

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013031.D
 Acq On : 21 Mar 2023 16:45
 Operator : KP/MD
 Sample : 02023-05
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-TEST-PIT-ON-GRAVELLY

Quant Time: Mar 22 04:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

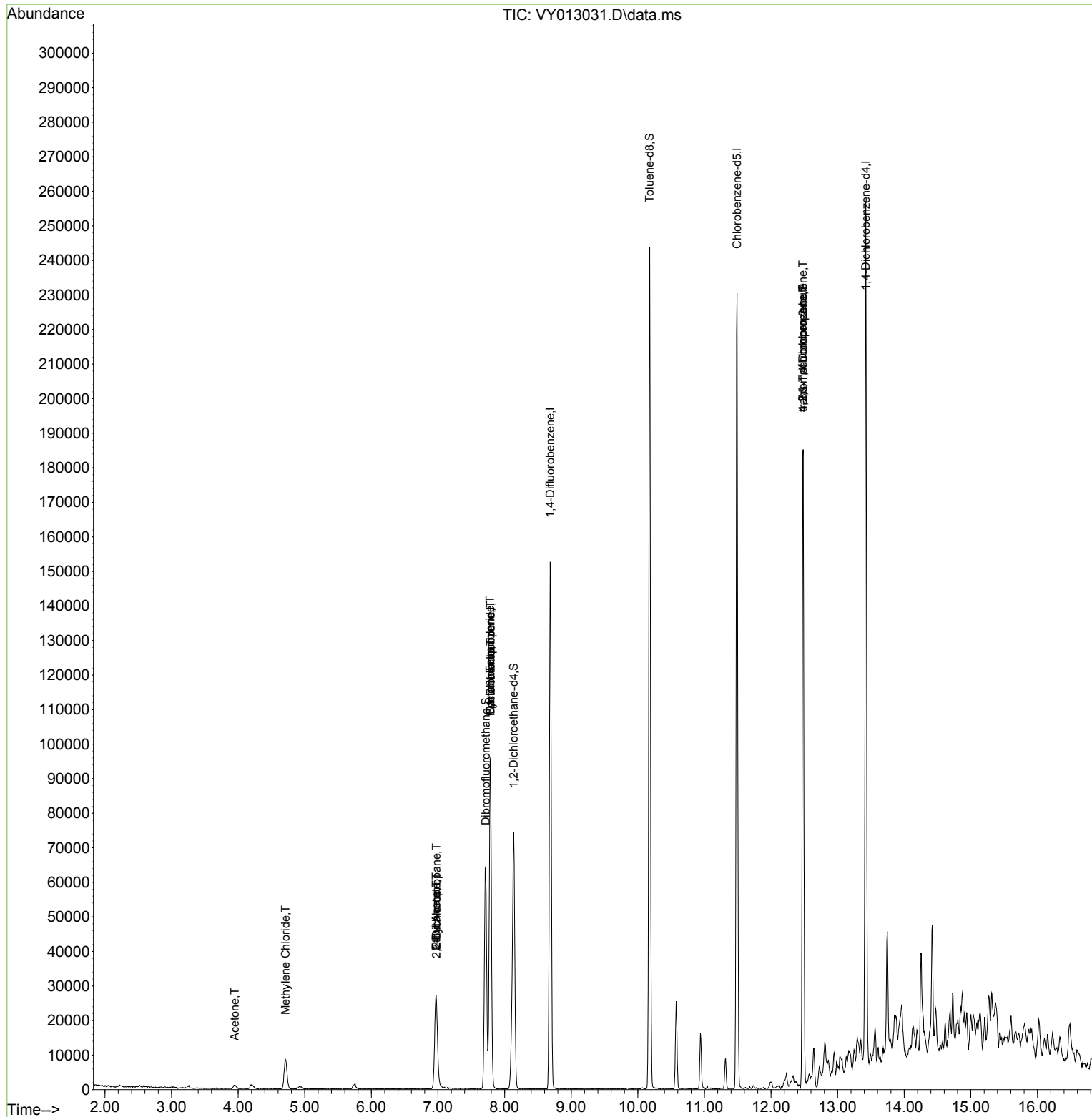
Internal Standards						
1) Pentafluorobenzene	7.789	168	75655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	128187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	121010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51717	68.850	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.700%			
35) Dibromofluoromethane	7.716	113	45797	59.199	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.400%			
50) Toluene-d8	10.179	98	154661	54.686	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.380%			
62) 4-Bromofluorobenzene	12.477	95	49466	51.820	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.640%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.929	59	629	Below Cal	#	74
16) Acetone	3.948	43	2153	7.302	ug/l #	82
20) Methylene Chloride	4.710	84	6187	1.685	ug/l #	94
25) 2-Butanone	6.972	43	1736	4.754	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	1984	1.500	ug/l #	52
31) Cyclohexane	7.789	56	1723	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5894	4.546	ug/l #	50
37) Ethyl Acetate	6.972	43	1736	2.125	ug/l #	1
38) Carbon Tetrachloride	7.783	117	7119	5.318	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	26808	37.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	26808	76.671	ug/l #	13

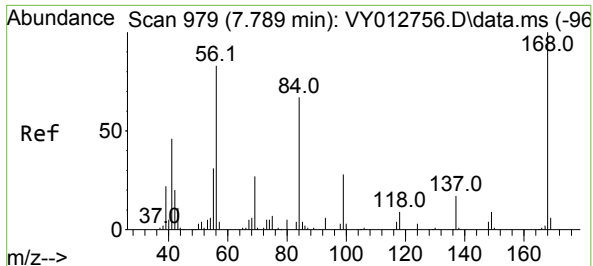
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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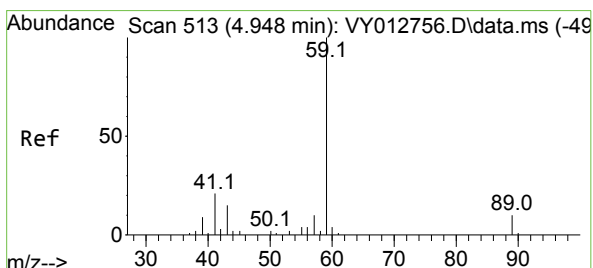
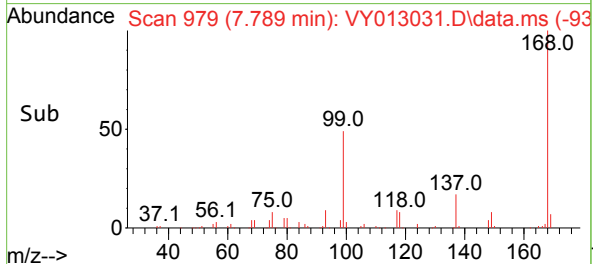
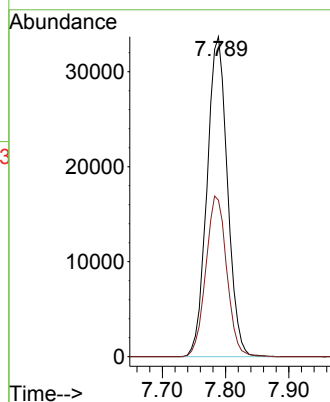
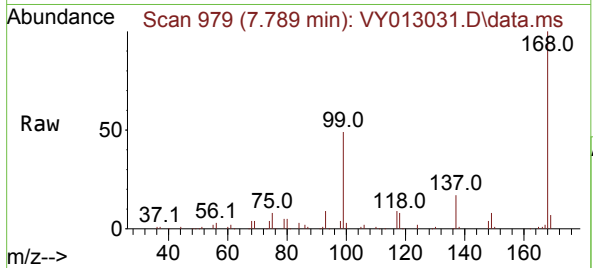




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

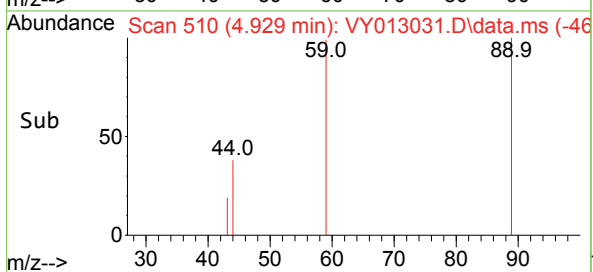
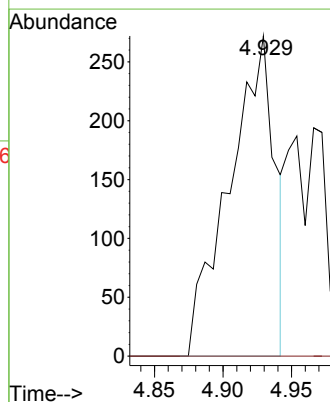
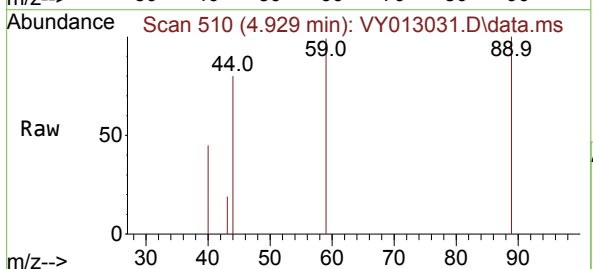
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-TEST-PIT-ON-GRAVELLY

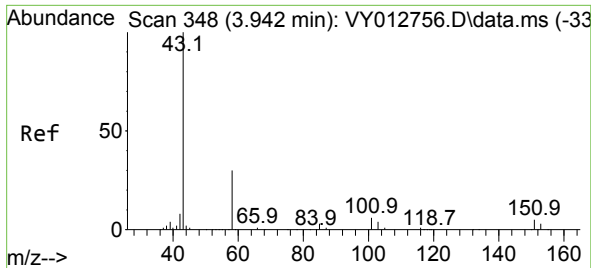
Tgt Ion:168 Resp: 75655
Ion Ratio Lower Upper
168 100
99 48.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 510
Delta R.T. -0.019 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

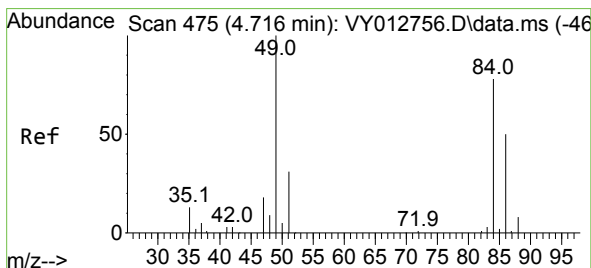
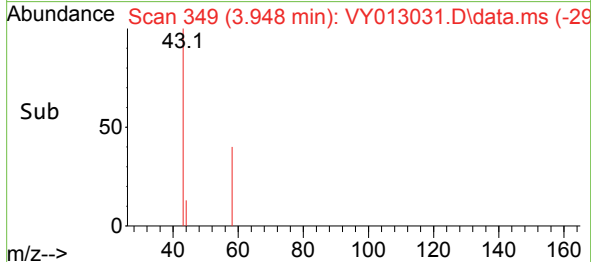
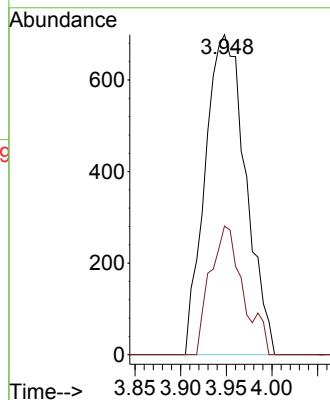
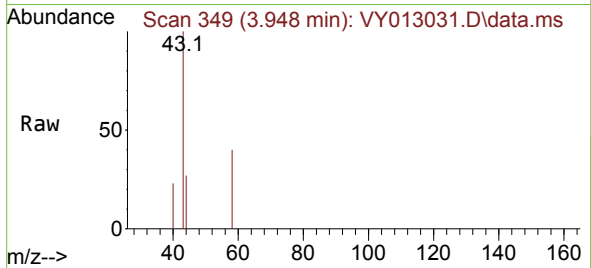




#16
Acetone
Concen: 7.302 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

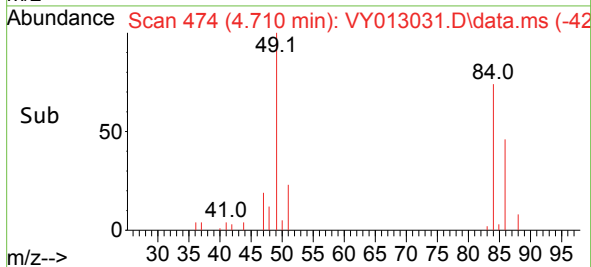
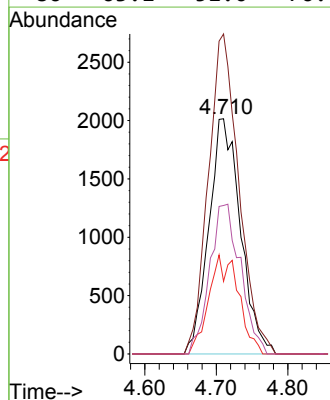
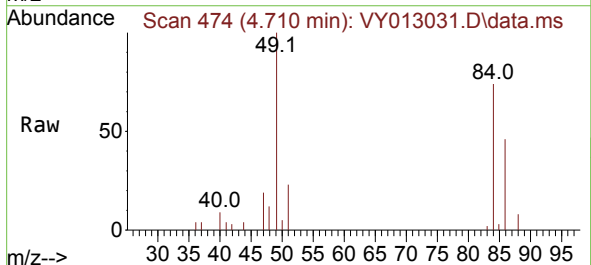
Instrument :
MSVOA_Y
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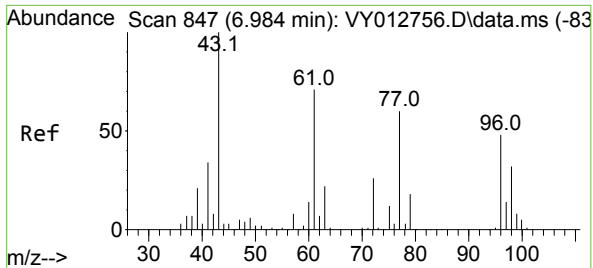
Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 40.2 24.2 36.2#



#20
Methylene Chloride
Concen: 1.685 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 84 Resp: 6187
Ion Ratio Lower Upper
84 100
49 136.0 102.6 154.0
51 30.9 31.9 47.9#
86 63.1 51.0 76.6

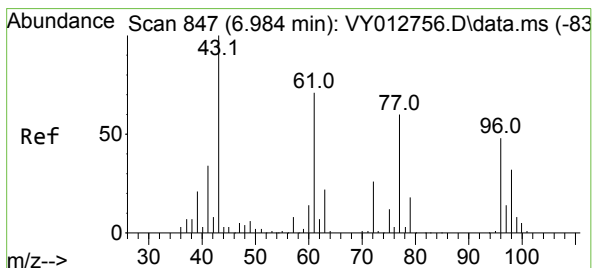
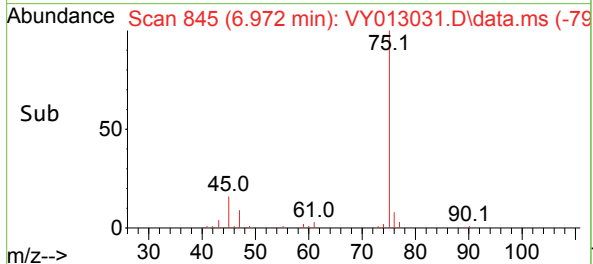
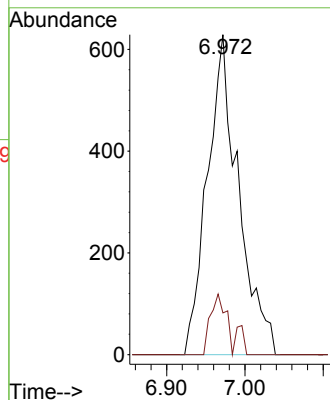
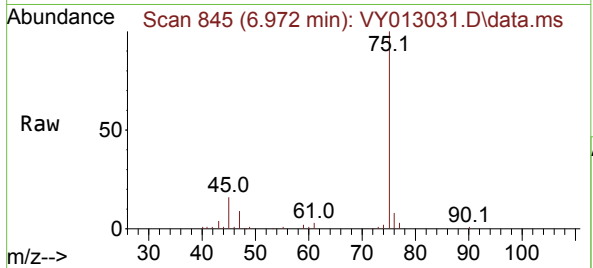




#25
2-Butanone
Concen: 4.754 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

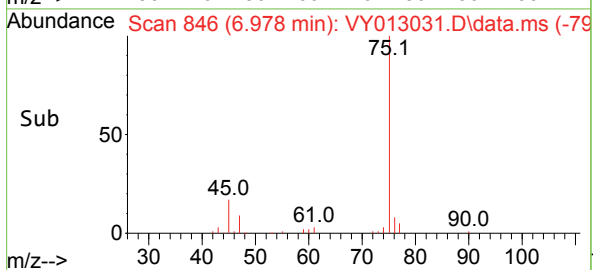
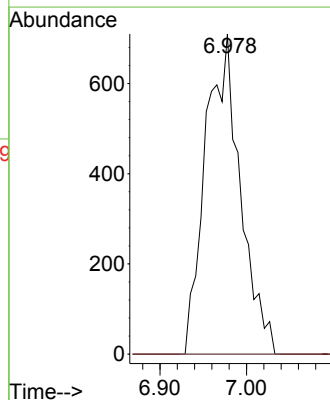
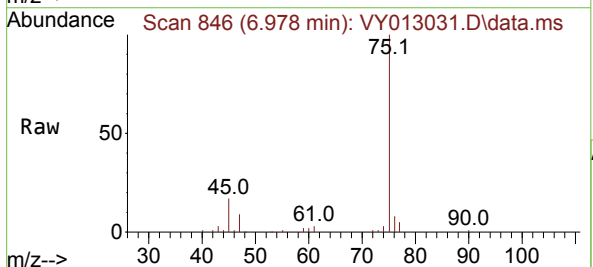
Instrument : MSVOA_Y
ClientSampleId : TP-13-TEST-PIT-ON-GRAVELLY

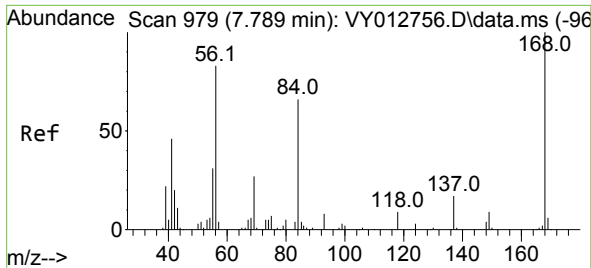
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
72 13.0 21.0 31.4#



#26
2,2-Dichloropropane
Concen: 1.500 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 77 Resp: 1984
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

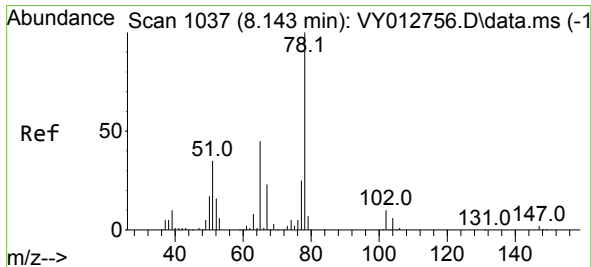
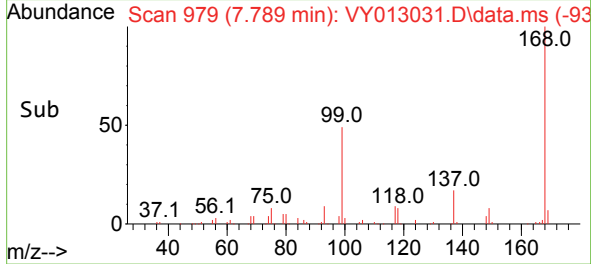
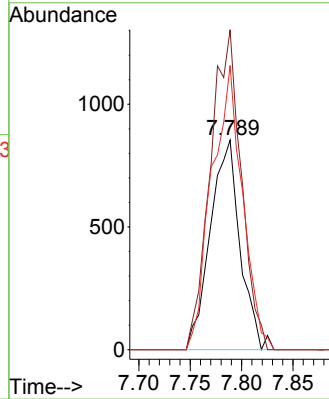
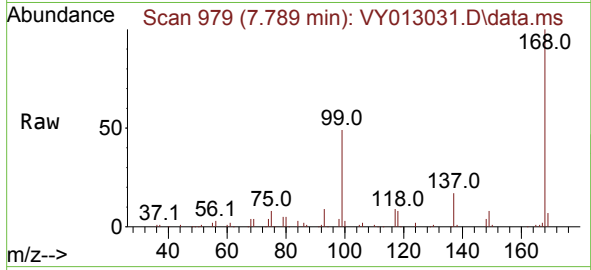




#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

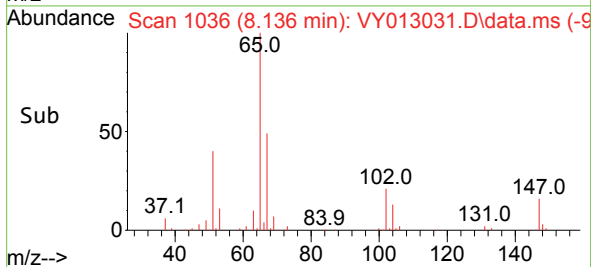
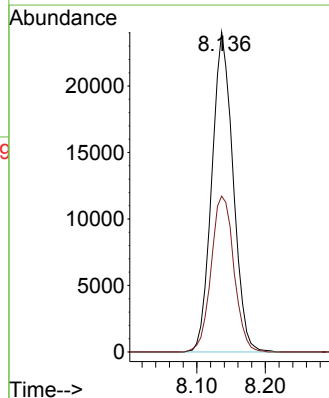
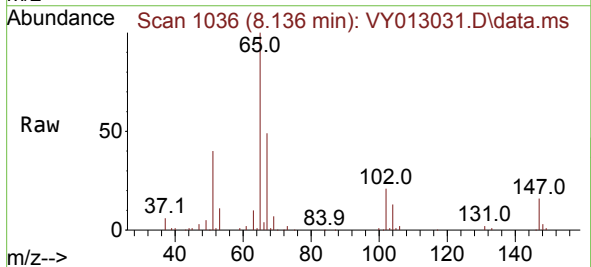
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-TEST-PIT-ON-GRAVELLY

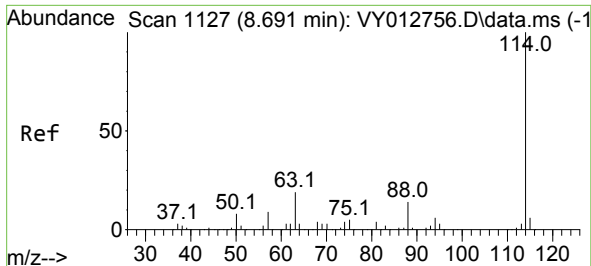
Tgt Ion: 56 Resp: 1723
Ion Ratio Lower Upper
56 100
69 152.7 25.7 38.5#
84 135.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 68.850 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 65 Resp: 51717
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013031.D

Acq: 21 Mar 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLY

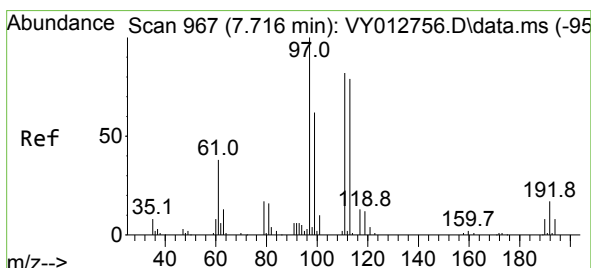
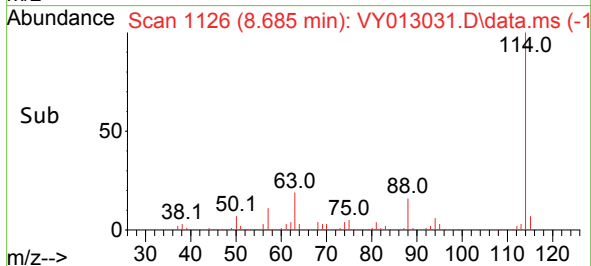
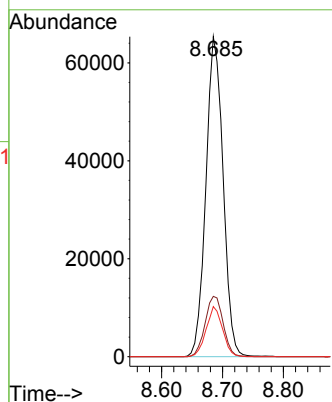
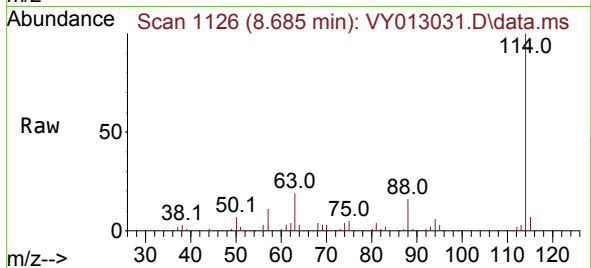
Tgt Ion:114 Resp: 128187

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 15.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 59.199 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013031.D

Acq: 21 Mar 2023 16:45

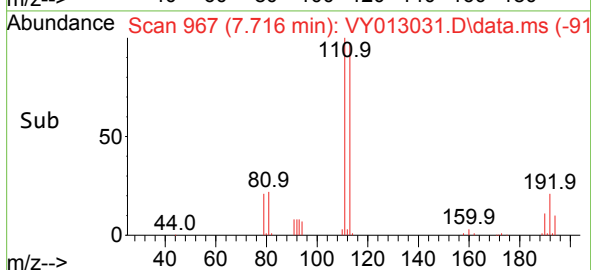
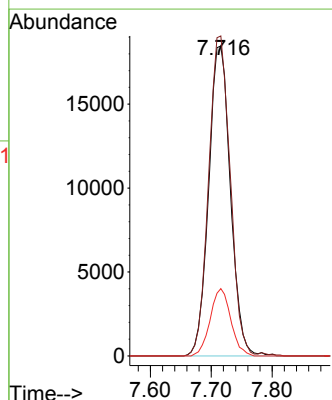
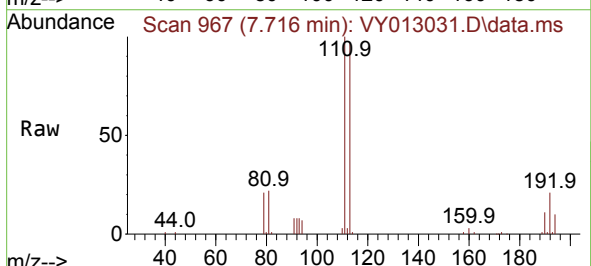
Tgt Ion:113 Resp: 45797

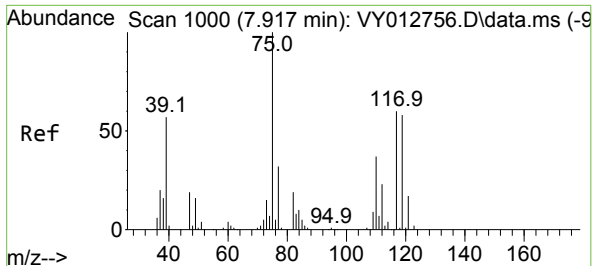
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 20.6 16.8 25.2

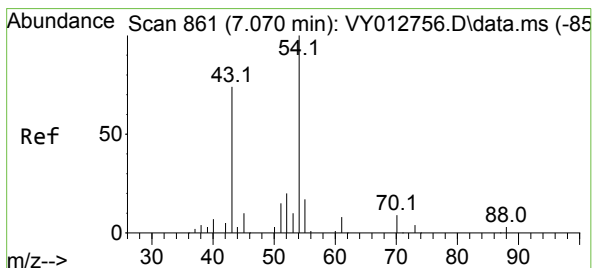
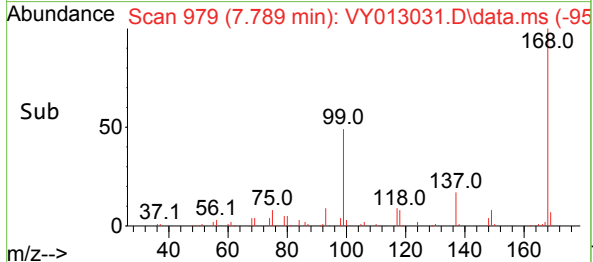
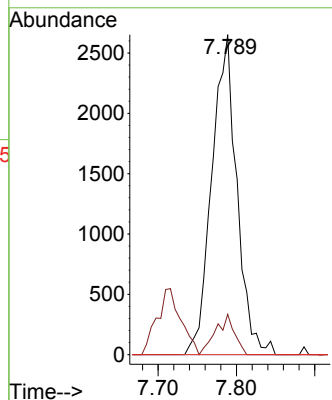
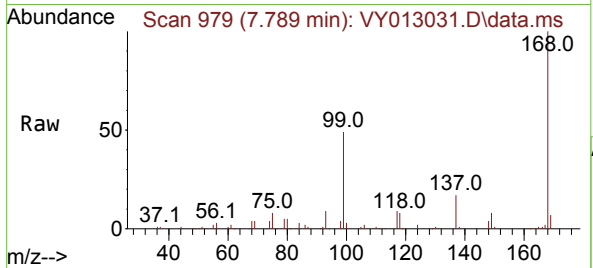




#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

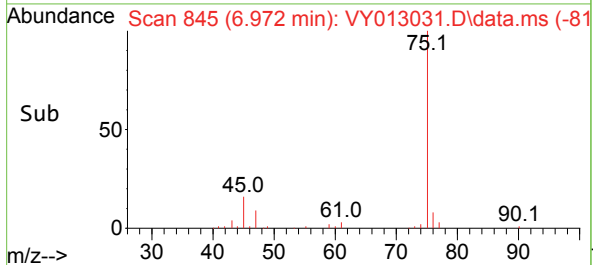
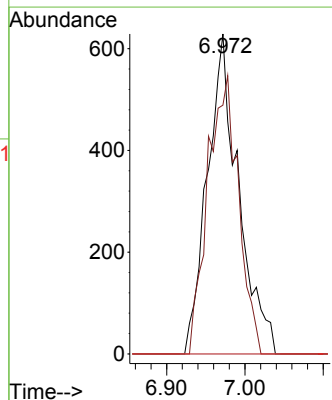
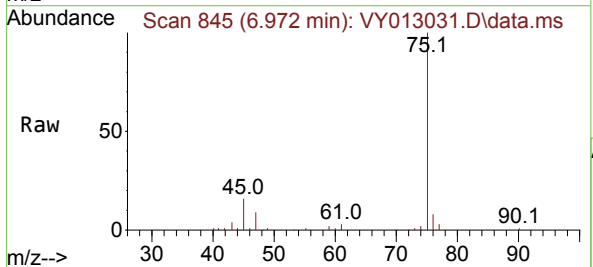
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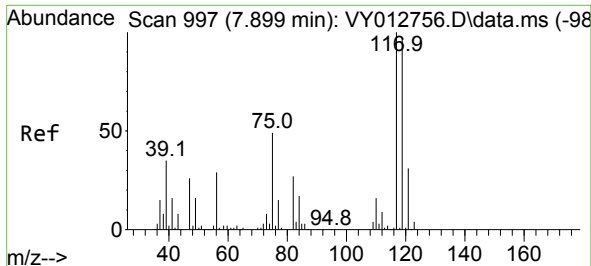
Tgt Ion: 75 Resp: 5894
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.125 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
61 85.8 10.7 16.1#
70 0.0 7.8 11.8#

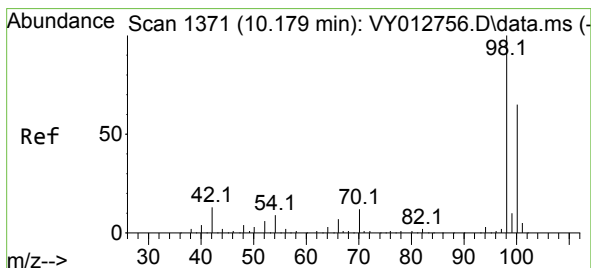
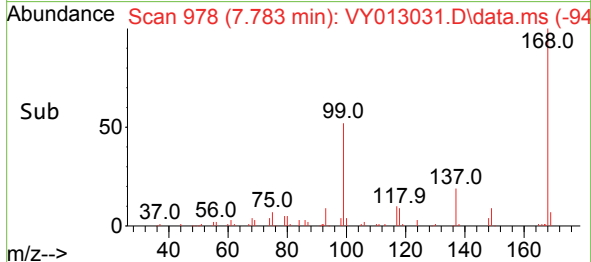
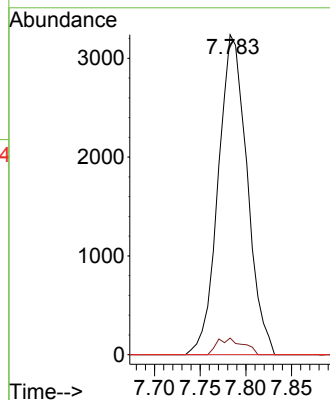
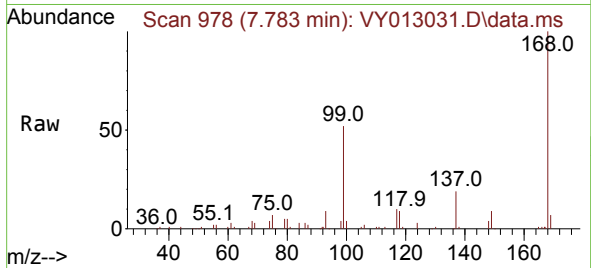




#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

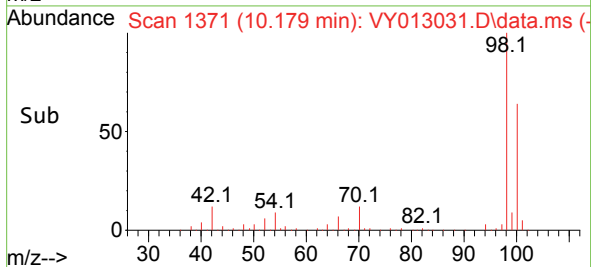
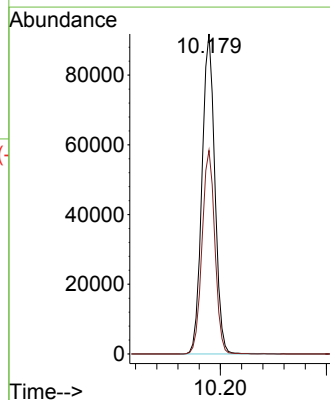
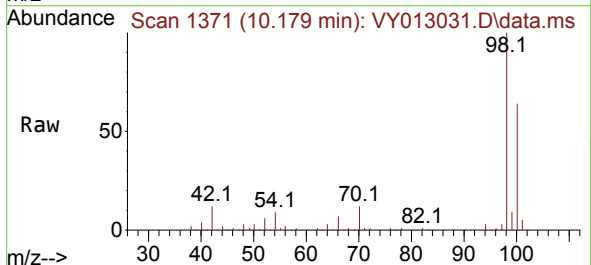
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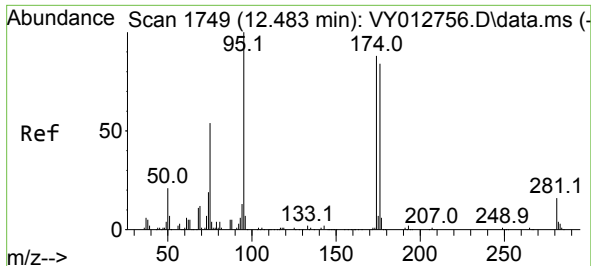
Tgt Ion:117 Resp: 7119
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.686 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 98 Resp: 154661
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

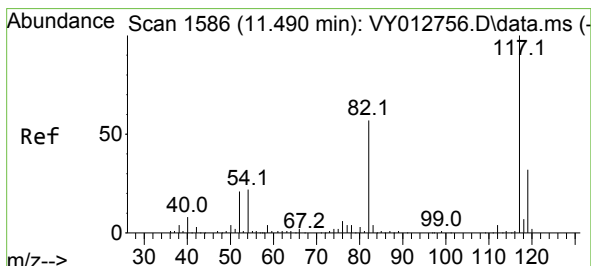
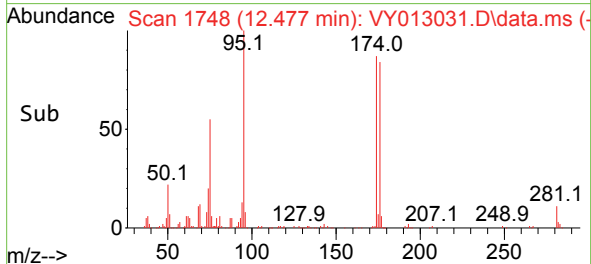
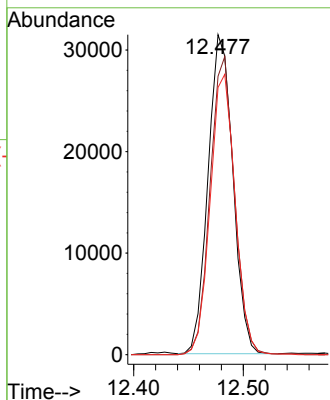
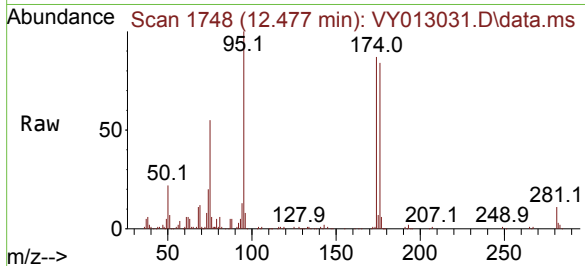




#62
4-Bromofluorobenzene
Concen: 51.820 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

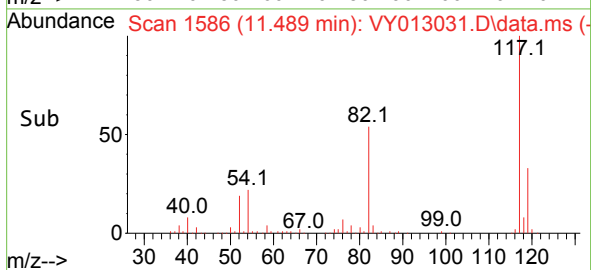
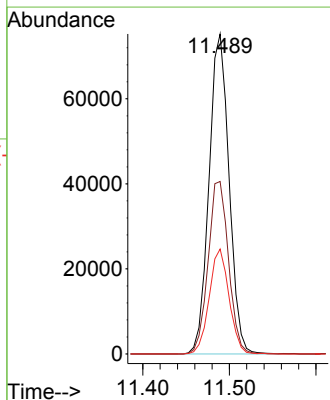
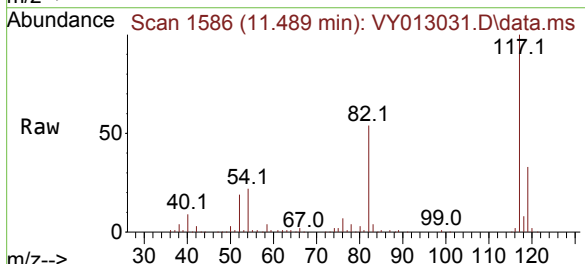
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-TEST-PIT-ON-GRAVELLY

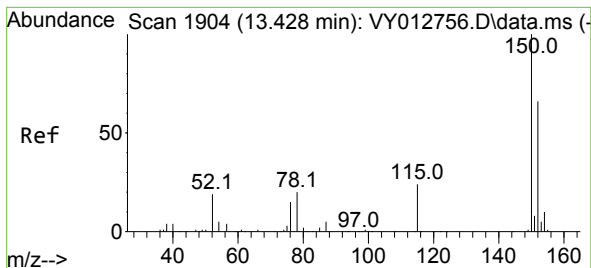
Tgt Ion: 95 Resp: 49466
Ion Ratio Lower Upper
95 100
174 92.1 0.0 176.6
176 88.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013031.D
Acq: 21 Mar 2023 16:45

Tgt Ion: 117 Resp: 121010
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013031.D

Acq: 21 Mar 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLY

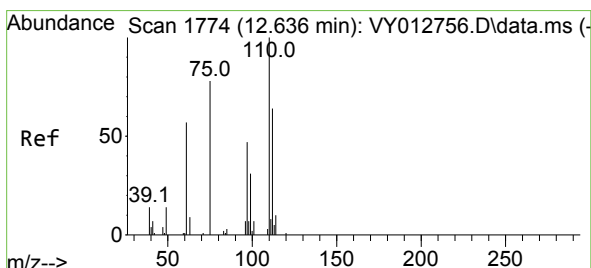
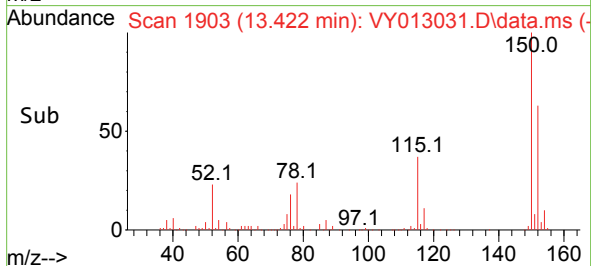
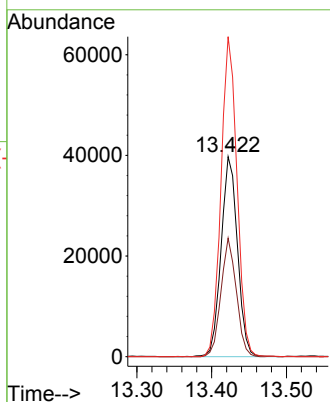
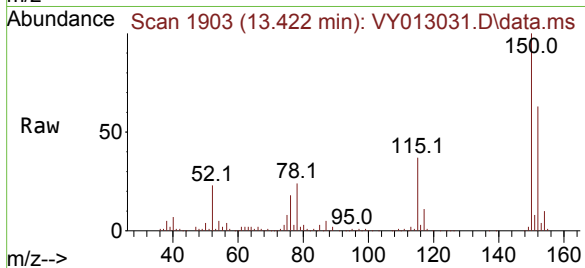
Tgt Ion:152 Resp: 60669

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.3

150 156.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 37.003 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY013031.D

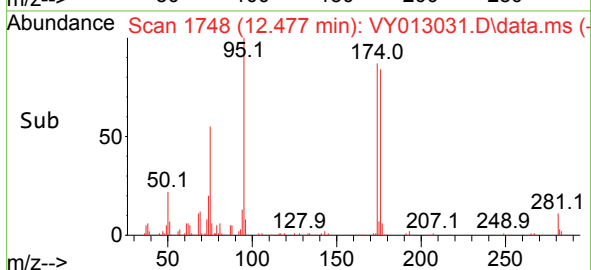
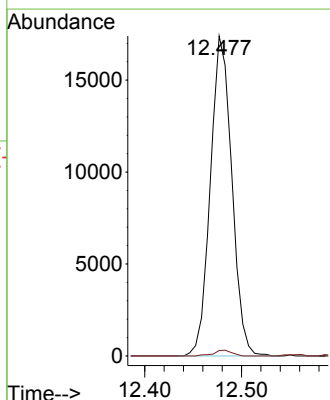
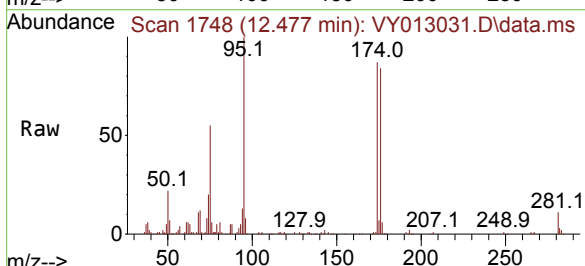
Acq: 21 Mar 2023 16:45

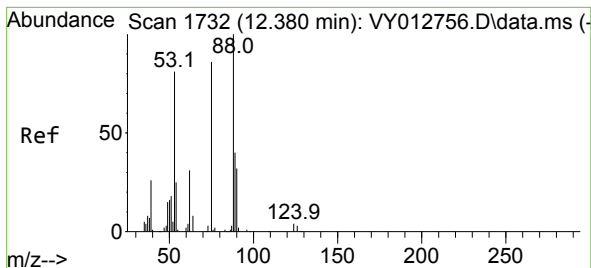
Tgt Ion: 75 Resp: 26808

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.671 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY013031.D
 Acq: 21 Mar 2023 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-TEST-PIT-ON-GRAVELLY

Tgt Ion: 75 Resp: 26808
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 36.6 55.0#

