

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007519.D
 Acq On : 17 Feb 2022 13:54
 Operator : SY/MD
 Sample : N1465-02
 Misc : 6.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-2-6.5

Quant Time: Feb 18 07:38:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

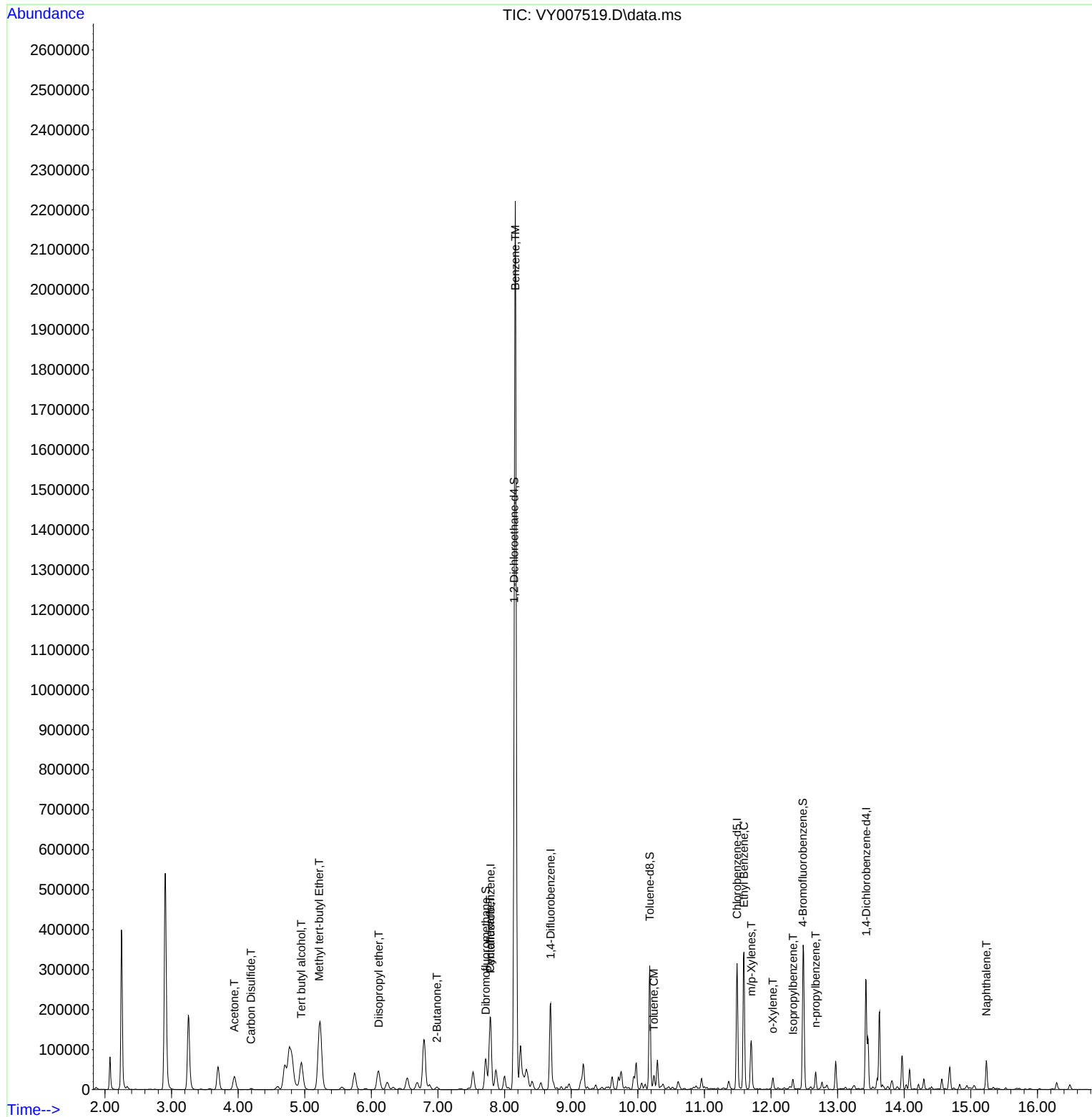
Internal Standards						
1) Pentafluorobenzene	7.789	168	90162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	54327	54.576	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.160%	
35) Dibromofluoromethane	7.716	113	54149	54.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.300%	
50) Toluene-d8	10.179	98	192926	50.792	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.477	95	70837	55.000	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	146485	1881.197	ug/l #	93
16) Acetone	3.942	43	32075	121.450	ug/l	97
17) Carbon Disulfide	4.192	76	5977	2.120	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	224567	82.709	ug/l #	68
22) Diisopropyl ether	6.112	45	22124	7.648	ug/l #	87
25) 2-Butanone	6.984	43	8962	27.407	ug/l #	87
31) Cyclohexane	7.783	56	38717	21.994	ug/l	87
40) Benzene	8.161	78	2181138	489.595	ug/l	97
52) Toluene	10.240	92	14312	5.010	ug/l	99
67) Ethyl Benzene	11.593	91	233716	36.949	ug/l	100
68) m/p-Xylenes	11.703	106	37779	15.782	ug/l	100
69) o-Xylene	12.026	106	6954	3.070	ug/l	99
73) Isopropylbenzene	12.331	105	16254	2.662	ug/l	98
78) n-propylbenzene	12.672	91	31800	4.328	ug/l	98
95) Naphthalene	15.233	128	57675	19.667	ug/l	98

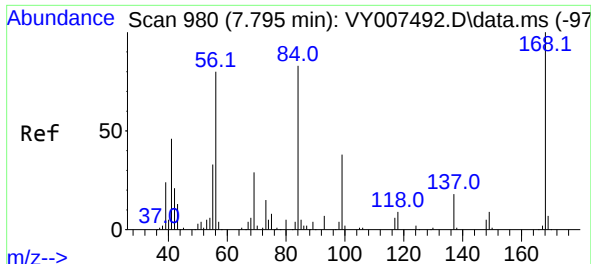
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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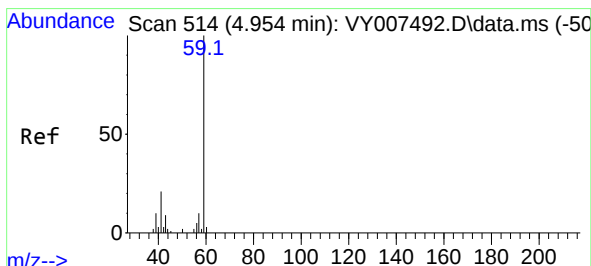
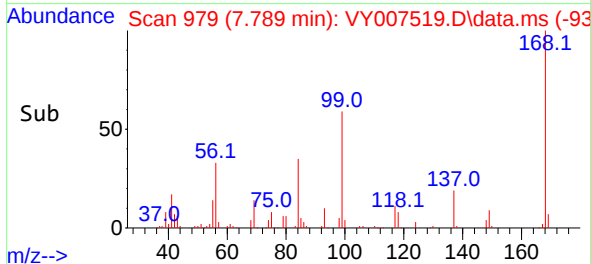
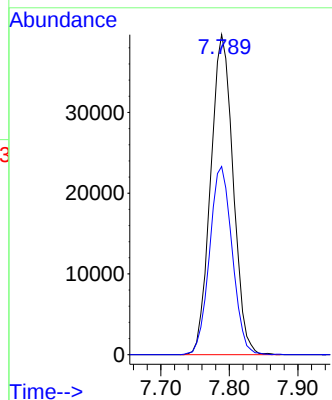
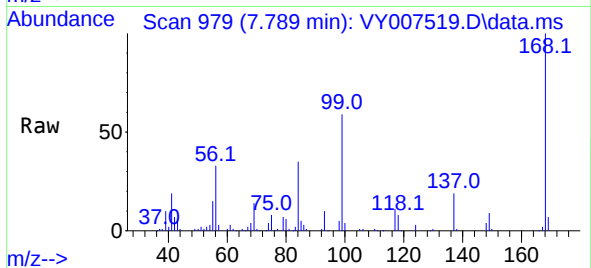




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

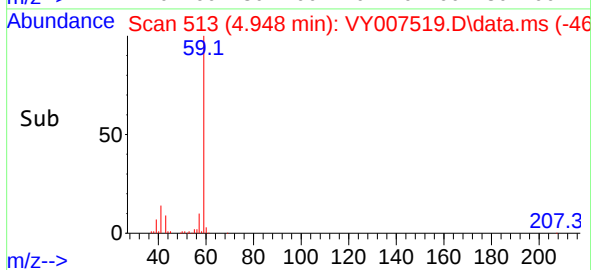
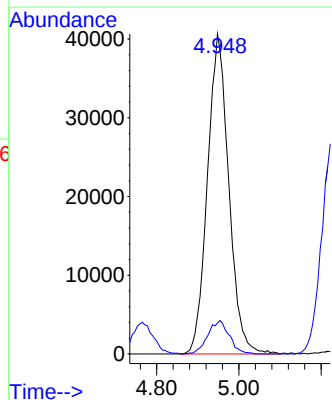
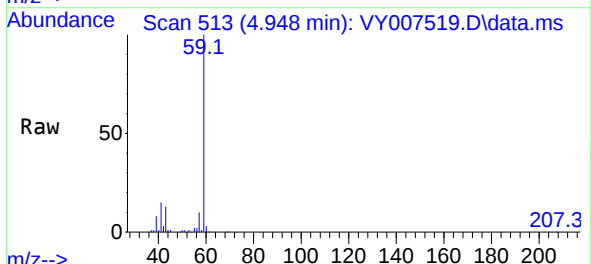
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

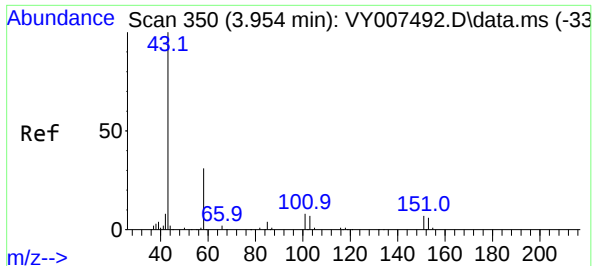
Tgt Ion:168 Resp: 90162
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 1881.197 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion: 59 Resp: 146485
Ion Ratio Lower Upper
59 100
57 10.5 6.4 9.6#

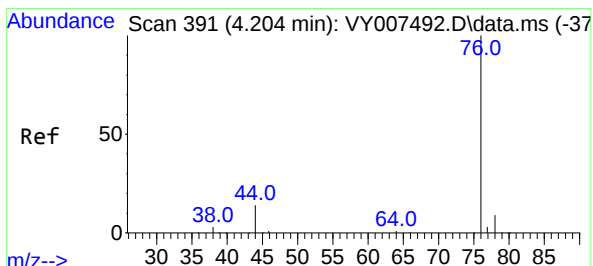
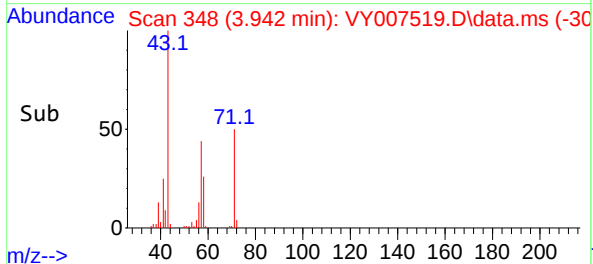
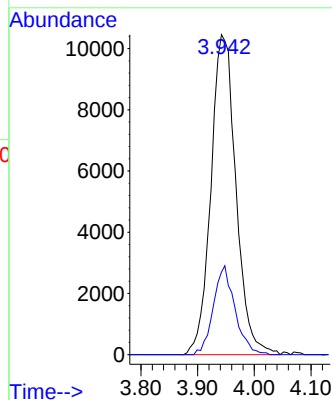
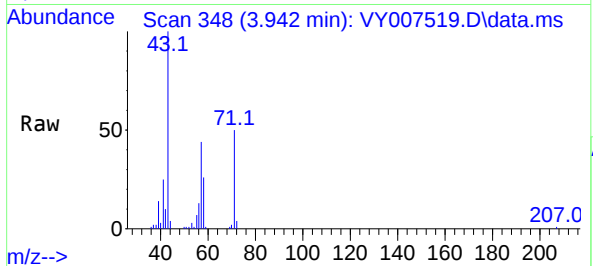




#16
Acetone
Concen: 121.450 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

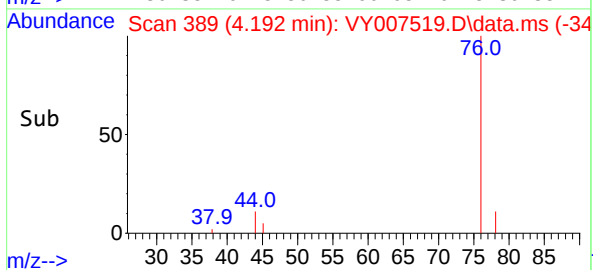
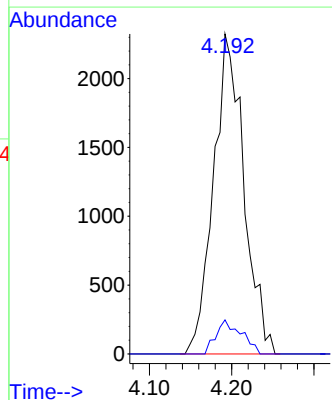
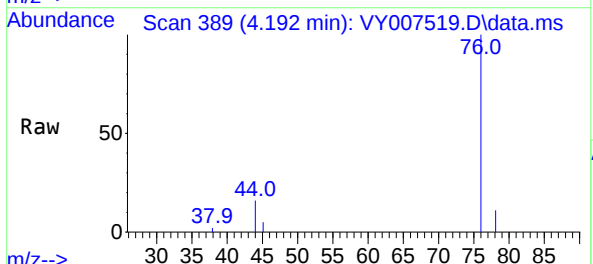
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

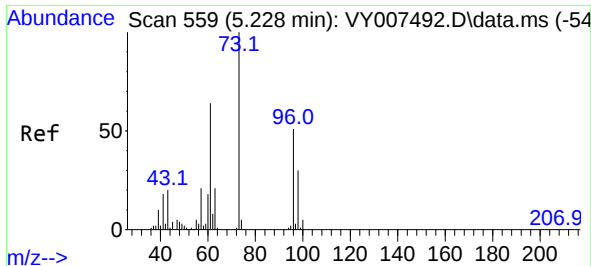
Tgt Ion: 43 Resp: 32075
Ion Ratio Lower Upper
43 100
58 25.8 22.0 33.0



#17
Carbon Disulfide
Concen: 2.120 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.012 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion: 76 Resp: 5977
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0





#19

Methyl tert-butyl Ether

Concen: 82.709 ug/l

RT: 5.216 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

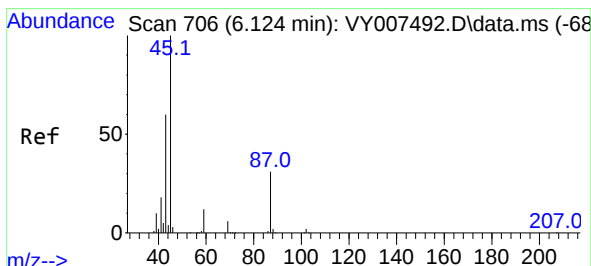
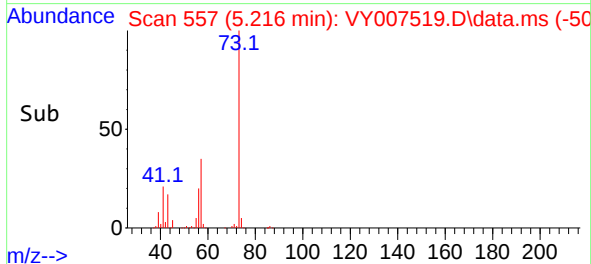
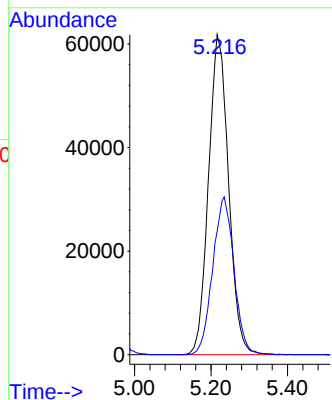
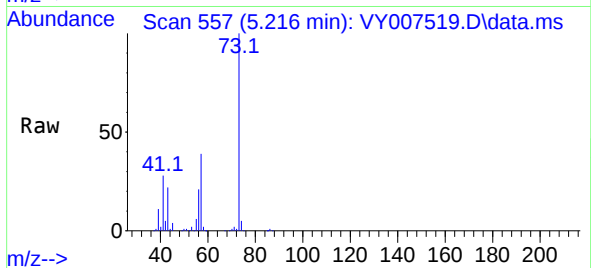
A5-2-6.5

Tgt Ion: 73 Resp: 224567

Ion Ratio Lower Upper

73 100

57 38.6 18.6 27.8#



#22

Diisopropyl ether

Concen: 7.648 ug/l

RT: 6.112 min Scan# 704

Delta R.T. -0.013 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

Tgt Ion: 45 Resp: 22124

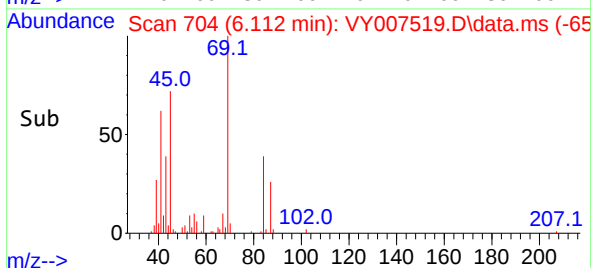
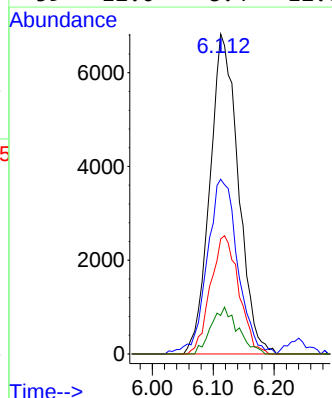
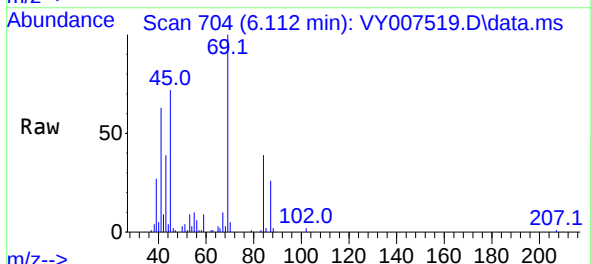
Ion Ratio Lower Upper

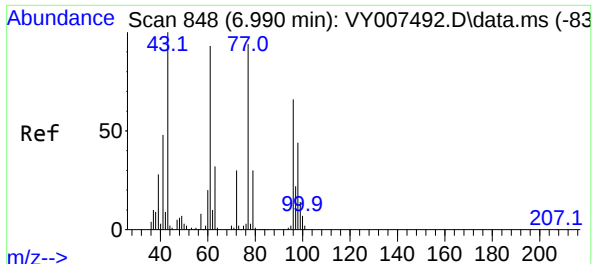
45 100

43 53.4 49.3 73.9

87 36.0 19.2 28.8#

59 12.0 8.4 12.6





#25

2-Butanone

Concen: 27.407 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

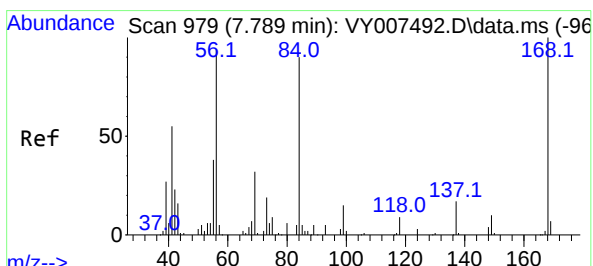
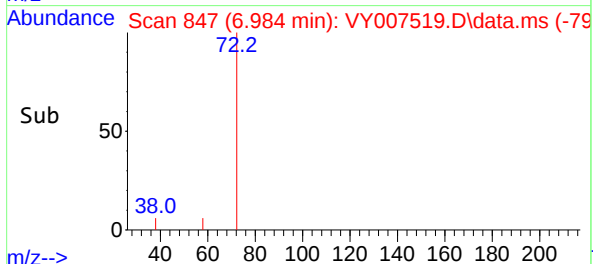
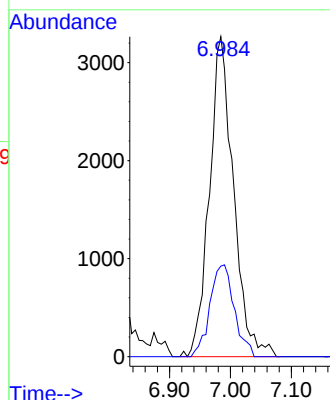
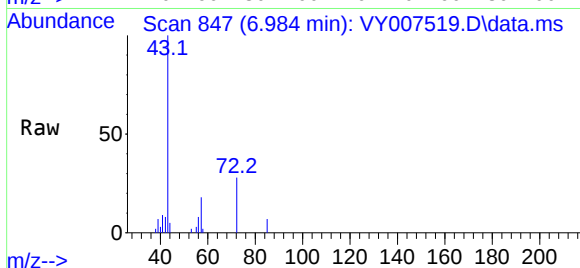
A5-2-6.5

Tgt Ion: 43 Resp: 8962

Ion Ratio Lower Upper

43 100

72 28.3 17.7 26.5#



#31

Cyclohexane

Concen: 21.994 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

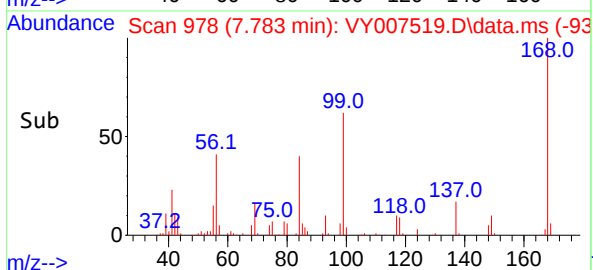
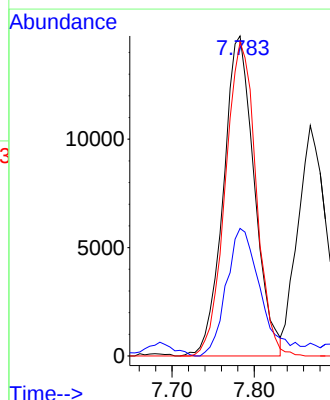
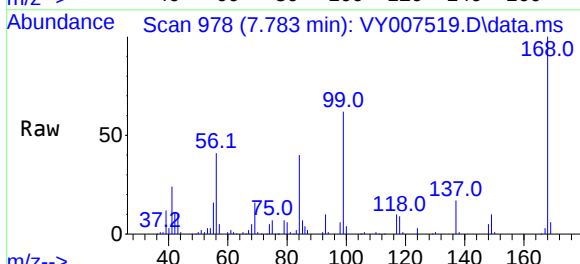
Tgt Ion: 56 Resp: 38717

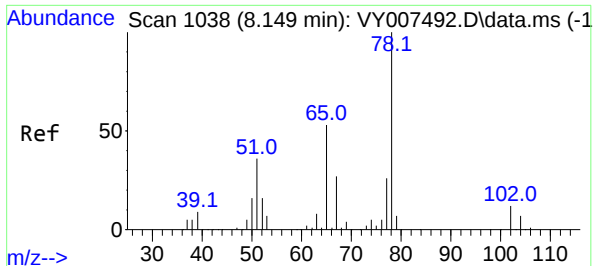
Ion Ratio Lower Upper

56 100

69 38.1 26.7 40.1

84 98.1 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 54.576 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

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MSVOA_Y

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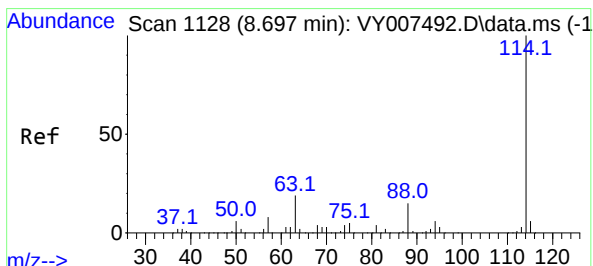
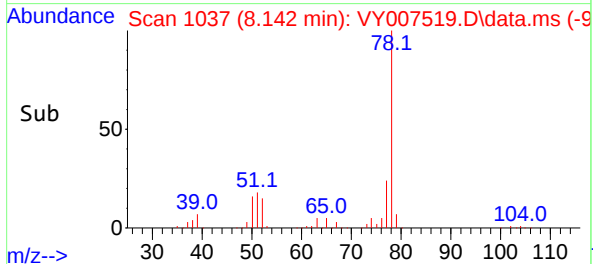
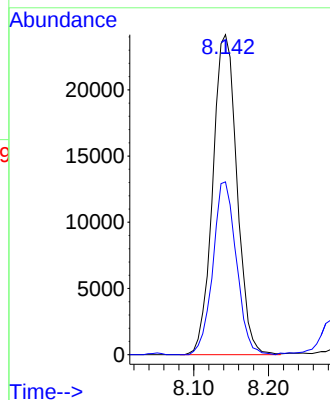
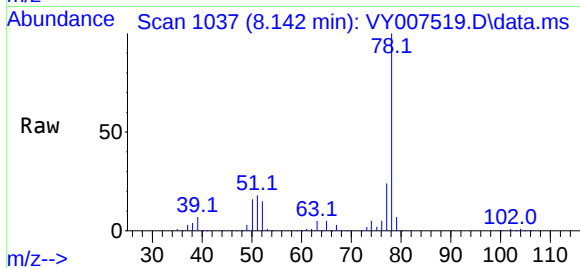
A5-2-6.5

Tgt Ion: 65 Resp: 54327

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

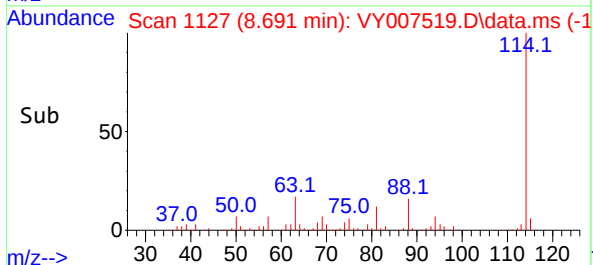
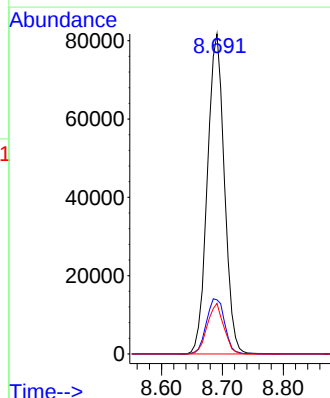
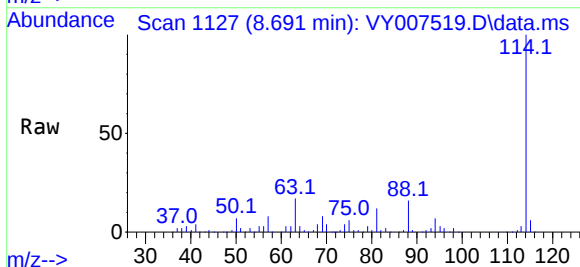
Tgt Ion: 114 Resp: 158583

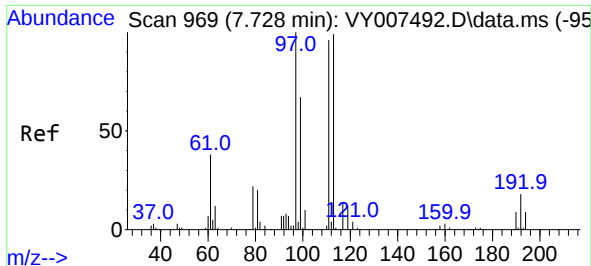
Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.145 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY007519.D

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Instrument :

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ClientSampleId :

A5-2-6.5

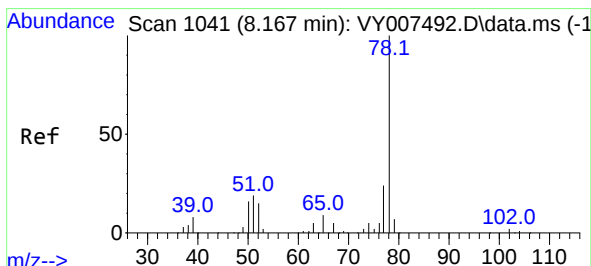
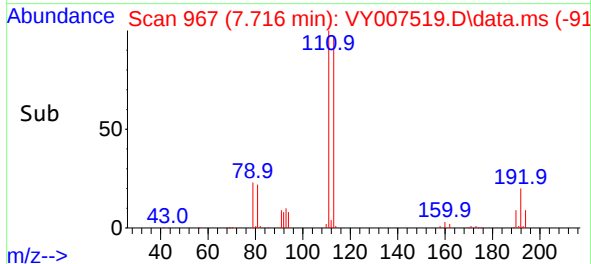
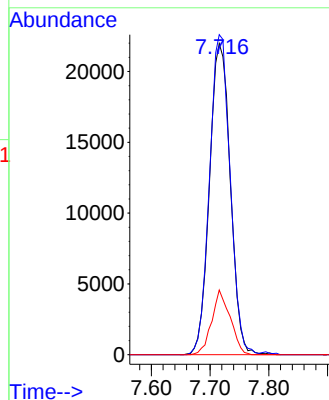
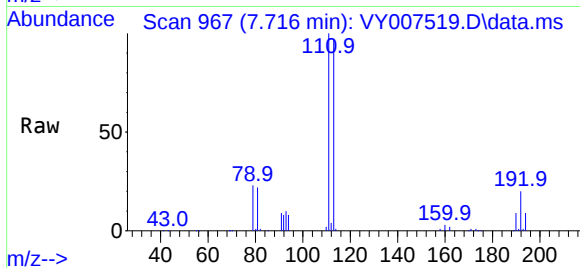
Tgt Ion:113 Resp: 54149

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 18.4 17.6 26.4



#40

Benzene

Concen: 489.595 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY007519.D

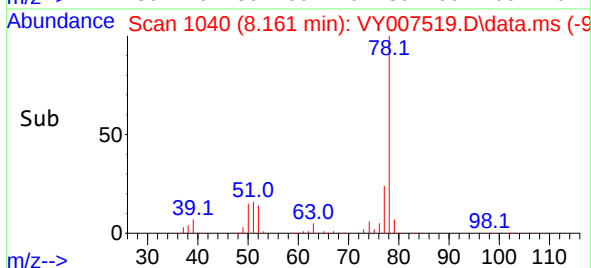
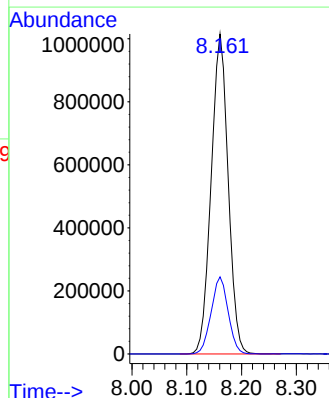
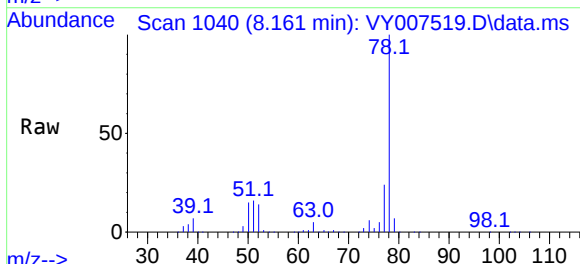
Acq: 17 Feb 2022 13:54

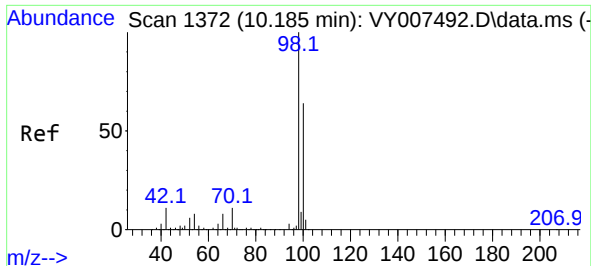
Tgt Ion: 78 Resp: 2181138

Ion Ratio Lower Upper

78 100

77 24.1 20.4 30.6

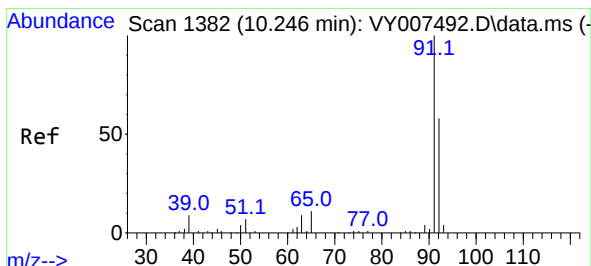
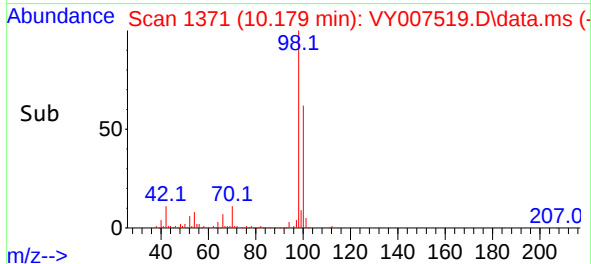
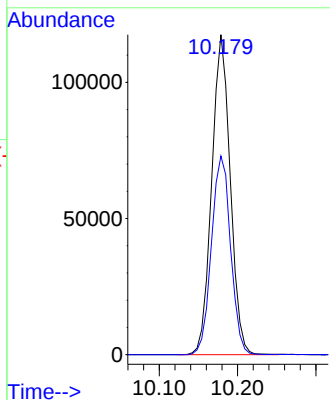
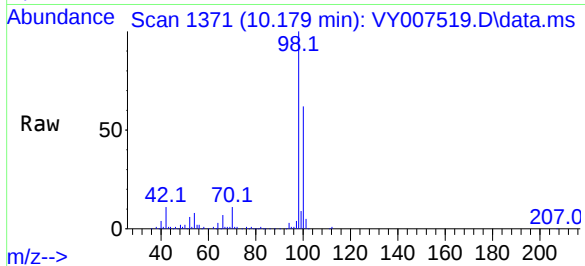




#50
Toluene-d8
Concen: 50.792 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

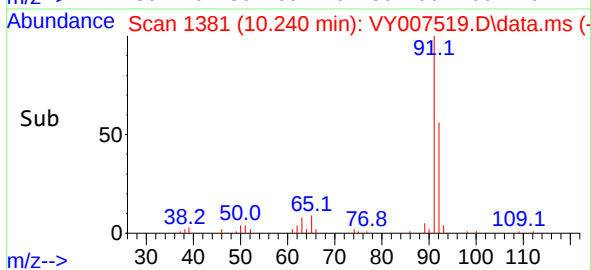
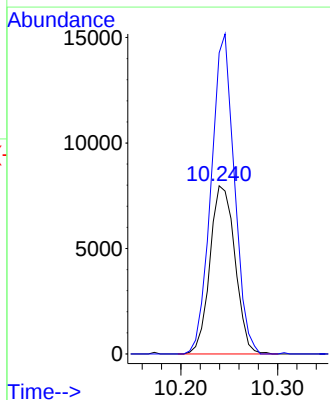
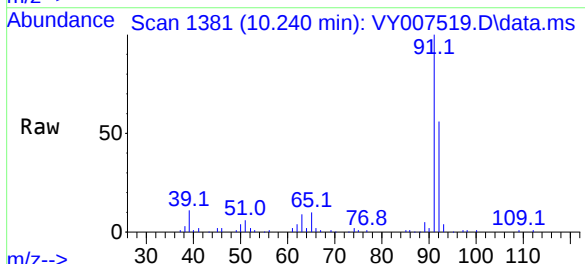
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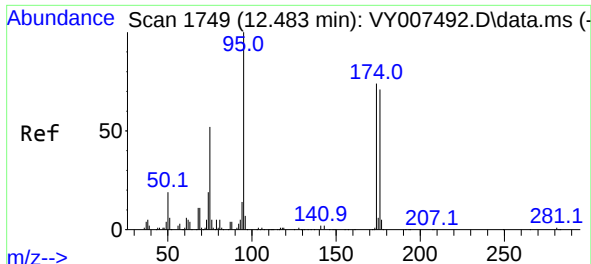
Tgt Ion: 98 Resp: 192926
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#52
Toluene
Concen: 5.010 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion: 92 Resp: 14312
Ion Ratio Lower Upper
92 100
91 176.4 142.6 213.8

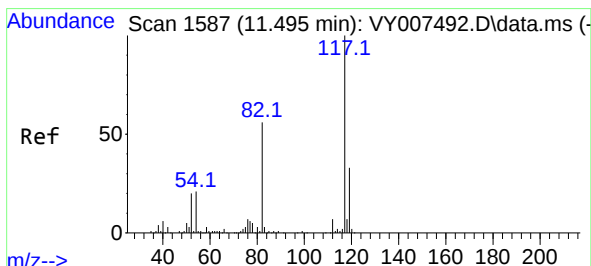
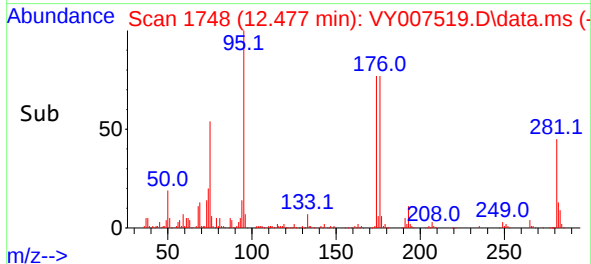
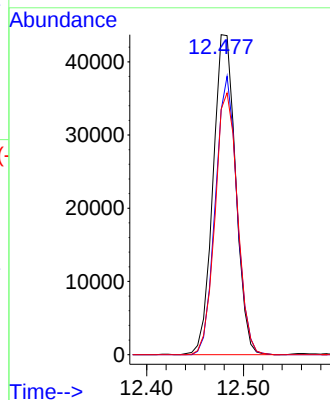
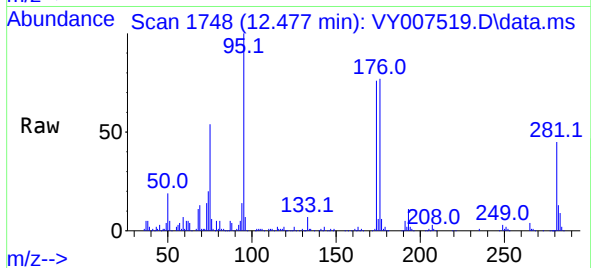




#62
4-Bromofluorobenzene
Concen: 55.000 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

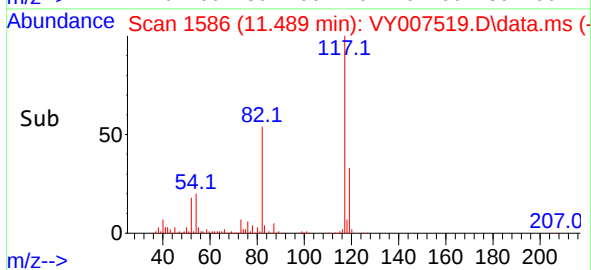
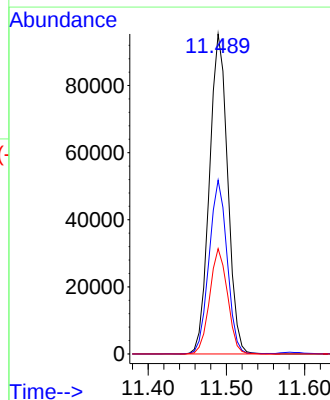
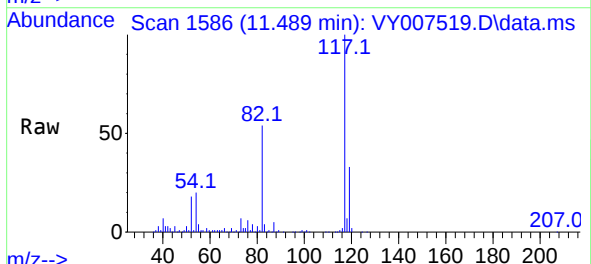
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

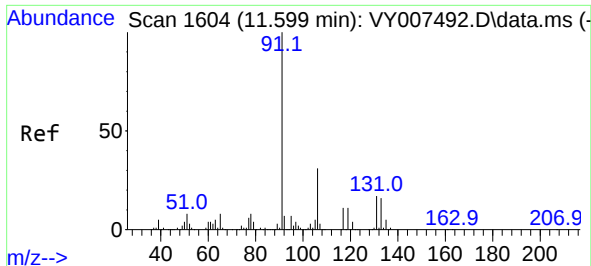
Tgt Ion: 95 Resp: 70837
Ion Ratio Lower Upper
95 100
174 82.8 0.0 177.0
176 81.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion: 117 Resp: 154306
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.9 25.4 38.0





#67

Ethyl Benzene

Concen: 36.949 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007519.D

Acq: 17 Feb 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

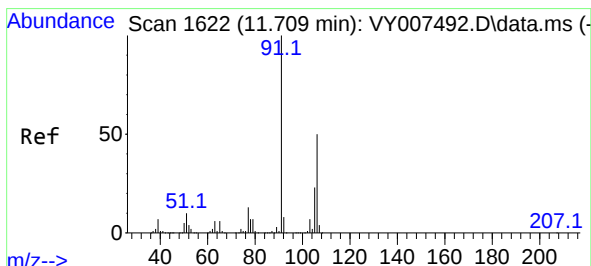
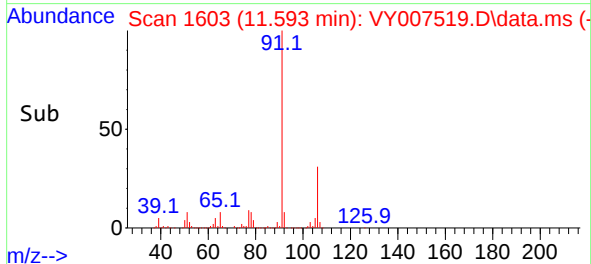
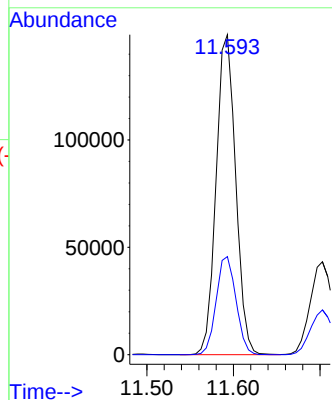
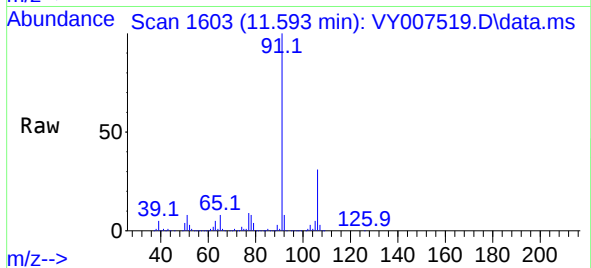
A5-2-6.5

Tgt Ion: 91 Resp: 233716

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



#68

m/p-Xylenes

Concen: 15.782 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY007519.D

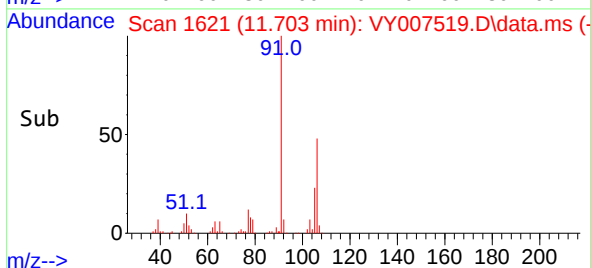
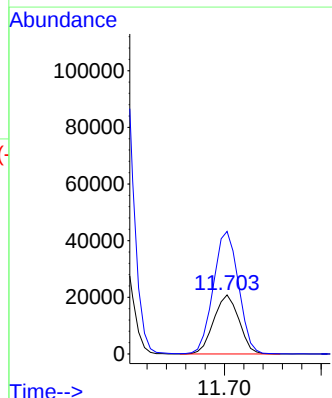
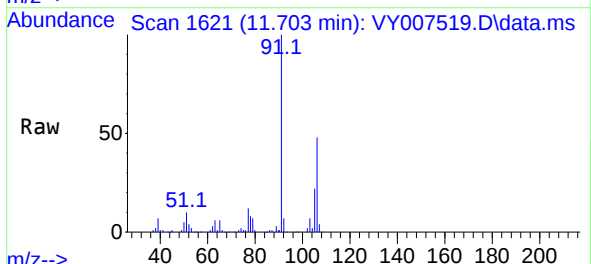
Acq: 17 Feb 2022 13:54

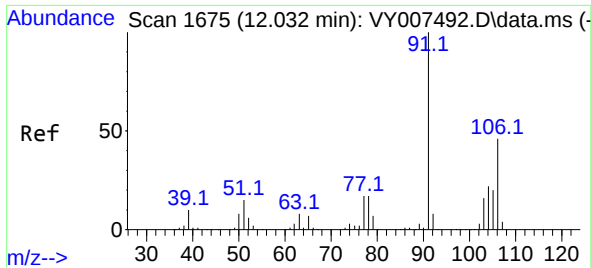
Tgt Ion:106 Resp: 37779

Ion Ratio Lower Upper

106 100

91 207.9 166.6 249.8

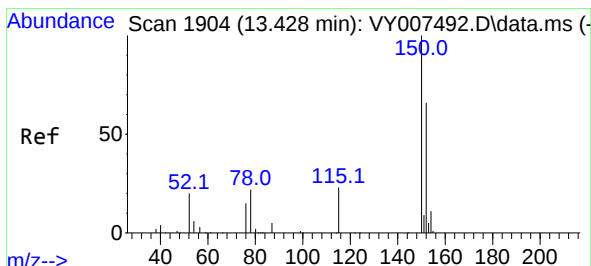
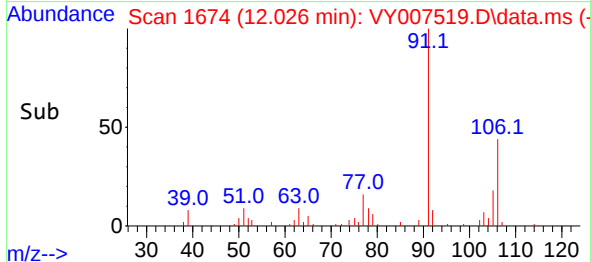
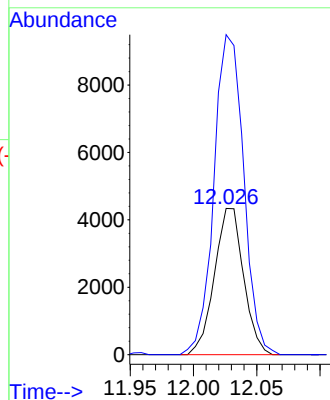
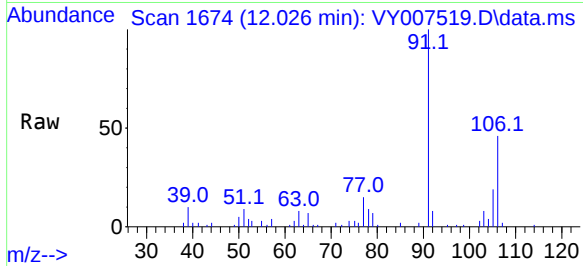




#69
o-Xylene
Concen: 3.070 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

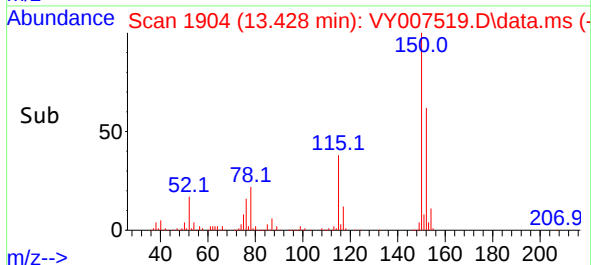
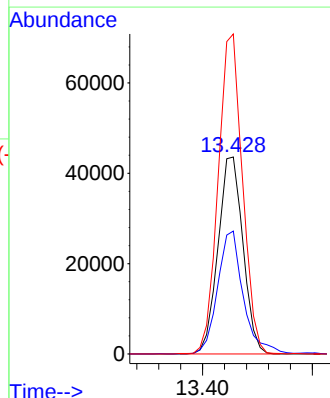
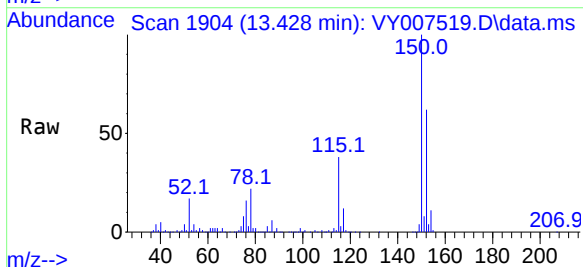
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

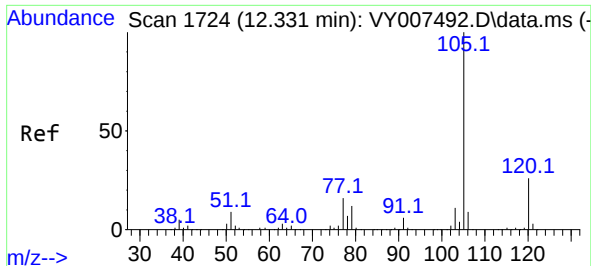
Tgt Ion:106 Resp: 6954
Ion Ratio Lower Upper
106 100
91 223.0 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion:152 Resp: 68929
Ion Ratio Lower Upper
152 100
115 64.4 28.2 84.7
150 158.4 0.0 347.6

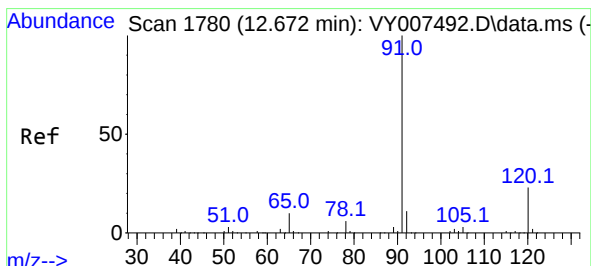
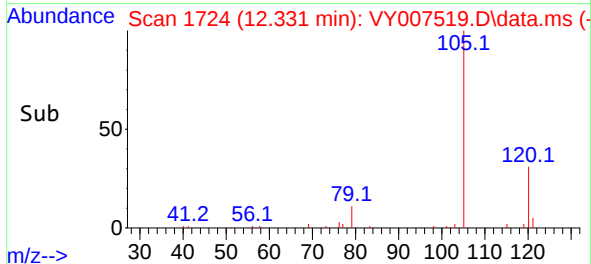
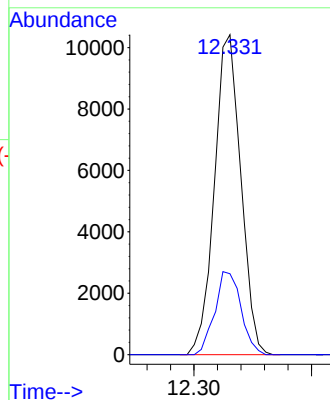
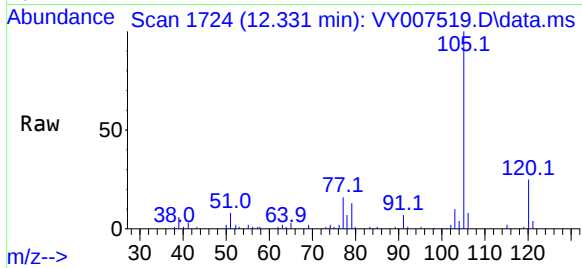




#73
Isopropylbenzene
Concen: 2.662 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

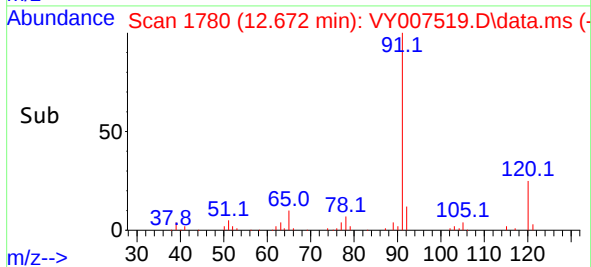
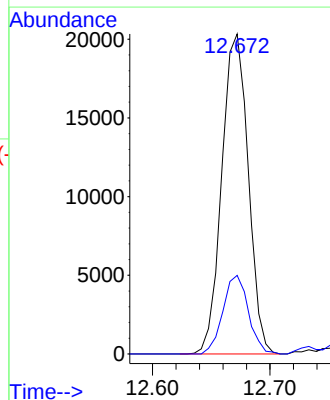
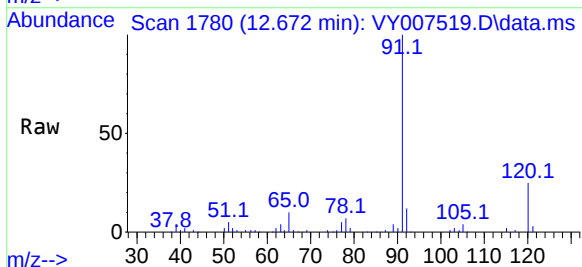
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

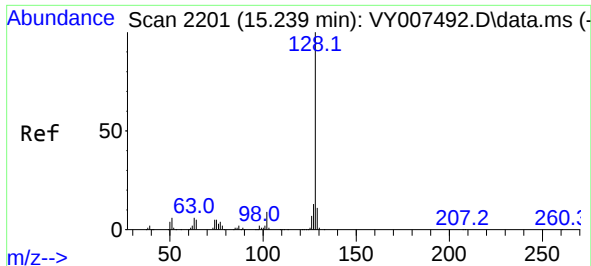
Tgt Ion:105 Resp: 16254
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.2



#78
n-propylbenzene
Concen: 4.328 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007519.D
Acq: 17 Feb 2022 13:54

Tgt Ion: 91 Resp: 31800
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9





#95

Naphthalene

Concen: 19.667 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY007519.D

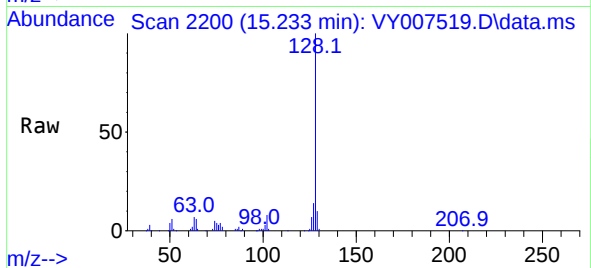
Acq: 17 Feb 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

A5-2-6.5



Tgt Ion:128 Resp: 57675

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

129 11.2 8.4 12.6

