

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017716.D
 Acq On : 19 Mar 2024 18:54
 Operator : SY/MD
 Sample : P1810-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 342

Quant Time: Mar 20 03:05:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

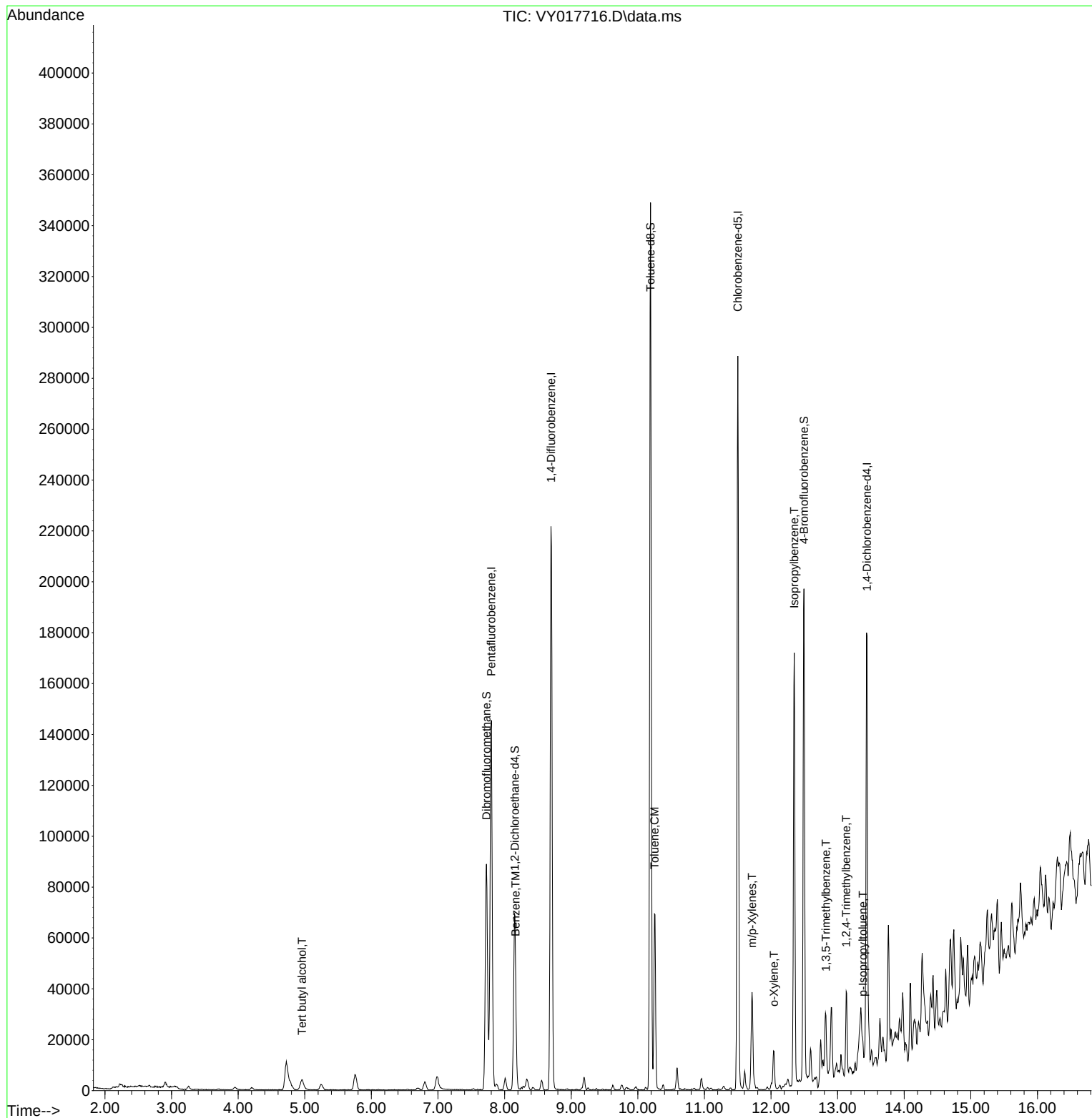
Internal Standards						
1) Pentafluorobenzene	7.801	168	114899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	207487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	166765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	46634	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49250	45.228	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.460%
35) Dibromofluoromethane	7.728	113	64158	44.374	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.740%
50) Toluene-d8	10.191	98	231049	45.705	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.420%
62) 4-Bromofluorobenzene	12.495	95	57441	36.156	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	7917	85.591	ug/l #	84
40) Benzene	8.167	78	8712	1.504	ug/l	99
52) Toluene	10.252	92	30753	8.421	ug/l	99
68) m/p-Xylenes	11.715	106	11780	4.829	ug/l	98
69) o-Xylene	12.044	106	4055	1.792	ug/l	96
73) Isopropylbenzene	12.349	105	9437	2.724	ug/l	81
80) 1,3,5-Trimethylbenzene	12.824	105	4651	1.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	18338	6.692	ug/l	98
86) p-Isopropyltoluene	13.379	119	3568	1.170	ug/l #	70

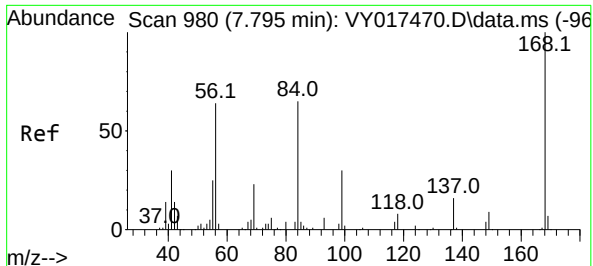
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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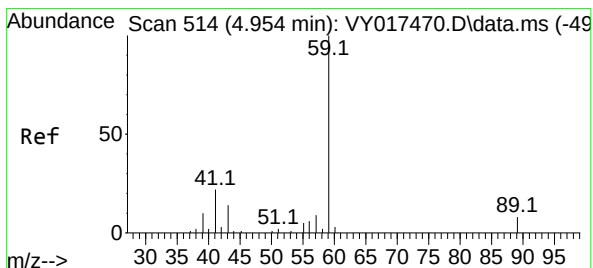
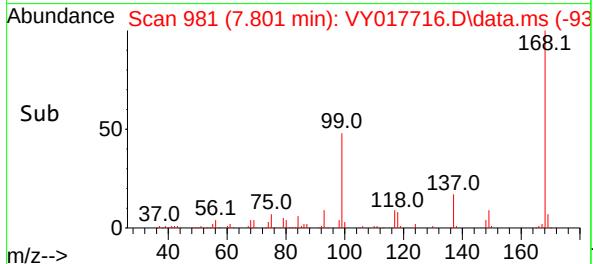
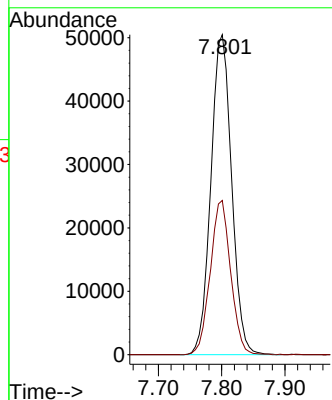
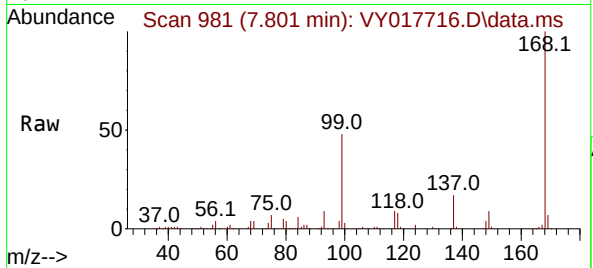




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

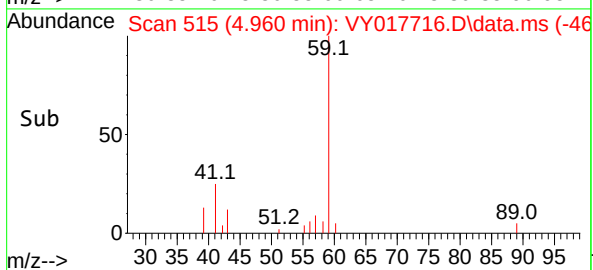
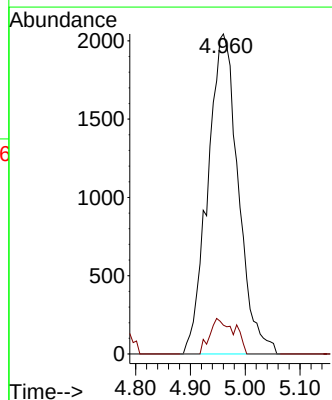
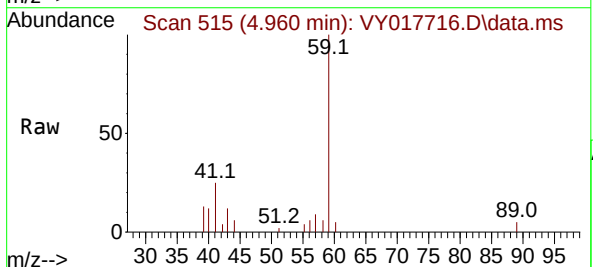
Instrument :
MSVOA_Y
ClientSampleId :
342

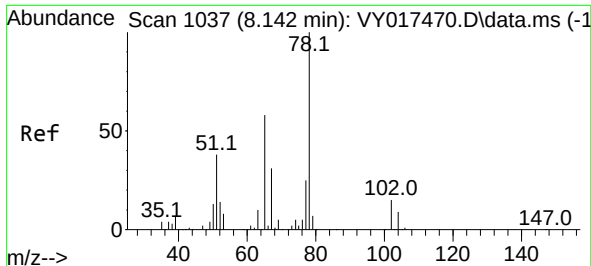
Tgt Ion:168 Resp: 114899
Ion Ratio Lower Upper
168 100
99 48.2 39.1 58.7



#11
Tert butyl alcohol
Concen: 85.591 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

Tgt Ion: 59 Resp: 7917
Ion Ratio Lower Upper
59 100
57 9.0 3.0 4.6#





#33

1,2-Dichloroethane-d4

Concen: 45.228 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY017716.D

Acq: 19 Mar 2024 18:54

Instrument :

MSVOA_Y

ClientSampleId :

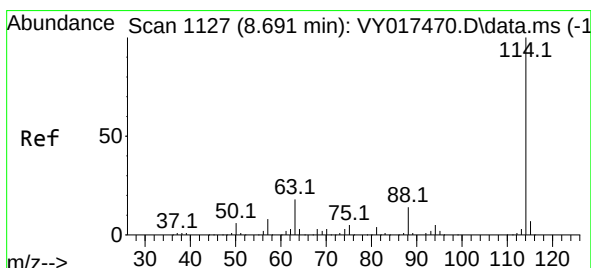
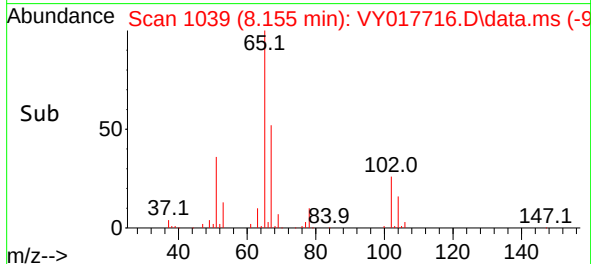
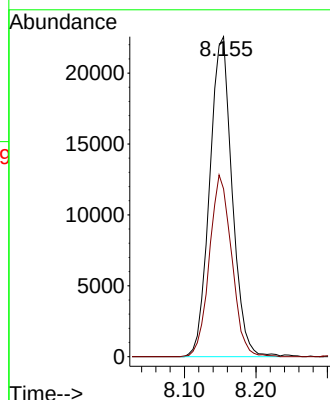
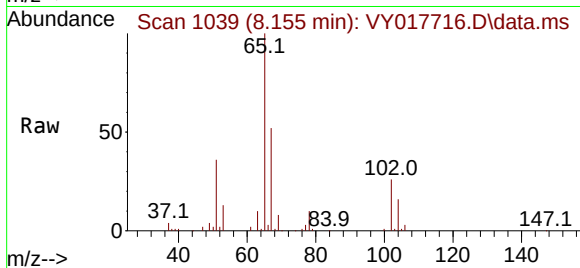
342

Tgt Ion: 65 Resp: 49250

Ion Ratio Lower Upper

65 100

67 56.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017716.D

Acq: 19 Mar 2024 18:54

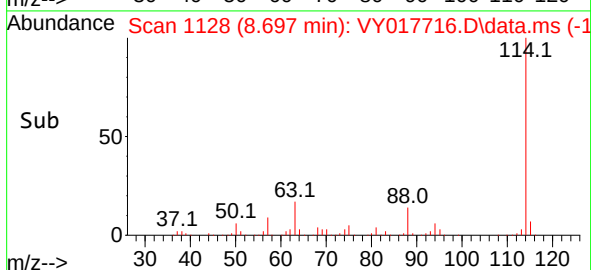
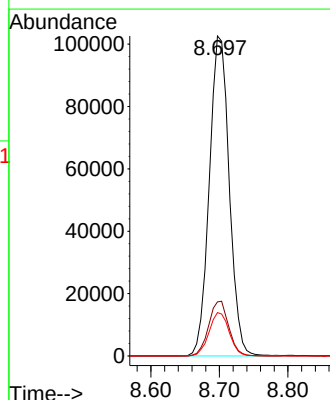
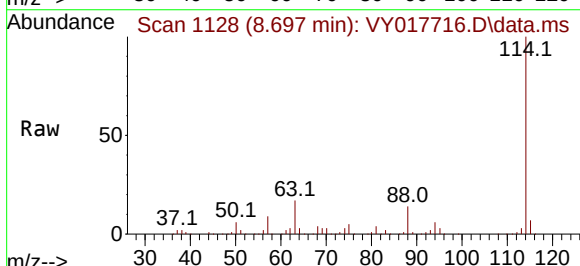
Tgt Ion: 114 Resp: 207487

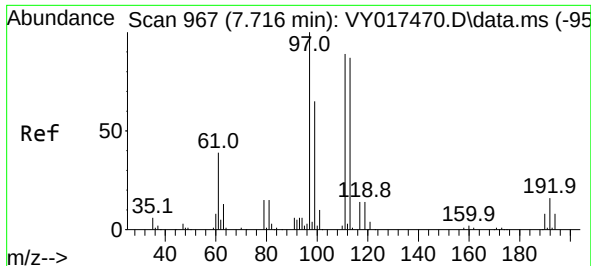
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.5 0.0 27.2

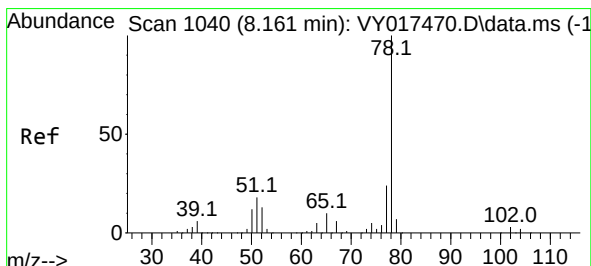
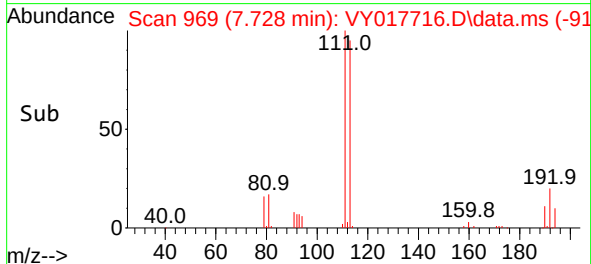
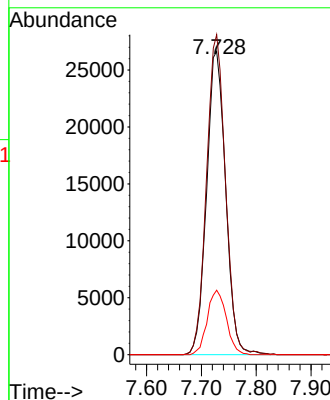
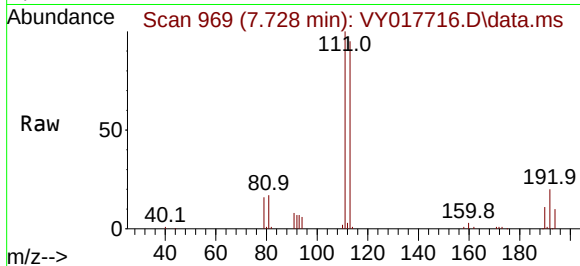




#35
Dibromofluoromethane
Concen: 44.374 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

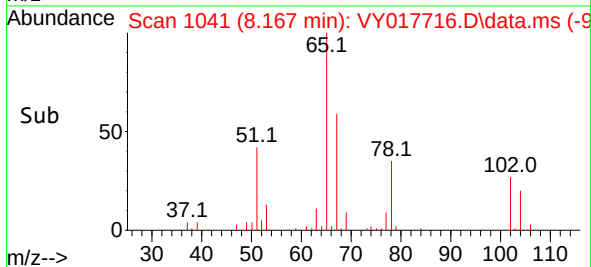
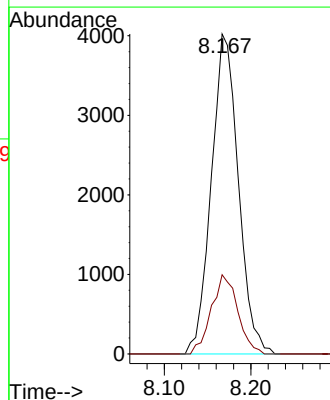
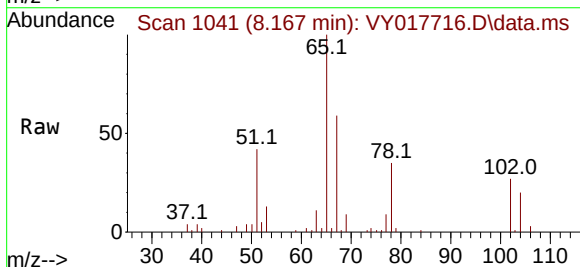
Instrument :
MSVOA_Y
ClientSampleId :
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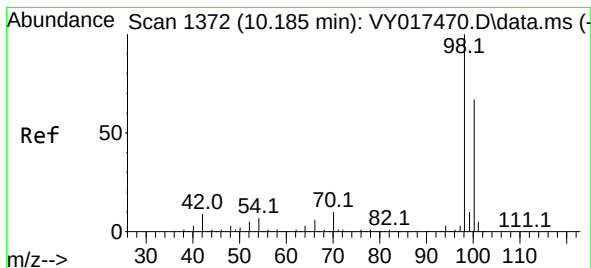
Tgt Ion:113 Resp: 64158
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.4
192 21.3 15.9 23.9



#40
Benzene
Concen: 1.504 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

Tgt Ion: 78 Resp: 8712
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3





#50

Toluene-d8

Concen: 45.705 ug/l

RT: 10.191 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY017716.D

Acq: 19 Mar 2024 18:54

Instrument :

MSVOA_Y

ClientSampleId :

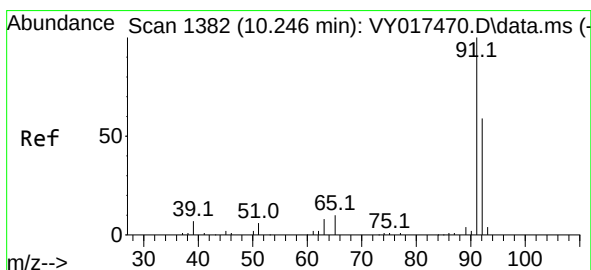
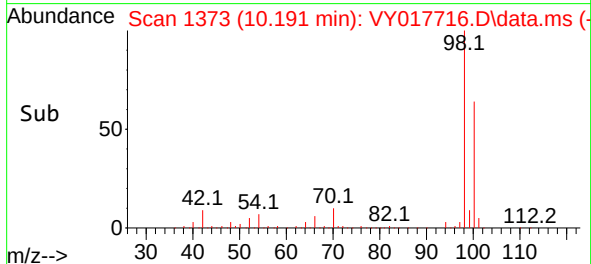
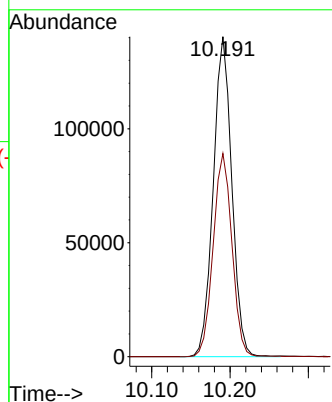
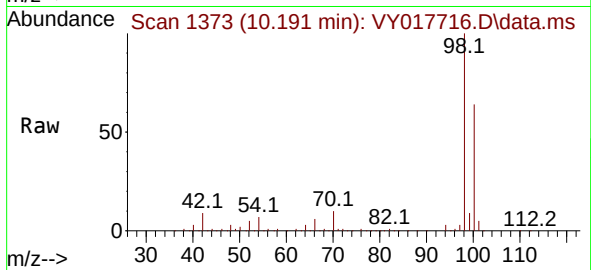
342

Tgt Ion: 98 Resp: 231049

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#52

Toluene

Concen: 8.421 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY017716.D

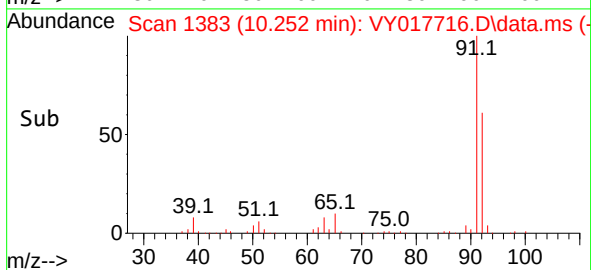
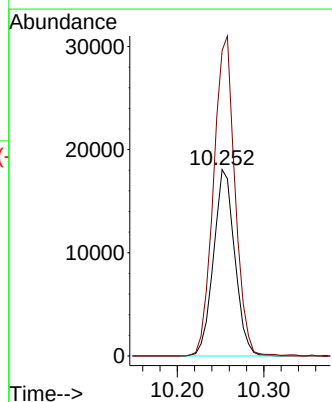
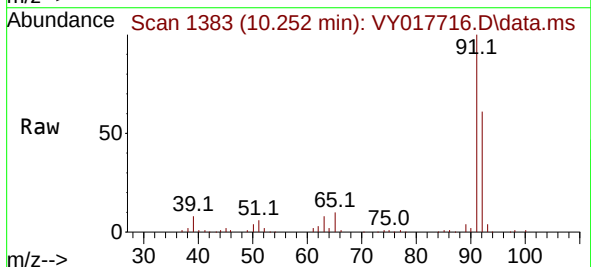
Acq: 19 Mar 2024 18:54

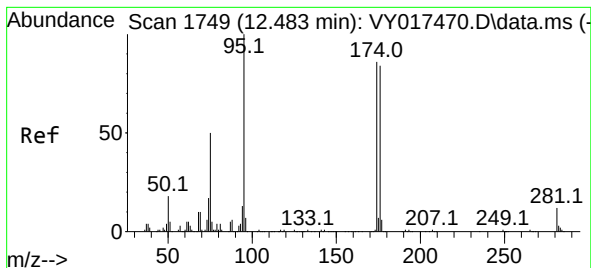
Tgt Ion: 92 Resp: 30753

Ion Ratio Lower Upper

92 100

91 173.1 139.0 208.6

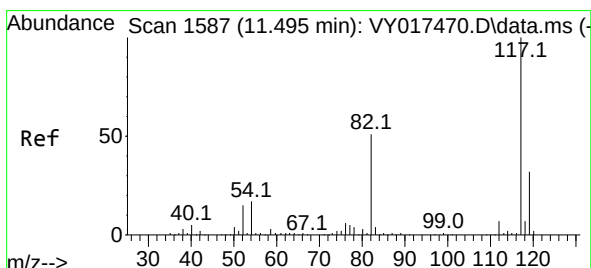
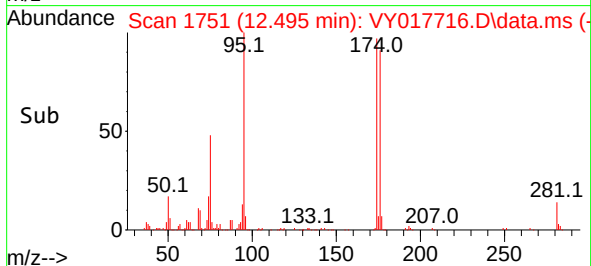
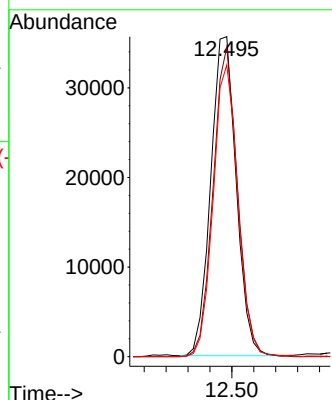
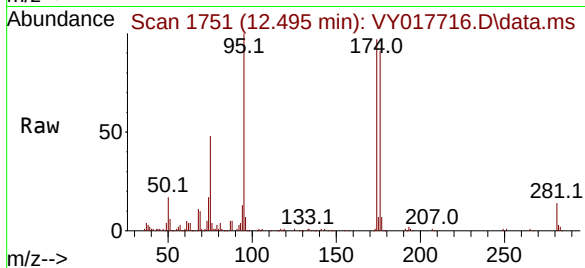




#62
4-Bromofluorobenzene
Concen: 36.156 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

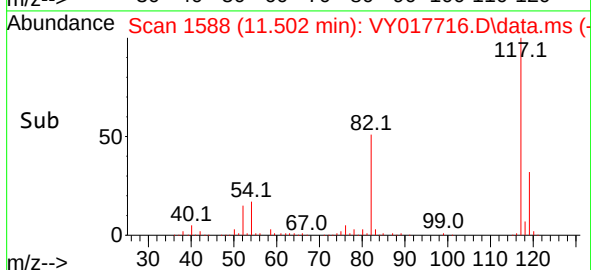
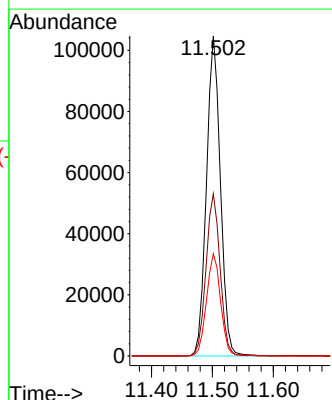
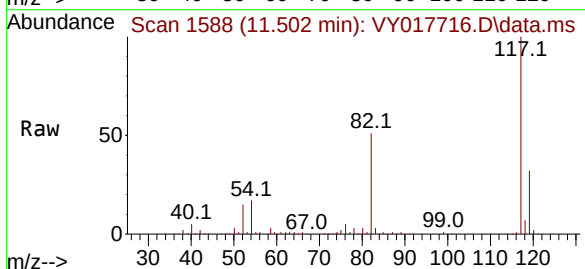
Instrument :
MSVOA_Y
ClientSampleId :
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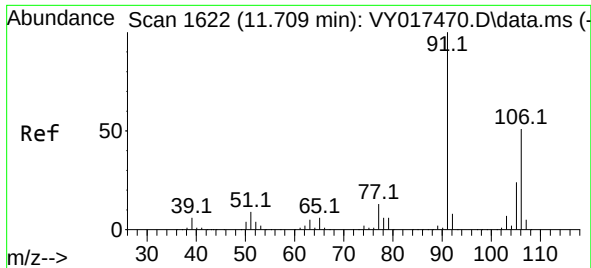
Tgt Ion:	95	Resp:	57441
Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	175.6
176	88.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

Tgt Ion:	117	Resp:	166765
Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.4	63.6
119	31.9	25.9	38.9

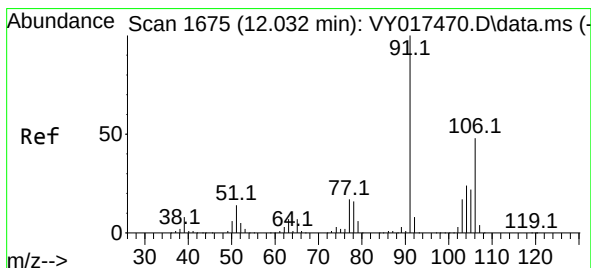
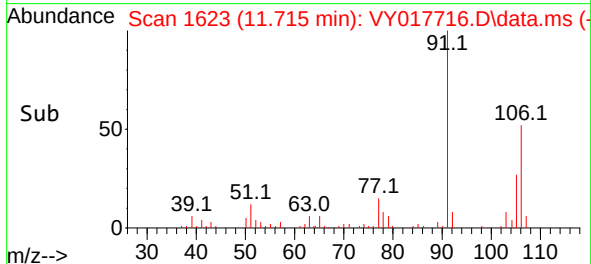
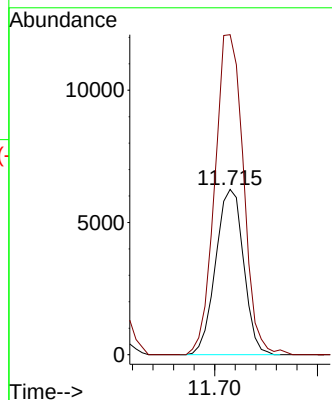
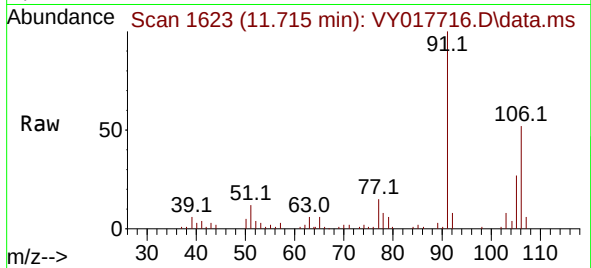




#68
m/p-Xylenes
Concen: 4.829 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

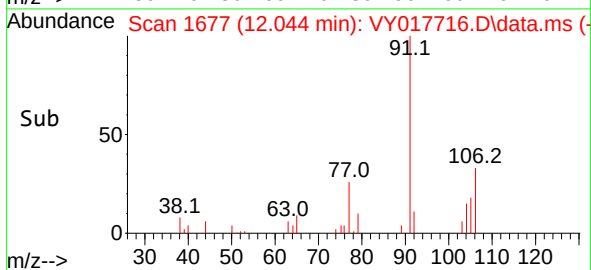
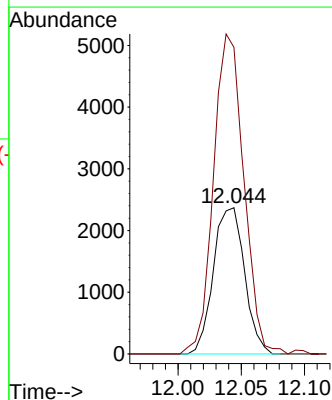
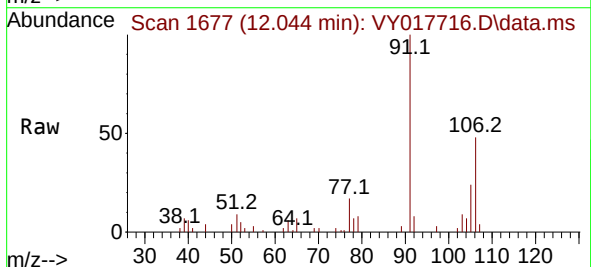
Instrument :
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ClientSampleId :
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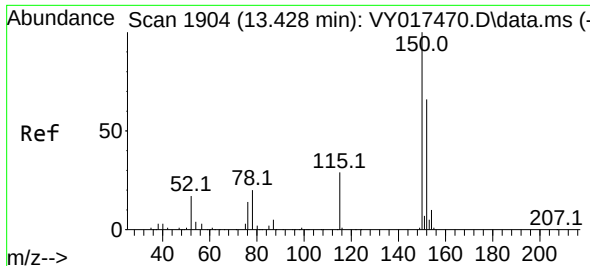
Tgt Ion:106 Resp: 11780
Ion Ratio Lower Upper
106 100
91 198.7 156.0 234.0



#69
o-Xylene
Concen: 1.792 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

Tgt Ion:106 Resp: 4055
Ion Ratio Lower Upper
106 100
91 212.7 103.6 310.8

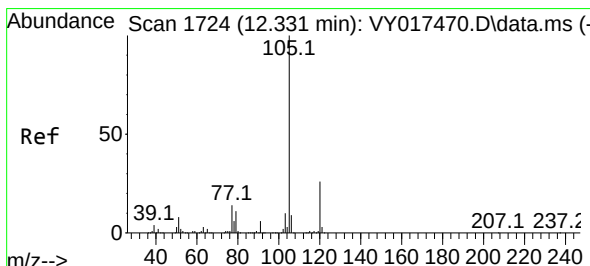
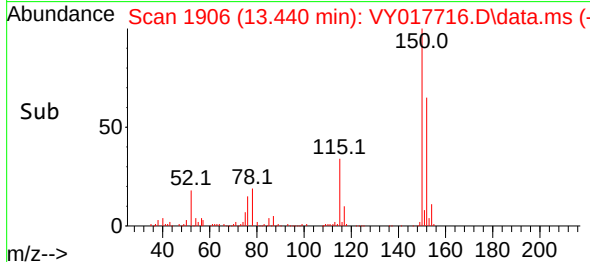
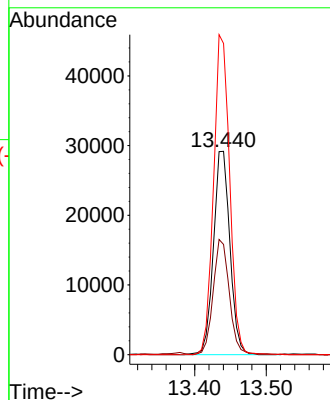
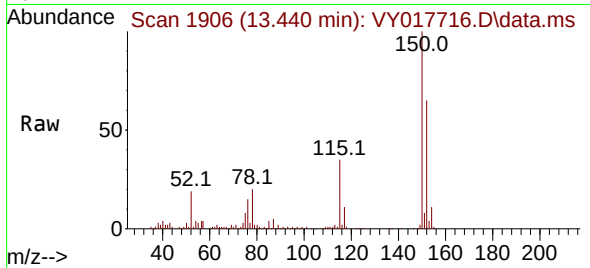




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1904
Delta R.T. 0.012 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

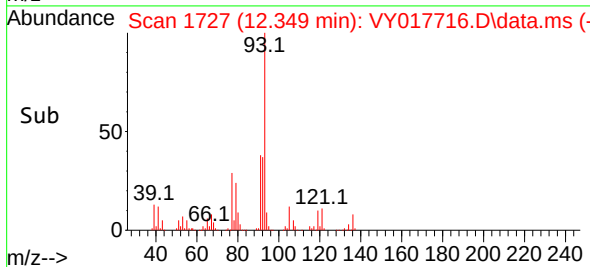
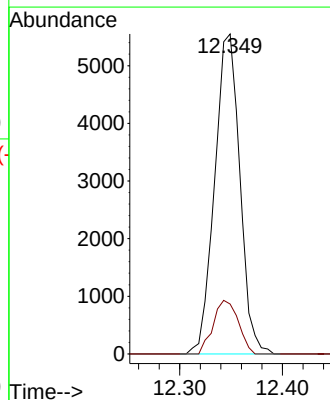
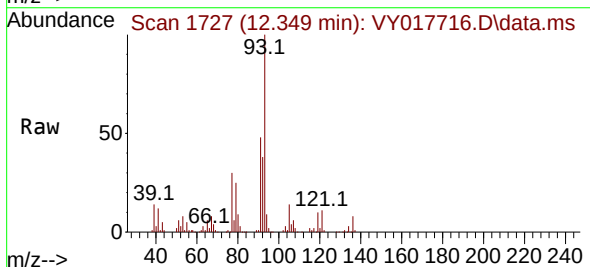
Instrument :
MSVOA_Y
ClientSampleId :
342

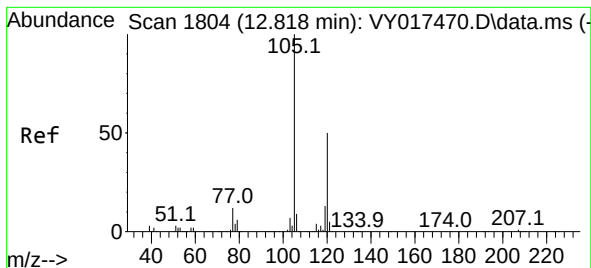
Tgt Ion:152 Resp: 46634
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 153.8 0.0 345.6



#73
Isopropylbenzene
Concen: 2.724 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.018 min
Lab File: VY017716.D
Acq: 19 Mar 2024 18:54

Tgt Ion:105 Resp: 9437
Ion Ratio Lower Upper
105 100
120 16.7 13.4 40.1





#80

1,3,5-Trimethylbenzene

Concen: 1.676 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017716.D

Acq: 19 Mar 2024 18:54

Instrument :

MSVOA_Y

ClientSampleId :

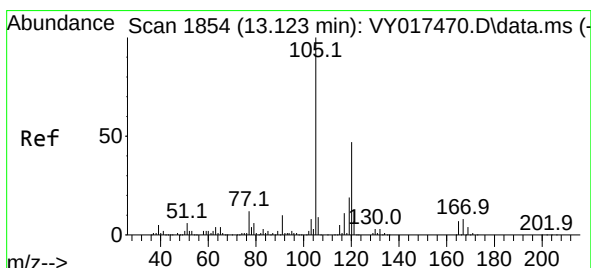
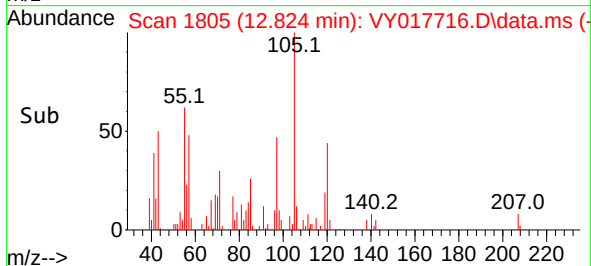
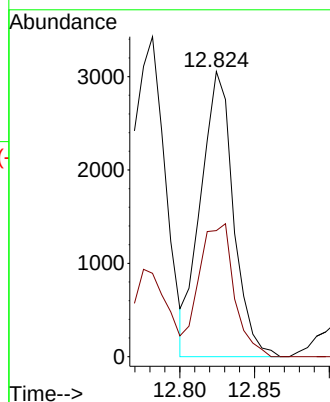
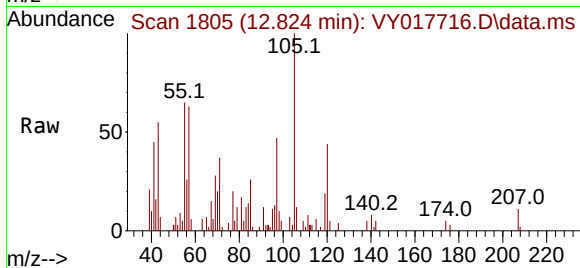
342

Tgt Ion:105 Resp: 4651

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.2



#84

1,2,4-Trimethylbenzene

Concen: 6.692 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY017716.D

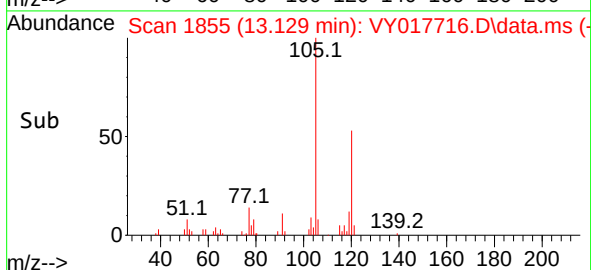
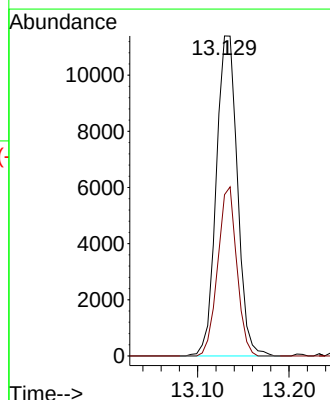
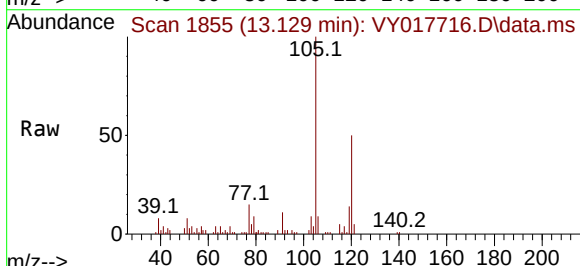
Acq: 19 Mar 2024 18:54

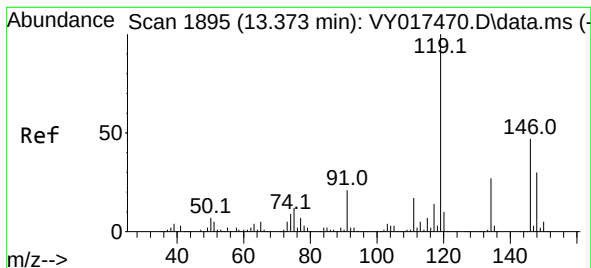
Tgt Ion:105 Resp: 18338

Ion Ratio Lower Upper

105 100

120 47.5 23.2 69.6





#86

p-Isopropyltoluene

Concen: 1.170 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017716.D

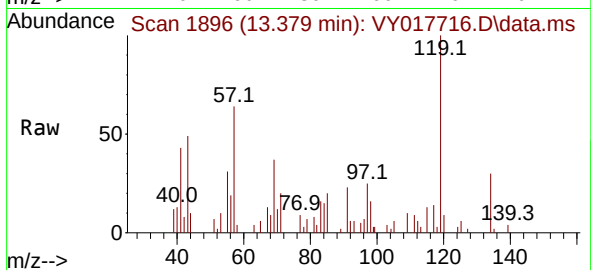
Acq: 19 Mar 2024 18:54

Instrument :

MSVOA_Y

ClientSampleId :

342



Tgt Ion:119 Resp: 3568

Ion Ratio Lower Upper

119 100

134 34.9 13.1 39.3

91 0.0 10.7 32.1#

