

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012944.D
 Acq On : 14 Mar 2023 15:47
 Operator : KP/MD
 Sample : 01900-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HT-OILYSTONE-0313

Quant Time: Mar 15 01:43:54 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)

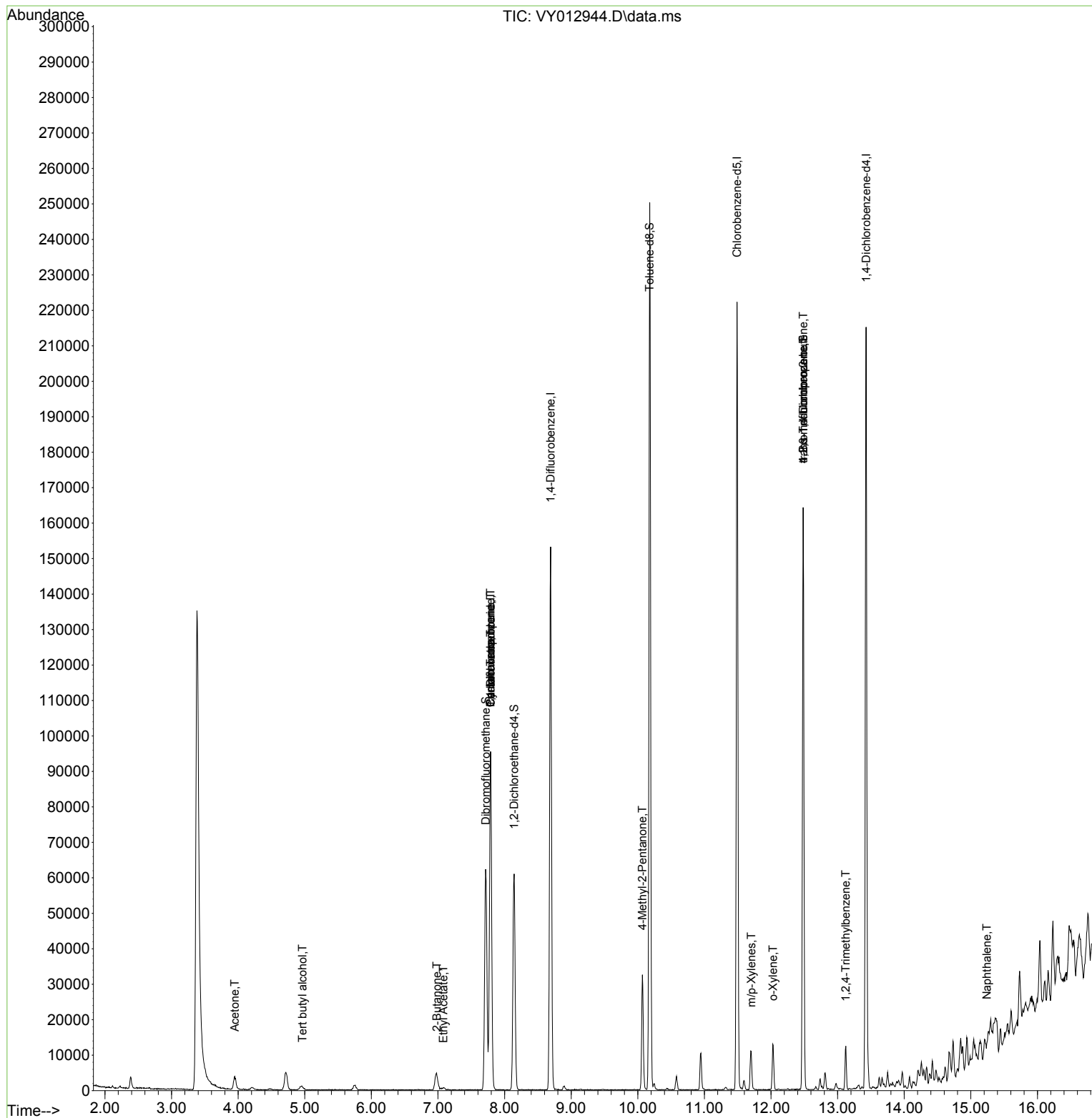
Internal Standards						
1) Pentafluorobenzene	7.789	168	74124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	126879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48556	65.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.960%			
35) Dibromofluoromethane	7.716	113	44157	57.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.340%			
50) Toluene-d8	10.179	98	161439	57.671	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.340%			
62) 4-Bromofluorobenzene	12.483	95	46726	49.454	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.900%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	2201	6.361	ug/l #	76
16) Acetone	3.948	43	6333	21.924	ug/l #	86
20) Methylene Chloride	4.722	84	3806	Below Cal	#	83
25) 2-Butanone	6.984	43	692	1.934	ug/l #	49
31) Cyclohexane	7.789	56	1607	1.140	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	5684	4.430	ug/l #	43
37) Ethyl Acetate	7.082	43	1032	1.276	ug/l #	75
38) Carbon Tetrachloride	7.789	117	7144	5.391	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	21052	26.897	ug/l	99
68) m/p-Xylenes	11.703	106	3321	1.987	ug/l	100
69) o-Xylene	12.032	106	3386	2.170	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	25070	38.433	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25070	79.635	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	6215	1.989	ug/l	99
95) Naphthalene	15.239	128	2773	1.371	ug/l #	92

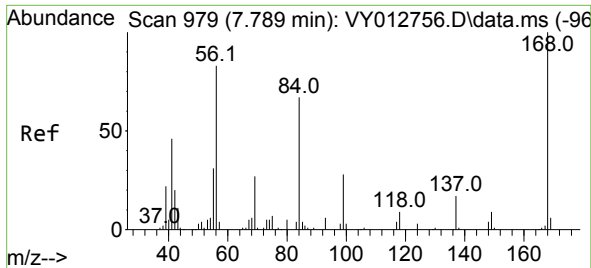
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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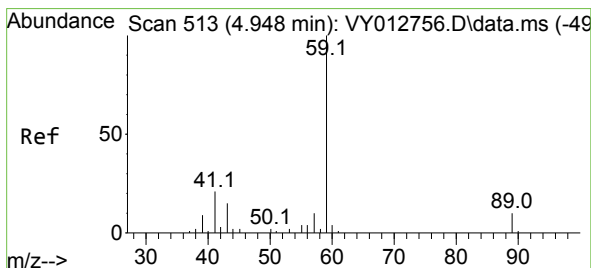
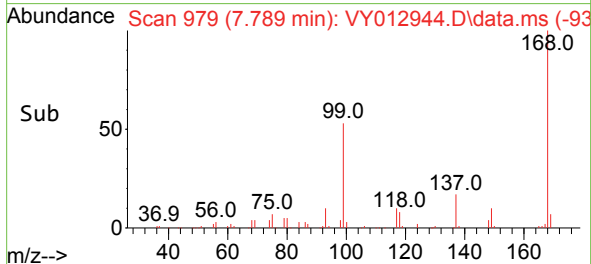
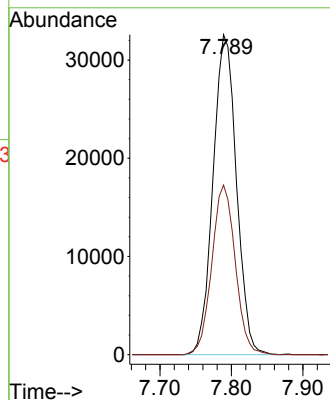
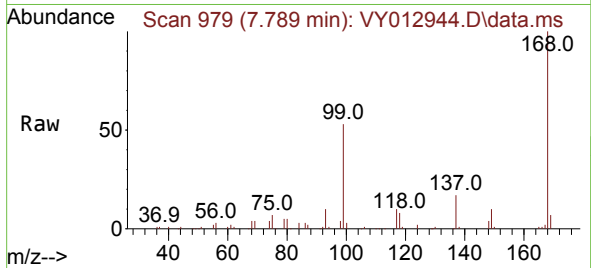




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

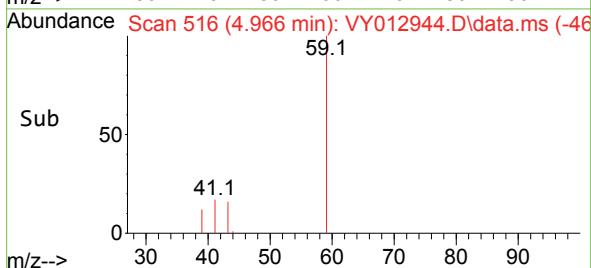
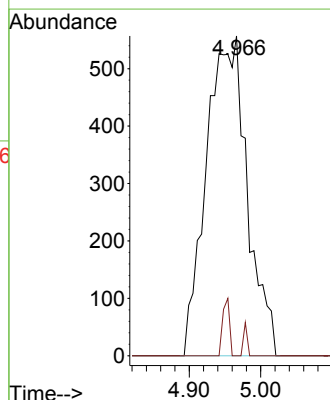
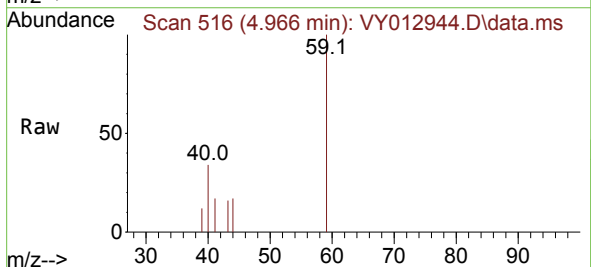
Instrument :
MSVOA_Y
ClientSampleId :
HT-OILYSTONE-0313

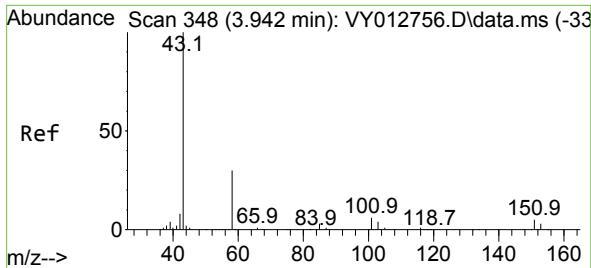
Tgt Ion:168 Resp: 74124
Ion Ratio Lower Upper
168 100
99 53.0 41.7 62.5



#11
Tert butyl alcohol
Concen: 6.361 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion: 59 Resp: 2201
Ion Ratio Lower Upper
59 100
57 1.0 7.7 11.5#

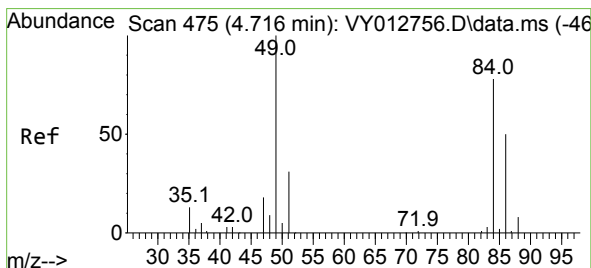
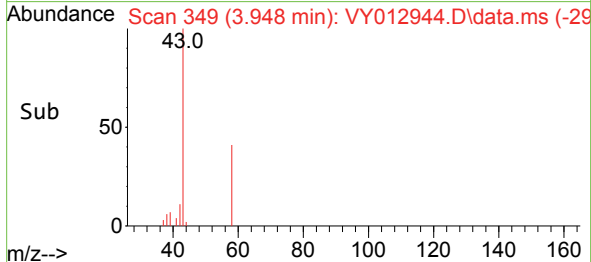
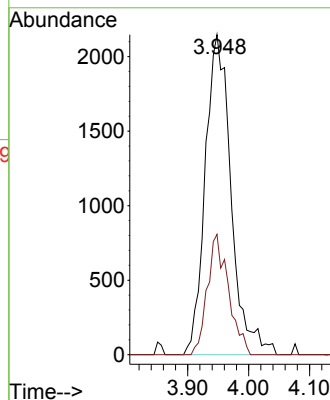
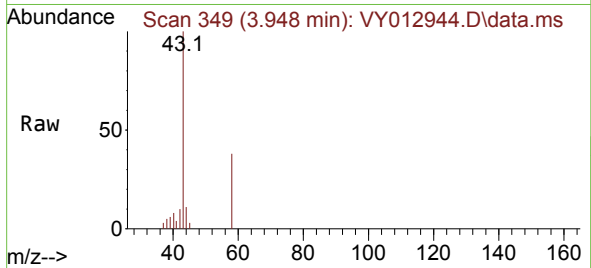




#16
Acetone
Concen: 21.924 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

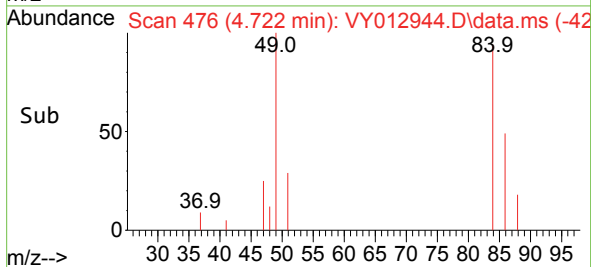
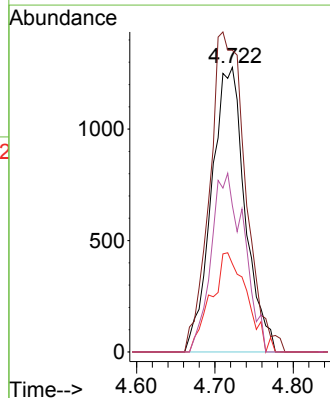
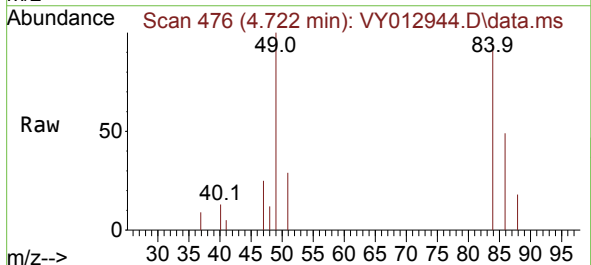
Instrument :
MSVOA_Y
ClientSampleId :
HT-OILYSTONE-0313

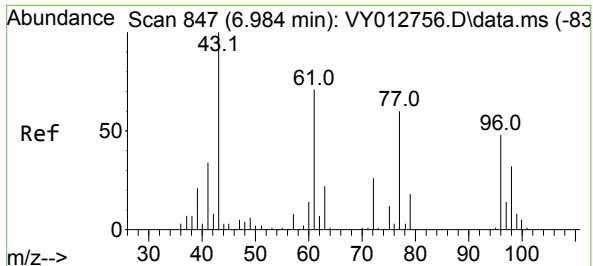
Tgt Ion: 43 Resp: 6333
Ion Ratio Lower Upper
43 100
58 37.6 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion: 84 Resp: 3806
Ion Ratio Lower Upper
84 100
49 106.0 102.6 154.0
51 31.0 31.9 47.9#
86 51.4 51.0 76.6





#25

2-Butanone

Concen: 1.934 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012944.D

Acq: 14 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

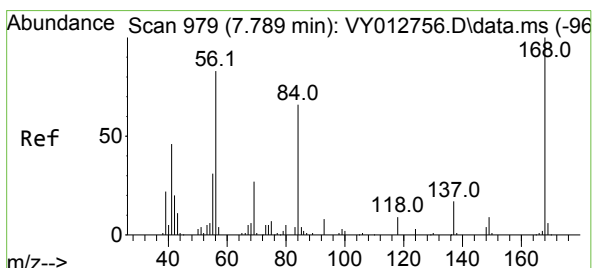
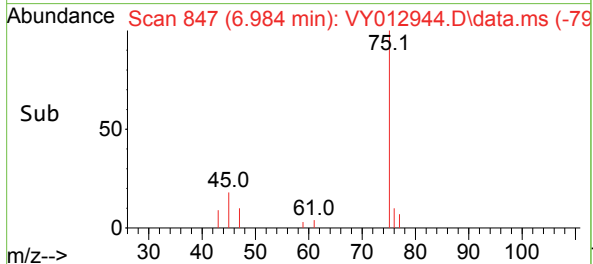
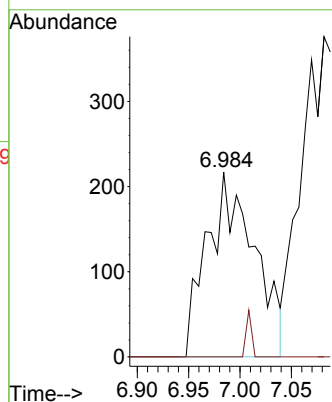
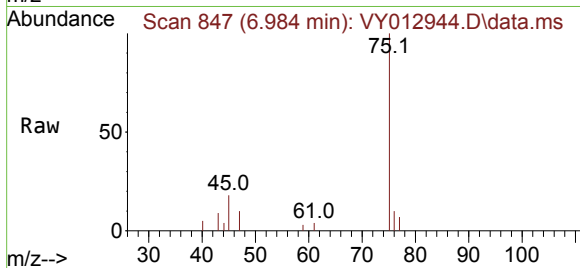
HT-OILYSTONE-0313

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY012944.D

Acq: 14 Mar 2023 15:47

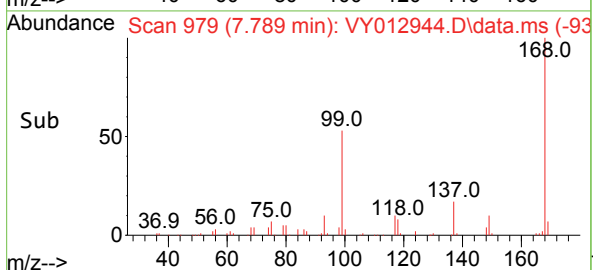
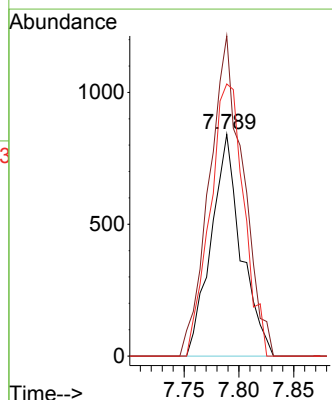
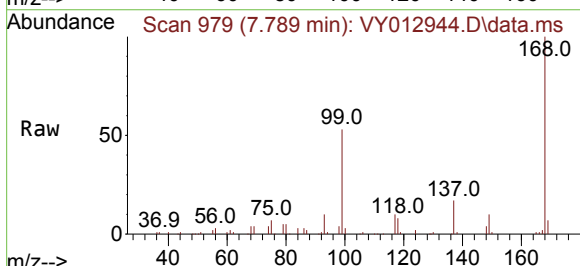
Tgt Ion: 56 Resp: 1607

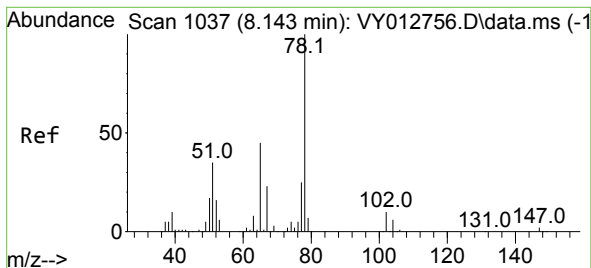
Ion Ratio Lower Upper

56 100

69 144.4 25.7 38.5#

84 122.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.977 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012944.D

Acq: 14 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

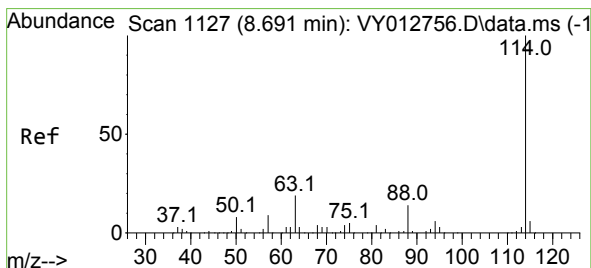
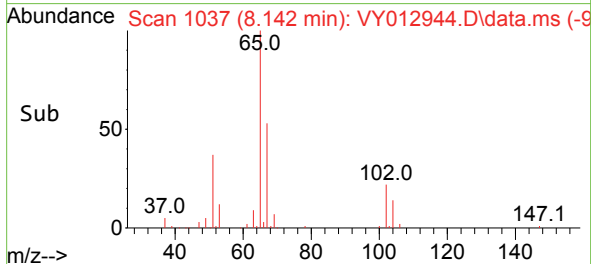
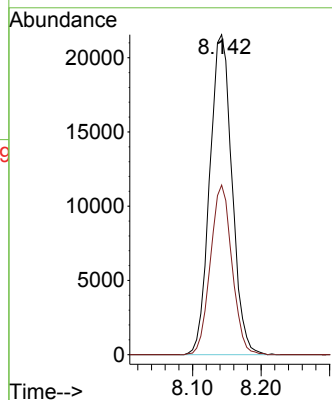
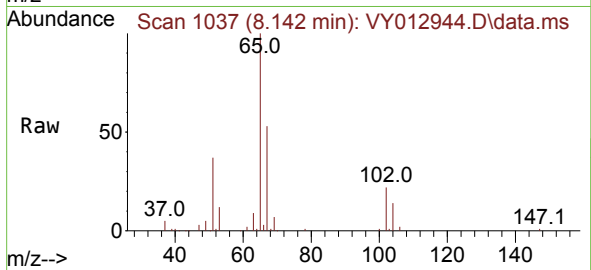
HT-OILYSTONE-0313

Tgt Ion: 65 Resp: 48556

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012944.D

Acq: 14 Mar 2023 15:47

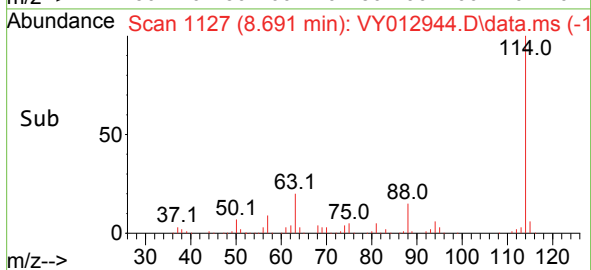
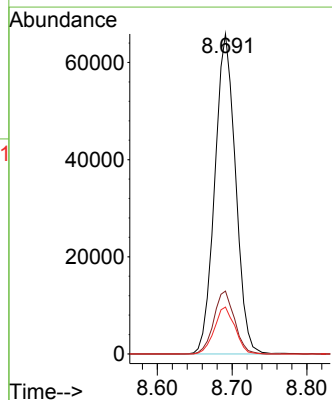
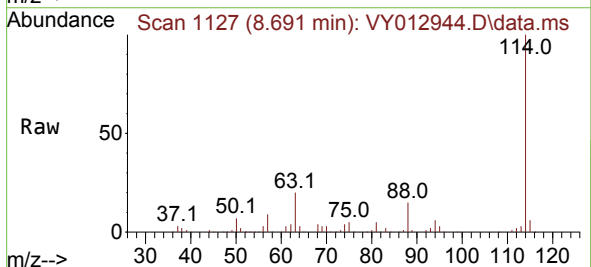
Tgt Ion: 114 Resp: 126879

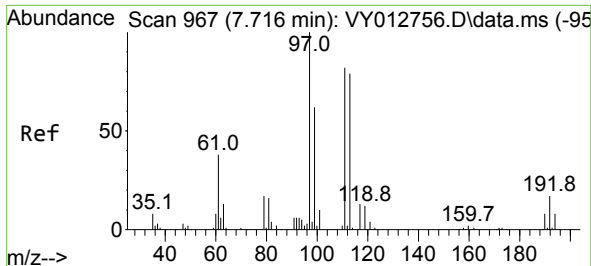
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.6 0.0 28.6

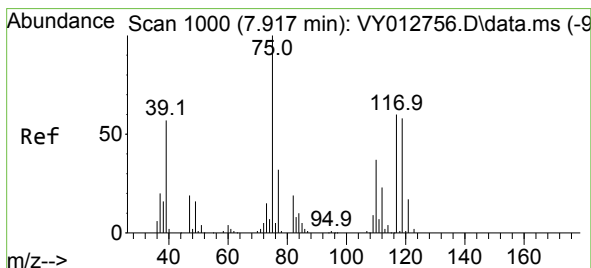
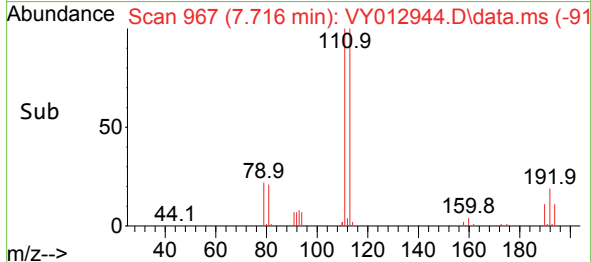
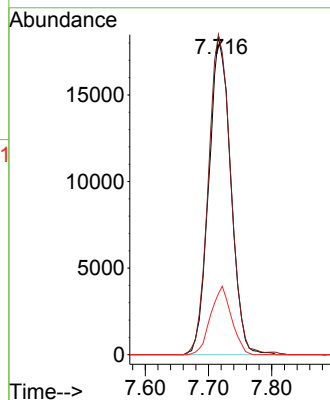
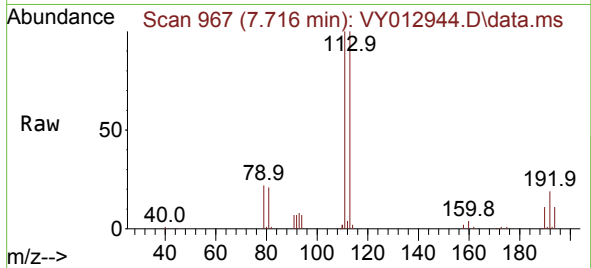




#35
Dibromofluoromethane
Concen: 57.668 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

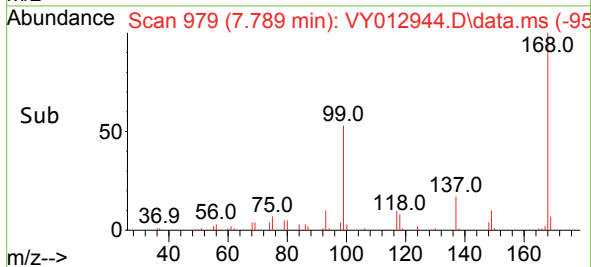
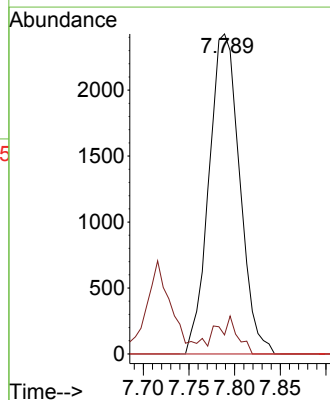
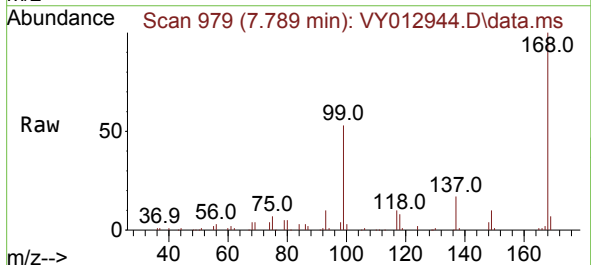
Instrument :
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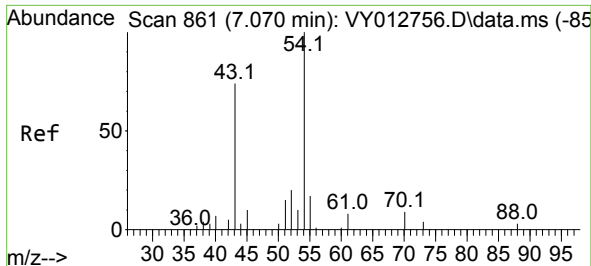
Tgt Ion:	113	Resp:	44157
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	20.5	16.8	25.2



#36
1,1-Dichloropropene
Concen: 4.430 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion:	75	Resp:	5684
Ion	Ratio	Lower	Upper
75	100		
110	2.2	17.8	53.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 1.276 ug/l

RT: 7.082 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY012944.D

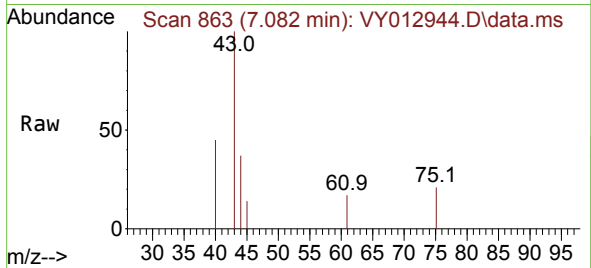
Acq: 14 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

HT-OILYSTONE-0313



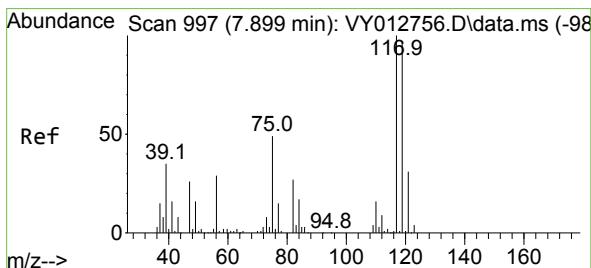
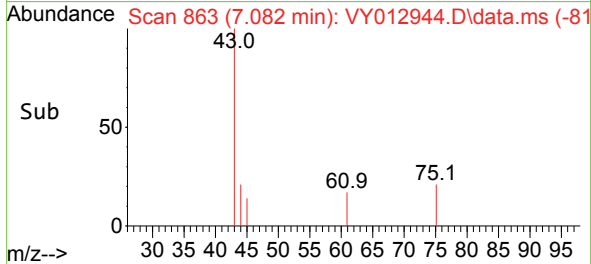
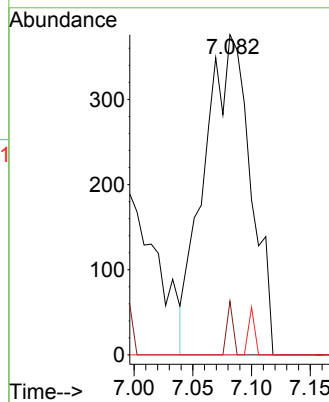
Tgt Ion: 43 Resp: 1032

Ion Ratio Lower Upper

43 100

61 2.2 10.7 16.1#

70 1.9 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.391 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012944.D

Acq: 14 Mar 2023 15:47

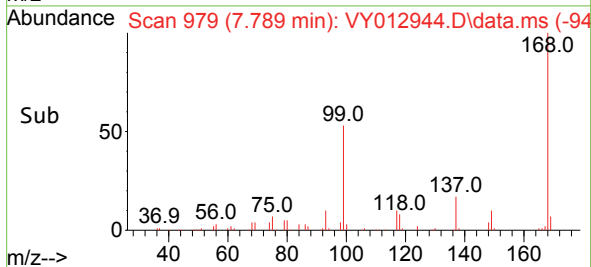
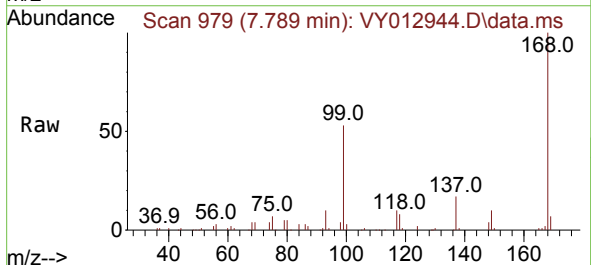
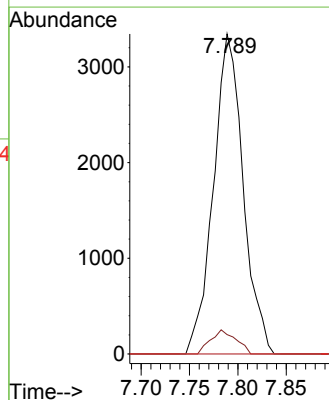
Tgt Ion: 117 Resp: 7144

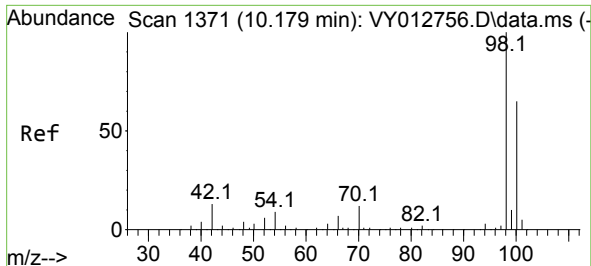
Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 24.7 37.1#

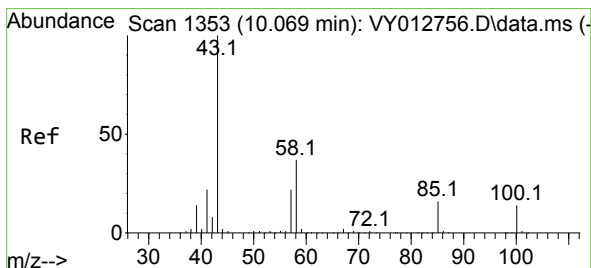
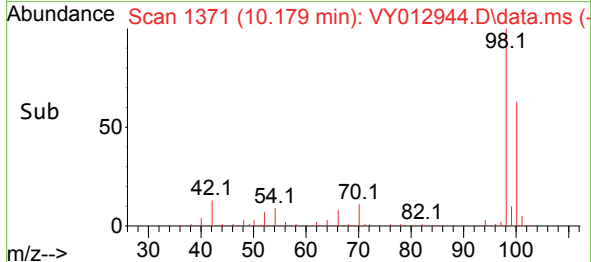
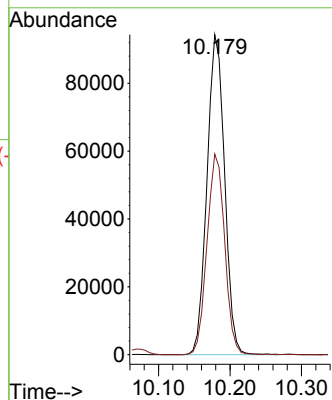
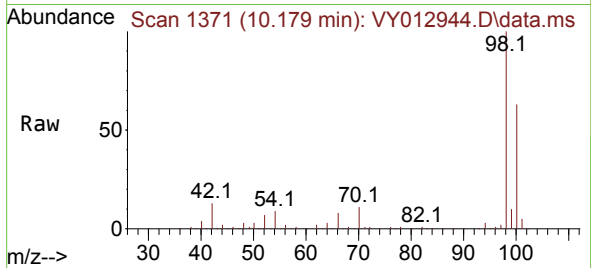




#50
Toluene-d8
Concen: 57.671 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

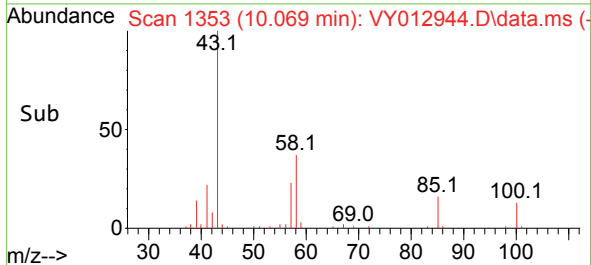
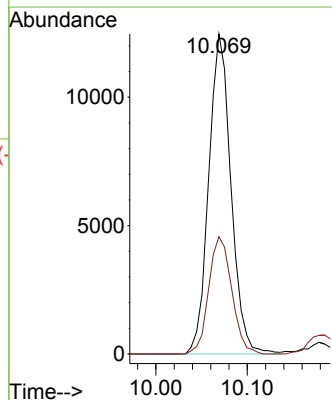
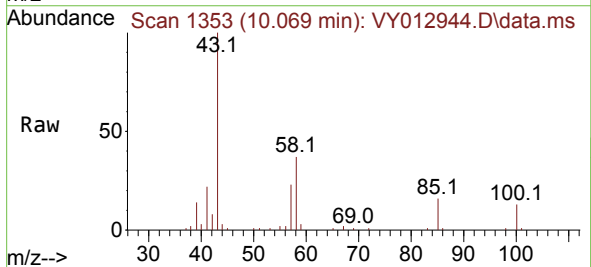
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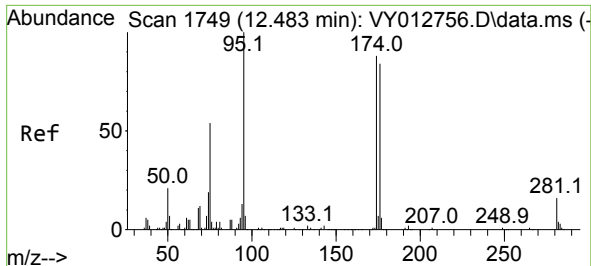
Tgt Ion: 98 Resp: 161439
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 26.897 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion: 43 Resp: 21052
Ion Ratio Lower Upper
43 100
58 37.8 29.8 44.6

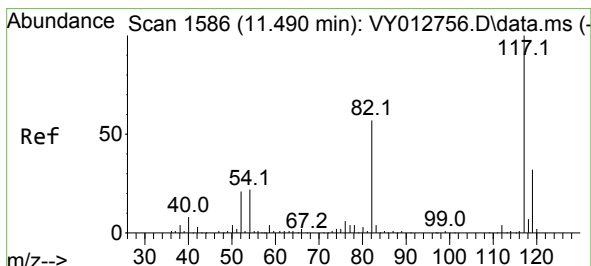
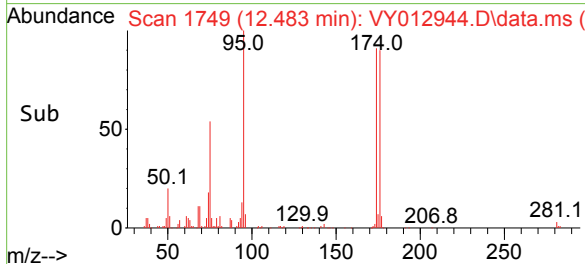
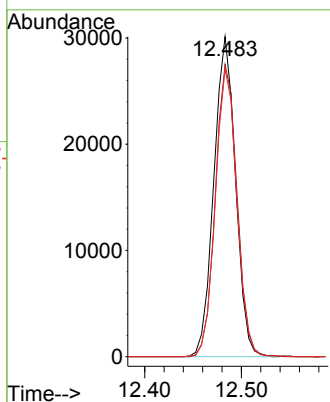
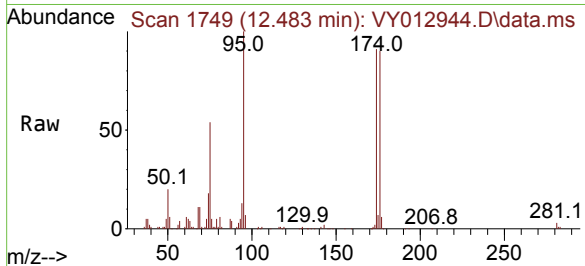




#62
4-Bromofluorobenzene
Concen: 49.454 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

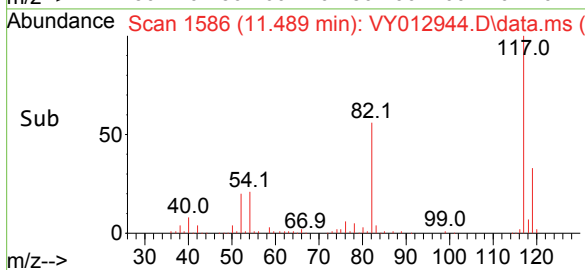
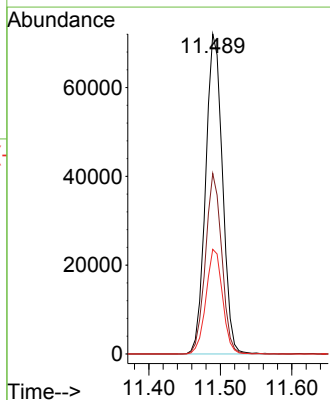
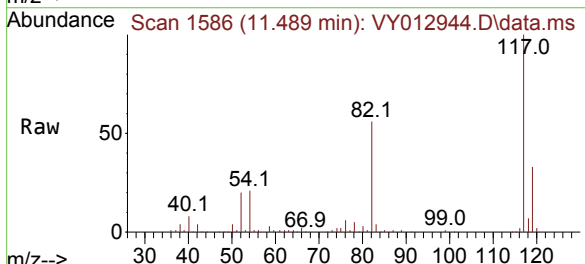
Instrument :
MSVOA_Y
ClientSampleId :
HT-OILYSTONE-0313

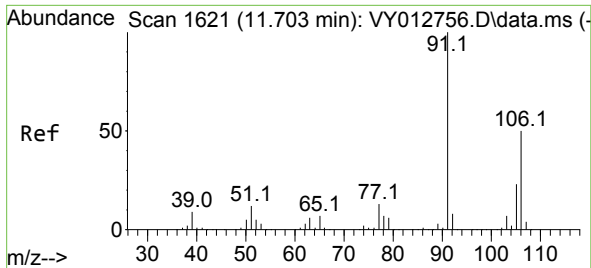
Tgt Ion: 95 Resp: 46726
Ion Ratio Lower Upper
95 100
174 91.4 0.0 176.6
176 89.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion: 117 Resp: 117769
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 32.7 25.6 38.4

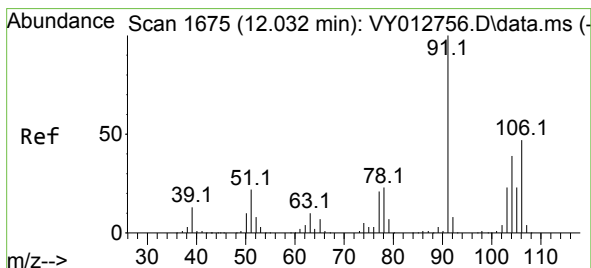
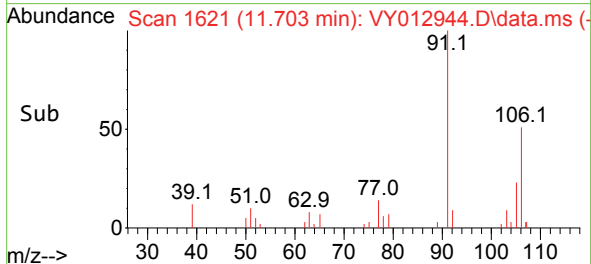
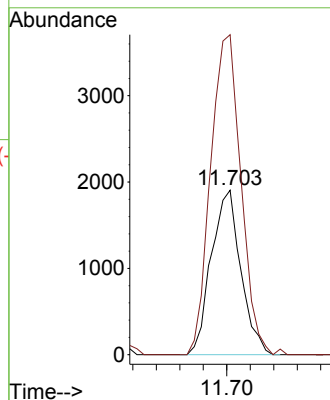
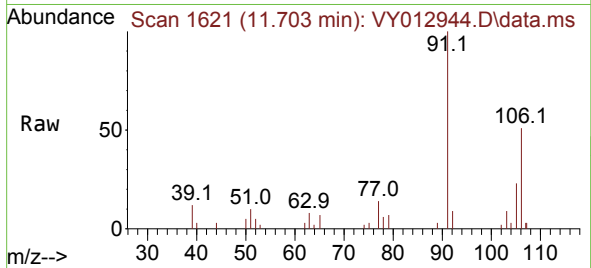




#68
m/p-Xylenes
Concen: 1.987 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

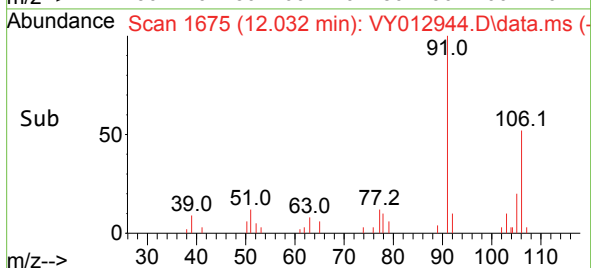
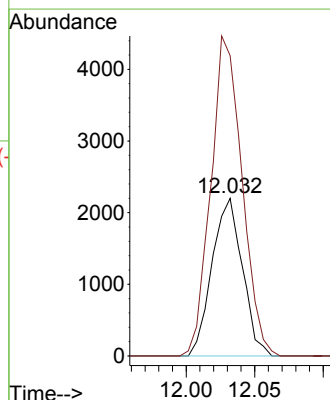
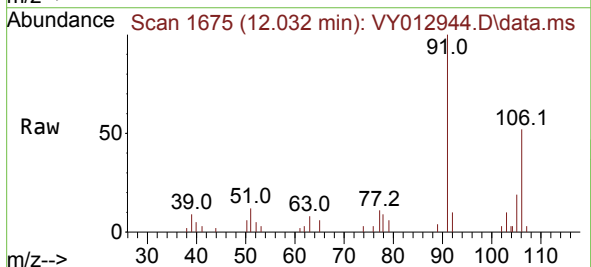
Instrument :
MSVOA_Y
ClientSampleId :
HT-OILYSTONE-0313

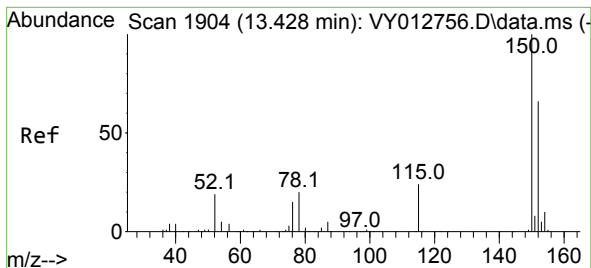
Tgt Ion:106 Resp: 3321
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.8



#69
o-Xylene
Concen: 2.170 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

Tgt Ion:106 Resp: 3386
Ion Ratio Lower Upper
106 100
91 208.7 107.2 321.6

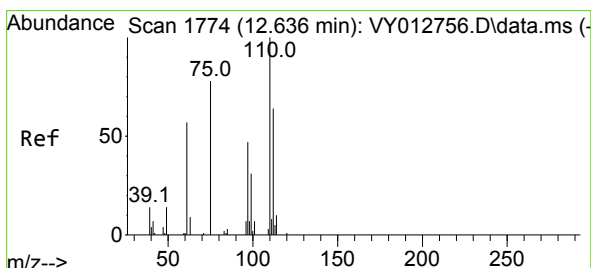
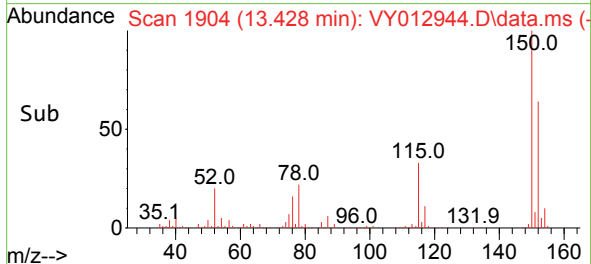
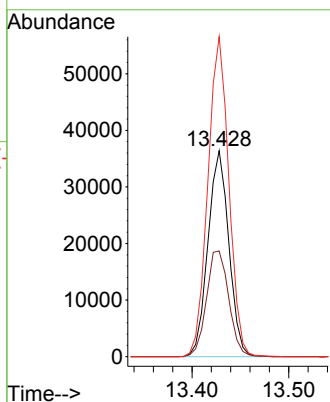
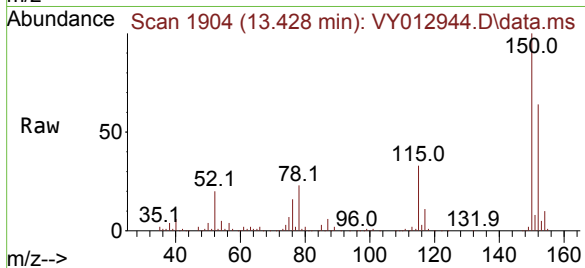




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012944.D
 Acq: 14 Mar 2023 15:47

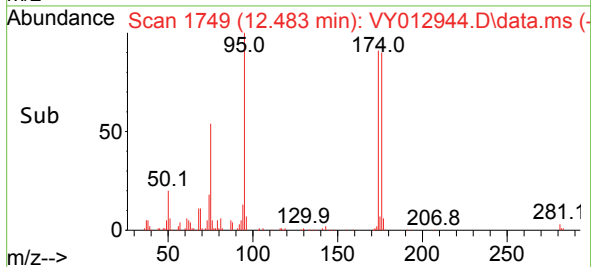
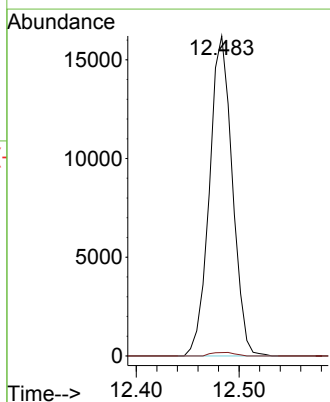
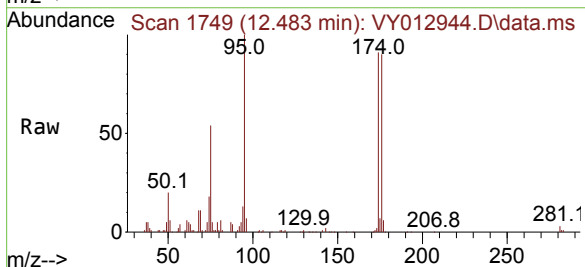
Instrument :
 MSVOA_Y
 ClientSampleId :
 HT-OILYSTONE-0313

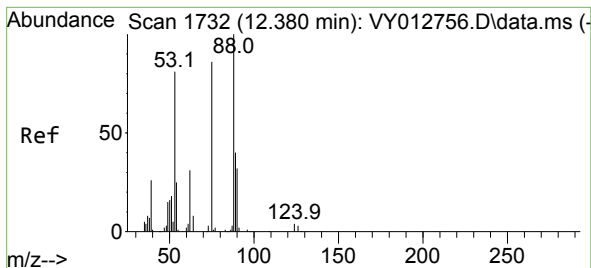
Tgt Ion:152 Resp: 54624
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.3
 150 155.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 38.433 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012944.D
 Acq: 14 Mar 2023 15:47

Tgt Ion: 75 Resp: 25070
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

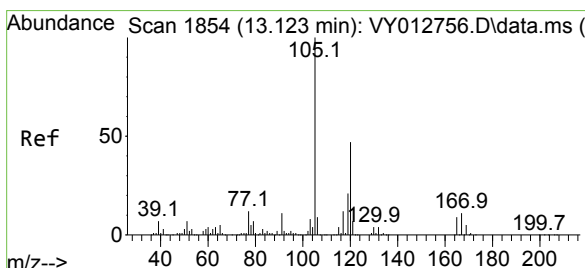
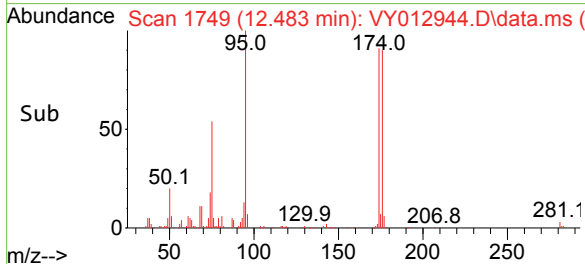
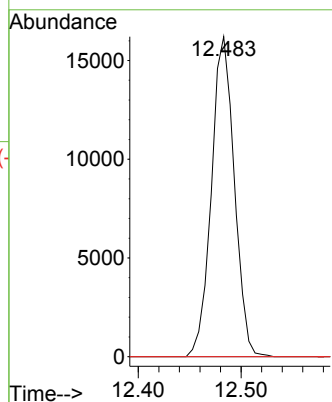
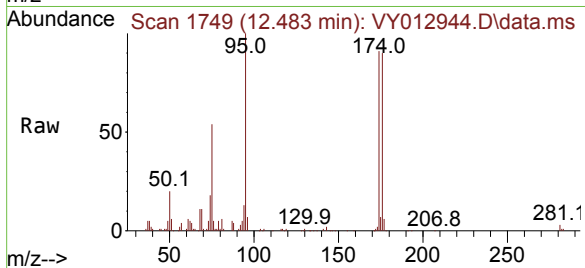




#81
trans-1,4-Dichloro-2-butene
Concen: 79.635 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

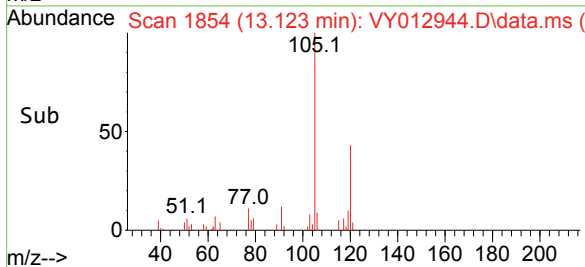
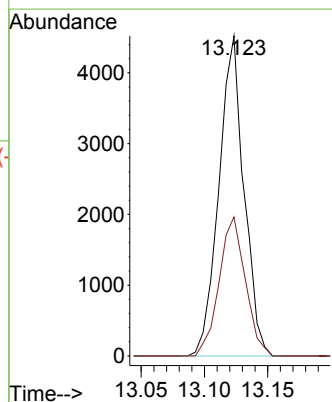
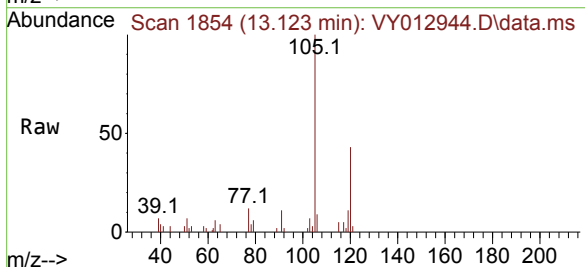
Instrument :
MSVOA_Y
ClientSampleId :
HT-OILYSTONE-0313

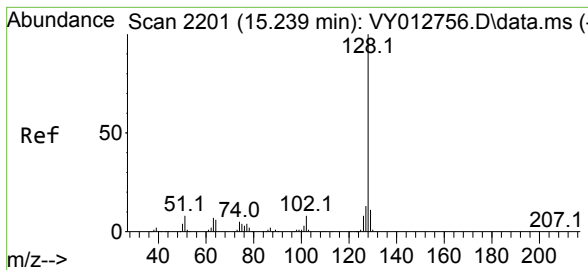
Tgt Ion: 75 Resp: 25070
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.989 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY012944.D
Acq: 14 Mar 2023 15:47

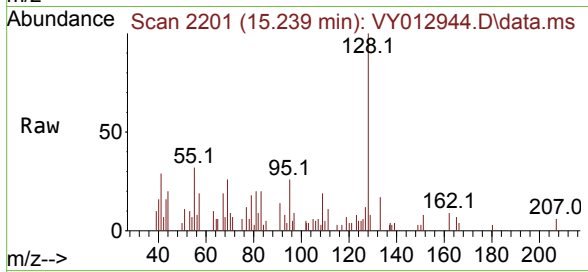
Tgt Ion: 105 Resp: 6215
Ion Ratio Lower Upper
105 100
120 45.6 23.0 69.0





#95
 Naphthalene
 Concen: 1.371 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY012944.D
 Acq: 14 Mar 2023 15:47

Instrument : MSVOA_Y
 ClientSampleId : HT-OILYSTONE-0313



Tgt Ion:	128	Resp:	2773
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.3	15.5#
129	14.0	8.6	13.0#

