

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120720\
 Data File : VX019751.D
 Acq On : 07 Dec 2020 14:45
 Operator : JC/MD
 Sample : L4960-05DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BES-12SRDL

Quant Time: Dec 08 06:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	345049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	565968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	503925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	205615	45.34	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.68%		
35) Dibromofluoromethane	5.46	113	168304	46.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.02%		
50) Toluene-d8	8.70	98	681441	48.80	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.60%		
62) 4-Bromofluorobenzene	11.12	95	243816	45.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.74%		

Target Compounds

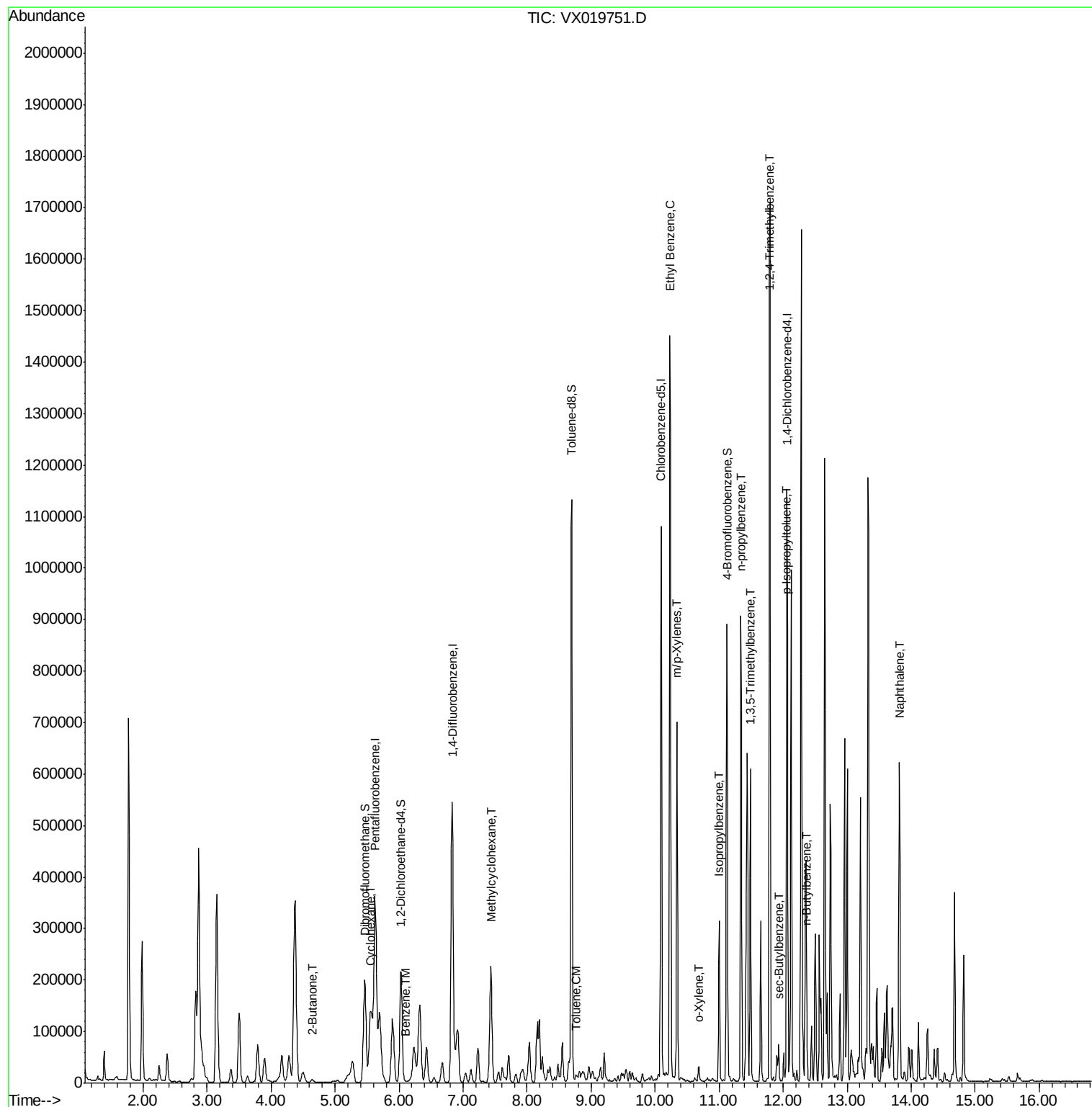
						Qvalue
25) 2-Butanone	4.64	43	1890	0.722	ug/l	96
31) Cyclohexane	5.55	56	103866	18.412	ug/l	96
39) Methylcyclohexane	7.44	83	102876	17.121	ug/l	98
40) Benzene	6.11	78	3341	0.214	ug/l	99
52) Toluene	8.76	92	3709	0.380	ug/l	98
67) Ethyl Benzene	10.23	91	823064	46.186	ug/l	99
68) m/p-Xylenes	10.34	106	155579	23.169	ug/l	99
69) o-Xylene	10.68	106	6665	1.032	ug/l	95
73) Isopropylbenzene	11.00	105	156798	9.875	ug/l	99
78) n-propylbenzene	11.34	91	537320	29.630	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	264851	19.765	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	759934	56.299	ug/l	99
85) sec-Butylbenzene	11.93	105	38847	2.589	ug/l	98
86) p-Isopropyltoluene	12.05	119	16715	1.216	ug/l	95
89) n-Butylbenzene	12.37	91	71739	5.888	ug/l #	35
95) Naphthalene	13.82	128	373887	24.370	ug/l	99

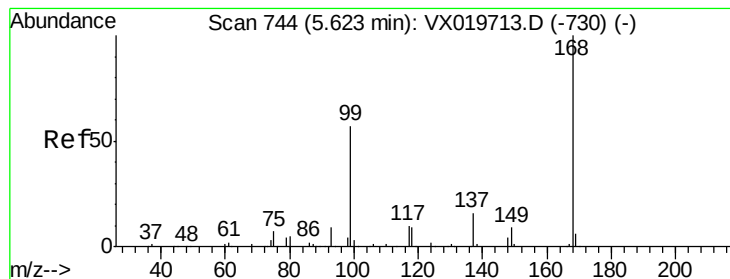
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

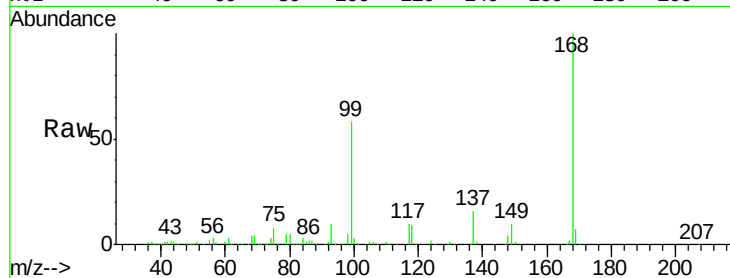
BES-12SRDL

Tot Ion:168 Resp: 345049

Ion Ratio Lower Upper

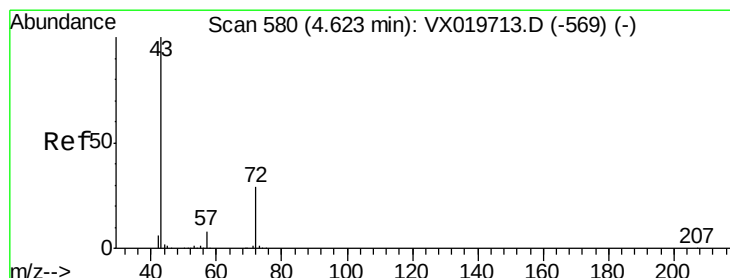
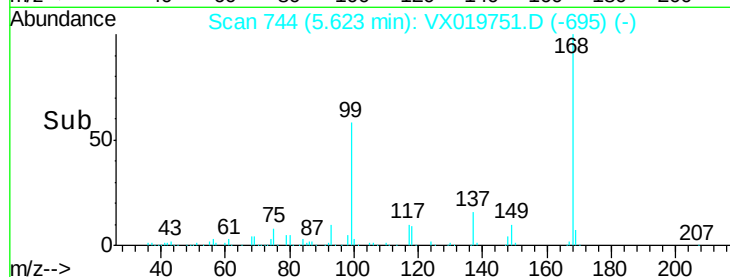
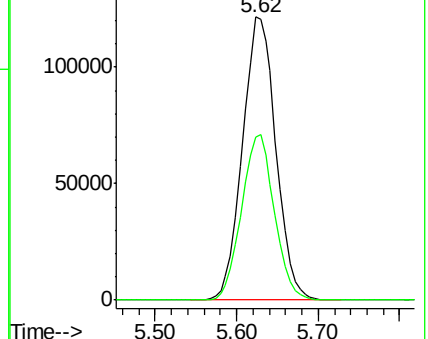
168 100

99 57.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 0.722 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX019751.D

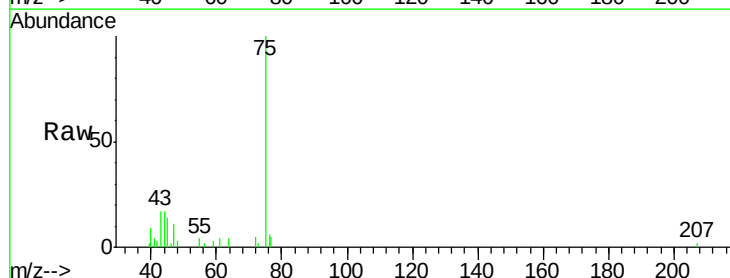
Acq: 07 Dec 2020 14:45

Tgt Ion: 43 Resp: 1890

Ion Ratio Lower Upper

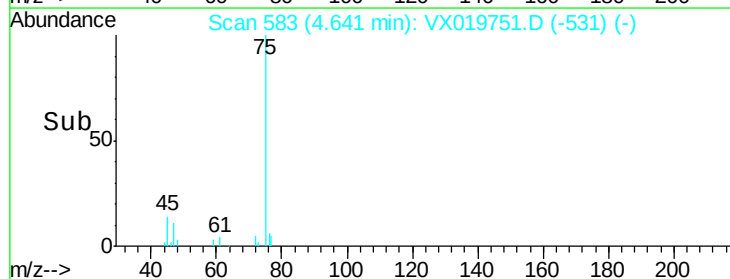
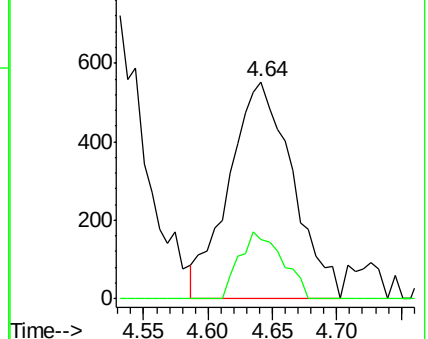
43 100

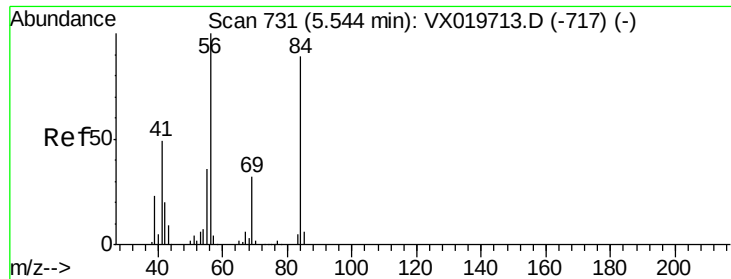
72 27.3 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

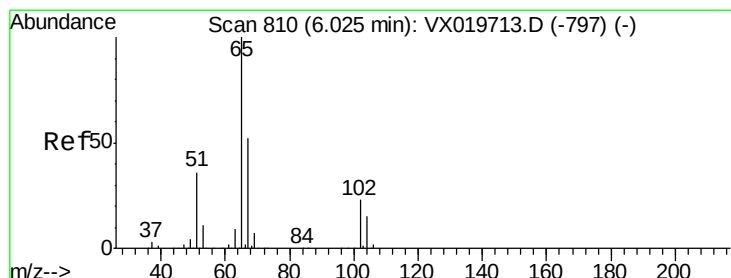
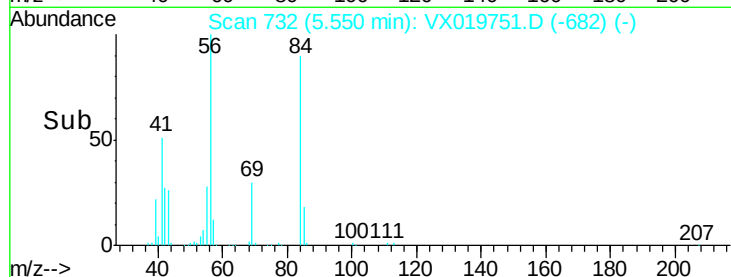
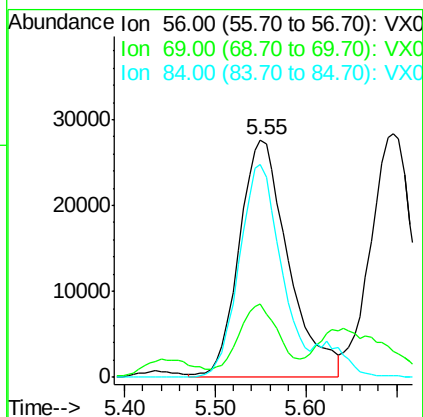
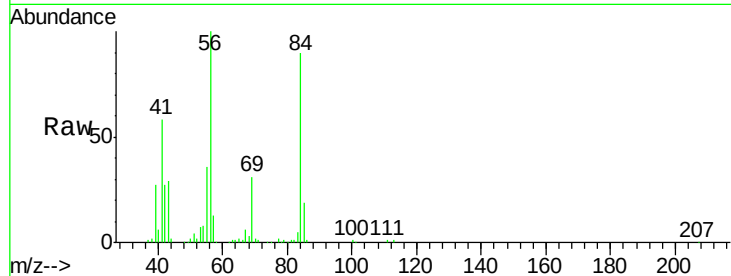




#31
Cyclohexane
Concen: 18.412 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

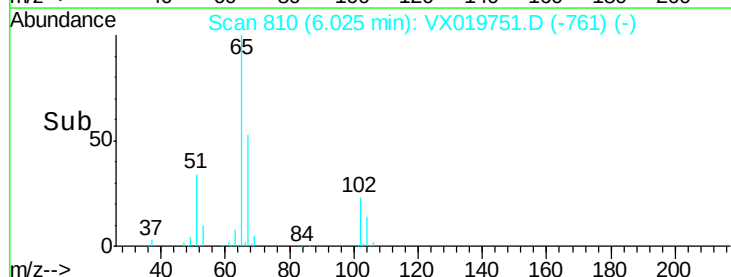
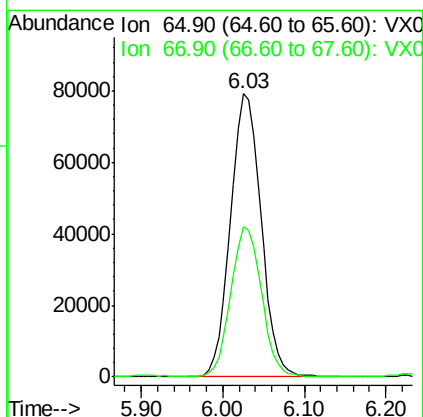
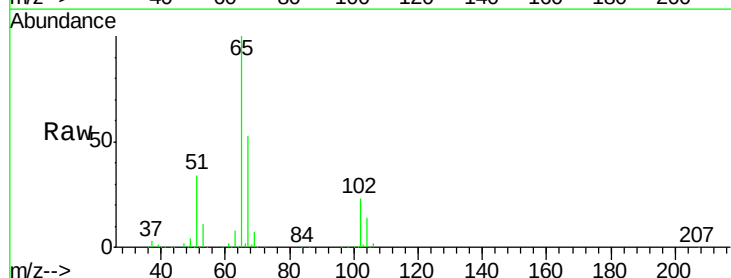
Instrument :
MSVOA_X
ClientSampleId :
BES-12SRDL

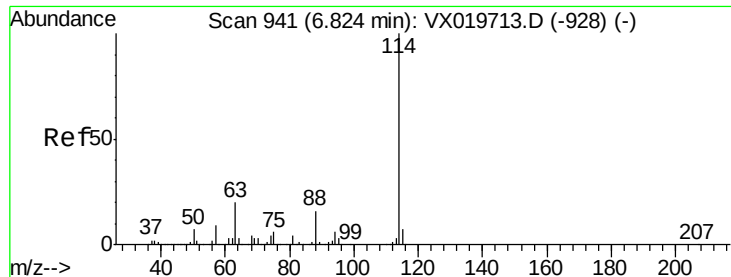
Tot Ion: 56 Resp: 103866
Ion Ratio Lower Upper
56 100
69 26.0 25.3 37.9
84 90.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 45.340 ug/l
RT: 6.03 min Scan# 810
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion: 65 Resp: 205615
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

BES-12SRDL

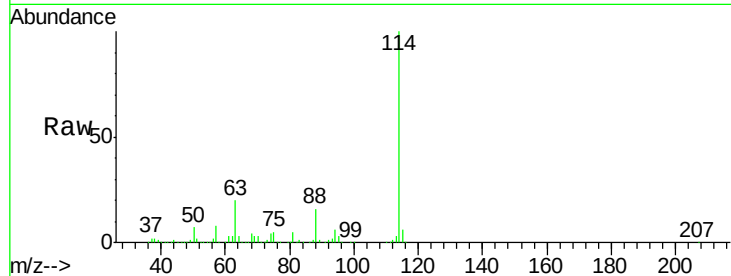
Tot Ion:114 Resp: 565968

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

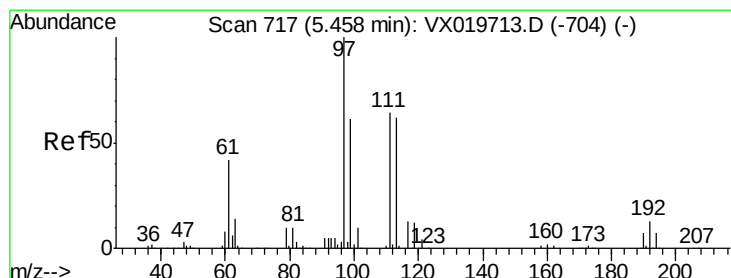
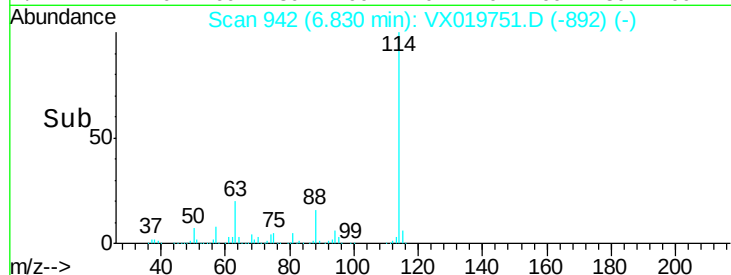
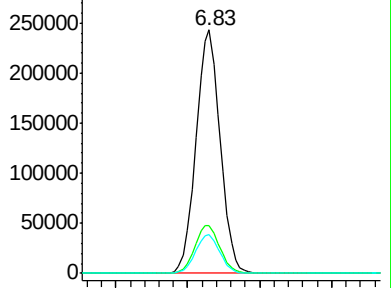
88 16.2 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.013 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

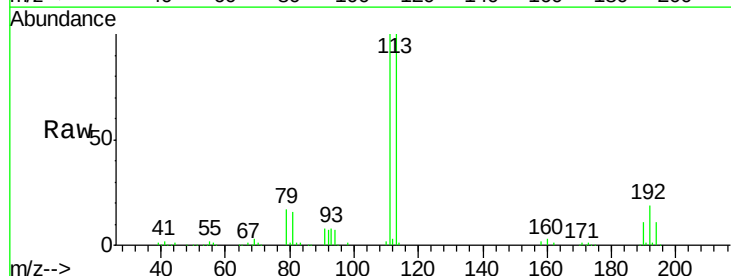
Tgt Ion:113 Resp: 168304

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

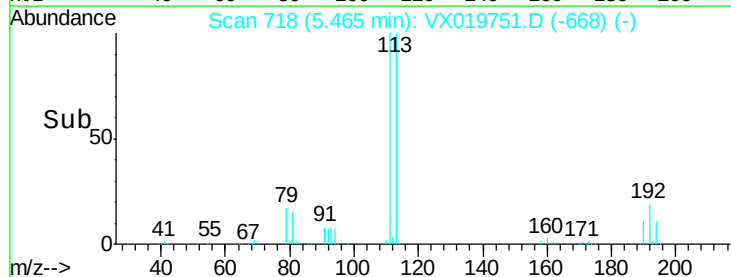
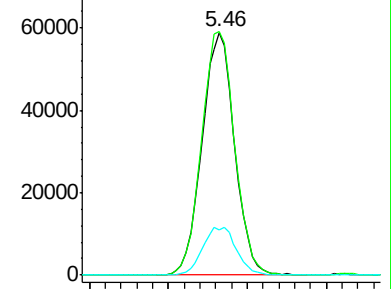
192 20.6 16.7 25.1

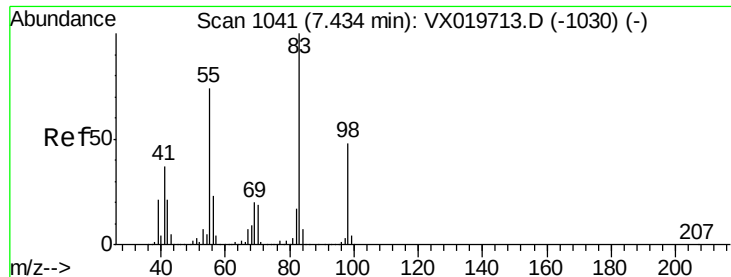


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

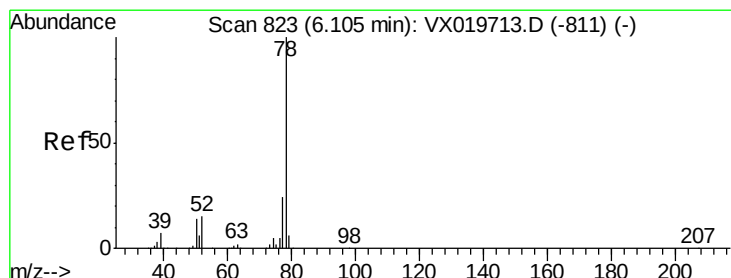
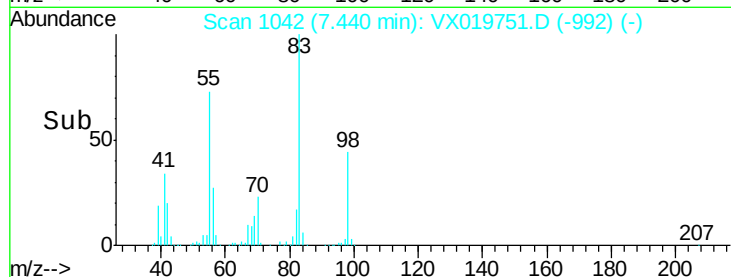
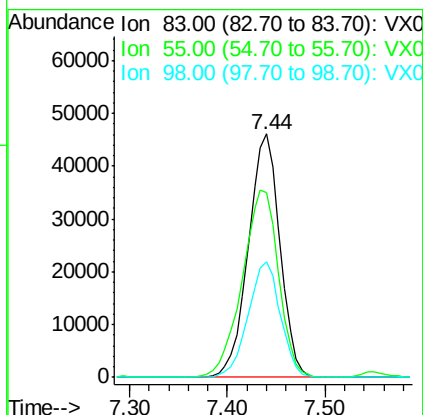
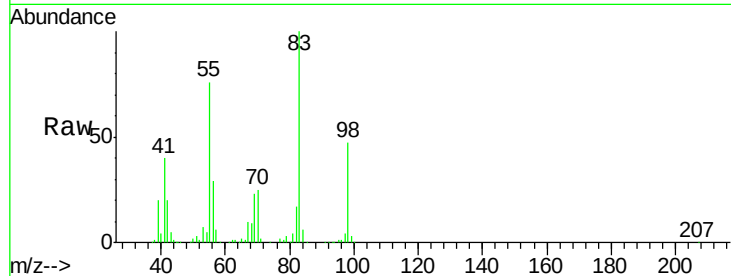




#39
Methylvlcyclohexane
Concen: 17.121 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

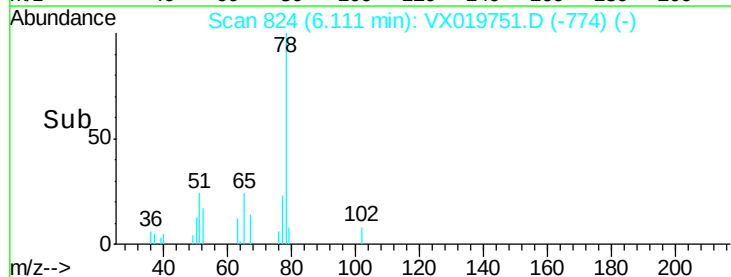
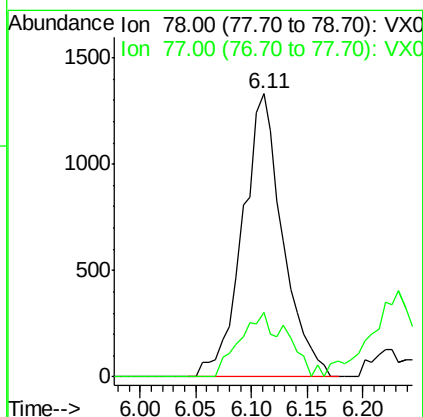
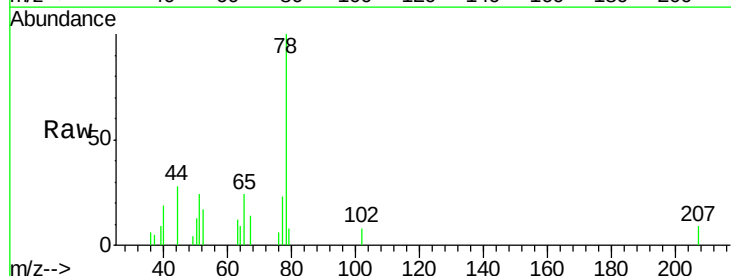
Instrument :
MSVOA_X
ClientSampleId :
BES-12SRDL

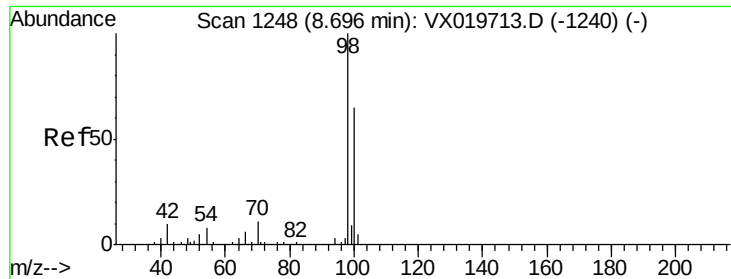
Tot Ion: 83 Resp: 102876
Ion Ratio Lower Upper
83 100
55 76.0 58.9 88.3
98 47.4 38.1 57.1



#40
Benzene
Concen: 0.214 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion: 78 Resp: 3341
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

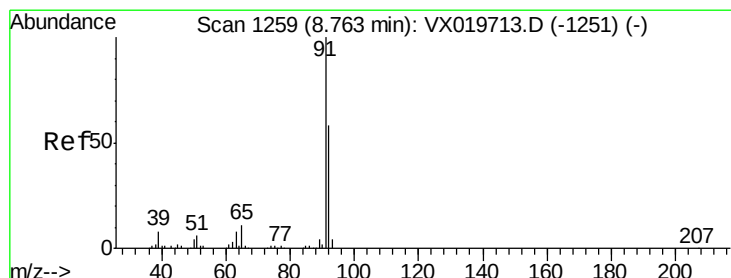
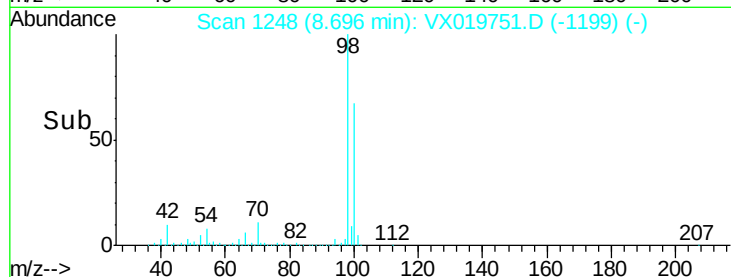
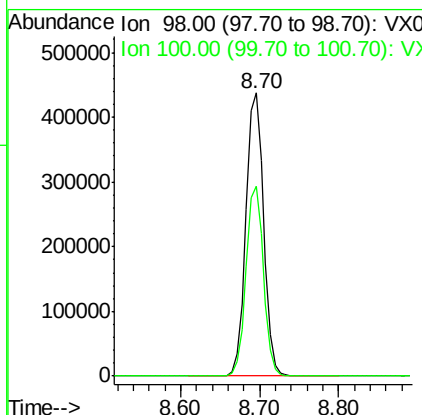
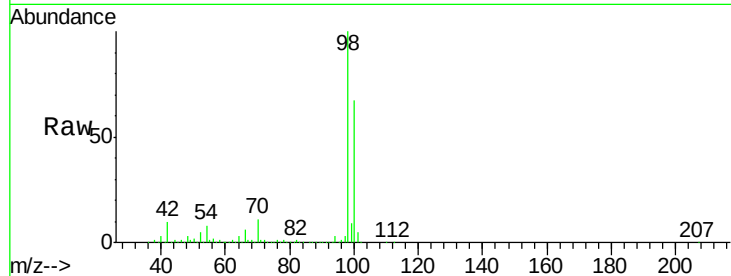




#50
Toluene-d8
Concen: 48.798 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

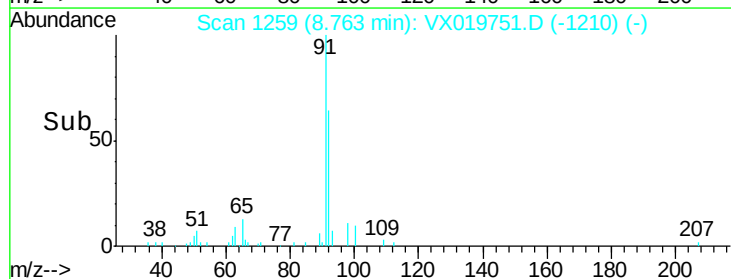
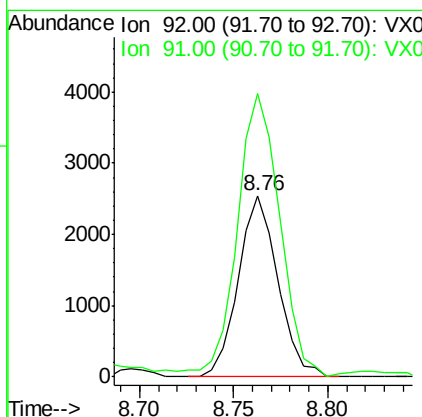
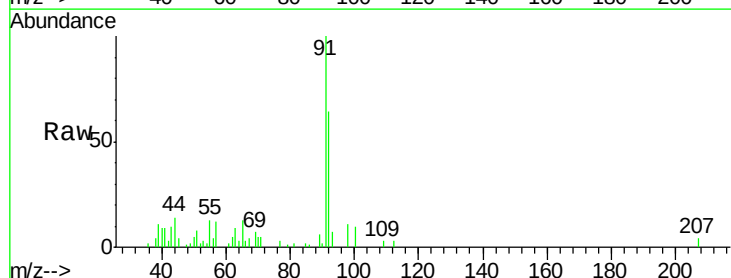
Instrument :
MSVOA_X
ClientSampleId :
BES-12SRDL

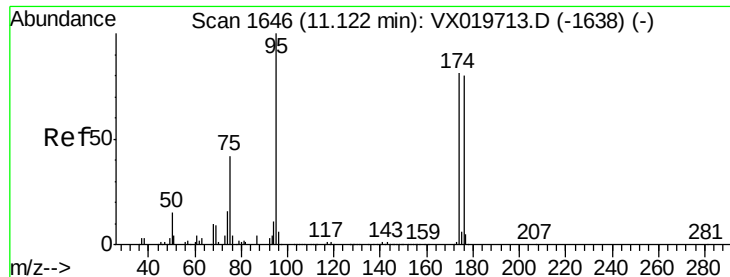
Tot Ion: 98 Resp: 681441
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#52
Toluene
Concen: 0.380 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion: 92 Resp: 3709
Ion Ratio Lower Upper
92 100
91 168.1 137.1 205.7

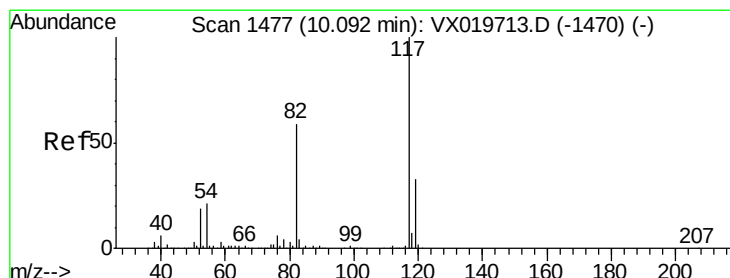
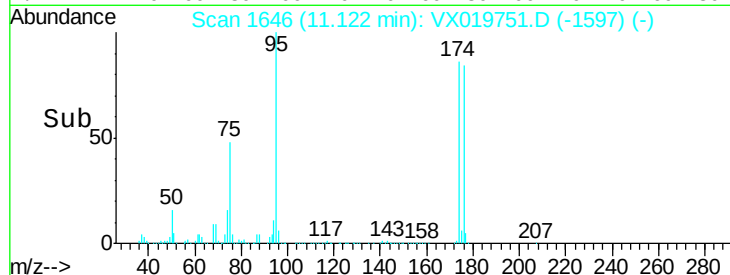
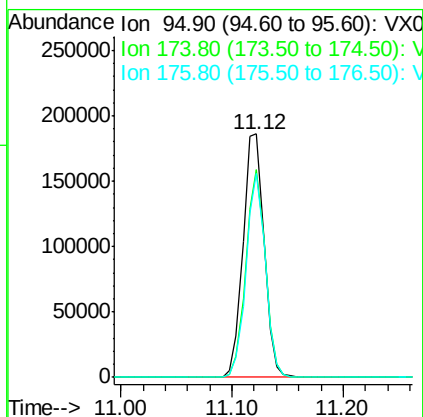
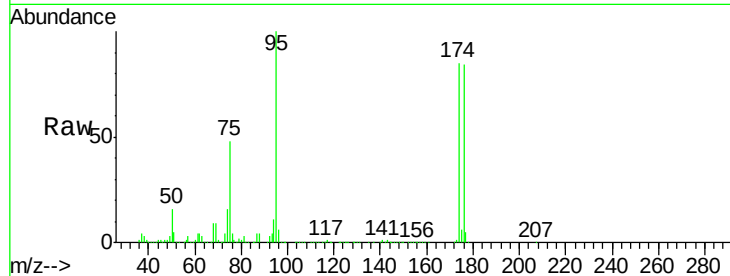




#62
4-Bromofluorobenzene
Concen: 45.873 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

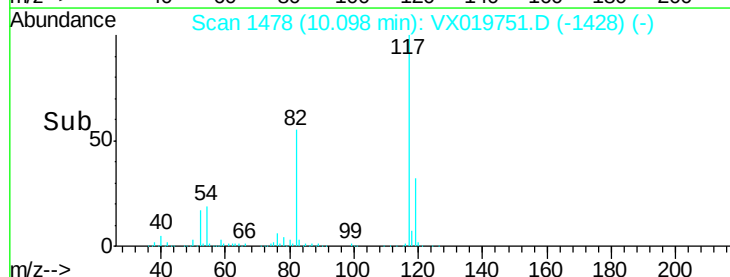
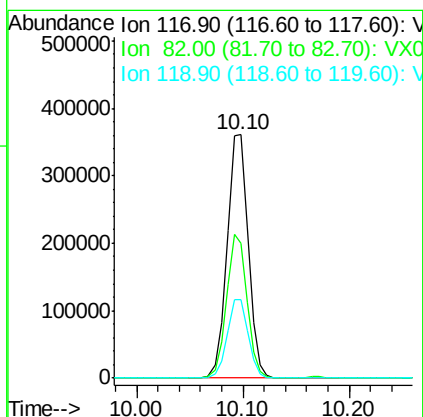
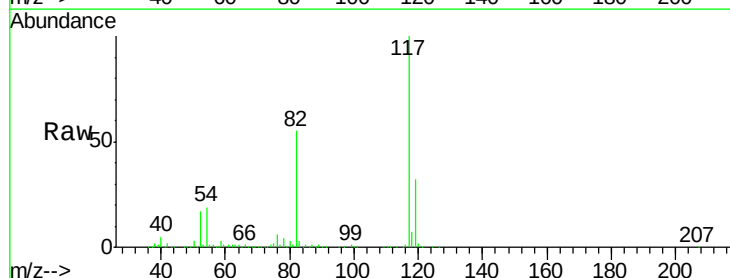
Instrument :
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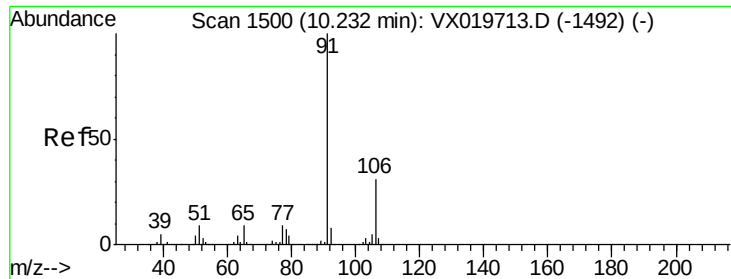
Tot Ion: 95 Resp: 243816
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion: 117 Resp: 503925
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.4 26.6 39.8

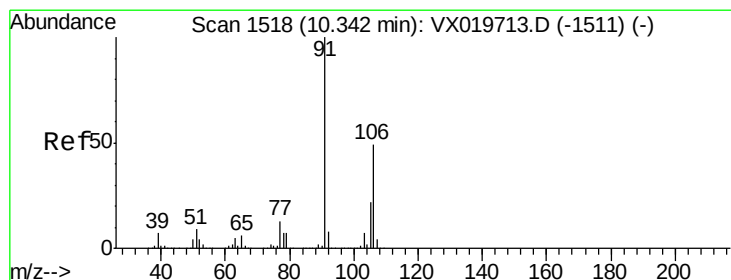
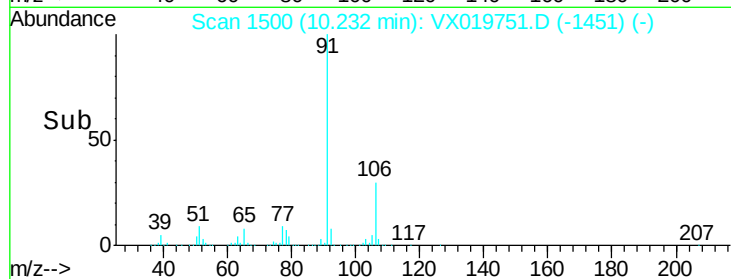
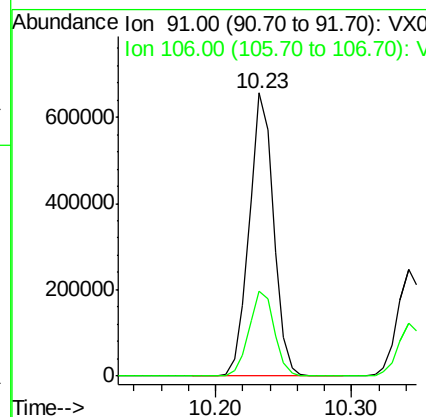
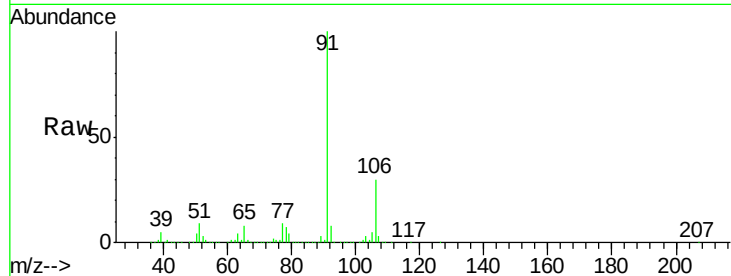




#67
Ethyl Benzene
Concen: 46.186 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

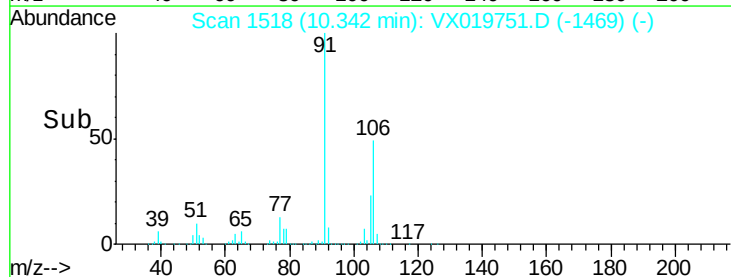
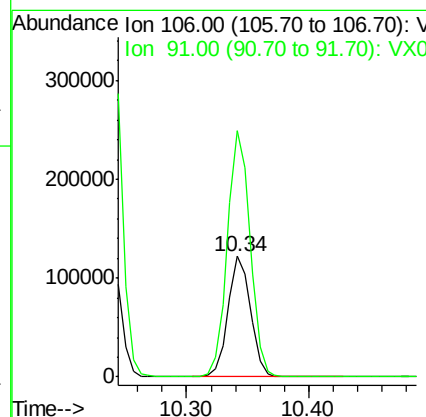
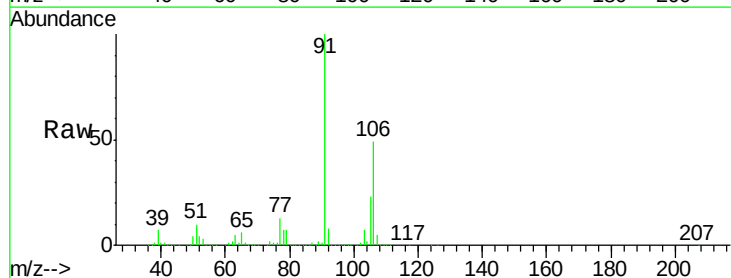
Instrument :
MSVOA_X
ClientSampleId :
BES-12SRDL

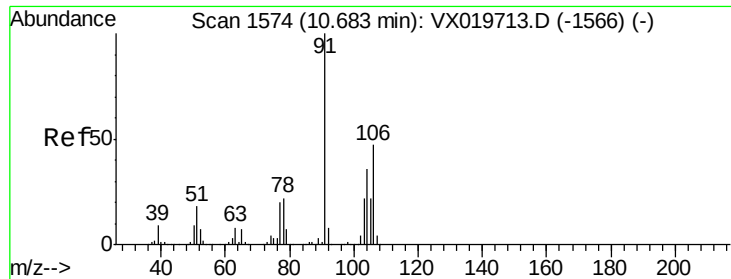
Tot Ion: 91 Resp: 823064
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0



#68
m/p-Xylenes
Concen: 23.169 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion: 106 Resp: 155579
Ion Ratio Lower Upper
106 100
91 205.6 162.8 244.2

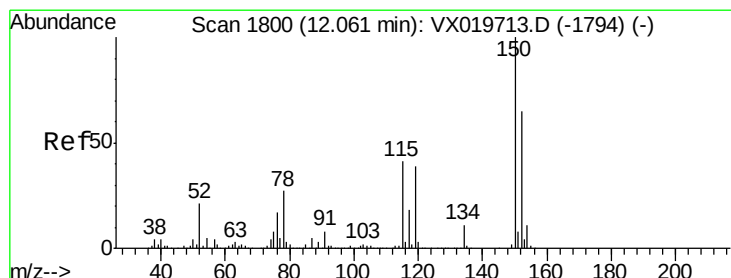
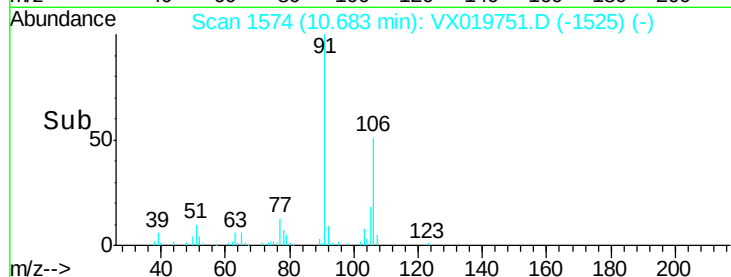
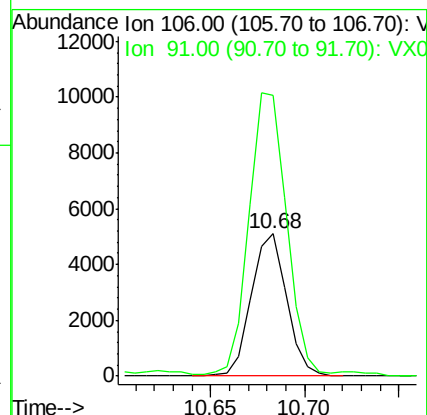
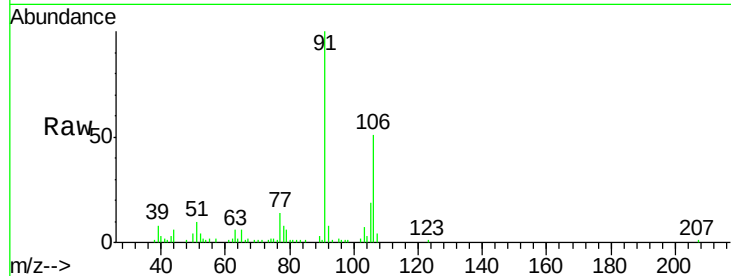




#69
o-Xylene
Concen: 1.032 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

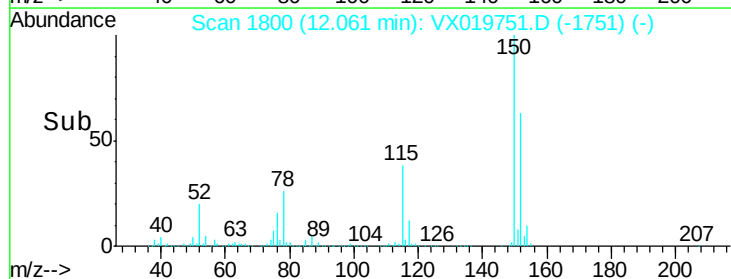
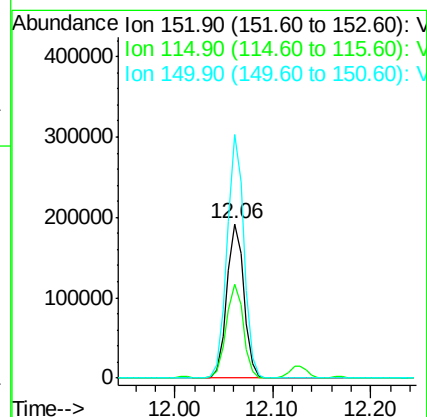
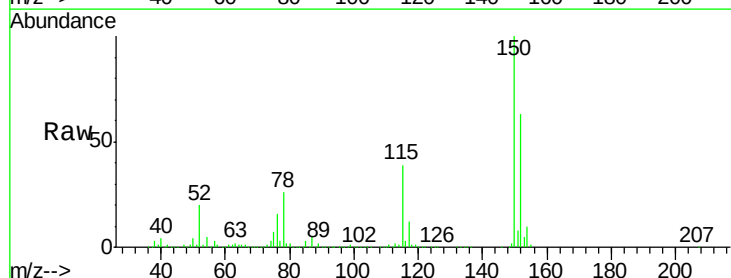
Instrument :
MSVOA_X
ClientSampled :
BES-12SRDL

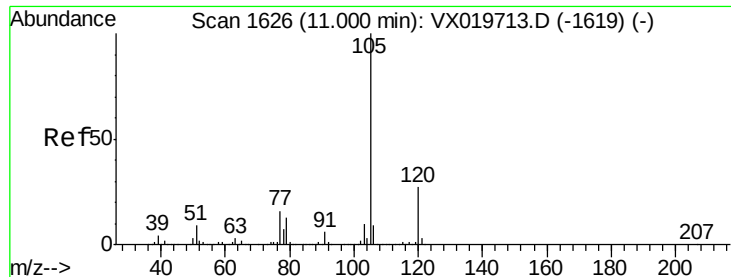
Tot Ion:106 Resp: 6665
Ion Ratio Lower Upper
106 100
91 208.2 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019751.D
Acq: 07 Dec 2020 14:45

Tgt Ion:152 Resp: 232400
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 155.3 0.0 349.0





#73

Isopropylbenzene

Concen: 9.875 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

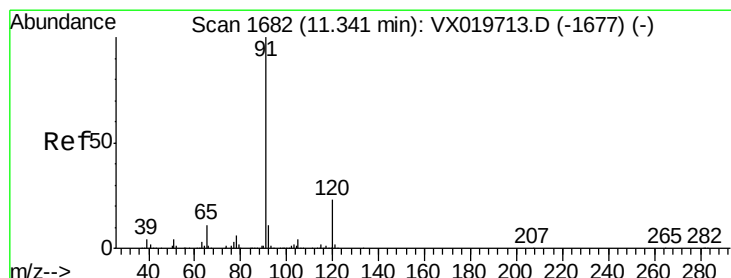
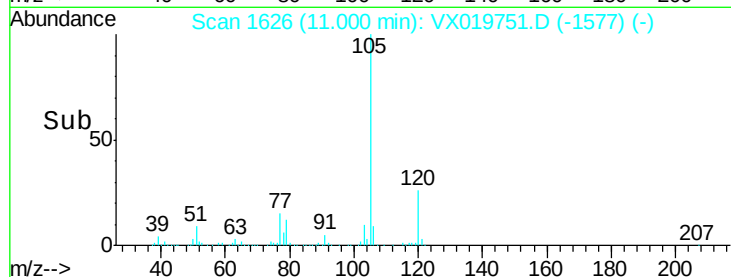
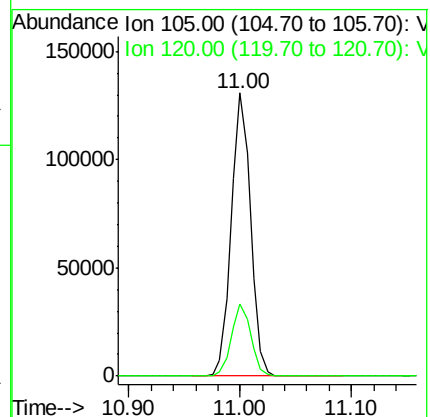
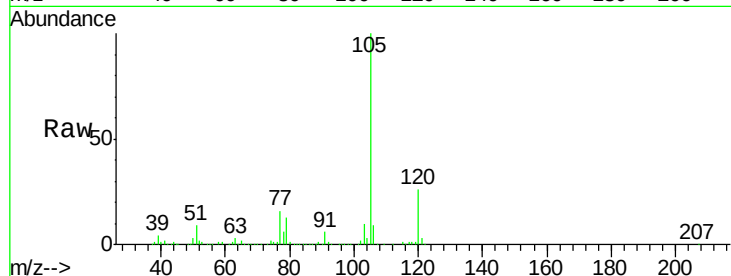
BES-12SRDL

Tot Ion:105 Resp: 156798

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6



#78

n-propylbenzene

Concen: 29.630 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019751.D

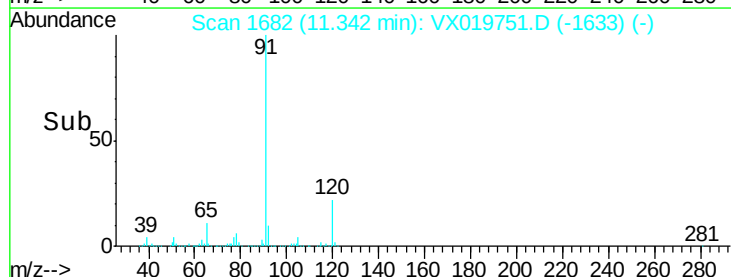
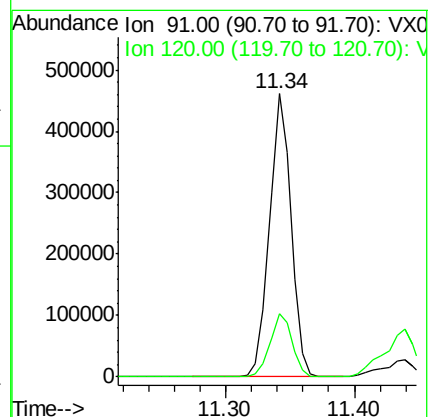
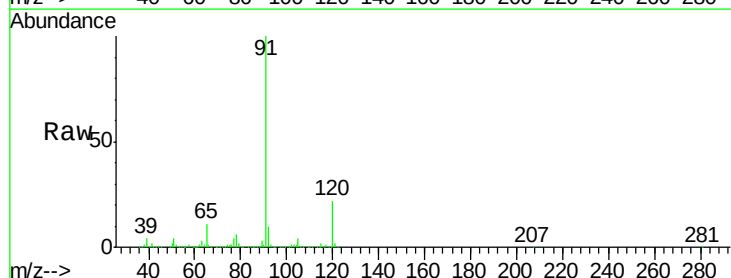
Acq: 07 Dec 2020 14:45

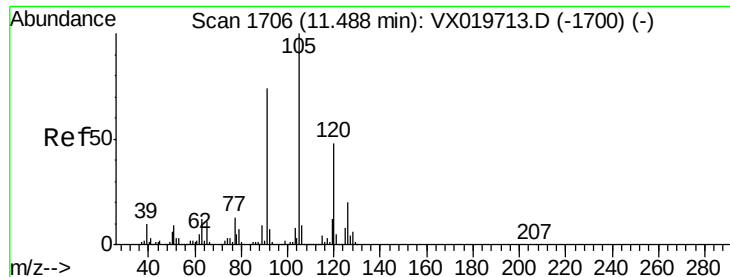
Tgt Ion: 91 Resp: 537320

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 19.765 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

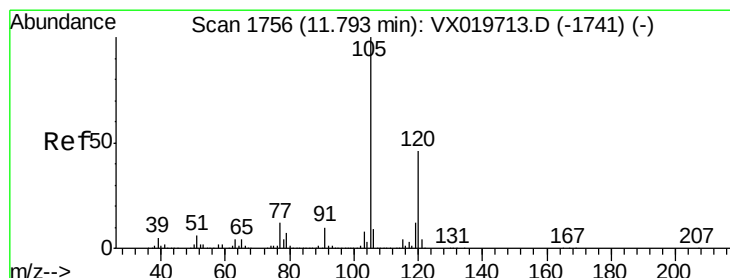
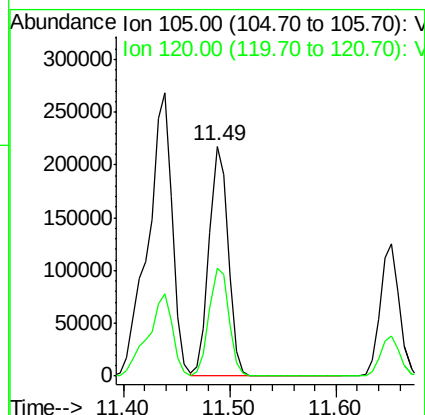
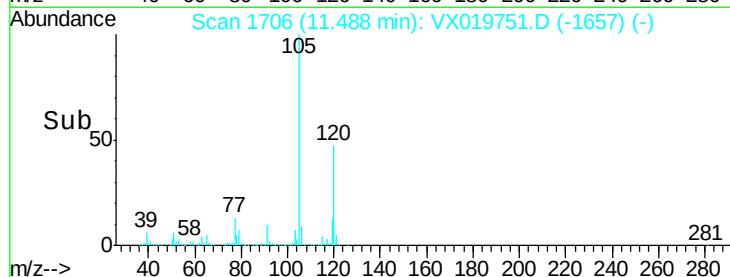
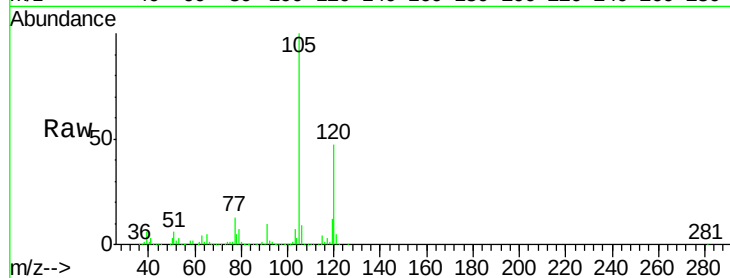
BES-12SRDL

Tot Ion:105 Resp: 264851

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.5



#84

1,2,4-Trimethylbenzene

Concen: 56.299 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019751.D

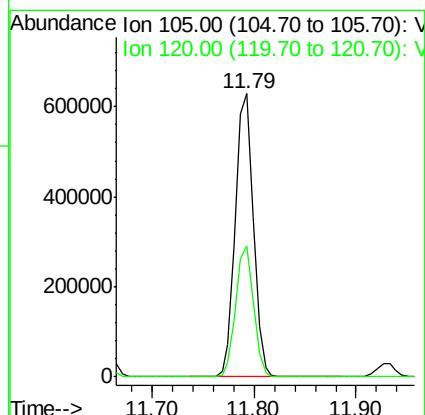
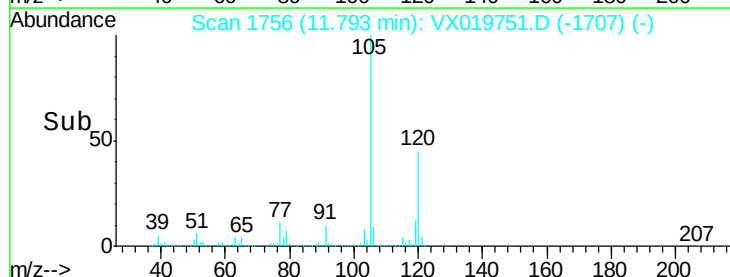
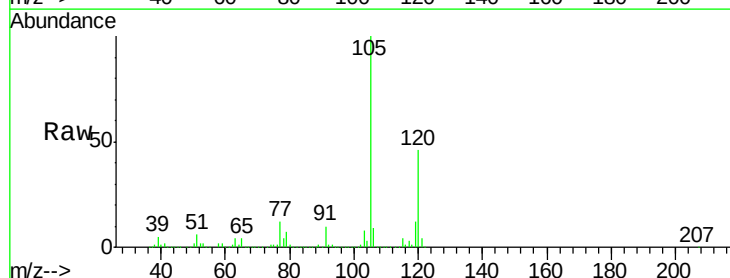
Acq: 07 Dec 2020 14:45

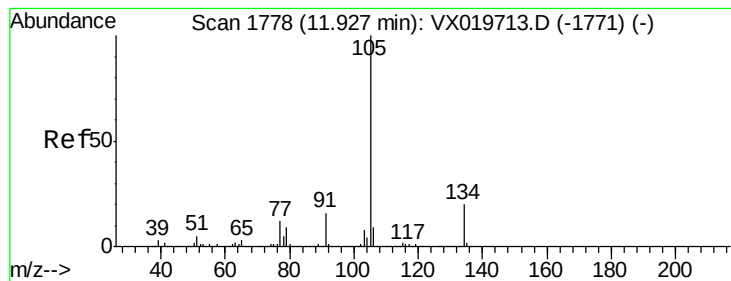
Tgt Ion:105 Resp: 759934

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 2.589 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

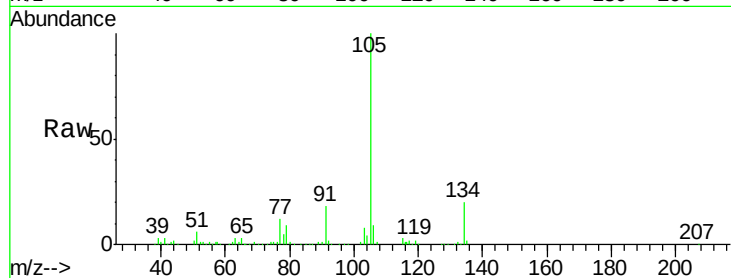
BES-12SRDL

Tot Ion:105 Resp: 38847

Ion Ratio Lower Upper

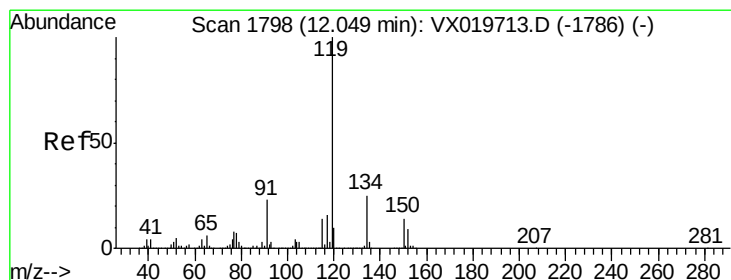
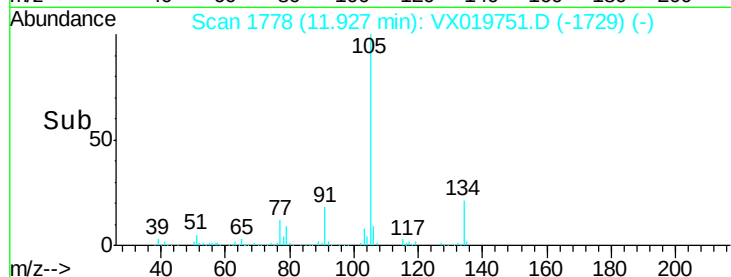
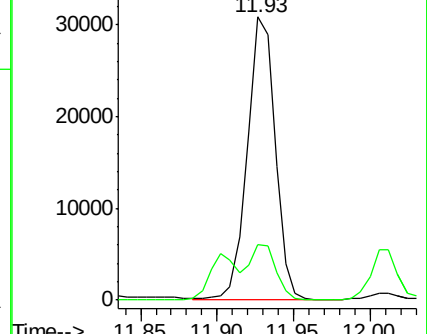
105 100

134 18.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.216 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

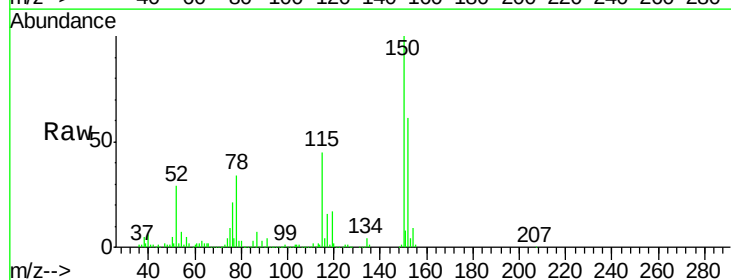
Tgt Ion:119 Resp: 16715

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

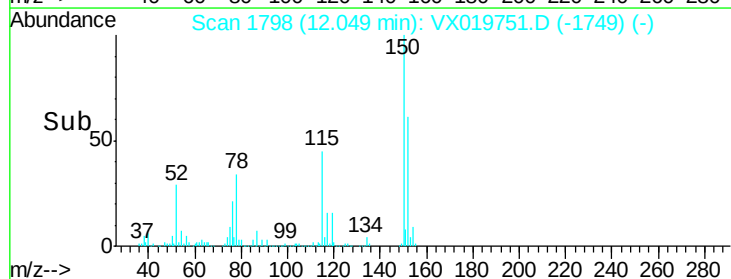
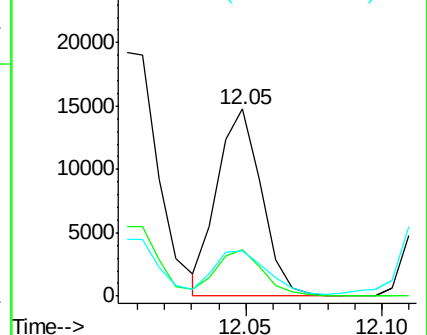
91 27.9 11.7 35.0

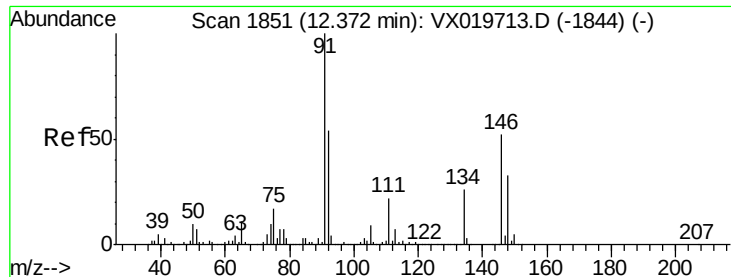


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 5.888 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

BES-12SRDL

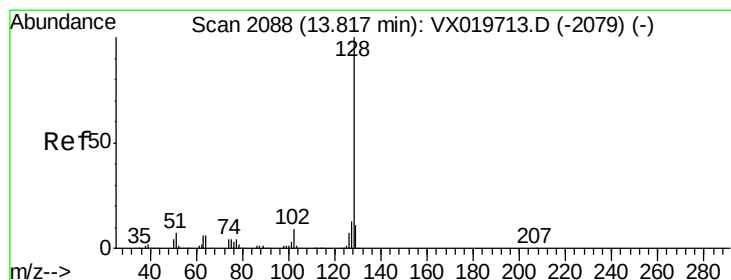
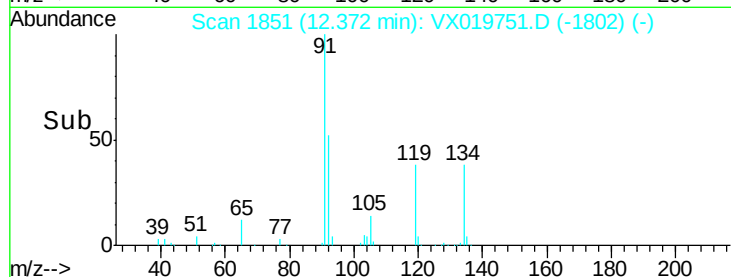
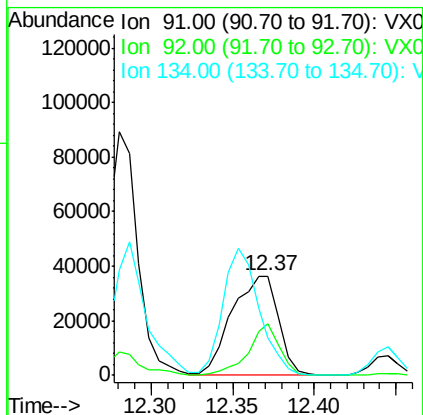
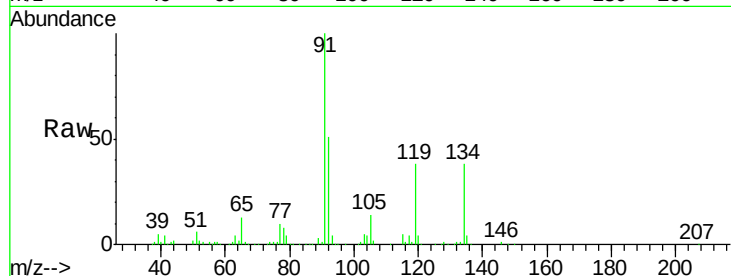
Tot Ion: 91 Resp: 71739

Ion Ratio Lower Upper

91 100

92 35.5 27.4 82.0

134 100.8 13.2 39.5#



#95

Naphthalene

Concen: 24.370 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019751.D

Acq: 07 Dec 2020 14:45

Tgt Ion:128 Resp: 373887

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.5 8.8 13.2

