

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001270.D
 Acq On : 17 Jan 2020 17:11
 Operator : SY/MD
 Sample : L1016-05
 Misc : 7.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-011520

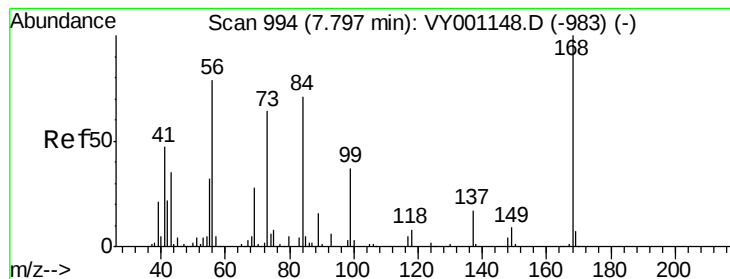
Quant Time: Jan 18 03:53:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	178207	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	318228	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	265806	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	98905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	99244	52.73	ug/l	0.02
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.75	113	93394	50.13	ug/l	0.02
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.19	98	364522	50.77	ug/l	0.01
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.49	95	116026	39.53	ug/l	0.01
Spiked Amount			Recovery	=	79.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Toluene	10.25	92	6804	1.260	ug/l	97
67) Ethyl Benzene	11.60	91	22404	2.306	ug/l	97
68) m/p-Xylenes	11.70	106	21402	5.839	ug/l	98
69) o-Xylene	12.03	106	26073	7.420	ug/l	99
73) Isopropylbenzene	12.33	105	12054	1.621	ug/l	99
78) n-propylbenzene	12.68	91	37987	4.247	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	72561	11.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	197744	32.097	ug/l	99
85) sec-Butylbenzene	13.26	105	29402	3.921	ug/l	93
86) p-Isopropyltoluene	13.38	119	24600	3.778	ug/l	99
95) Naphthalene	15.24	128	42108	9.506	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.02 min

Lab File: VY001270.D

Acq: 17 Jan 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

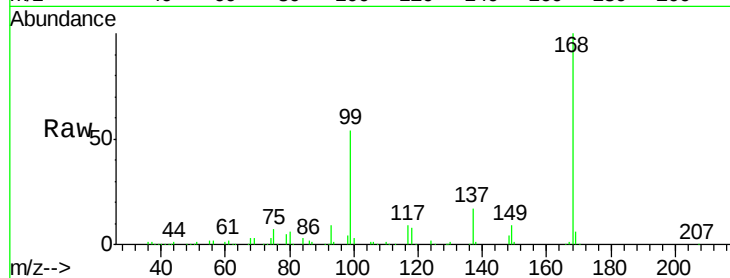
SU-03-011520

Tot Ion:168 Resp: 178207

Ion Ratio Lower Upper

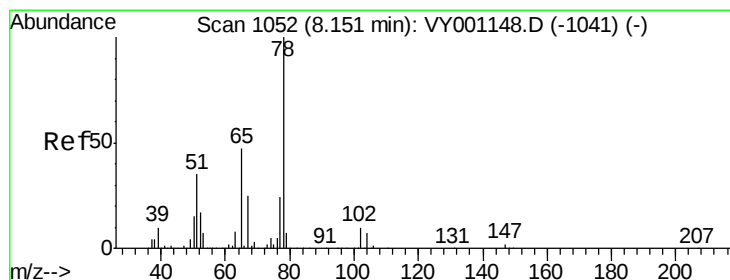
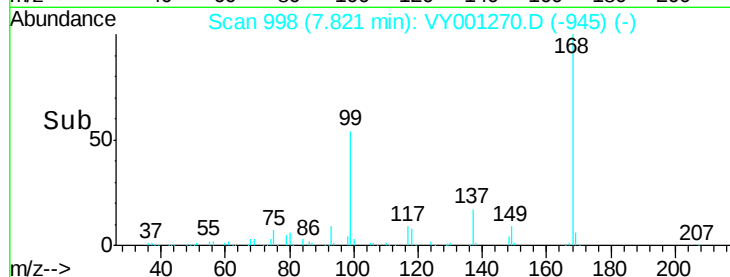
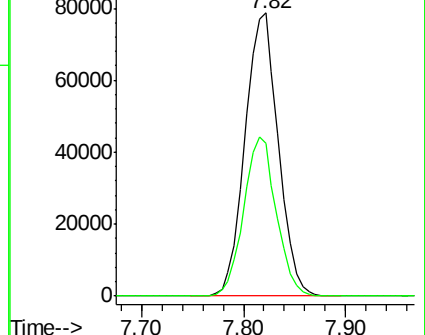
168 100

99 53.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.728 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VY001270.D

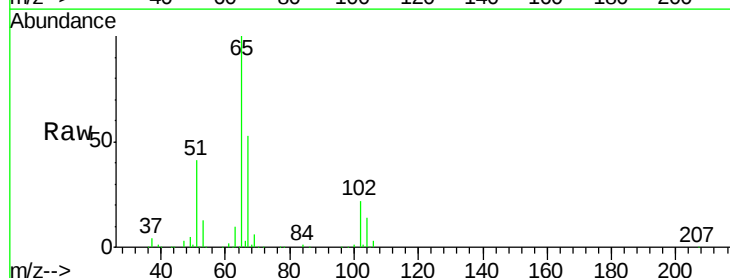
Acq: 17 Jan 2020 17:11

Tgt Ion: 65 Resp: 99244

Ion Ratio Lower Upper

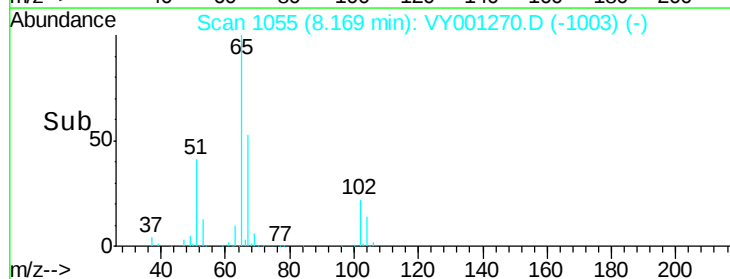
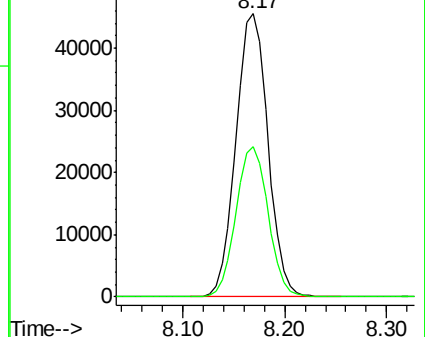
65 100

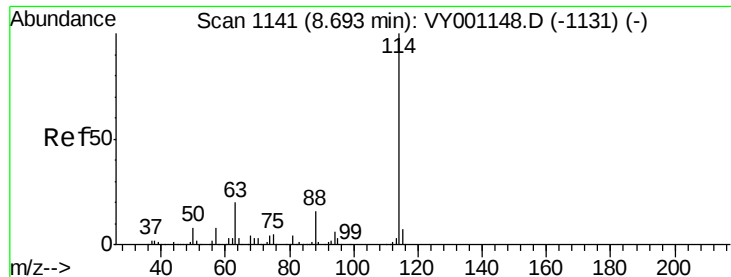
67 53.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY001148.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY001148.D (-1041) (-)

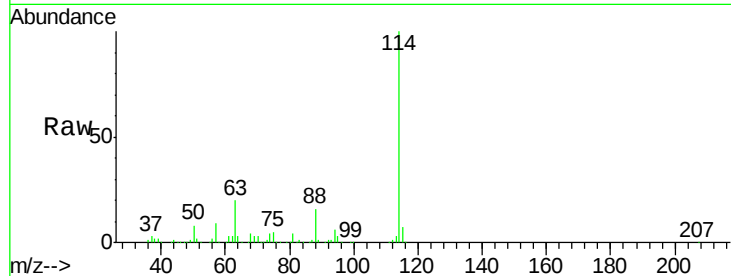




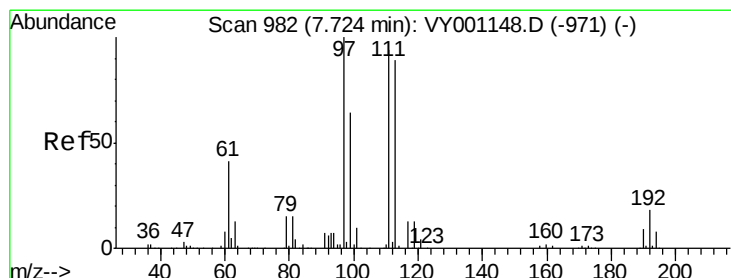
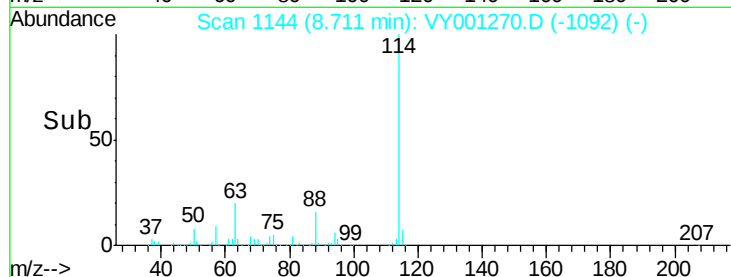
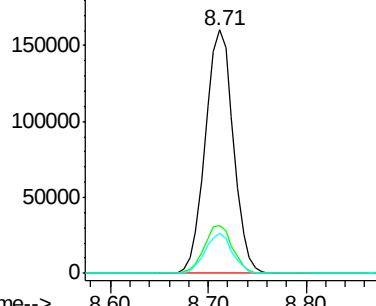
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-011520

Tot Ion:114 Resp: 318228
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 16.4 0.0 32.4

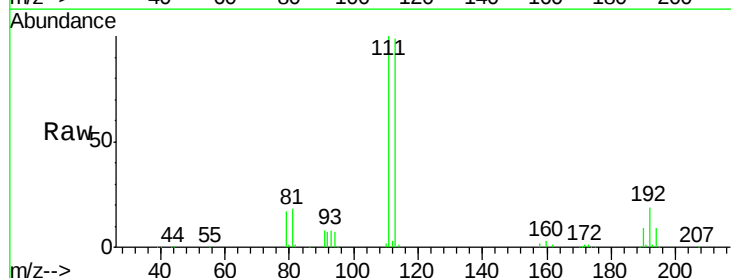


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

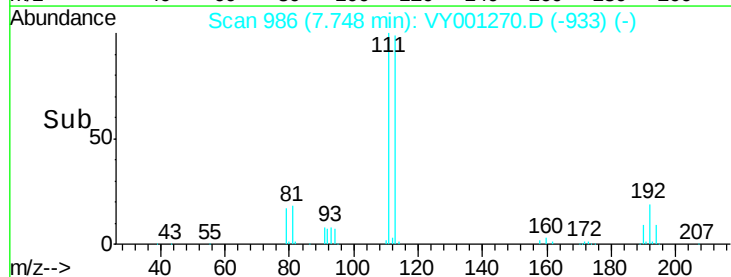
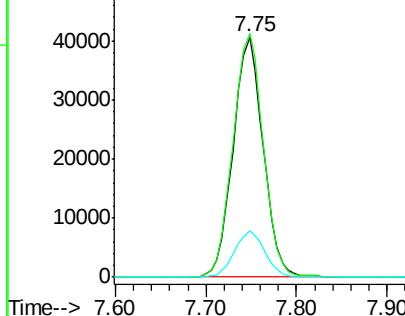


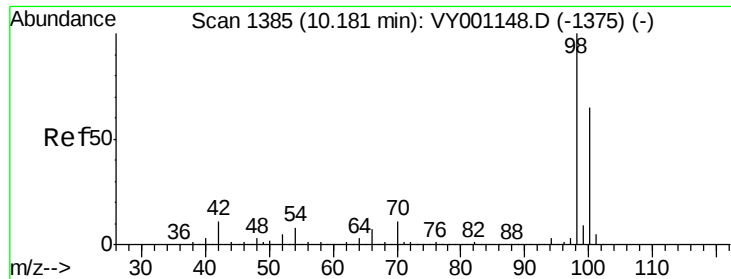
#35
Dibromofluoromethane
Concen: 50.125 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.02 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Tgt Ion:113 Resp: 93394
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 19.4 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.774 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001270.D

Acq: 17 Jan 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

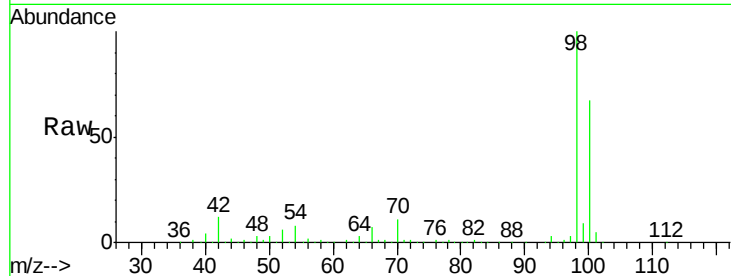
SU-03-011520

Tot Ion: 98 Resp: 364522

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001270.D (-1336) (-)

10.19

250000

200000

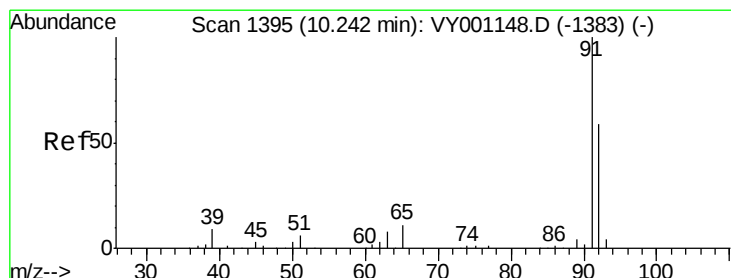
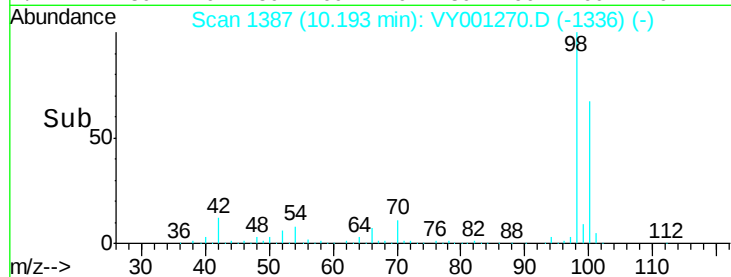
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.260 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY001270.D

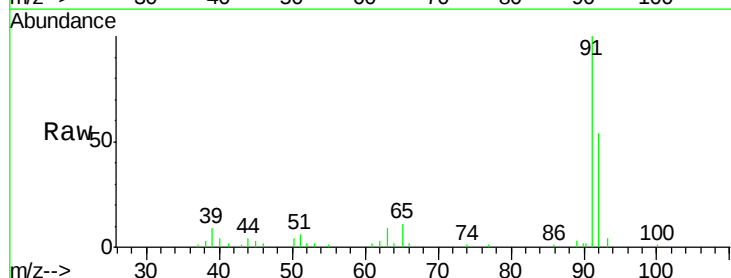
Acq: 17 Jan 2020 17:11

Tgt Ion: 92 Resp: 6804

Ion Ratio Lower Upper

92 100

91 175.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001148.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001270.D (-1346) (-)

10.25

8000

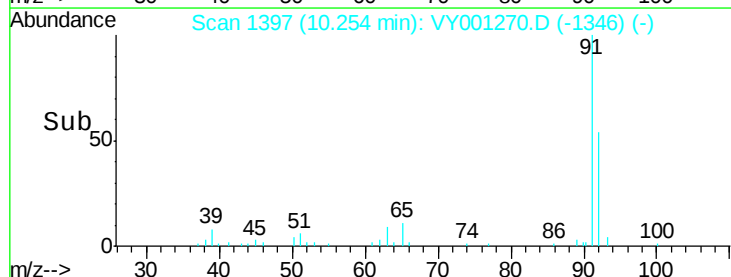
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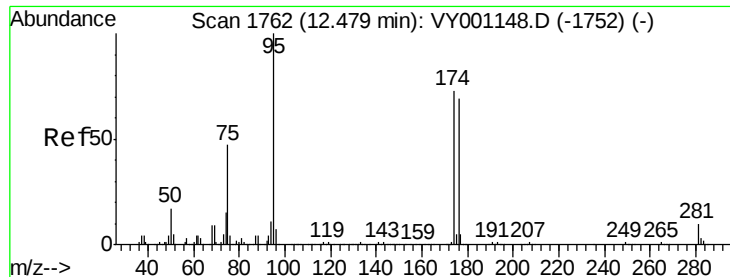
4000

2000

0

Time-->

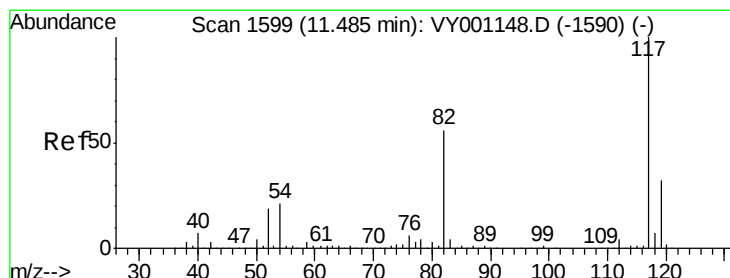
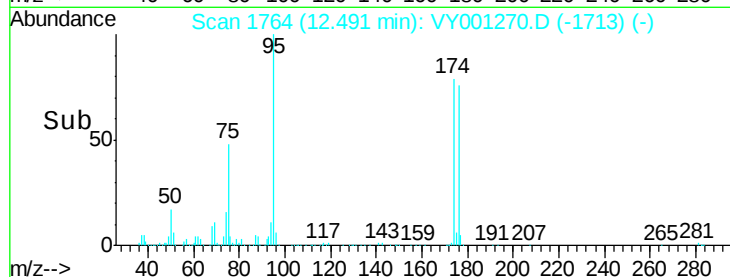
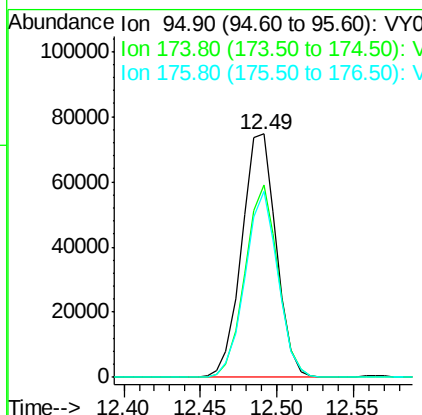
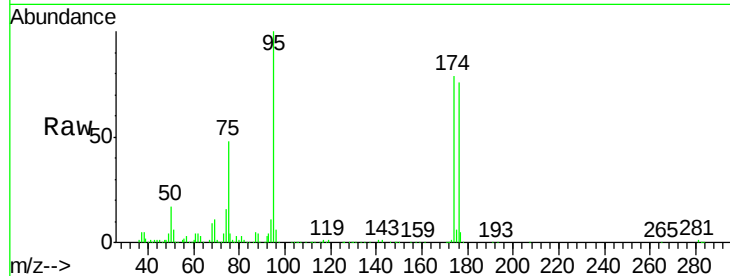




#62
4-Bromofluorobenzene
Concen: 39.530 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

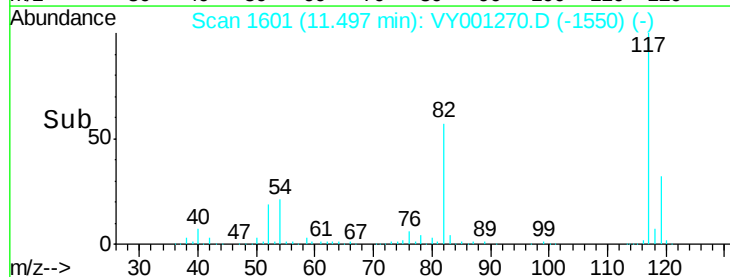
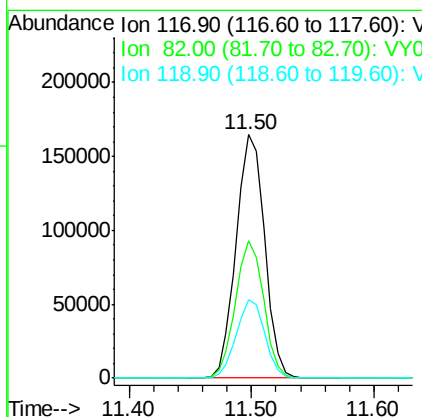
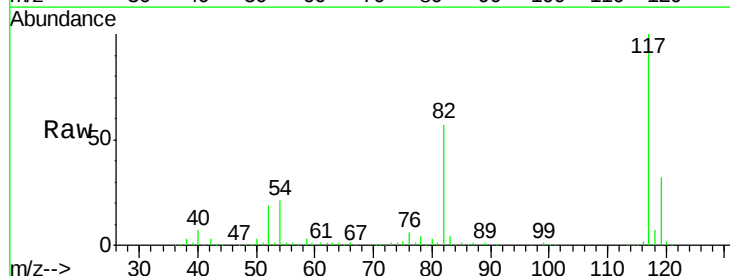
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-011520

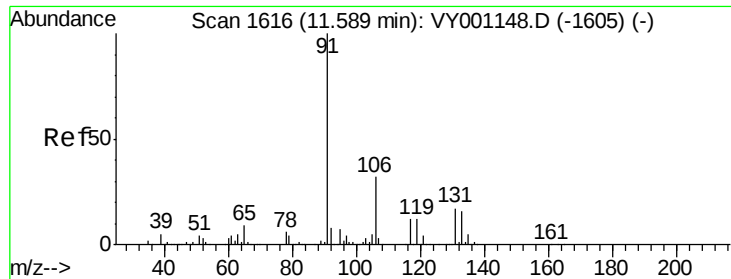
Tot Ion	95	Resp	116026
Ion Ratio	Lower	Upper	
95	100		
174	76.1	0.0	143.2
176	73.3	0.0	136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Tgt Ion	117	Resp	265806
Ion Ratio	Lower	Upper	
117	100		
82	56.6	44.9	67.3
119	32.1	25.7	38.5

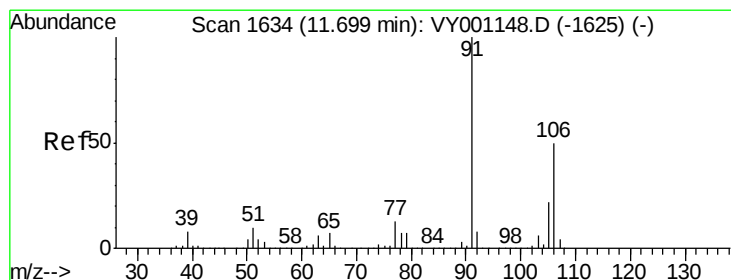
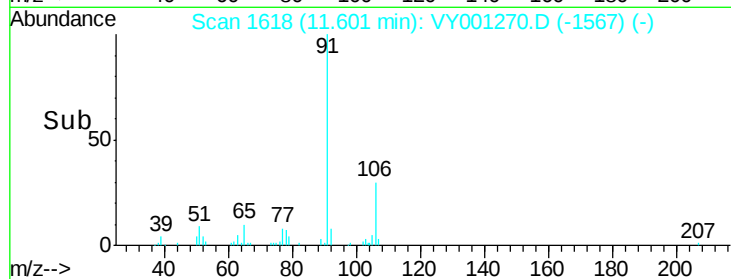
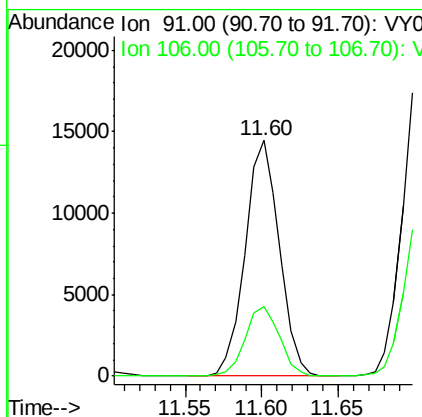
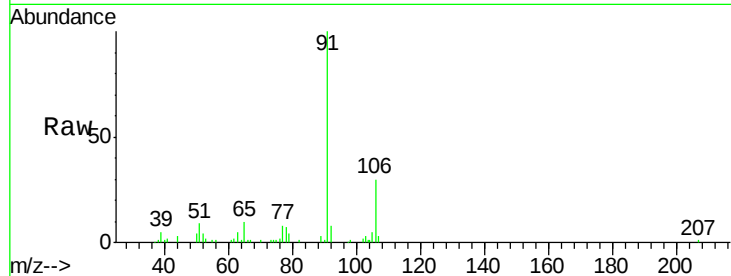




#67
Ethyl Benzene
Concen: 2.306 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

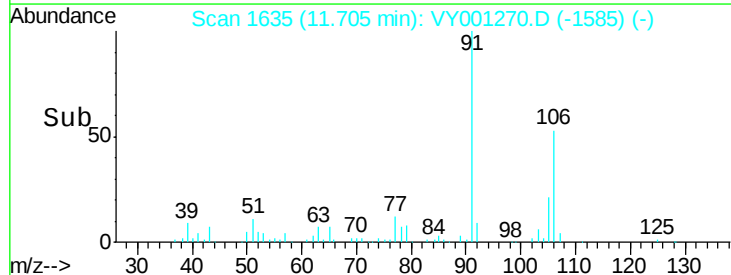
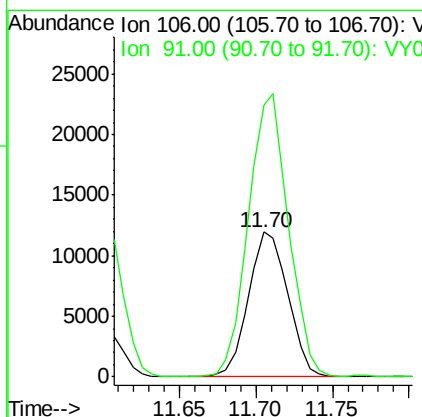
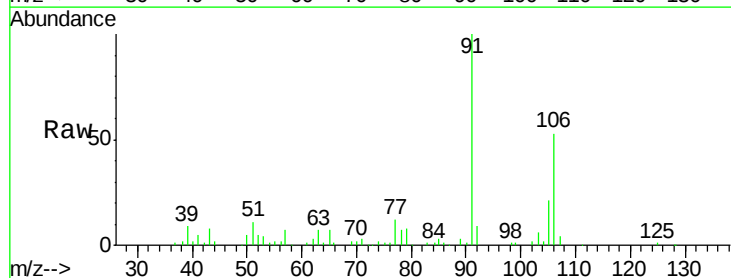
Instrument :
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SU-03-011520

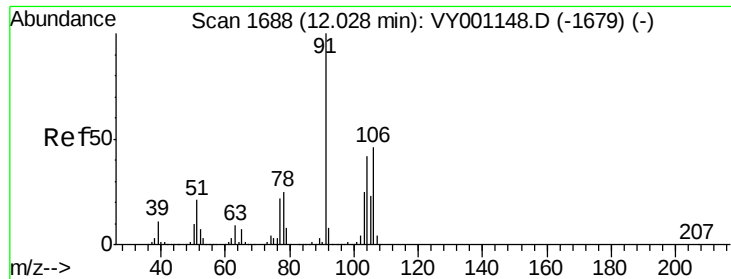
Tot Ion: 91 Resp: 22404
Ion Ratio Lower Upper
91 100
106 29.7 25.3 37.9



#68
m/p-Xylenes
Concen: 5.839 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Tgt Ion: 106 Resp: 21402
Ion Ratio Lower Upper
106 100
91 198.5 161.4 242.2

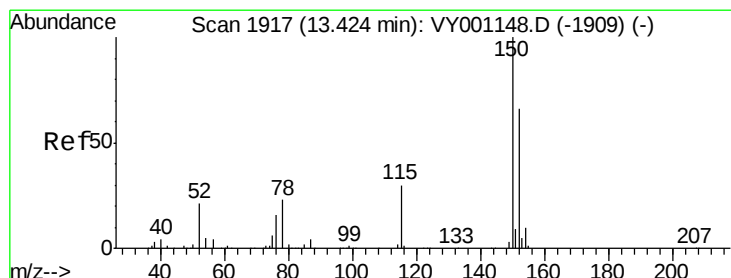
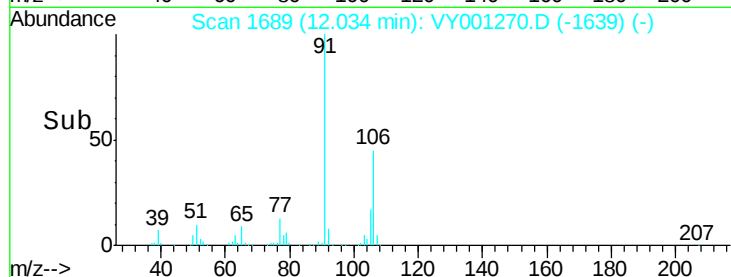
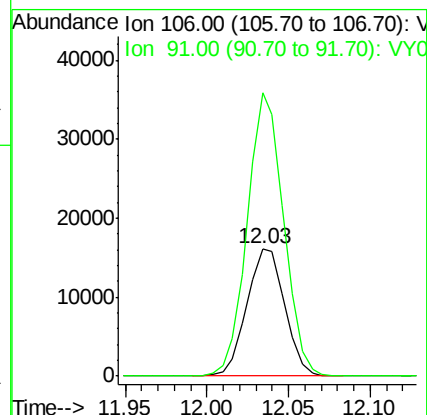
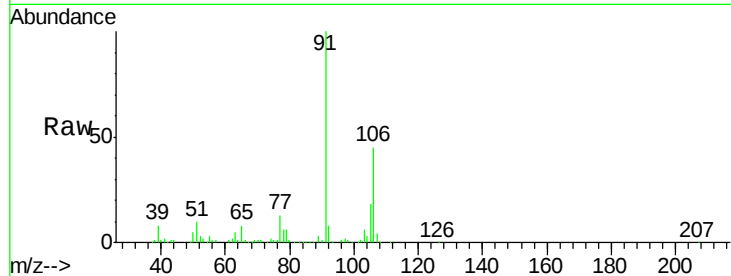




#69
o-Xylene
Concen: 7.420 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

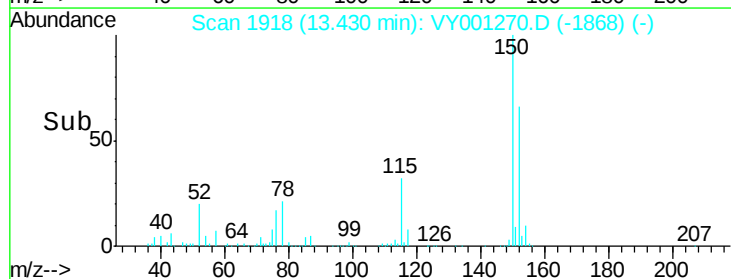
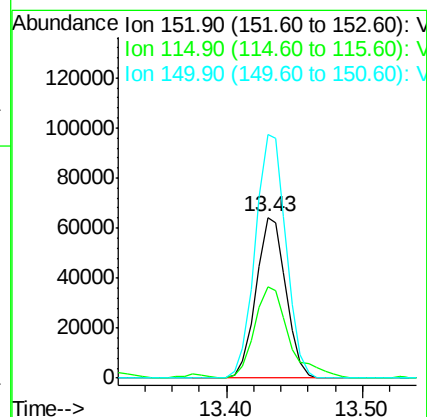
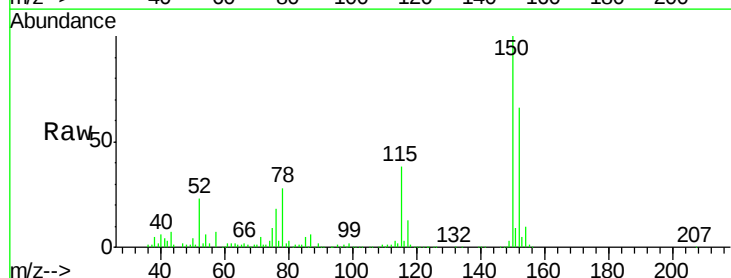
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-011520

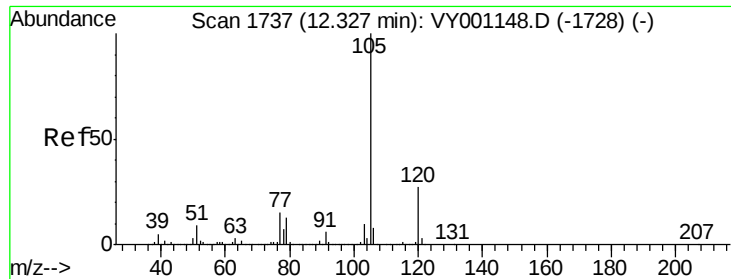
Tot Ion:106 Resp: 26073
Ion Ratio Lower Upper
106 100
91 213.6 106.3 318.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Tgt Ion:152 Resp: 98905
Ion Ratio Lower Upper
152 100
115 66.0 30.9 92.5
150 156.1 0.0 346.8





#73

Isopropylbenzene

Concen: 1.621 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY001270.D

Acq: 17 Jan 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

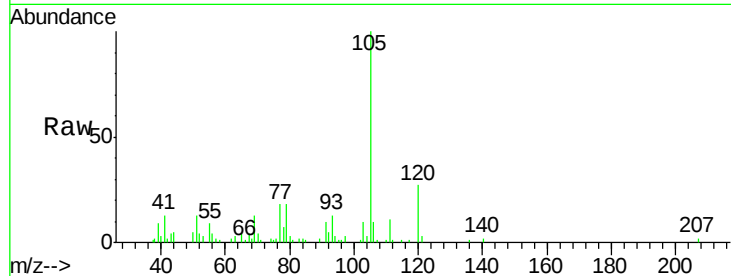
SU-03-011520

Tot Ion:105 Resp: 12054

Ion Ratio Lower Upper

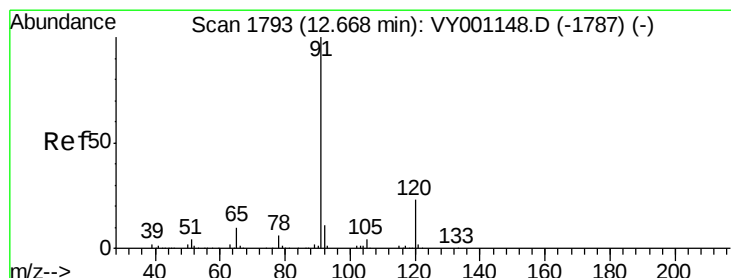
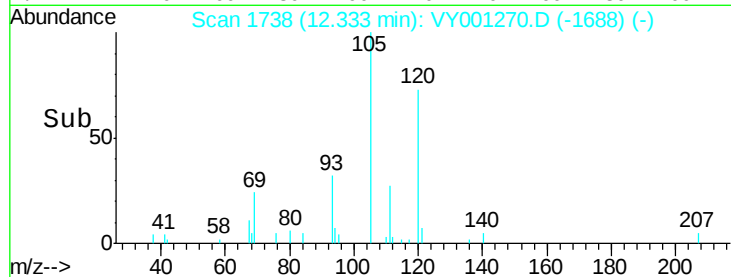
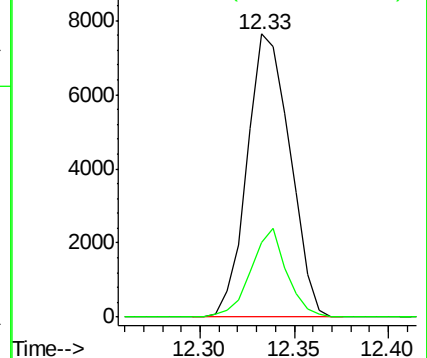
105 100

120 26.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 4.247 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001270.D

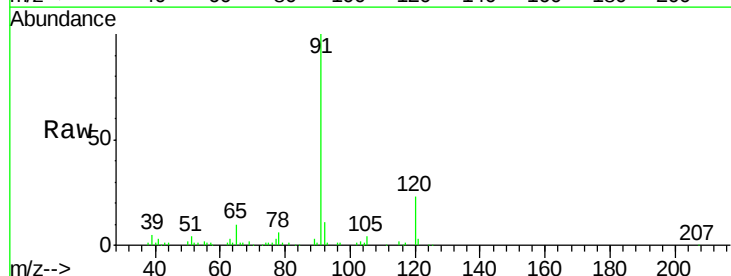
Acq: 17 Jan 2020 17:11

Tgt Ion: 91 Resp: 37987

Ion Ratio Lower Upper

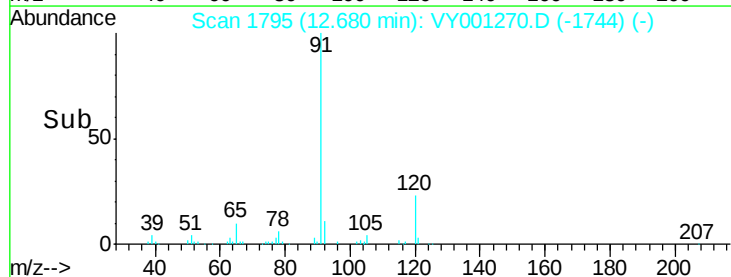
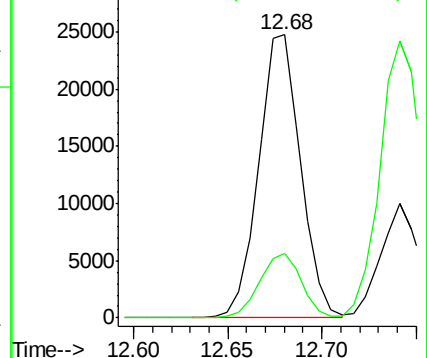
91 100

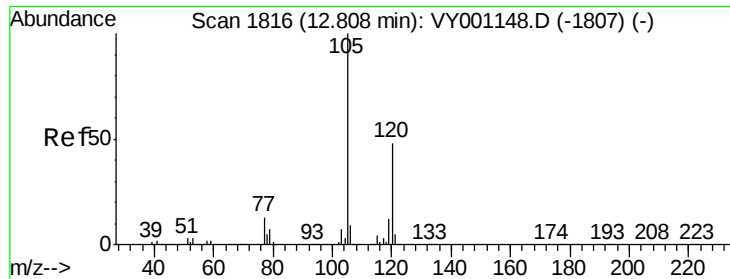
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

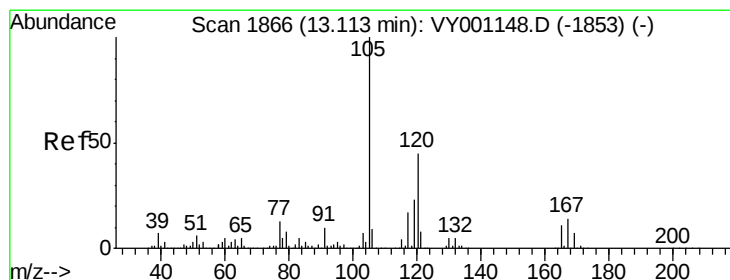
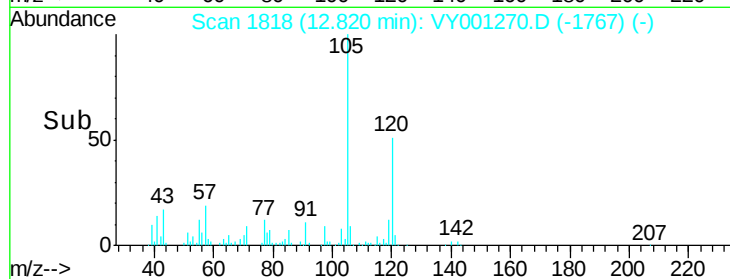
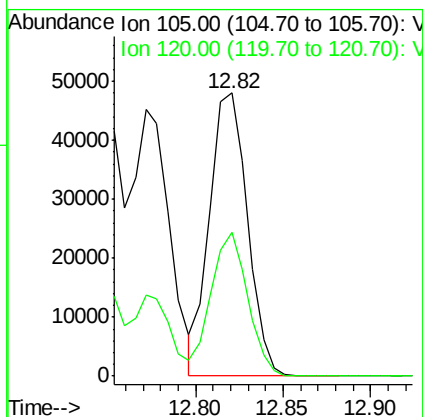
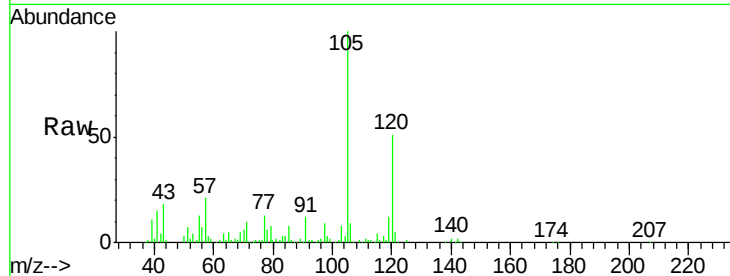




#80
 1,3,5-Trimethylbenzene
 Concen: 11.696 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: VY001270.D
 Acq: 17 Jan 2020 17:11

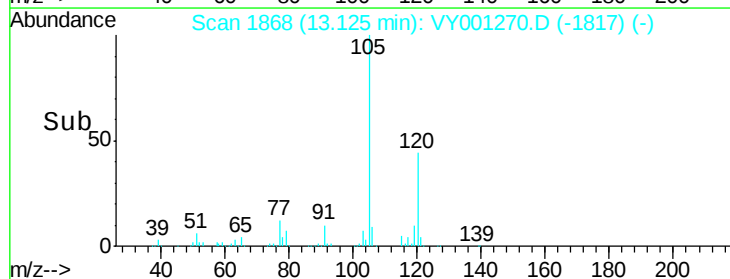
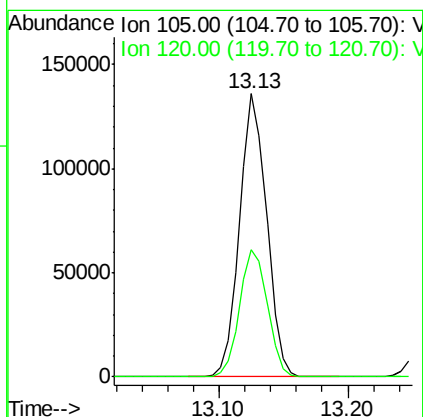
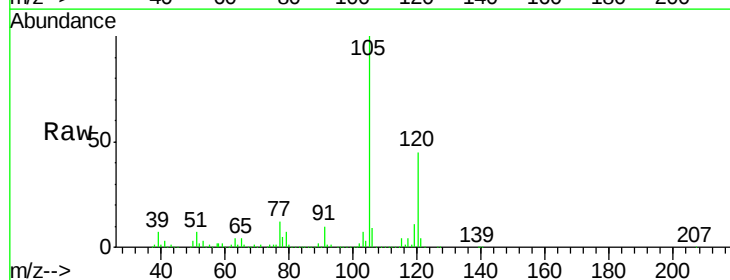
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-011520

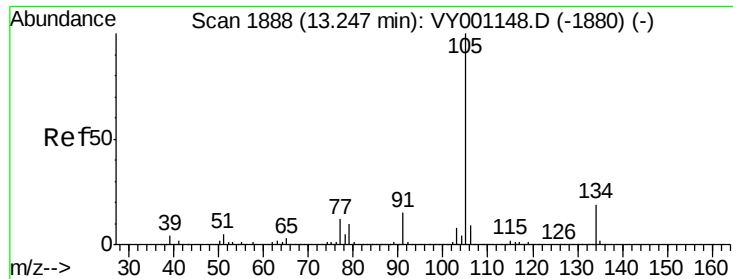
Tot Ion:105 Resp: 72561
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.2 72.6



#84
 1,2,4-Trimethylbenzene
 Concen: 32.097 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VY001270.D
 Acq: 17 Jan 2020 17:11

Tgt Ion:105 Resp: 197744
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.8 68.3





#85

sec-Butylbenzene

Concen: 3.921 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY001270.D

Acq: 17 Jan 2020 17:11

Instrument :

MSVOA_Y

ClientSampled :

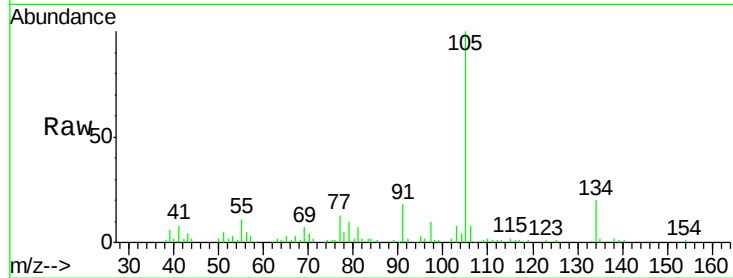
SU-03-011520

Tot Ion:105 Resp: 29402

Ion Ratio Lower Upper

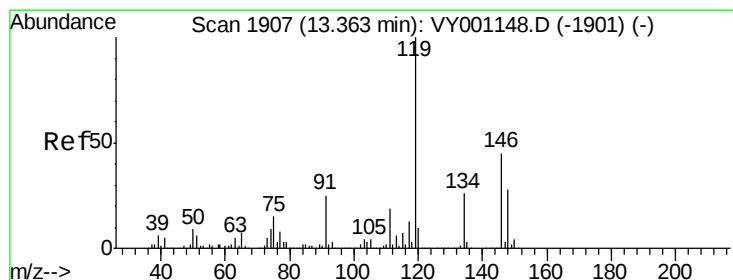
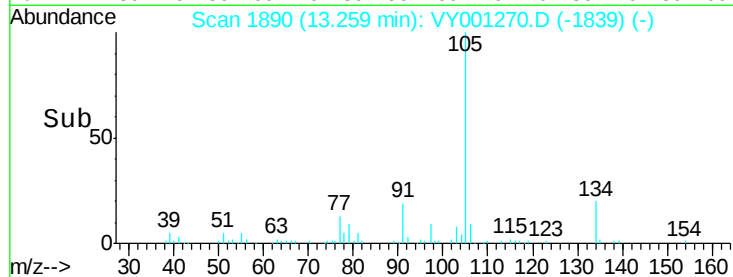
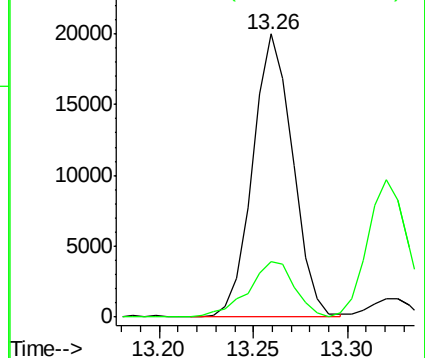
105 100

134 22.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.778 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY001270.D

Acq: 17 Jan 2020 17:11

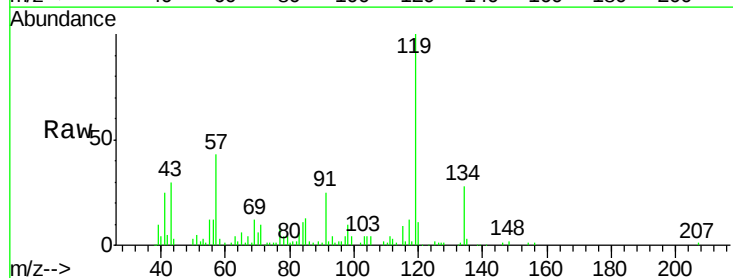
Tgt Ion:119 Resp: 24600

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

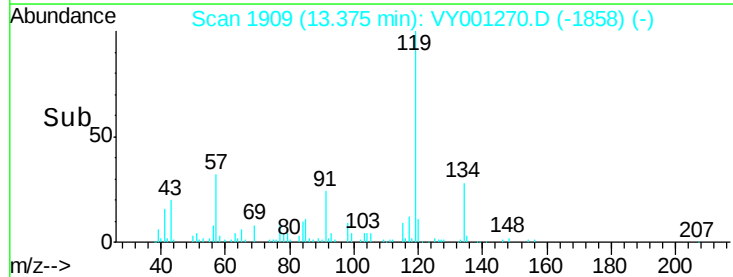
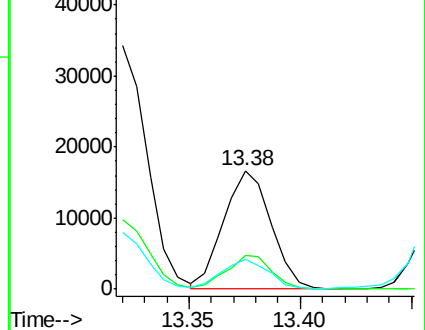
91 24.1 12.4 37.2

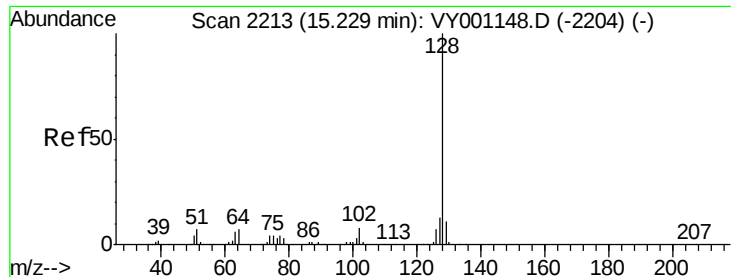


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#95
Naphthalene
Concen: 9.506 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY001270.D
Acq: 17 Jan 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-011520

Tot Ion:128 Resp: 42108
Ion Ratio Lower Upper
128 100
127 15.9 10.2 15.4#
129 13.8 8.5 12.7#

