

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013322.D
 Acq On : 14 Apr 2023 16:31
 Operator : KP/MD
 Sample : 02341-01
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PH1-BOT-1

Quant Time: Apr 17 02:13:59 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)

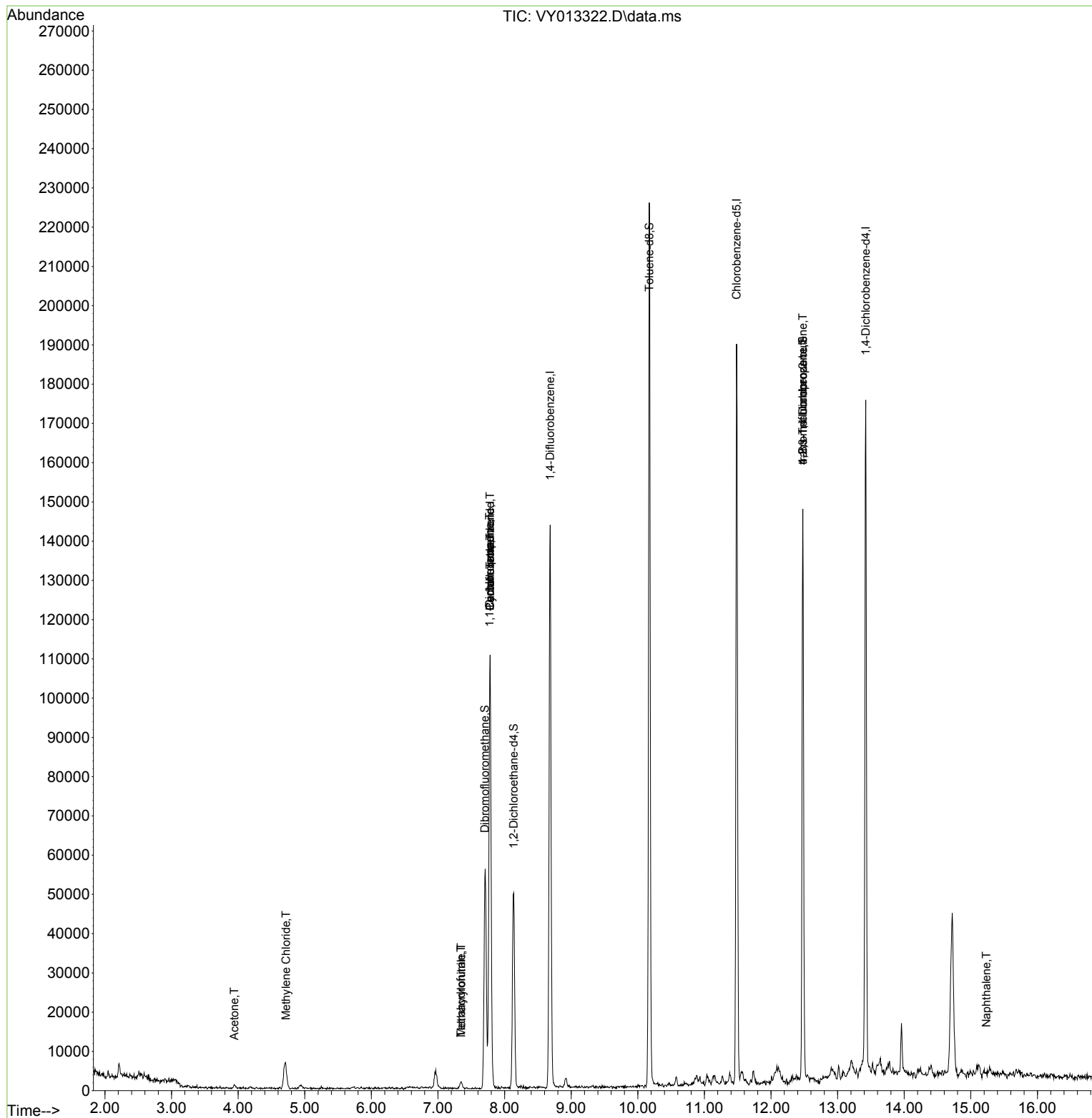
Internal Standards						
1) Pentafluorobenzene	7.783	168	88101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	119738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	105775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	41961	39.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.260%
35) Dibromofluoromethane	7.704	113	38845	50.111	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.173	98	145925	50.575	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.477	95	41846	44.636	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1670	Below Cal	#	86
16) Acetone	3.942	43	1458	4.005	ug/l #	70
20) Methylene Chloride	4.716	84	5163	1.200	ug/l #	68
29) Tetrahydrofuran	7.344	42	1410	4.981	ug/l #	82
31) Cyclohexane	7.783	56	1983	1.239	ug/l #	42
36) 1,1-Dichloropropene	7.777	75	6071	5.170	ug/l #	54
38) Carbon Tetrachloride	7.783	117	9041	6.963	ug/l #	16
41) Methacrylonitrile	7.350	41	896	2.281	ug/l #	100
76) 1,2,3-Trichloropropane	12.477	75	20931	35.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20931	74.128	ug/l #	13
95) Naphthalene	15.233	128	601	3.477	ug/l #	74

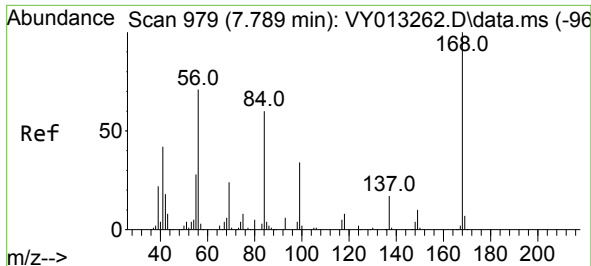
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
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PH1-BOT-1

Quant Time: Apr 17 02:13:59 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

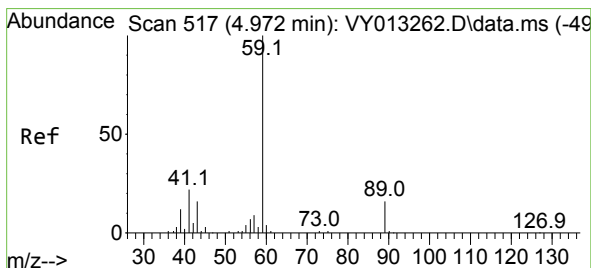
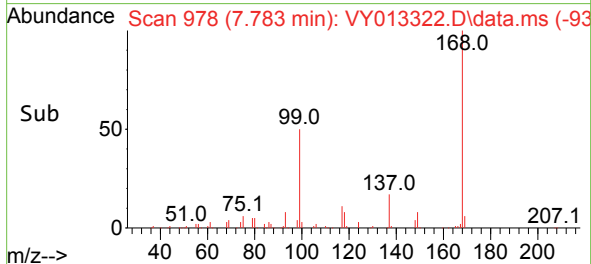
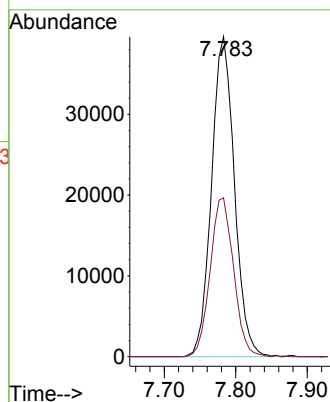
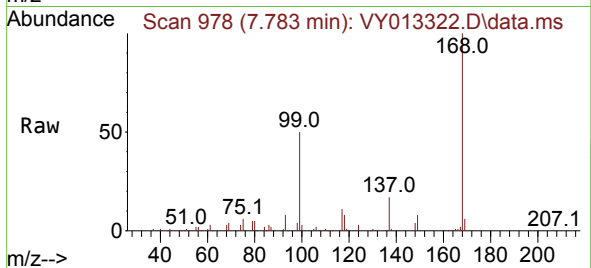




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

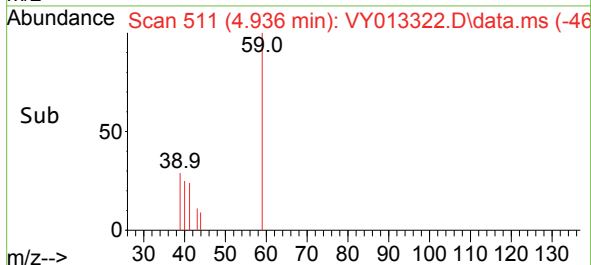
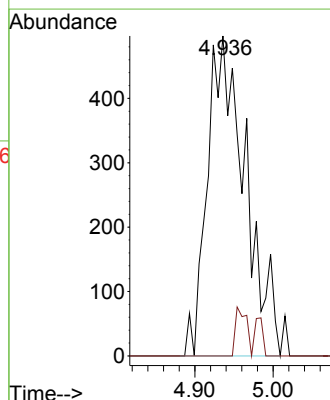
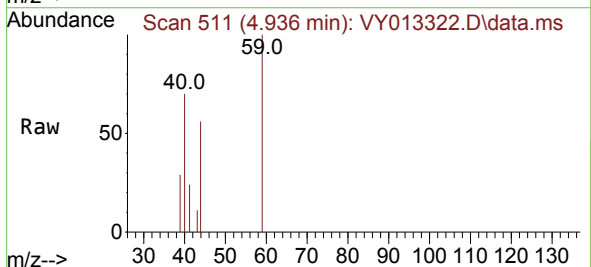
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

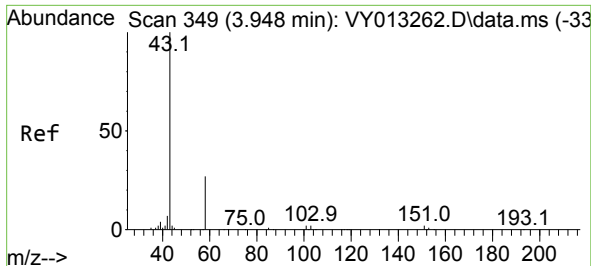
Tgt Ion:168 Resp: 88101
Ion Ratio Lower Upper
168 100
99 49.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 59 Resp: 1670
Ion Ratio Lower Upper
59 100
57 4.4 7.7 11.5#

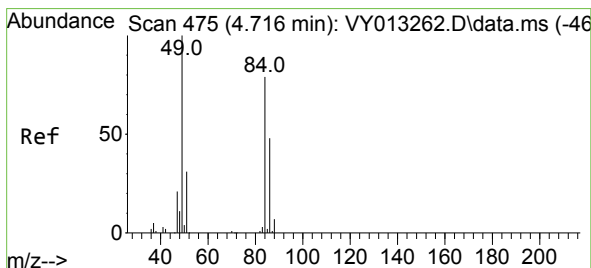
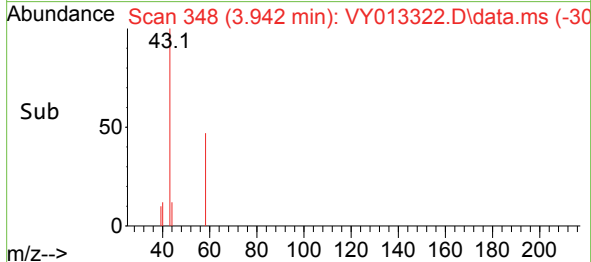
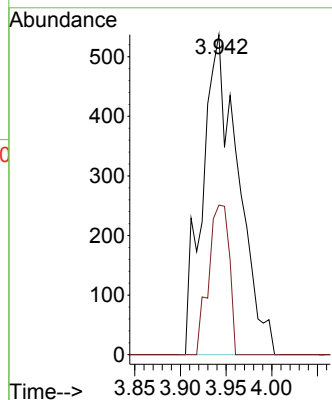
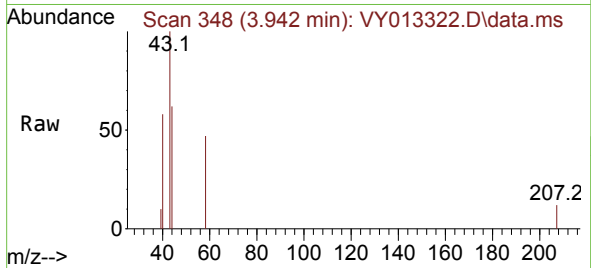




#16
Acetone
Concen: 4.005 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

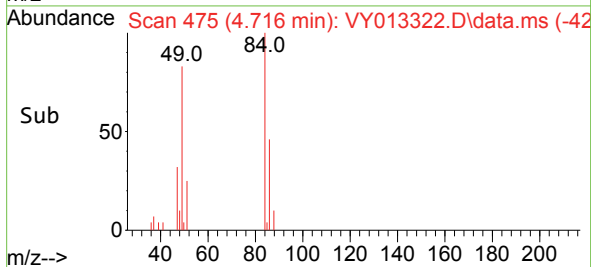
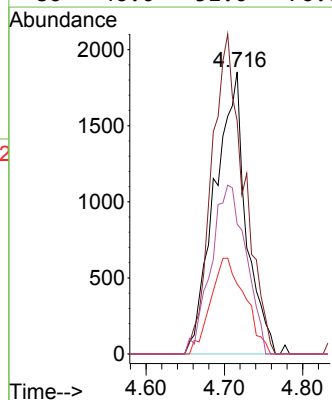
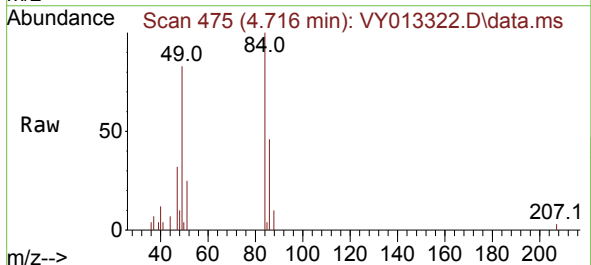
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

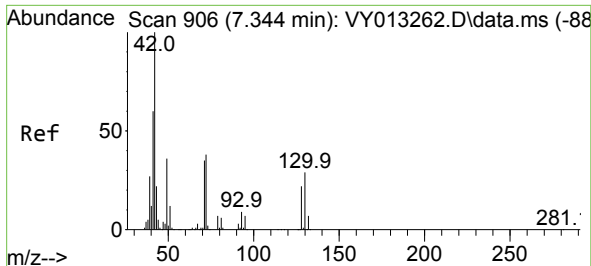
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 46.7 24.2 36.2#



#20
Methylene Chloride
Concen: 1.200 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 84 Resp: 5163
Ion Ratio Lower Upper
84 100
49 82.7 102.6 154.0#
51 24.8 31.9 47.9#
86 46.0 51.0 76.6#





#29

Tetrahydrofuran

Concen: 4.981 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY013322.D

Acq: 14 Apr 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

PH1-BOT-1

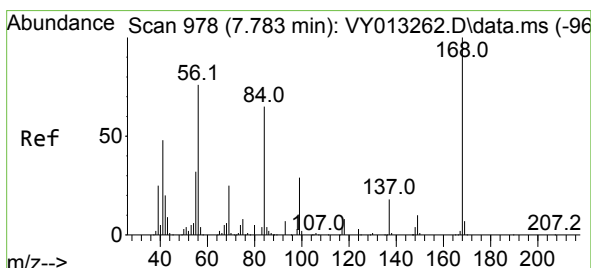
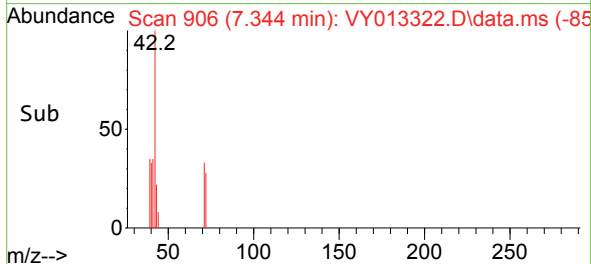
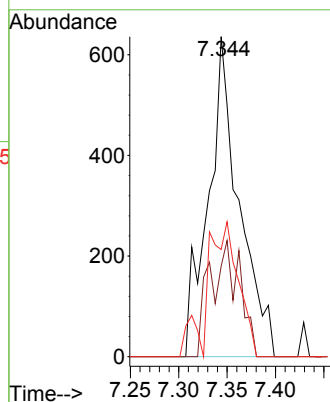
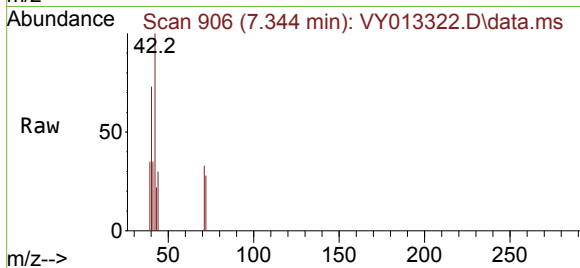
Tgt Ion: 42 Resp: 1410

Ion Ratio Lower Upper

42 100

72 23.1 32.3 48.5#

71 42.9 30.3 45.5



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013322.D

Acq: 14 Apr 2023 16:31

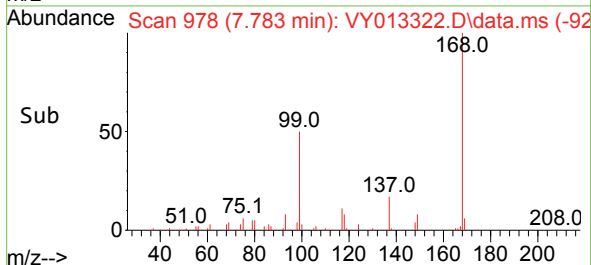
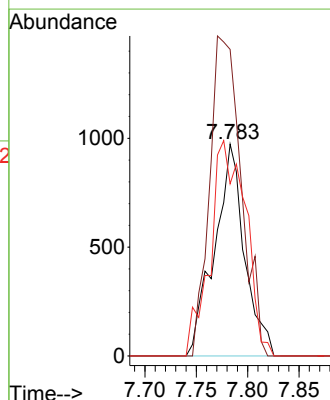
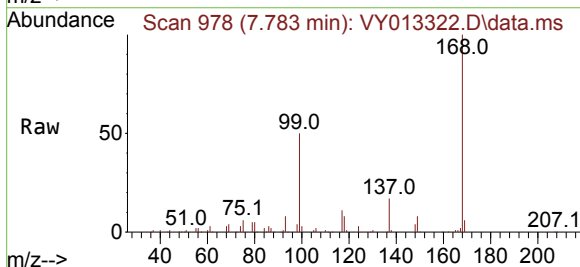
Tgt Ion: 56 Resp: 1983

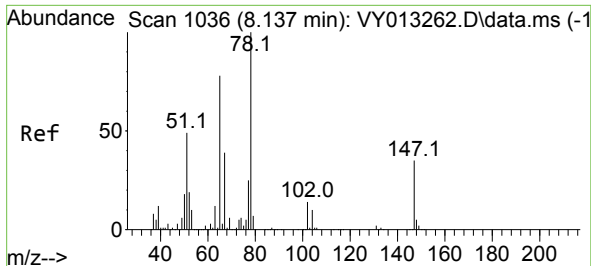
Ion Ratio Lower Upper

56 100

69 144.7 25.7 38.5#

84 81.3 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 39.632 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013322.D

Acq: 14 Apr 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

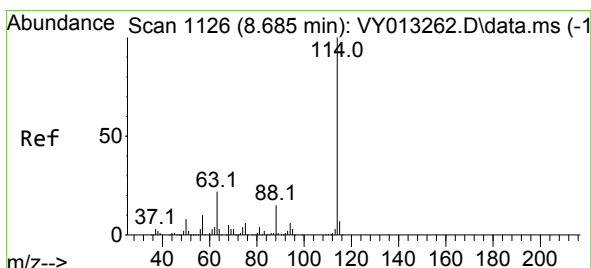
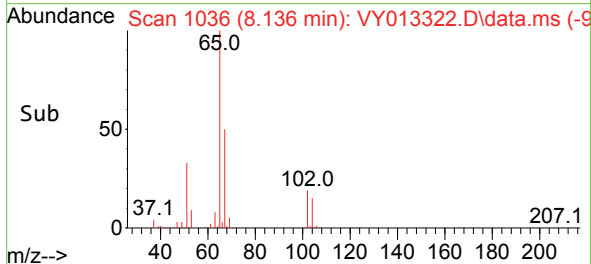
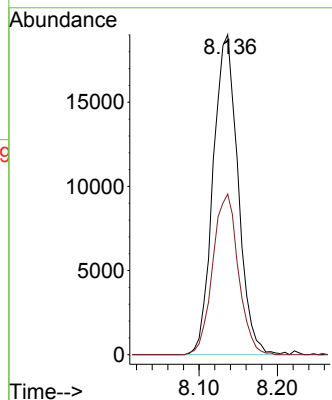
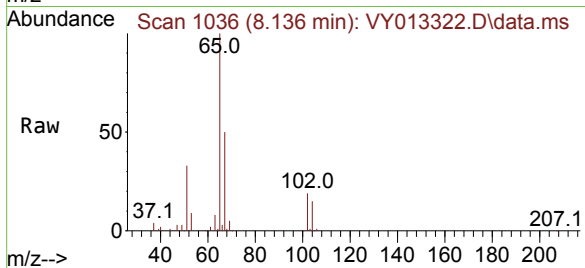
PH1-BOT-1

Tgt Ion: 65 Resp: 41961

Ion Ratio Lower Upper

65 100

67 51.7 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: VY013322.D

Acq: 14 Apr 2023 16:31

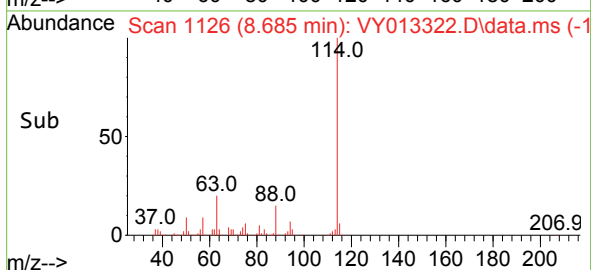
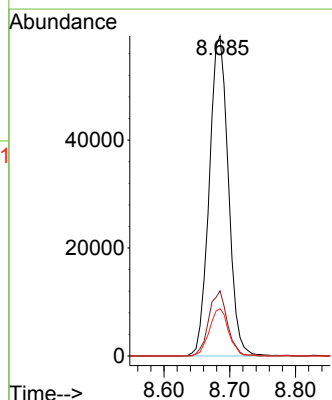
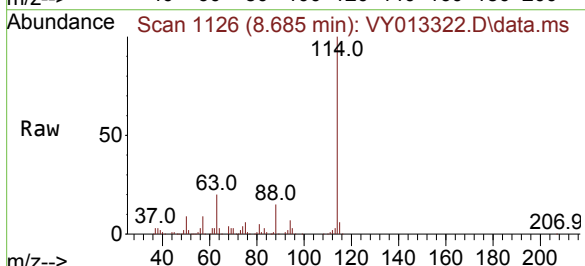
Tgt Ion: 114 Resp: 119738

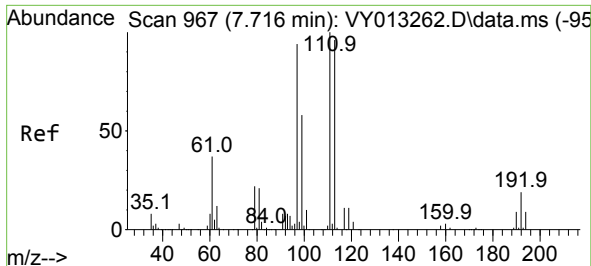
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 14.8 0.0 28.6

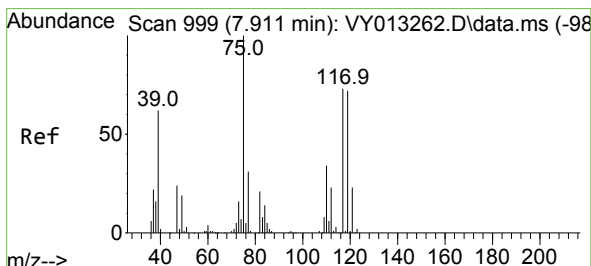
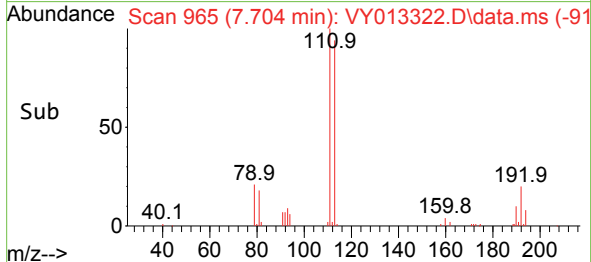
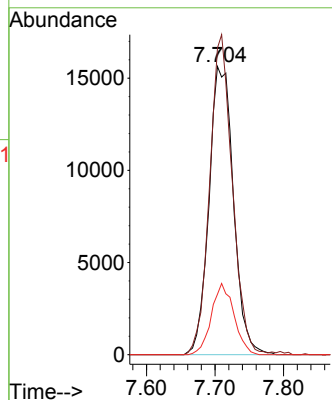
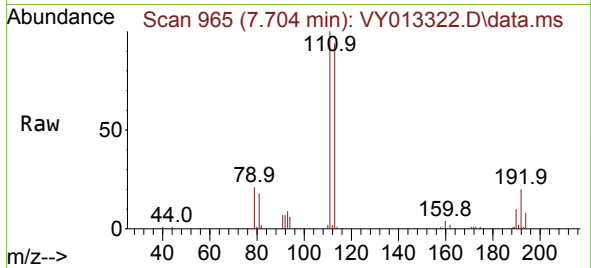




#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 7.704 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

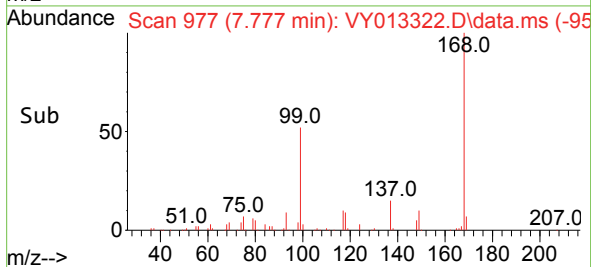
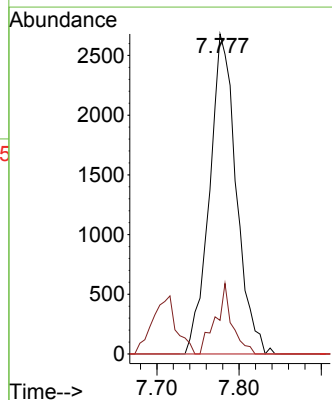
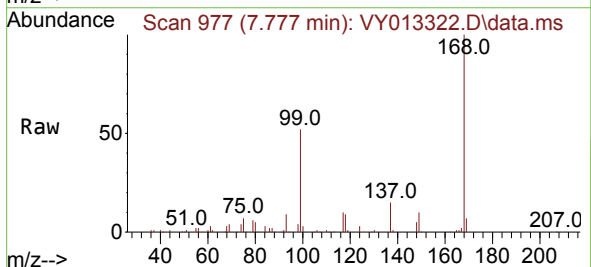
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

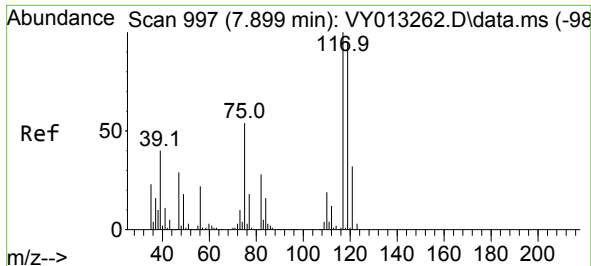
Tgt Ion:113 Resp: 38845
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 22.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 75 Resp: 6071
Ion Ratio Lower Upper
75 100
110 13.5 17.8 53.3#
77 0.0 25.0 37.4#

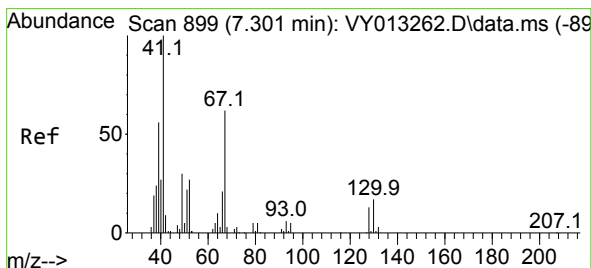
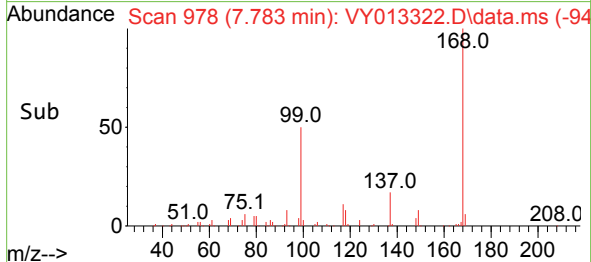
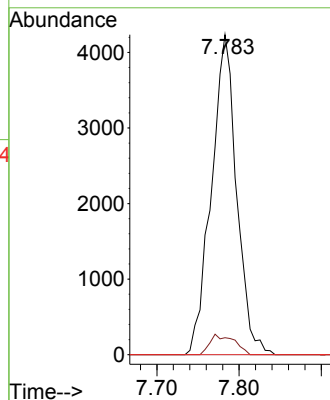
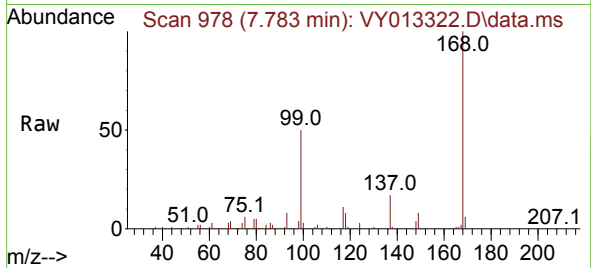




#38
Carbon Tetrachloride
Concen: 6.963 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

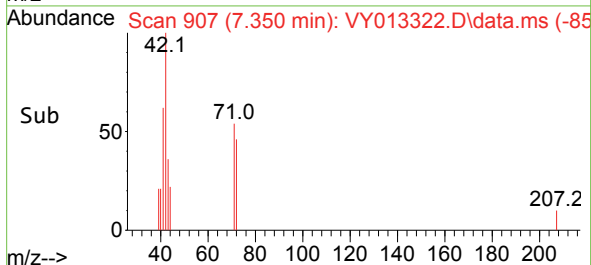
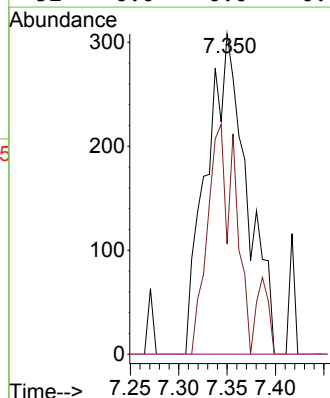
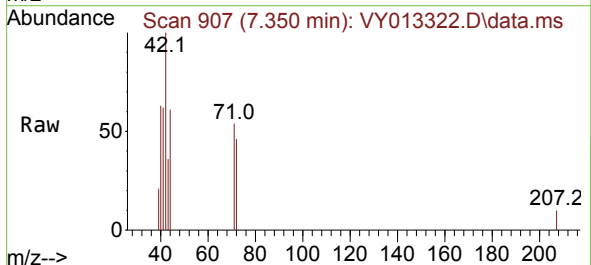
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

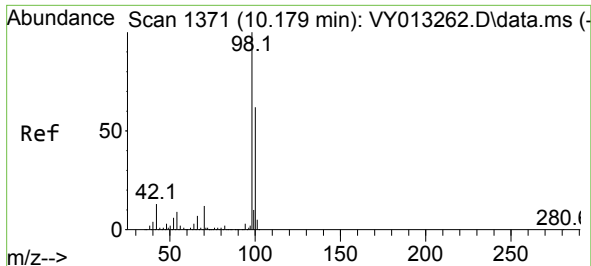
Tgt Ion:117 Resp: 9041
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 2.281 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.049 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 41 Resp: 896
Ion Ratio Lower Upper
41 100
39 49.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

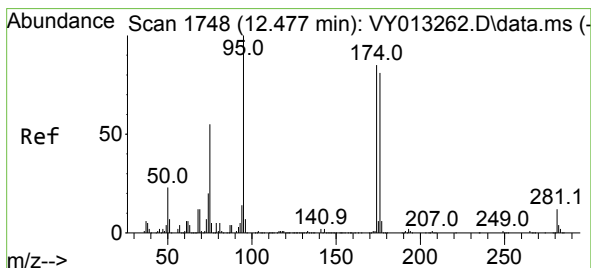
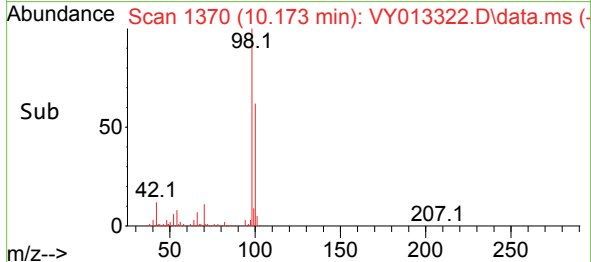
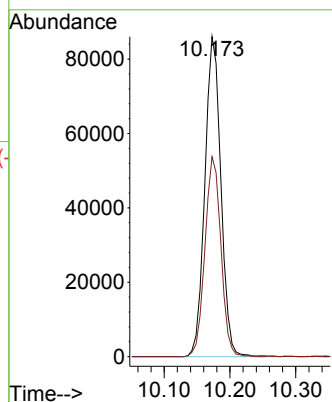
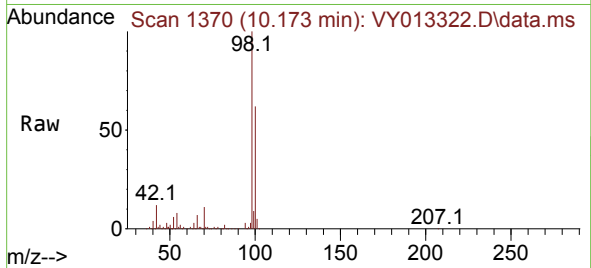




#50
Toluene-d8
Concen: 50.575 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

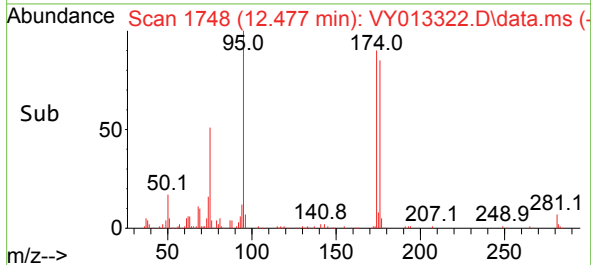
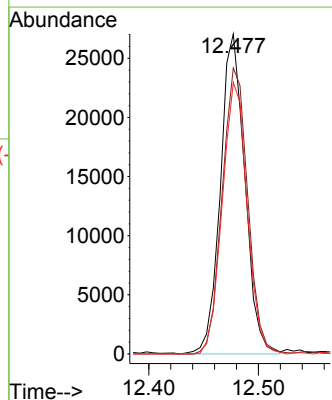
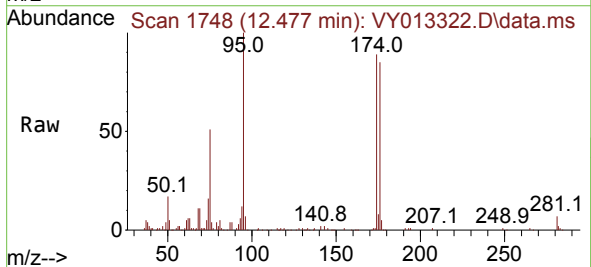
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

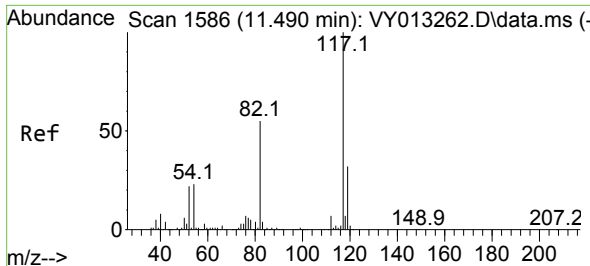
Tgt Ion: 98 Resp: 145925
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.636 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 95 Resp: 41846
Ion Ratio Lower Upper
95 100
174 93.6 0.0 176.6
176 86.6 0.0 170.2

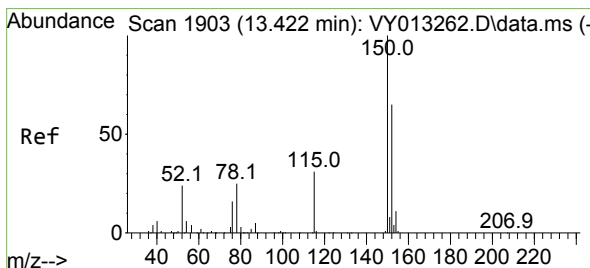
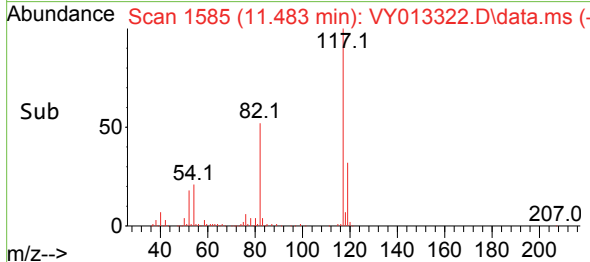
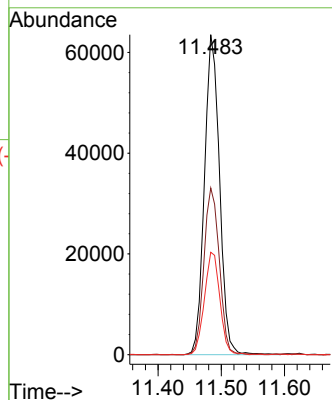
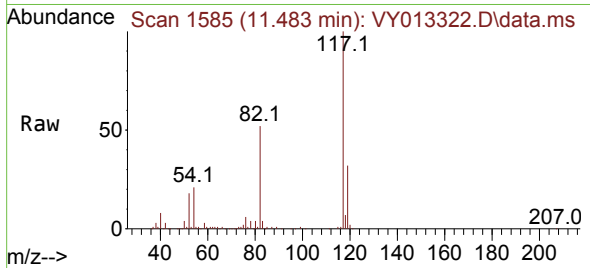




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

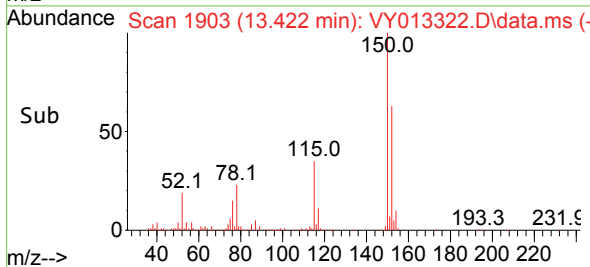
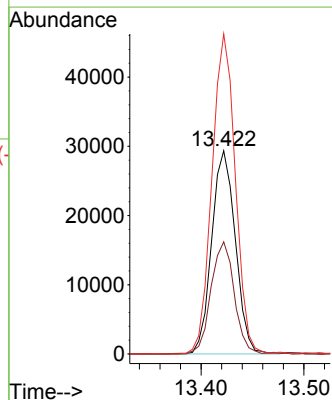
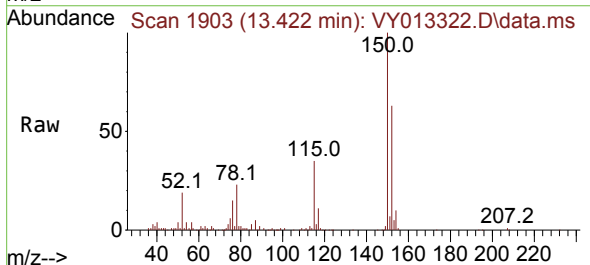
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

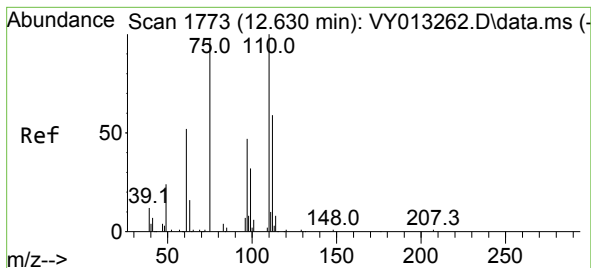
Tgt Ion:117 Resp: 105775
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion:152 Resp: 47031
Ion Ratio Lower Upper
152 100
115 54.5 27.1 81.3
150 155.0 0.0 347.8

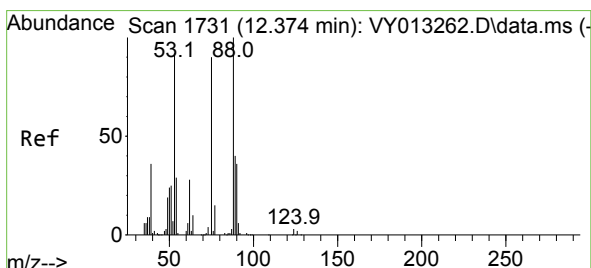
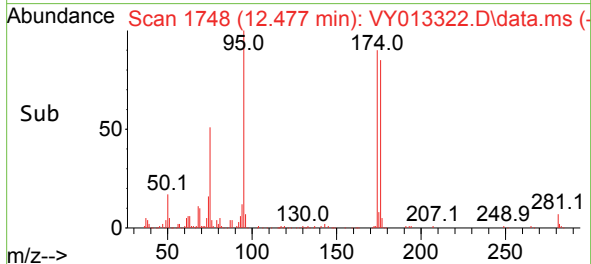
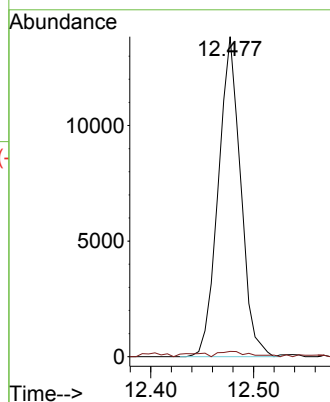
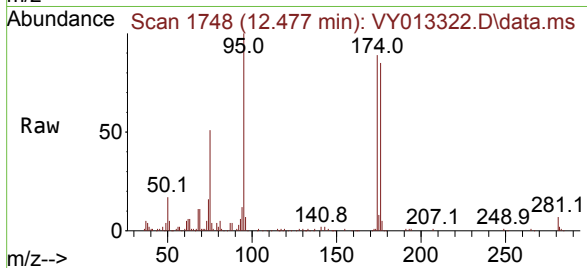




#76
1,2,3-Trichloropropane
Concen: 35.716 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

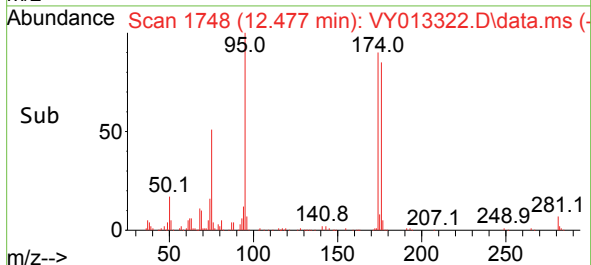
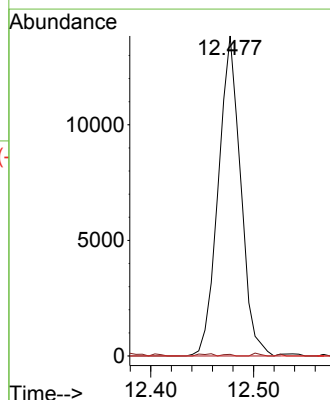
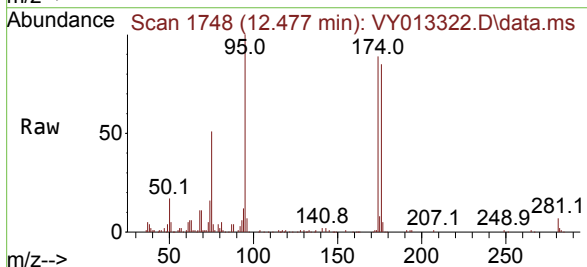
Instrument :
MSVOA_Y
ClientSampleId :
PH1-BOT-1

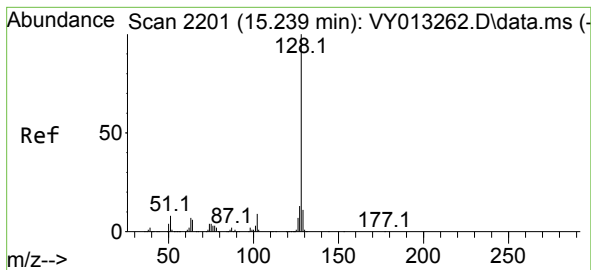
Tgt Ion: 75 Resp: 20931
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.128 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY013322.D
Acq: 14 Apr 2023 16:31

Tgt Ion: 75 Resp: 20931
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 3.477 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013322.D

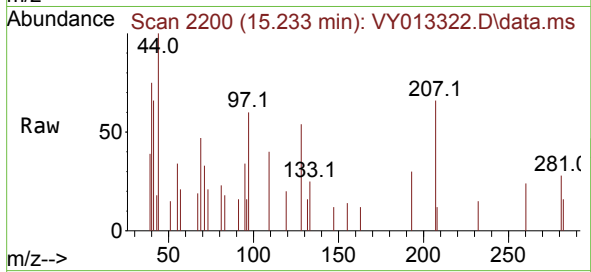
Acq: 14 Apr 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

PH1-BOT-1



Tgt Ion:128 Resp: 601

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 3.8 8.6 13.0#

