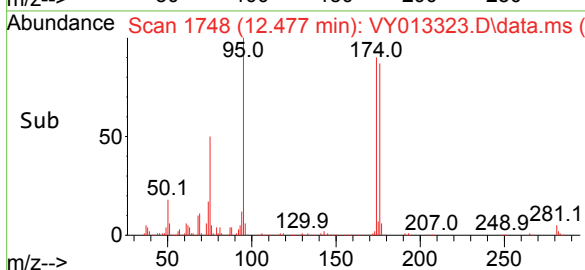
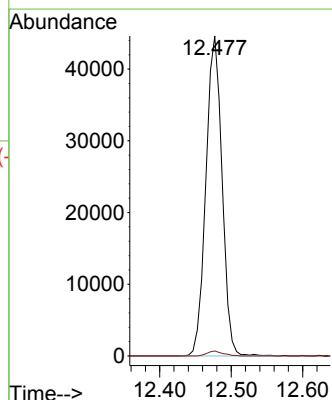
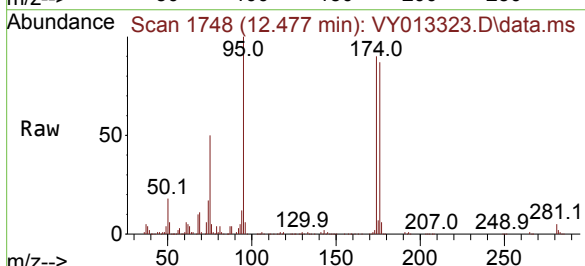
Acq: 14 Apr 2023 16:54

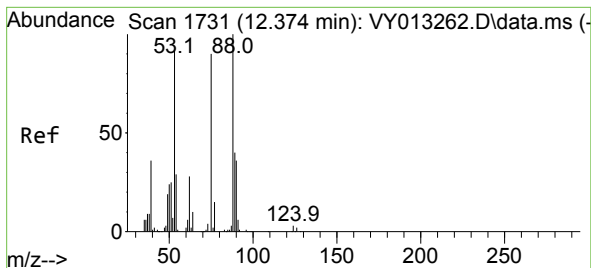
Tgt Ion: 75 Resp: 70038

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

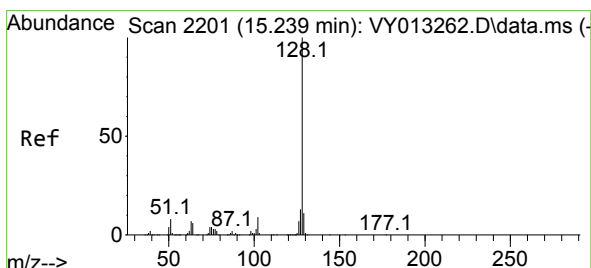
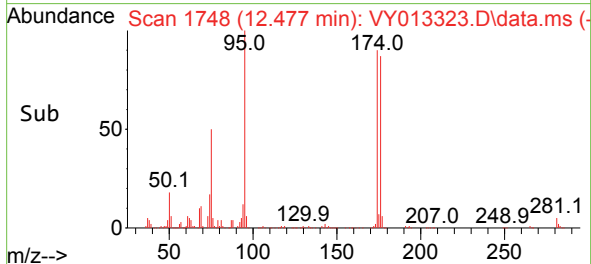
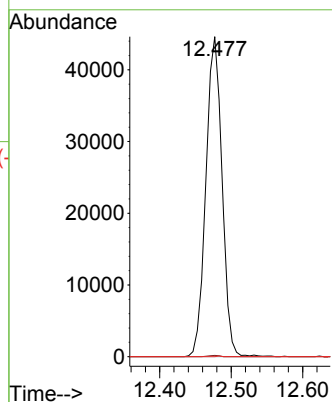
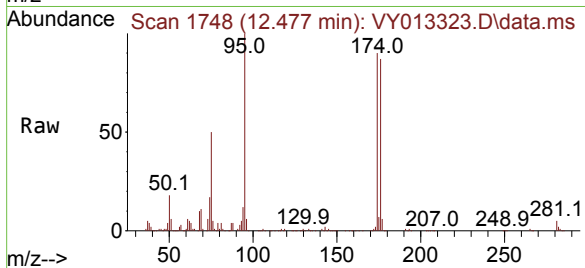




#81
trans-1,4-Dichloro-2-butene
Concen: 74.030 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-2

Tgt Ion: 75 Resp: 70038
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.248 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY013323.D
Acq: 14 Apr 2023 16:54

Tgt Ion: 128 Resp: 321
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.1 8.6 13.0#

