

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001031.D
 Acq On : 23 Dec 2019 16:14
 Operator : SY/MD
 Sample : K6396-06RE
 Misc : 4.62G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(8-10)RE

Quant Time: Dec 24 05:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	130272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	234520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	195287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	73018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	67127	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.72	113	65018	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.18	98	271321	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.48	95	81038	41.07	ug/l	0.00
Spiked Amount			Recovery	=	82.14%	

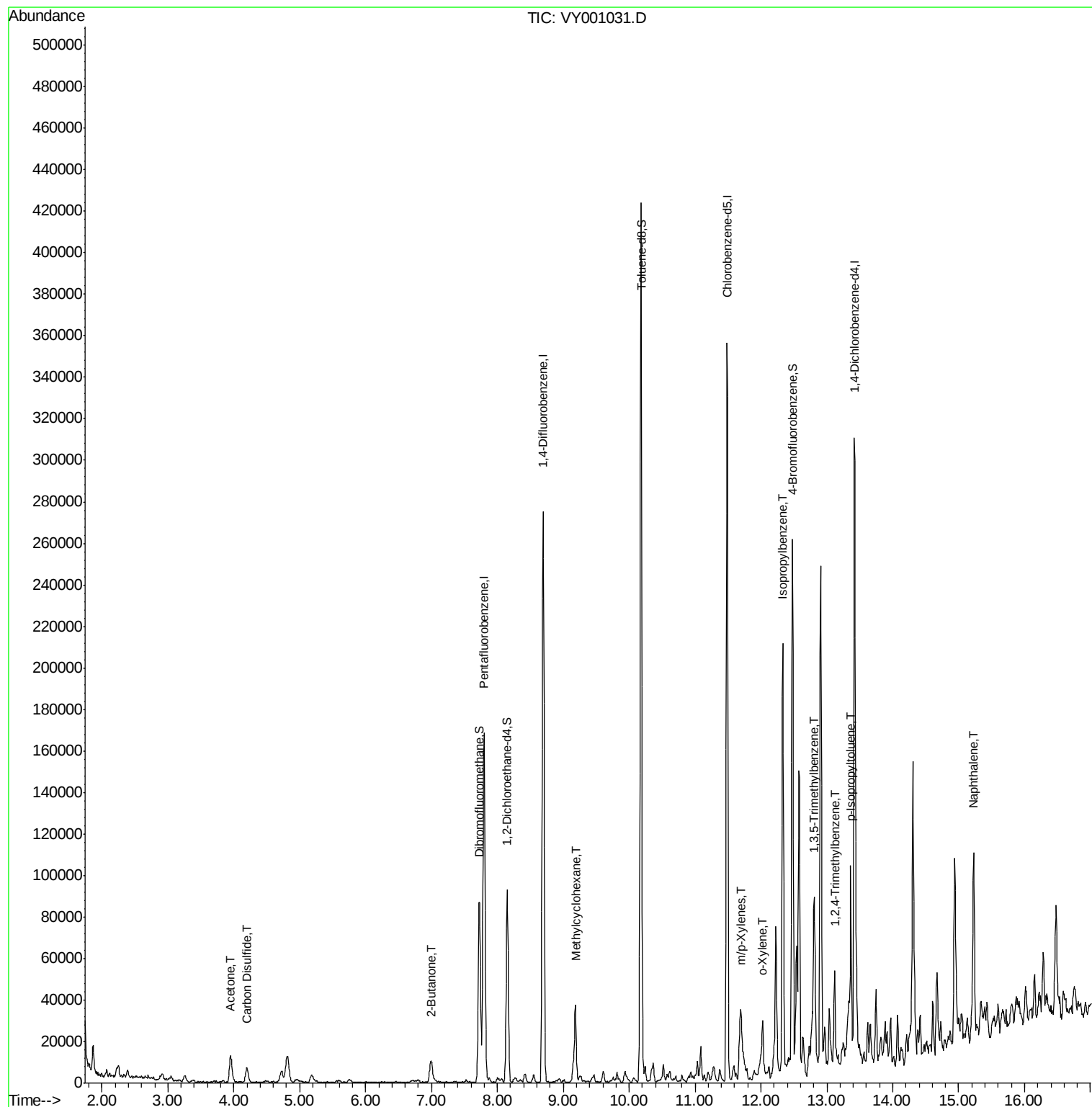
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.95	43	20451	69.093	ug/l	90
17) Carbon Disulfide	4.19	76	13065	2.732	ug/l #	95
25) 2-Butanone	7.00	43	5539	10.652	ug/l	99
39) Methylcyclohexane	9.19	83	16897	5.687	ug/l	92
68) m/p-Xylenes	11.70	106	5255	1.899	ug/l	76
69) o-Xylene	12.02	106	7371	2.832	ug/l	90
73) Isopropylbenzene	12.33	105	13126	2.323	ug/l	76
80) 1,3,5-Trimethylbenzene	12.81	105	20150	4.350	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	24323	5.226	ug/l	98
86) p-Isopropyltoluene	13.36	119	49601	10.001	ug/l	95
95) Naphthalene	15.23	128	66138	18.506	ug/l	99

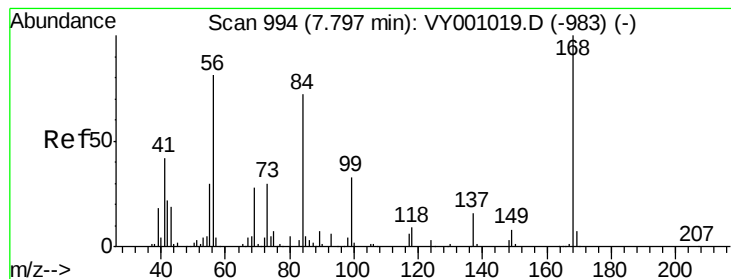
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

Instrument :

MSVOA_Y

ClientSampleId :

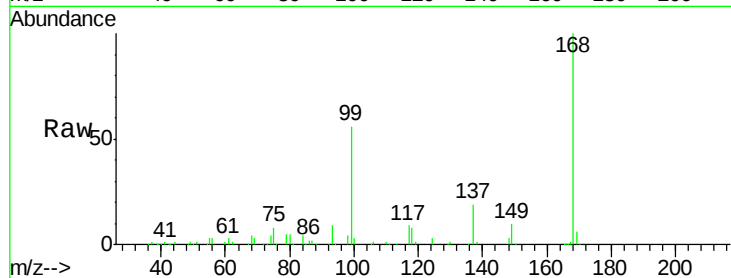
SB-2-(8-10)RE

Tot Ion:168 Resp: 130272

Ion Ratio Lower Upper

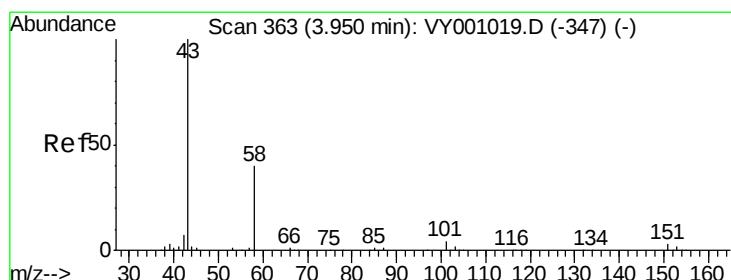
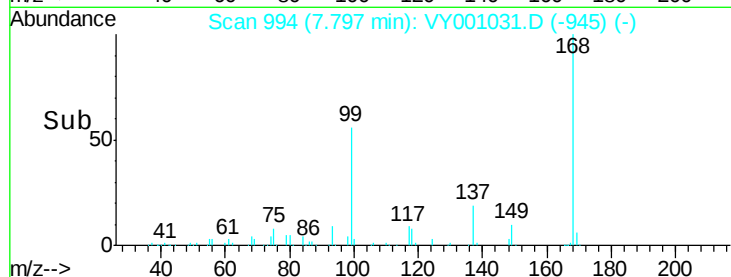
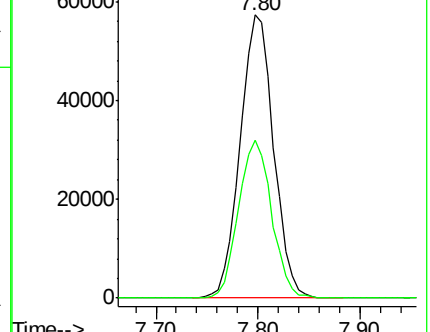
168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)



#16

Acetone

Concen: 69.093 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001031.D

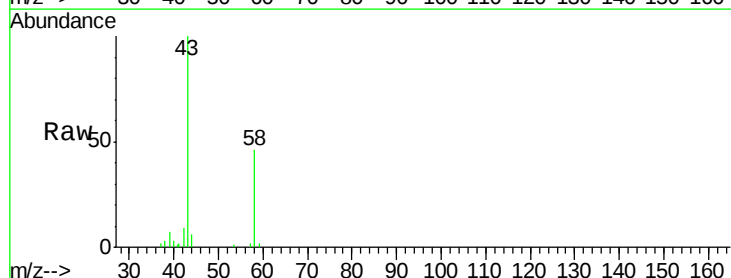
Acq: 23 Dec 2019 16:14

Tgt Ion: 43 Resp: 20451

Ion Ratio Lower Upper

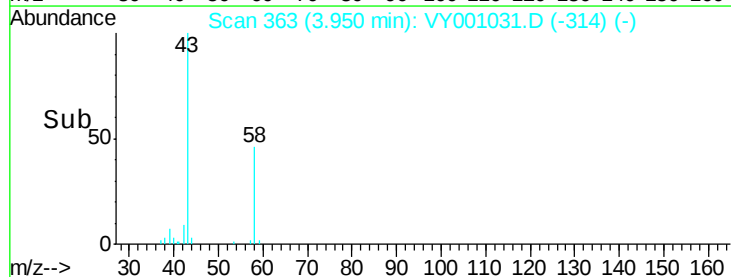
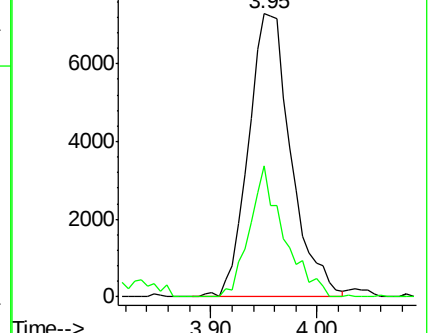
43 100

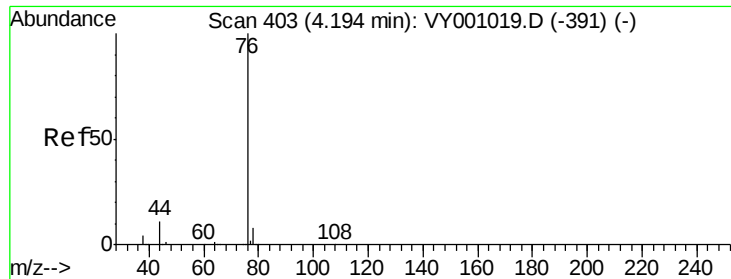
58 46.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)





#17

Carbon Disulfide

Concen: 2.732 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

Instrument :

MSVOA_Y

ClientSampleId :

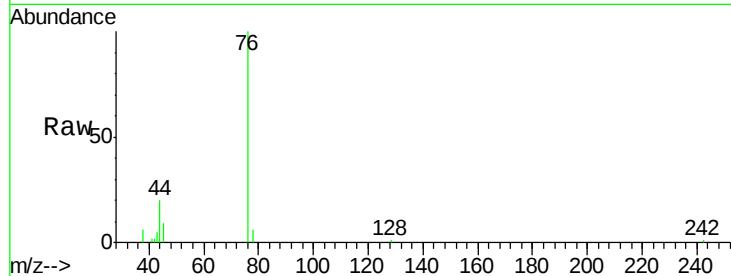
SB-2-(8-10)RE

Tot Ion: 76 Resp: 13065

Ion Ratio Lower Upper

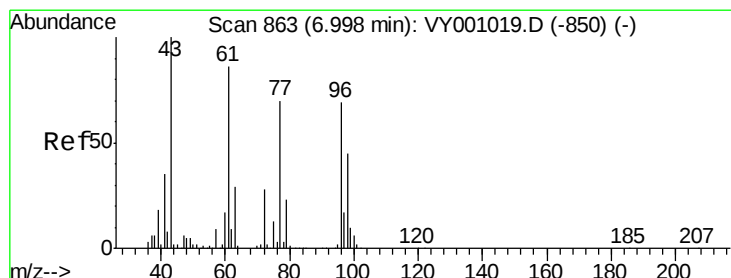
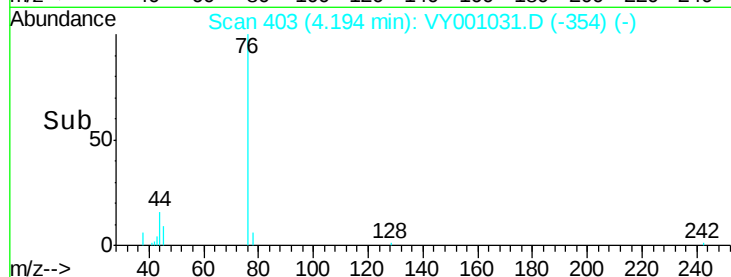
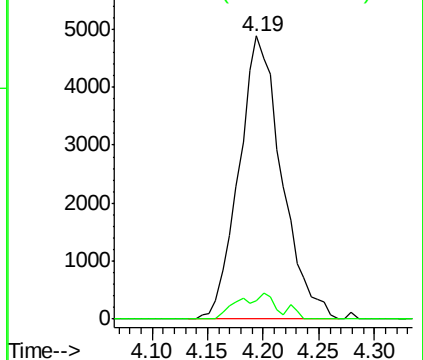
76 100

78 6.5 6.7 10.1#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 10.652 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001031.D

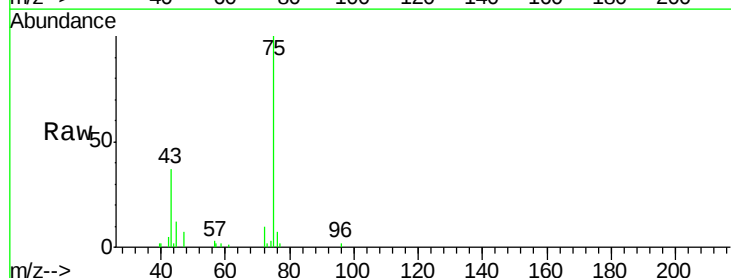
Acq: 23 Dec 2019 16:14

Tgt Ion: 43 Resp: 5539

Ion Ratio Lower Upper

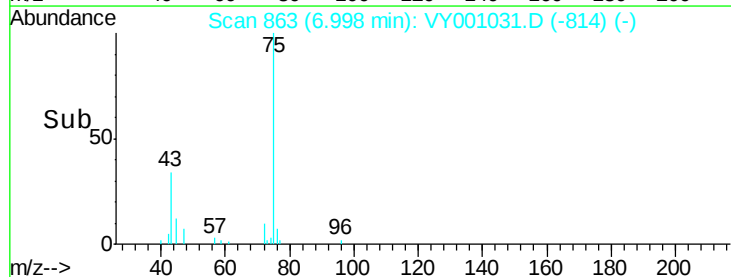
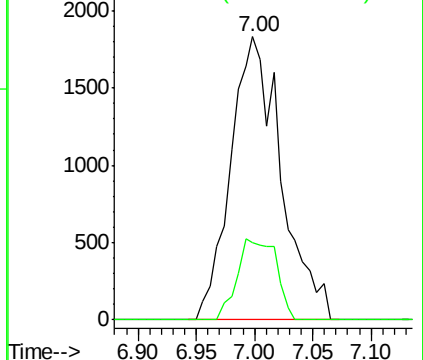
43 100

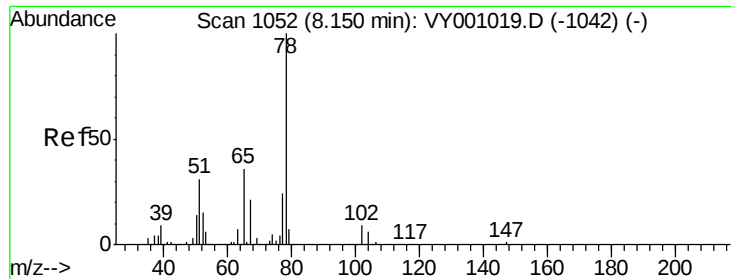
72 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

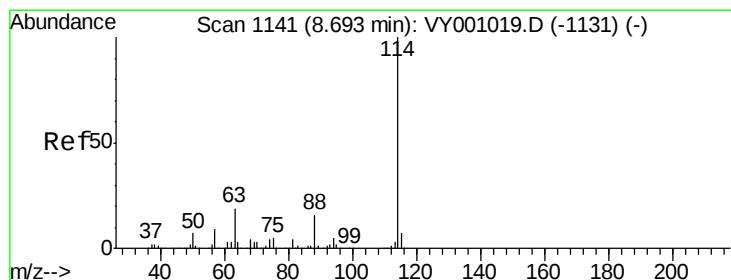
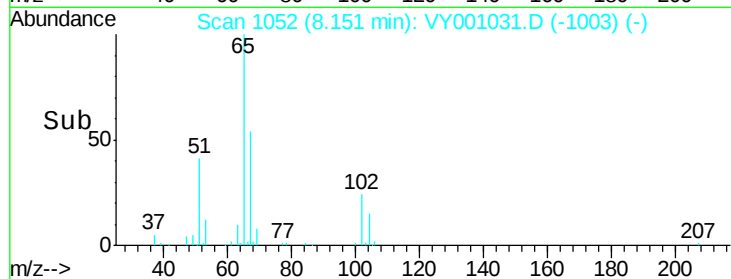
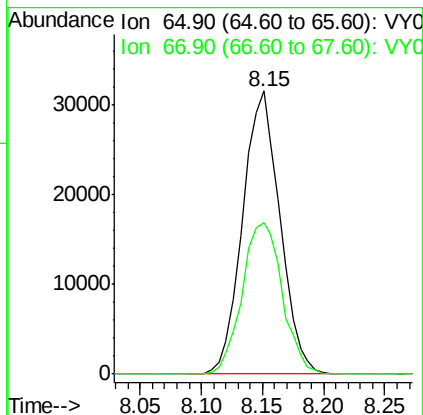
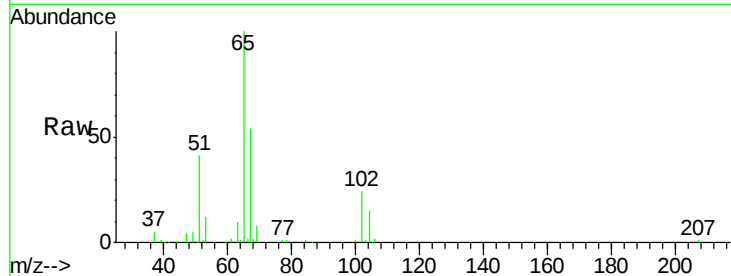




#33
 1,2-Dichloroethane-d4
 Concen: 52.245 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001031.D
 Acq: 23 Dec 2019 16:14

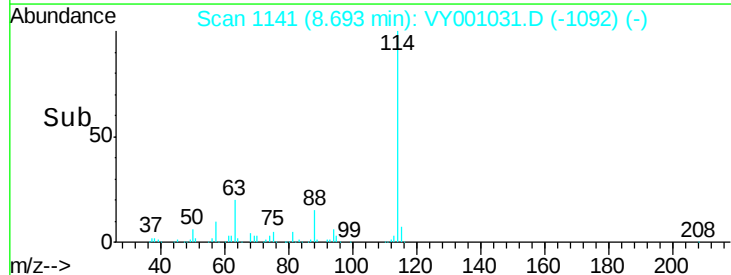
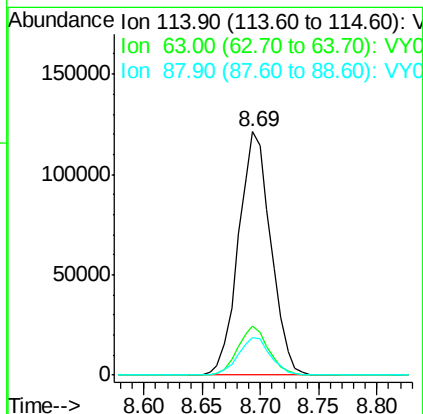
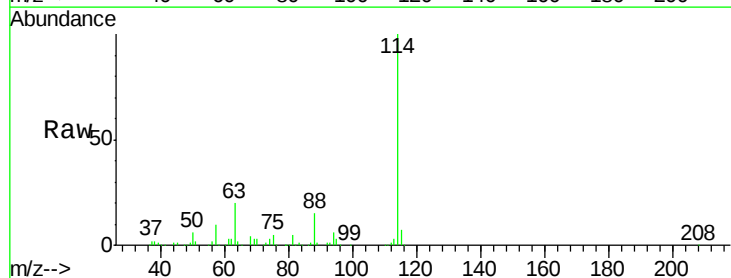
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(8-10)RE

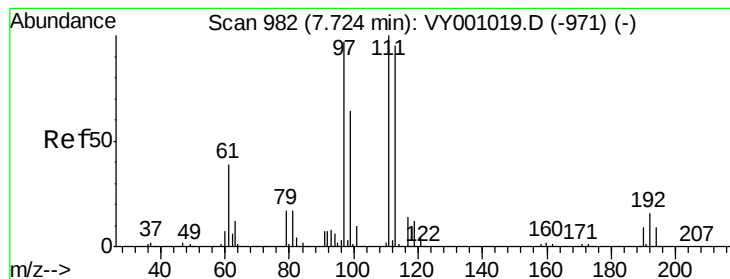
Tot Ion: 65 Resp: 67127
 Ion Ratio Lower Upper
 65 100
 67 57.5 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001031.D
 Acq: 23 Dec 2019 16:14

Tgt Ion: 114 Resp: 234520
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.081 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(8-10)RE

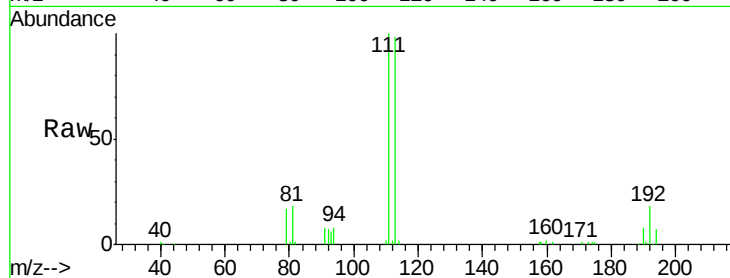
Tot Ion:113 Resp: 65018

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

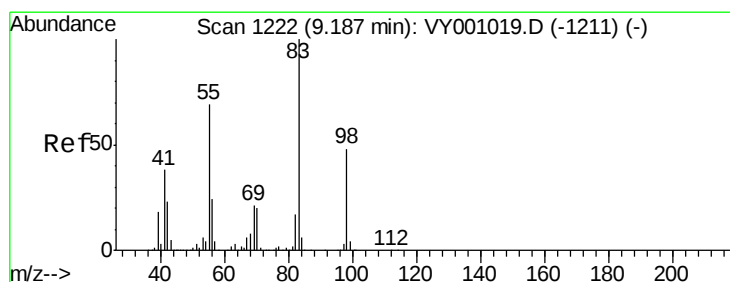
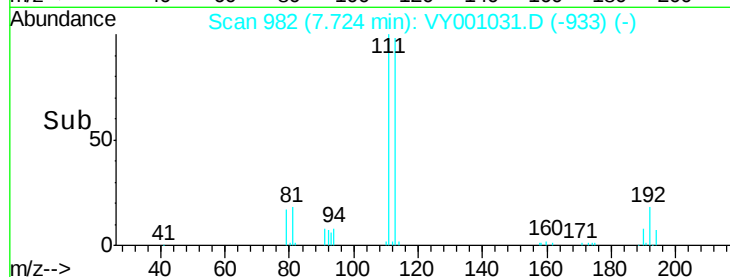
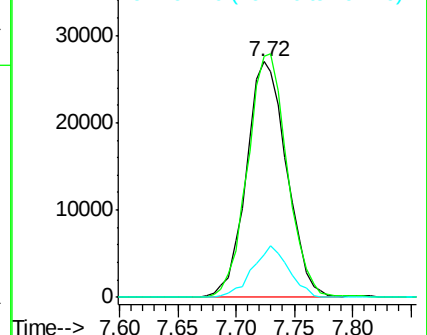
192 19.8 14.6 21.8



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



#39

Methylcyclohexane

Concen: 5.687 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

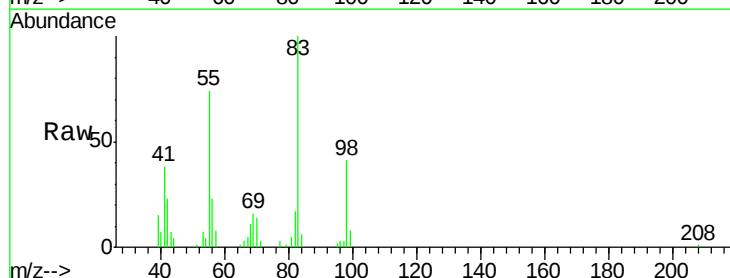
Tgt Ion: 83 Resp: 16897

Ion Ratio Lower Upper

83 100

55 74.0 55.1 82.7

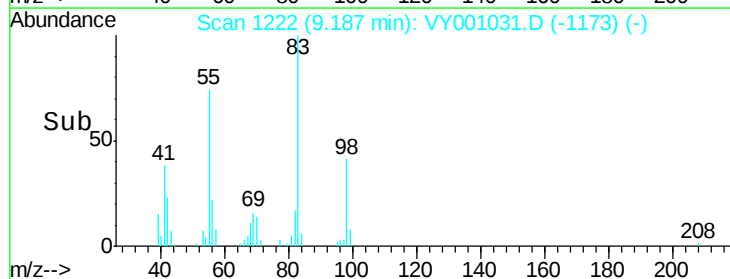
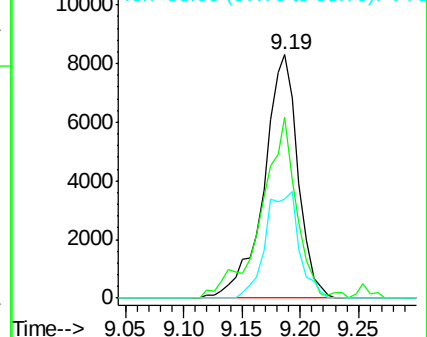
98 40.9 38.3 57.5

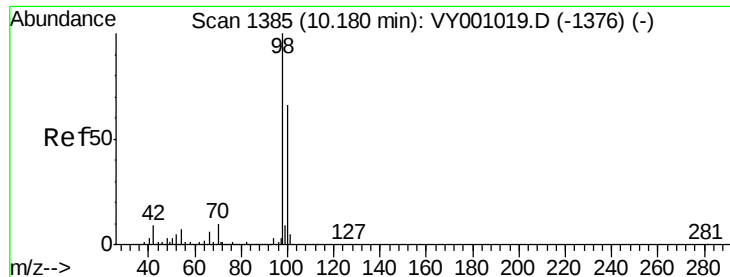


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 50.274 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

Instrument :

MSVOA_Y

ClientSampleId :

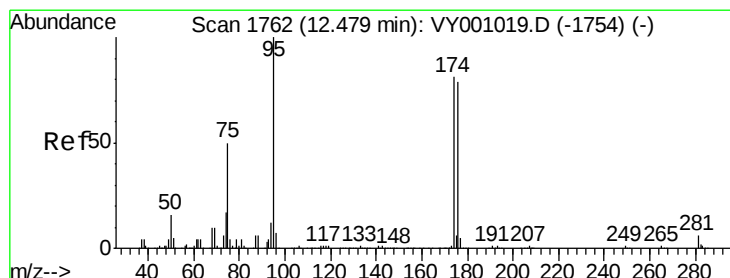
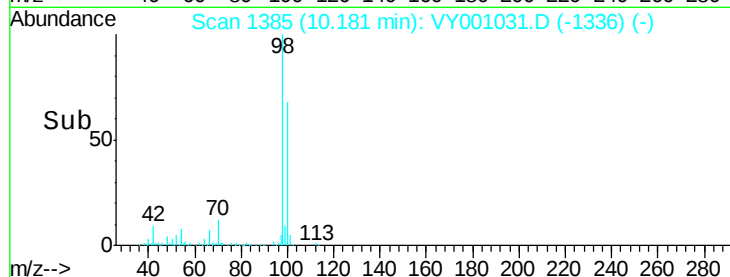
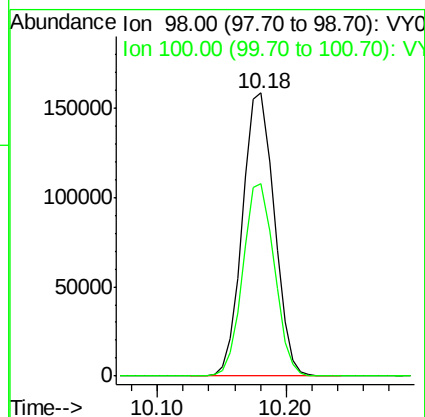
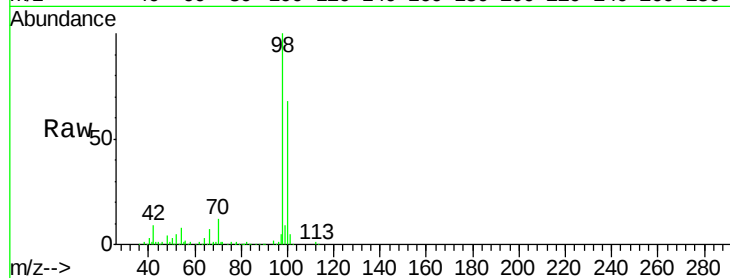
SB-2-(8-10)RE

Tot Ion: 98 Resp: 271321

Ion Ratio Lower Upper

98 100

100 66.9 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 41.070 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

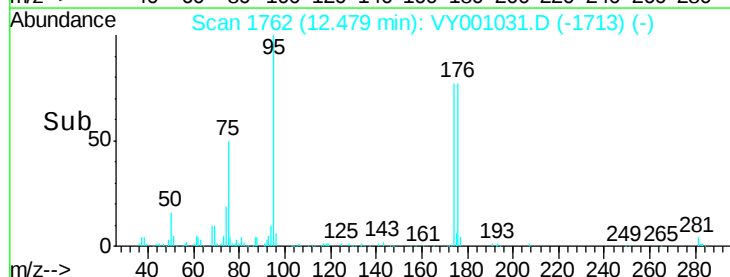
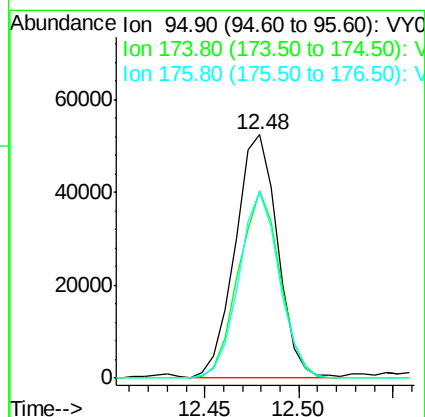
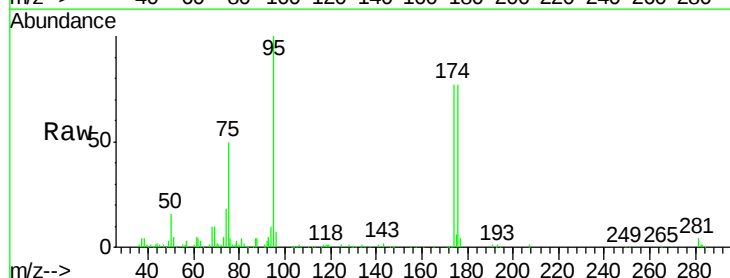
Tgt Ion: 95 Resp: 81038

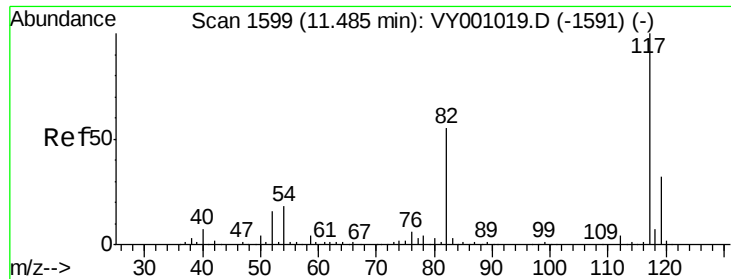
Ion Ratio Lower Upper

95 100

174 76.2 0.0 156.4

176 73.6 0.0 155.0

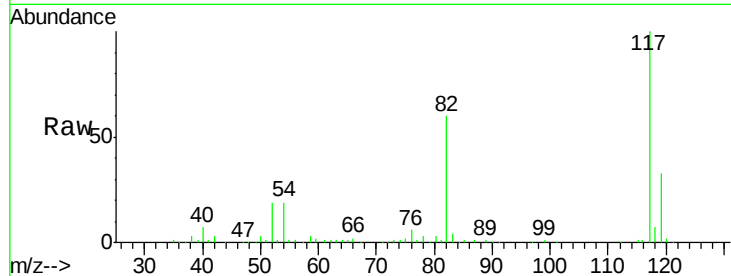




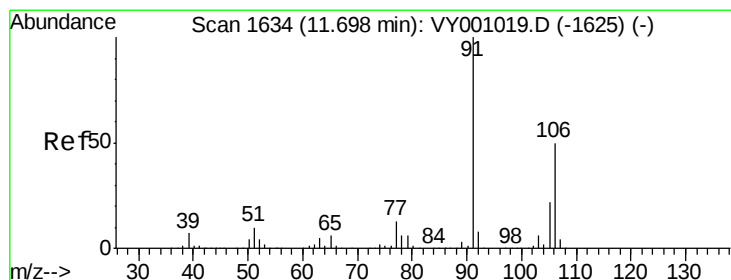
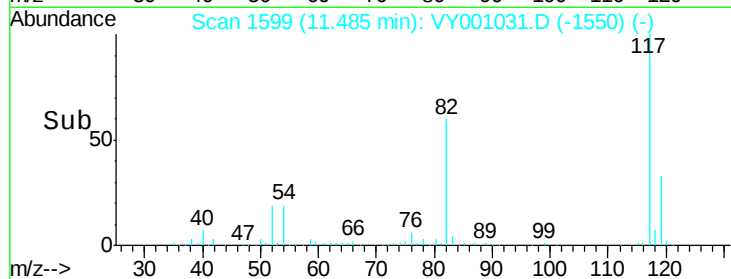
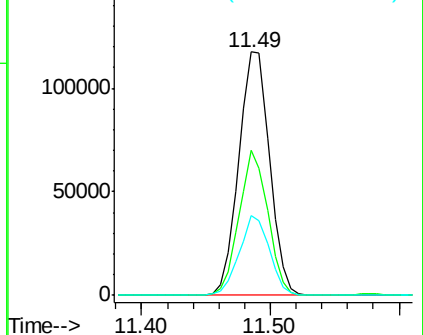
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001031.D
Acq: 23 Dec 2019 16:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(8-10)RE

Tot Ion:117 Resp: 195287
Ion Ratio Lower Upper
117 100
82 59.7 43.8 65.8
119 32.5 25.8 38.6

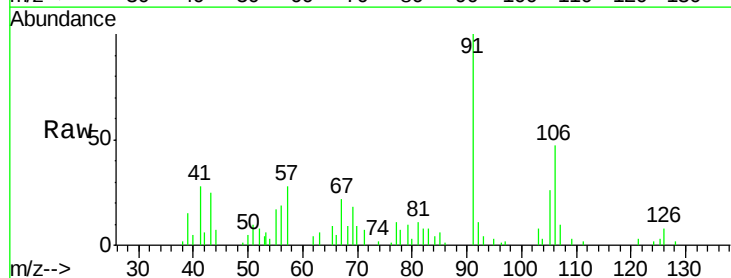


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

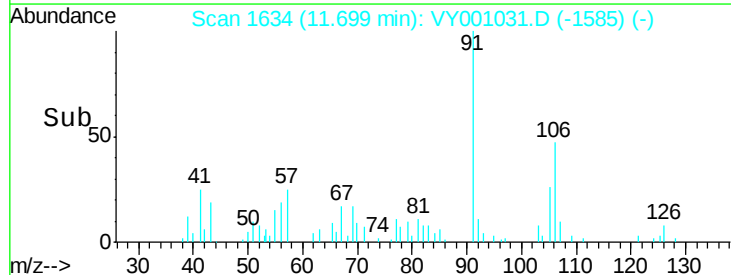
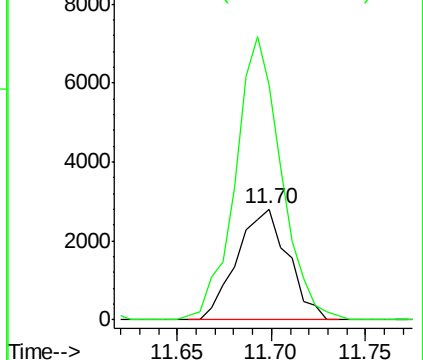


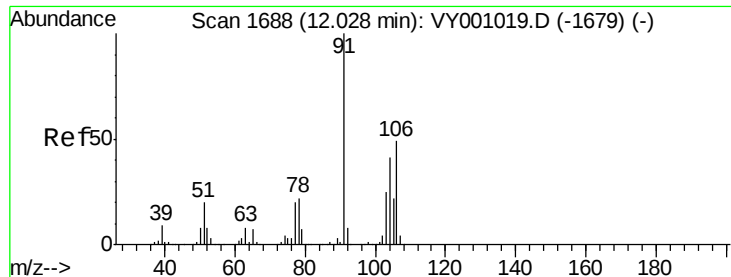
#68
m/p-Xylenes
Concen: 1.899 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001031.D
Acq: 23 Dec 2019 16:14

Tgt Ion:106 Resp: 5255
Ion Ratio Lower Upper
106 100
91 230.8 156.4 234.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

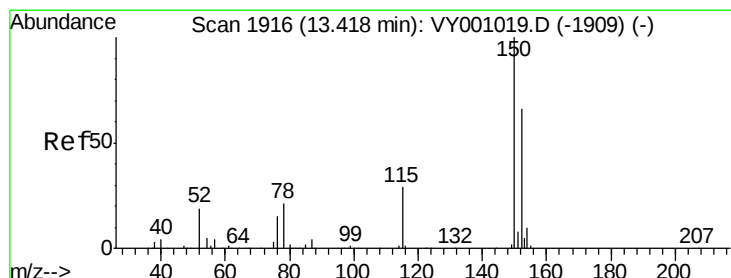
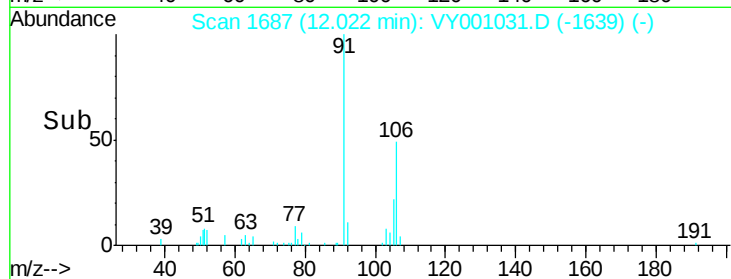
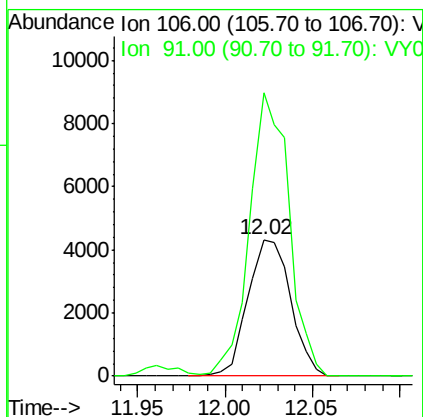
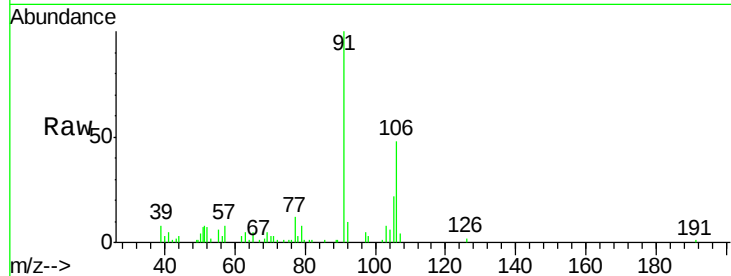




#69
o-Xylene
Concen: 2.832 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001031.D
Acq: 23 Dec 2019 16:14

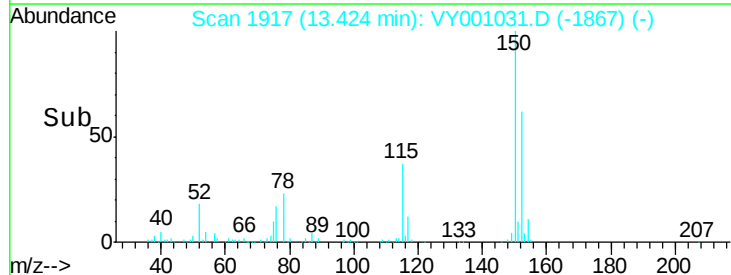
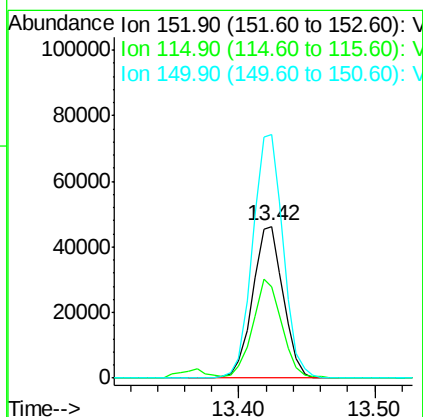
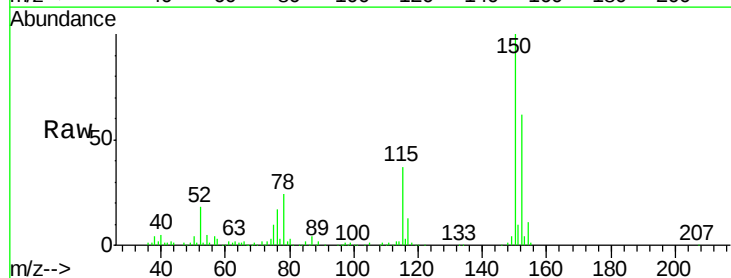
Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(8-10)RE

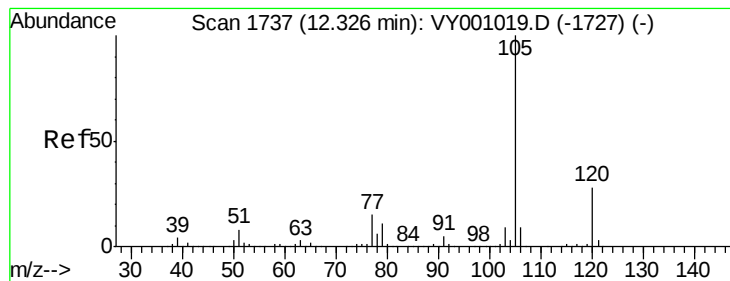
Tot Ion:106 Resp: 7371
Ion Ratio Lower Upper
106 100
91 190.9 103.0 309.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001031.D
Acq: 23 Dec 2019 16:14

Tgt Ion:152 Resp: 73018
Ion Ratio Lower Upper
152 100
115 62.6 29.8 89.3
150 159.5 0.0 352.6





#73

Isopropylbenzene

Concen: 2.323 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001031.D

Acq: 23 Dec 2019 16:14

Instrument :

MSVOA_Y

ClientSampleId :

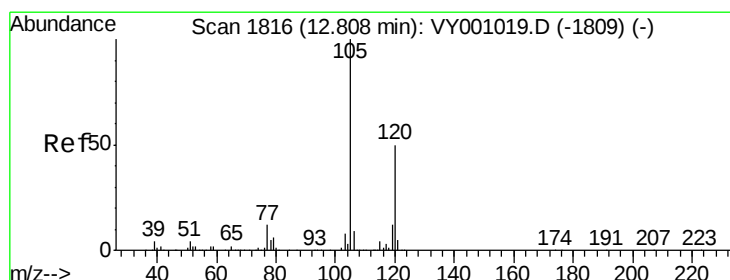
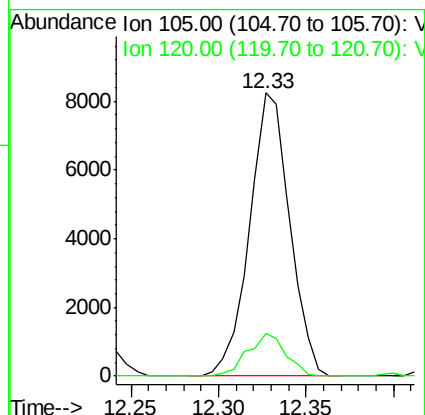
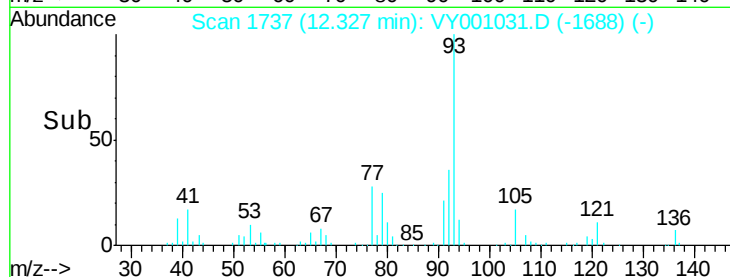
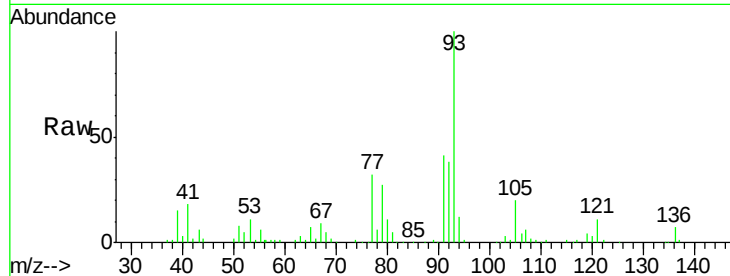
SB-2-(8-10)RE

Tot Ion:105 Resp: 13126

Ion Ratio Lower Upper

105 100

120 14.2 13.4 40.2



#80

1,3,5-Trimethylbenzene

Concen: 4.350 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001031.D

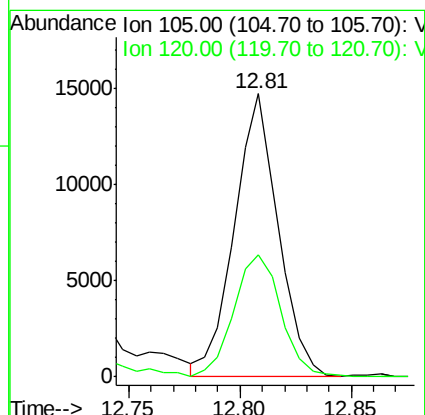
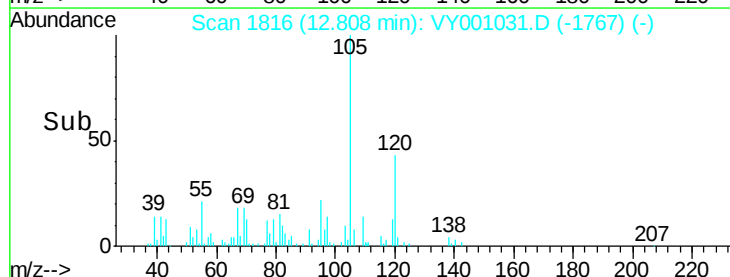
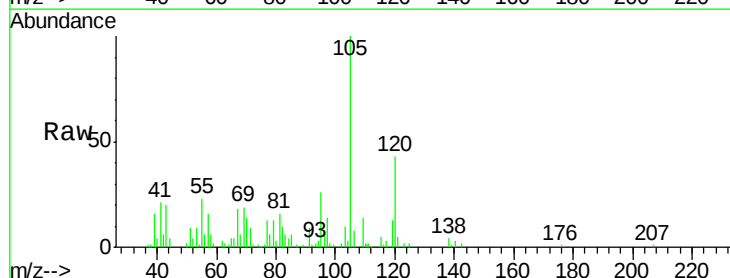
Acq: 23 Dec 2019 16:14

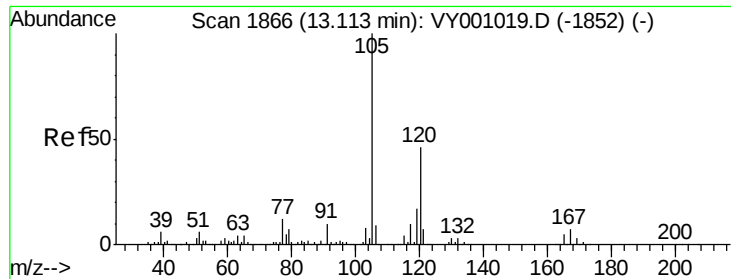
Tgt Ion:105 Resp: 20150

Ion Ratio Lower Upper

105 100

120 46.5 25.1 75.4

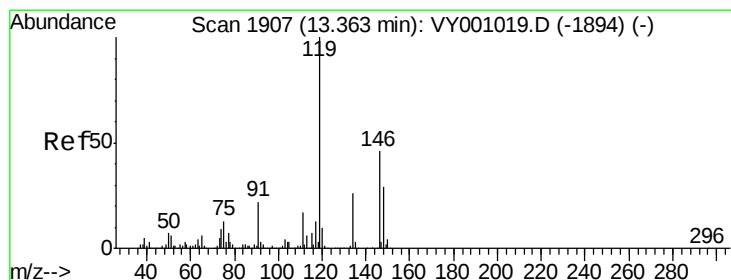
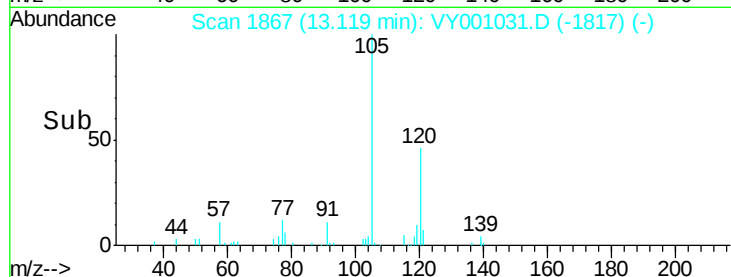
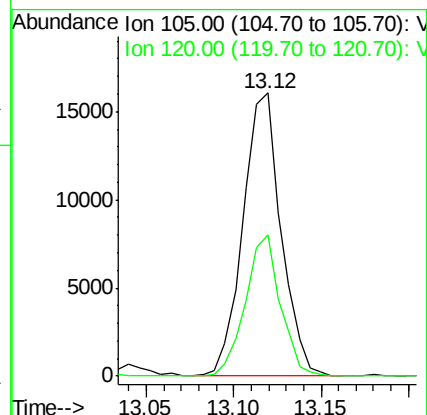
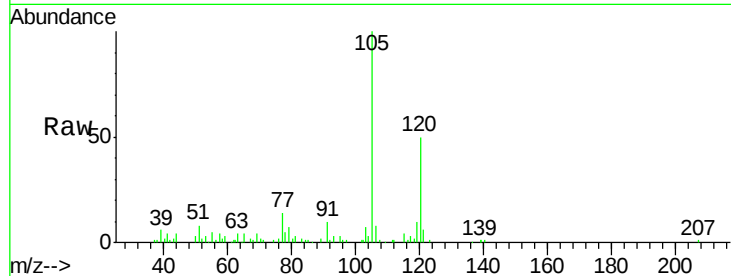




#84
 1,2,4-Trimethylbenzene
 Concen: 5.226 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001031.D
 Acq: 23 Dec 2019 16:14

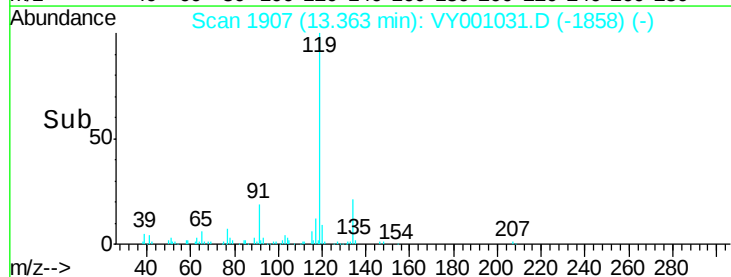
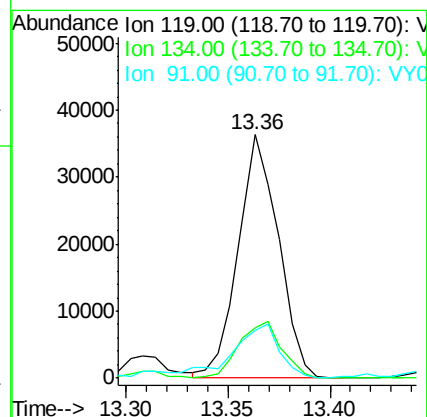
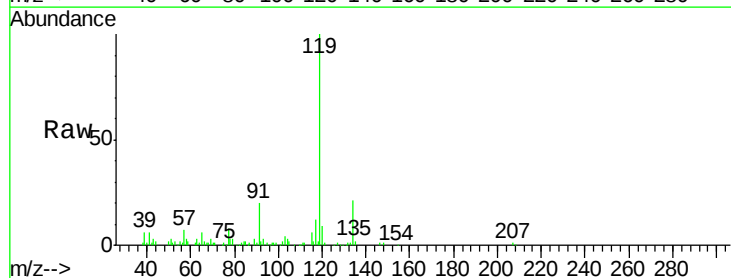
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(8-10)RE

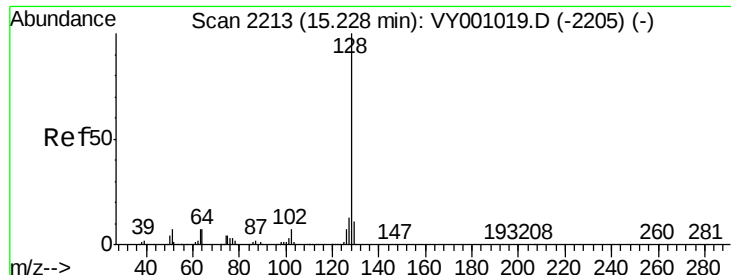
Tot Ion:105 Resp: 24323
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.2



#86
 p-Isopropyltoluene
 Concen: 10.001 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001031.D
 Acq: 23 Dec 2019 16:14

Tgt Ion:119 Resp: 49601
 Ion Ratio Lower Upper
 119 100
 134 24.9 13.6 40.7
 91 25.6 11.4 34.1





#95
Naphthalene
Concen: 18.506 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001031.D
Acq: 23 Dec 2019 16:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(8-10)RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.2	8.6	13.0

