

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005526.D
 Acq On : 23 Oct 2018 17:34
 Operator : JC/MD
 Sample : J5646-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Oct 24 10:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	143187	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	5.51	113	119741	52.87	ug/l	0.01
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	8.71	98	399289	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.14	95	138853	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

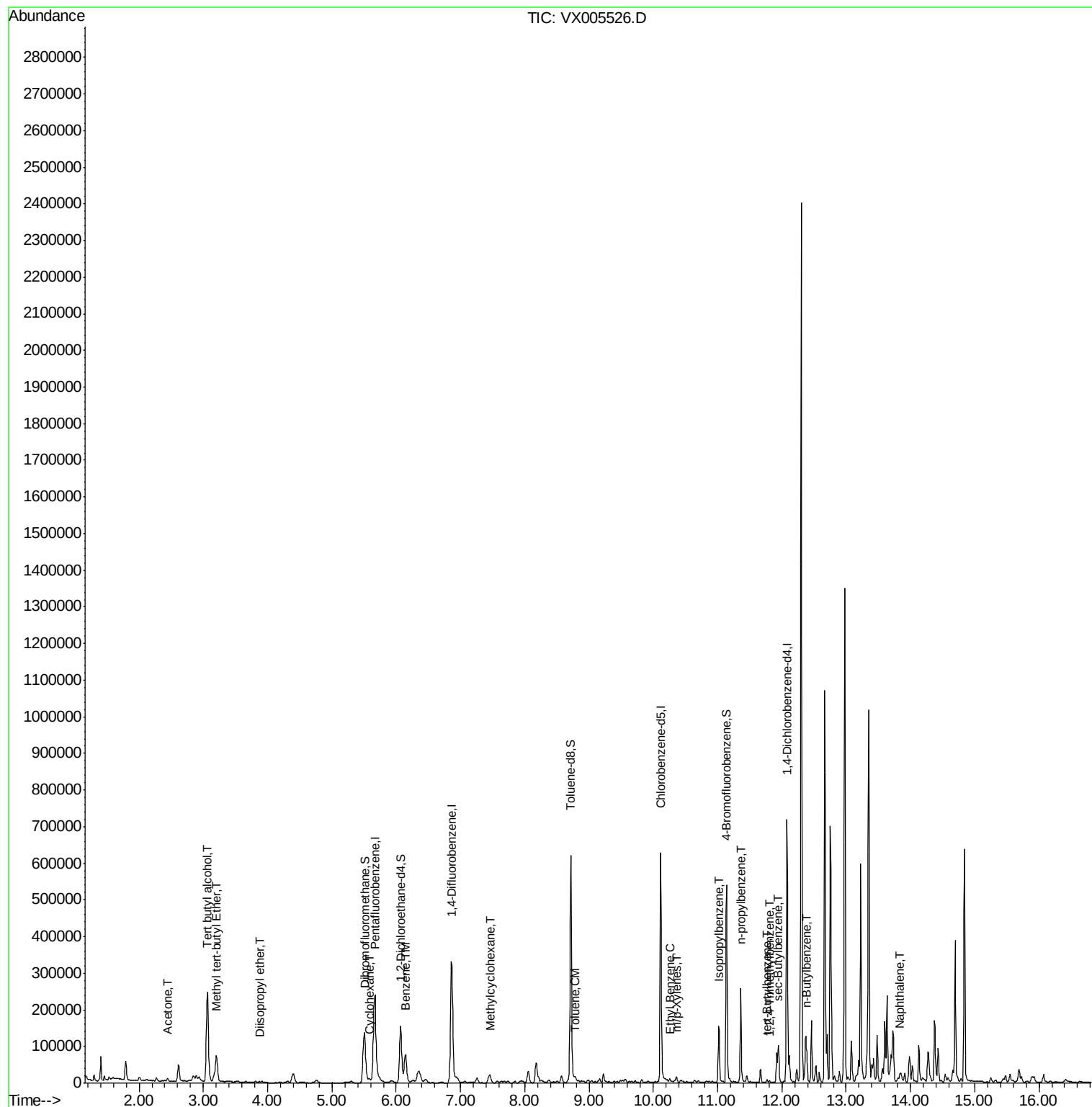
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	297505	374.285	ug/l	99
16) Acetone	2.45	43	7248	4.449	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	72984	9.319	ug/l	92
22) Diisopropyl ether	3.87	45	3732	0.455	ug/l	92
31) Cyclohexane	5.58	56	5994	1.547	ug/l	92
39) Methylcyclohexane	7.46	83	6926	1.932	ug/l	85
40) Benzene	6.15	78	93369	9.399	ug/l #	85
52) Toluene	8.79	92	2971	0.547	ug/l	93
67) Ethyl Benzene	10.26	91	4001	0.392	ug/l	92
68) m/p-Xylenes	10.36	106	2908	0.734	ug/l	100
73) Isopropylbenzene	11.02	105	79105	9.060	ug/l	99
78) n-propylbenzene	11.36	91	153448	15.272	ug/l	97
83) tert-Butylbenzene	11.77	119	2498	0.330	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	2341	0.304	ug/l	100
85) sec-Butylbenzene	11.94	105	52946	5.909	ug/l	97
89) n-Butylbenzene	12.39	91	42102	5.725	ug/l #	70
95) Naphthalene	13.83	128	13357	1.319	ug/l #	86

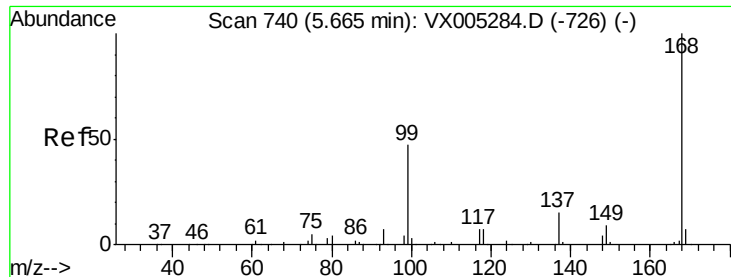
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

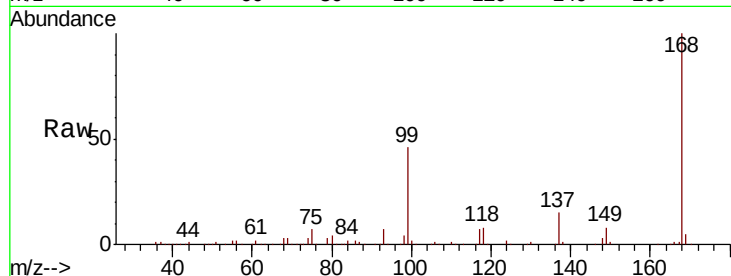
MW-2

Tot Ion:168 Resp: 253892

Ion Ratio Lower Upper

168 100

99 45.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

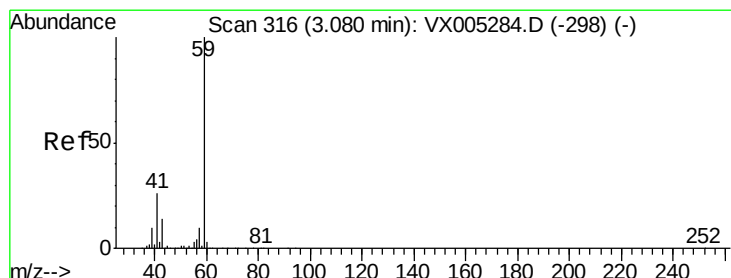
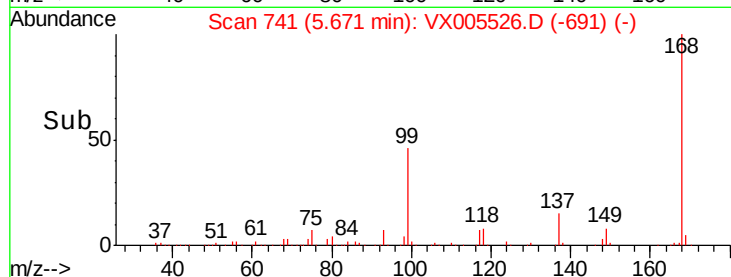
40000

20000

0

Time-->

5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 374.285 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005526.D

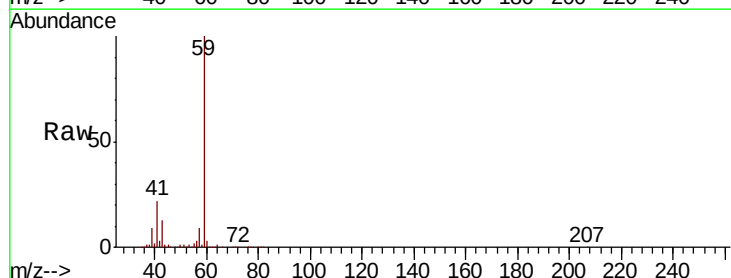
Acq: 23 Oct 2018 17:34

Tgt Ion: 59 Resp: 297505

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150000

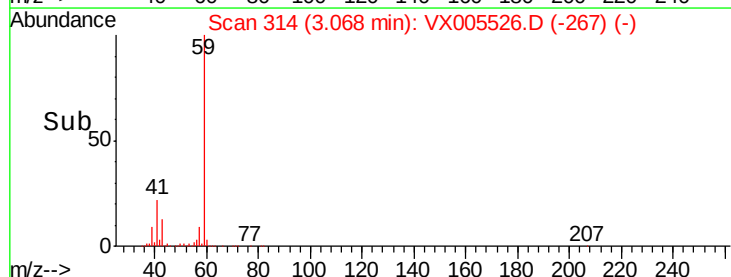
100000

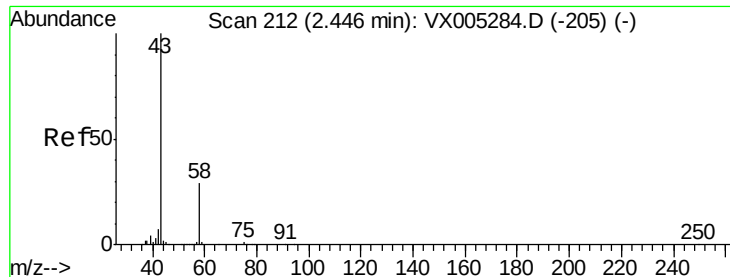
50000

0

Time-->

2.90 3.00 3.10 3.20





#16

Acetone

Concen: 4.449 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

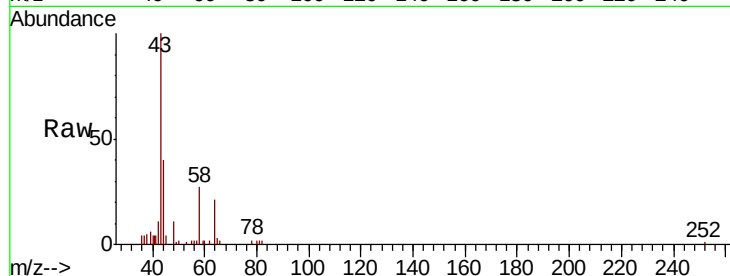
MW-2

Tot Ion: 43 Resp: 7248

Ion Ratio Lower Upper

43 100

58 27.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

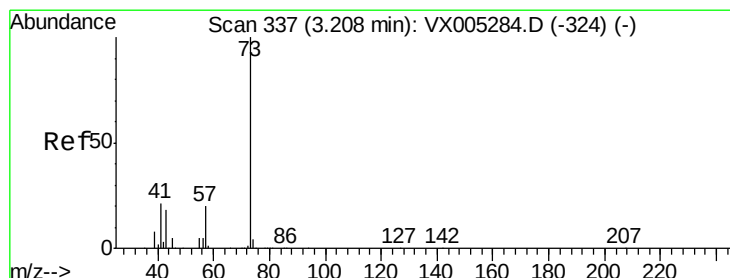
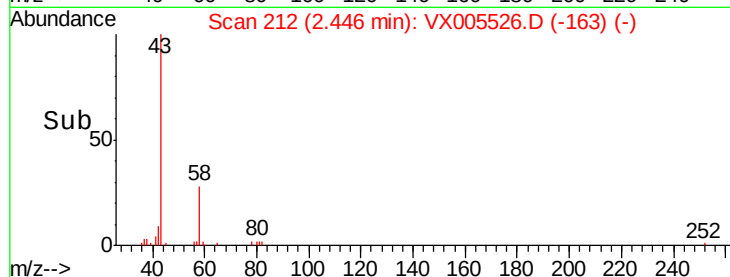
2000

1000

0

Time-->

2.40 2.45 2.50



#19

Methyl tert-butyl Ether

Concen: 9.319 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005526.D

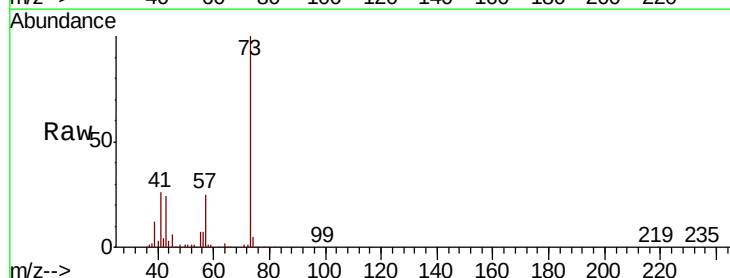
Acq: 23 Oct 2018 17:34

Tgt Ion: 73 Resp: 72984

Ion Ratio Lower Upper

73 100

57 25.1 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

30000

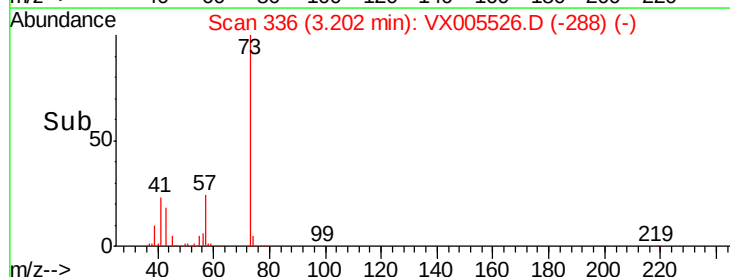
20000

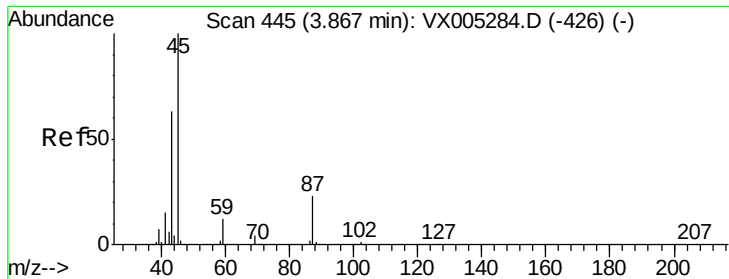
10000

0

Time-->

3.10 3.20 3.30





#22

Diisopropyl ether

Concen: 0.455 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 45 Resp: 3732

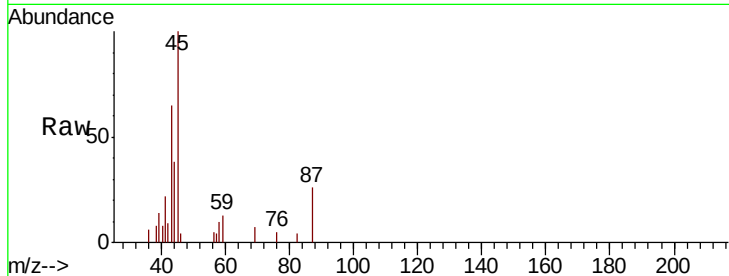
Ion Ratio Lower Upper

45 100

43 62.9 42.8 64.2

87 27.8 22.6 34.0

59 13.1 9.6 14.4

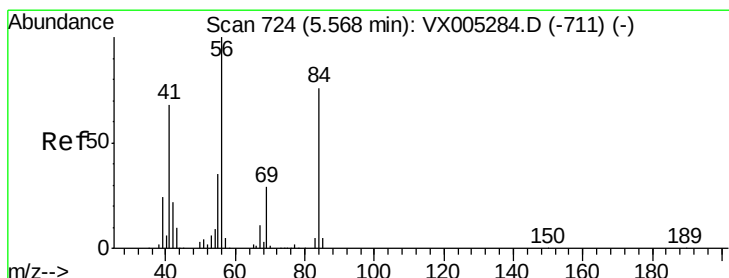
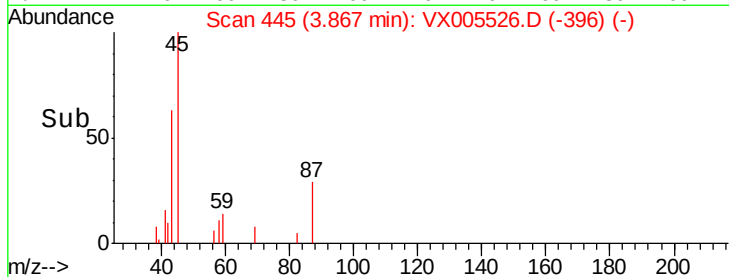
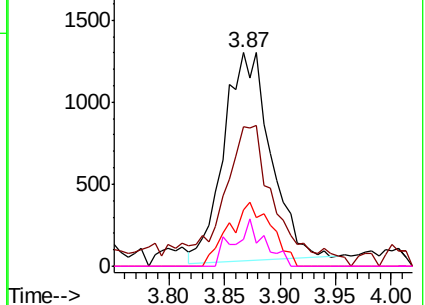


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#31

Cyclohexane

Concen: 1.547 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

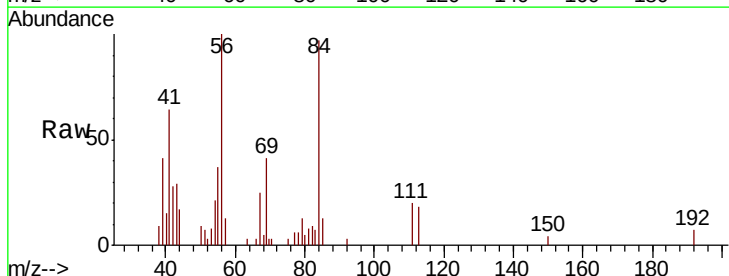
Tgt Ion: 56 Resp: 5994

Ion Ratio Lower Upper

56 100

69 34.2 25.4 38.2

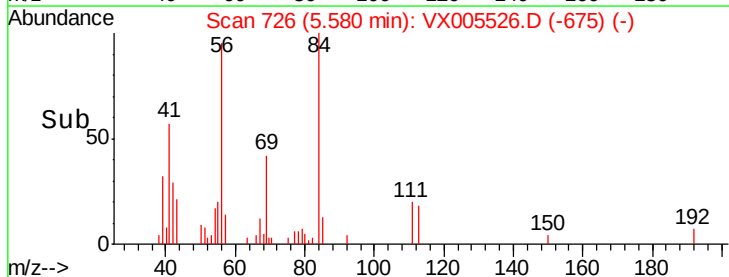
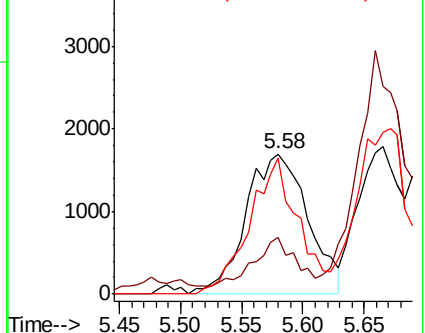
84 97.5 71.4 107.2

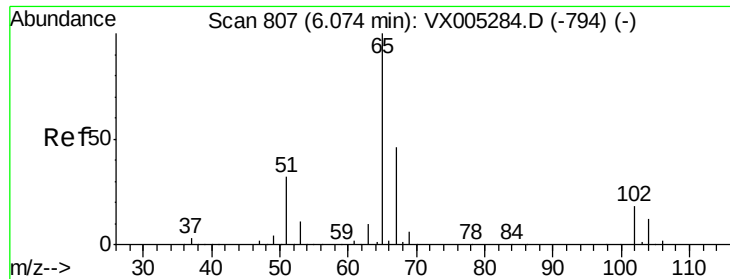


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

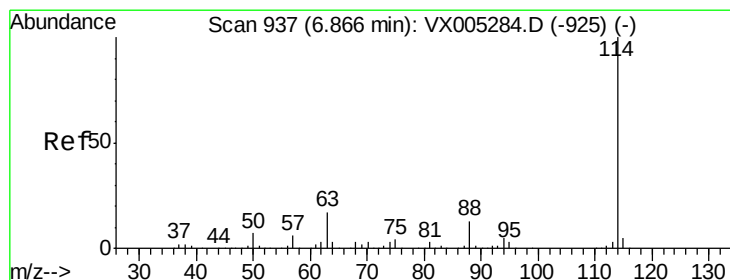
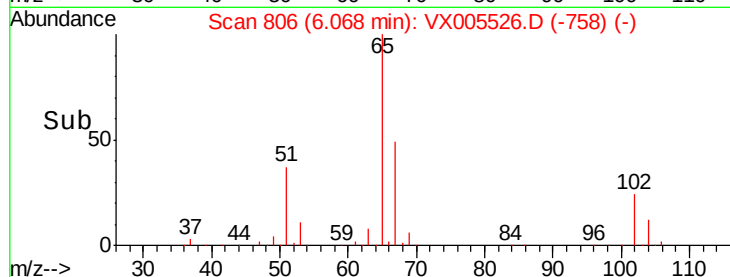
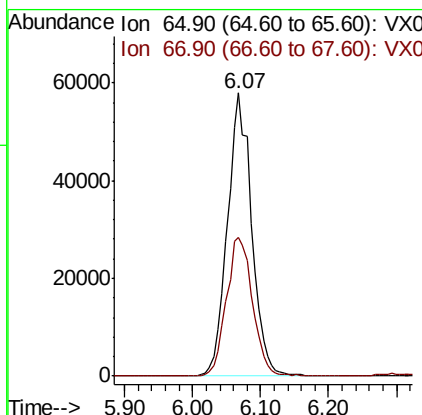
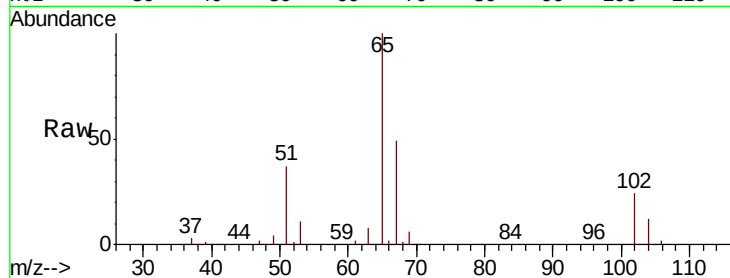




#33
 1,2-Dichloroethane-d4
 Concen: 50.815 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005526.D
 Acq: 23 Oct 2018 17:34

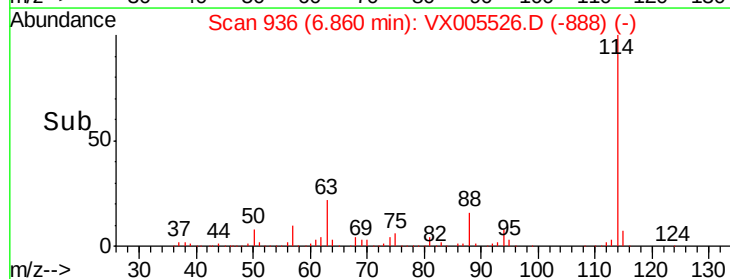
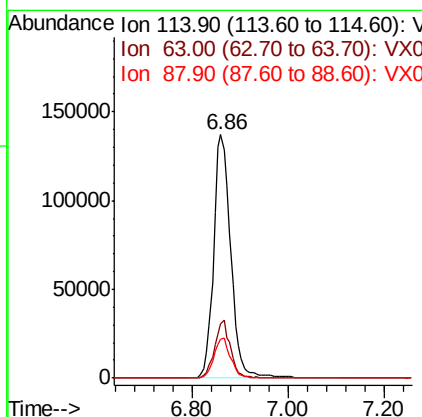
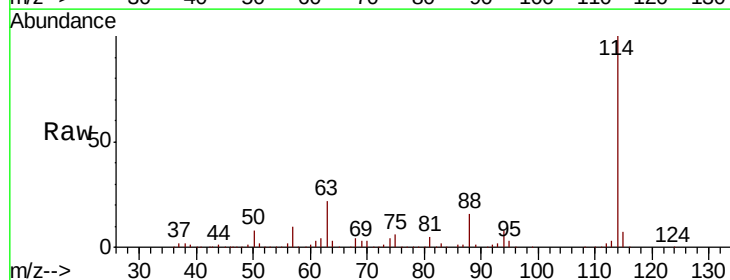
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

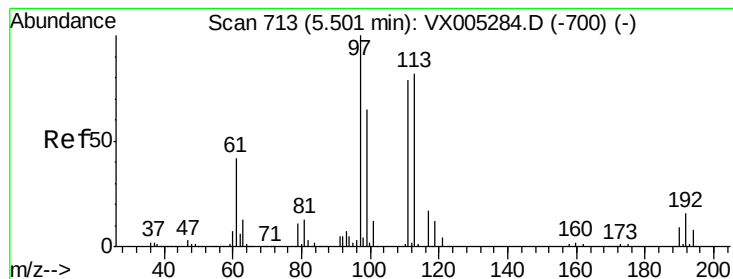
Tot Ion: 65 Resp: 143187
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005526.D
 Acq: 23 Oct 2018 17:34

Tgt Ion: 114 Resp: 341940
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 39.0
 88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.872 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

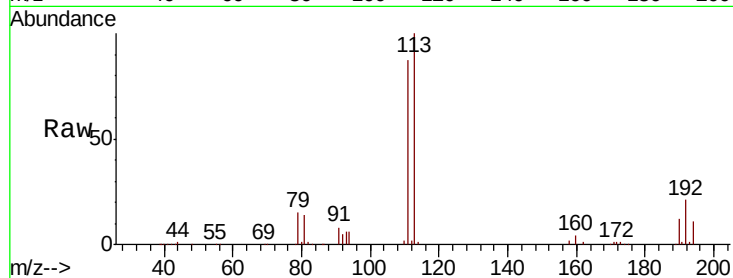
Tot Ion:113 Resp: 119741

Ion Ratio Lower Upper

113 100

111 99.5 82.4 123.6

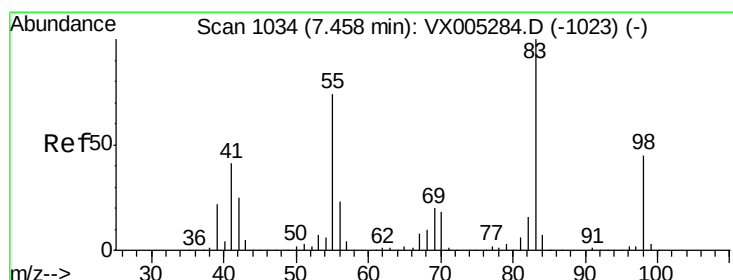
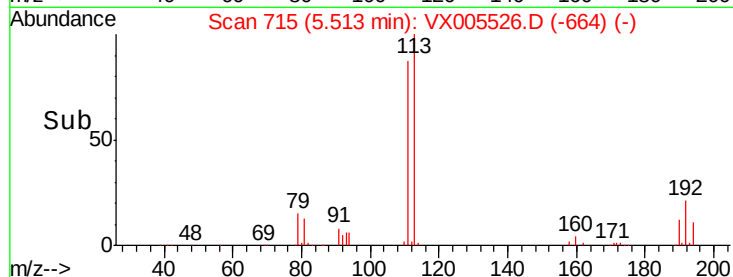
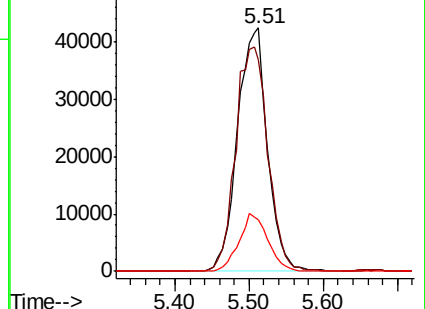
192 22.9 19.4 29.2



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



#39

Methylcyclohexane

Concen: 1.932 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

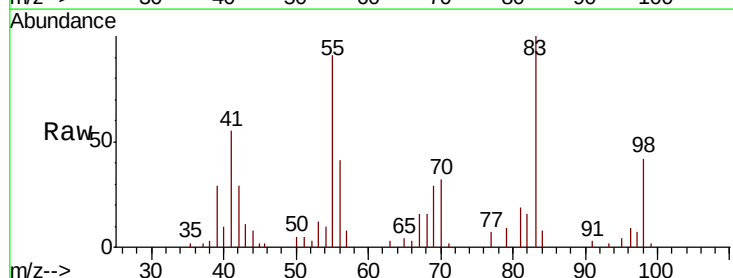
Tgt Ion: 83 Resp: 6926

Ion Ratio Lower Upper

83 100

55 91.1 61.0 91.4

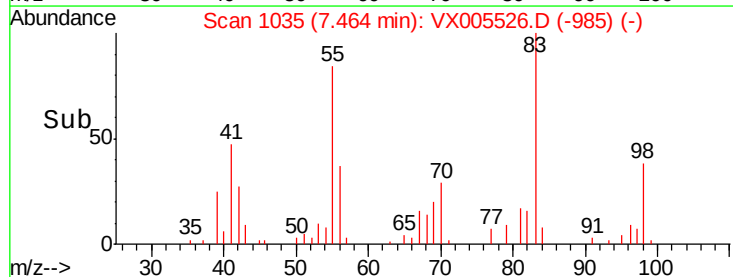
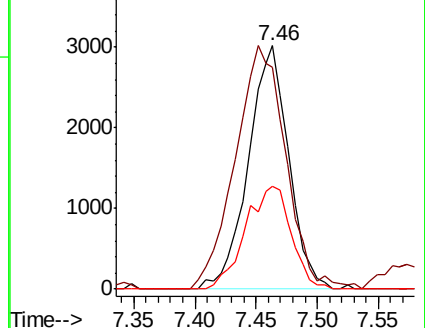
98 42.3 39.6 59.4

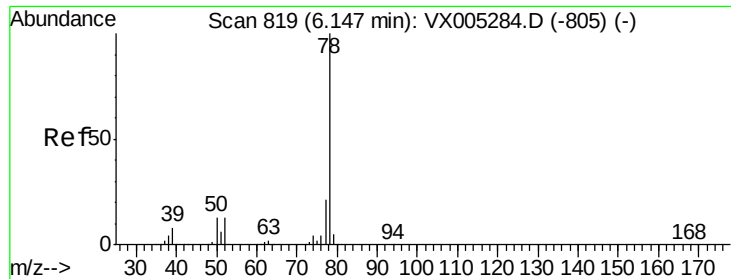


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 9.399 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

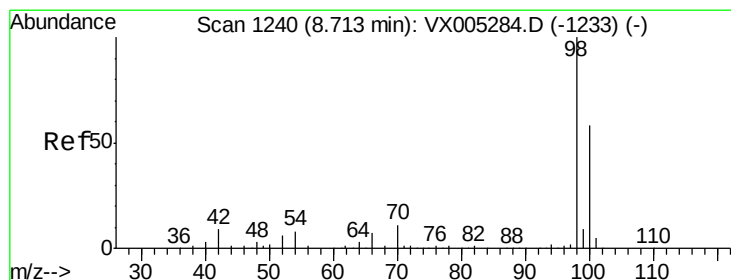
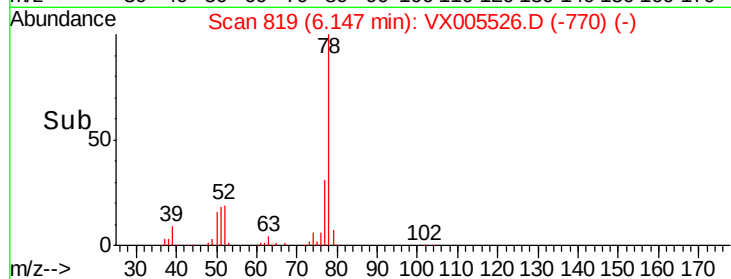
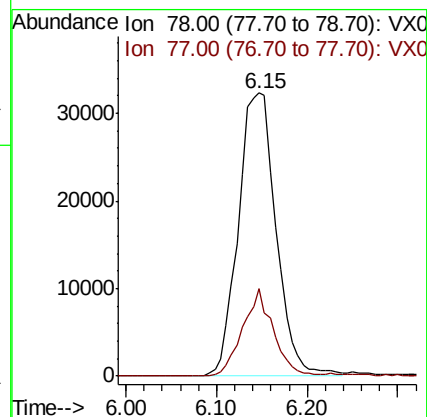
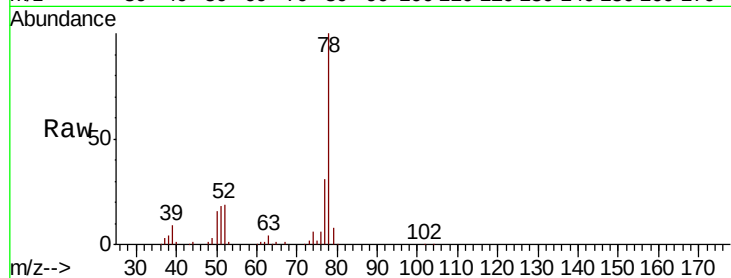
MW-2

Tot Ion: 78 Resp: 93369

Ion Ratio Lower Upper

78 100

77 30.8 19.0 28.4#



#50

Toluene-d8

Concen: 51.355 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005526.D

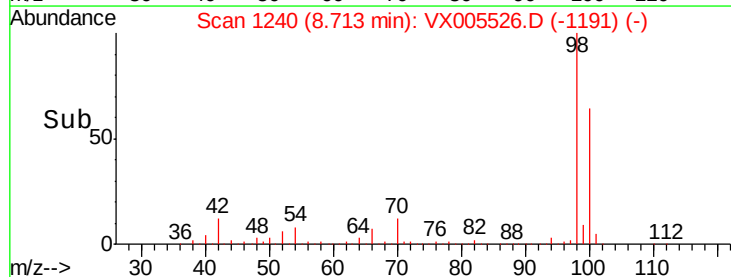
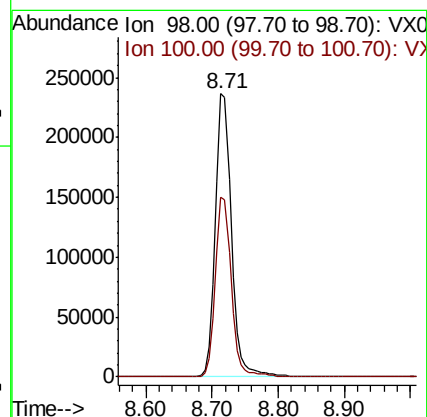
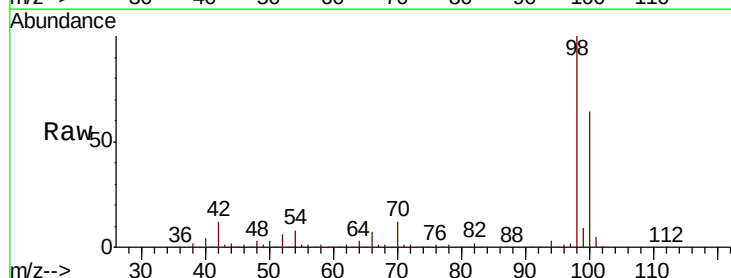
Acq: 23 Oct 2018 17:34

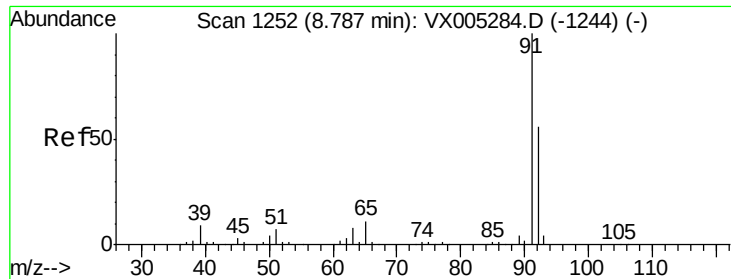
Tgt Ion: 98 Resp: 399289

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3





#52

Toluene

Concen: 0.547 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

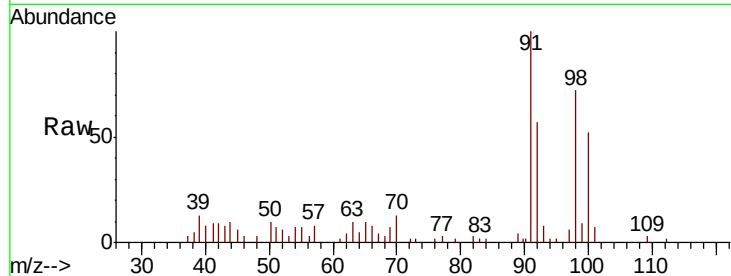
MW-2

Tot Ion: 92 Resp: 2971

Ion Ratio Lower Upper

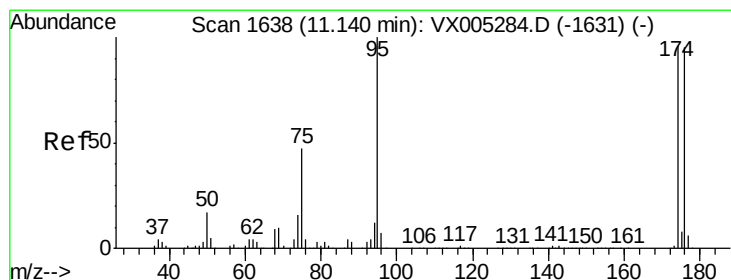
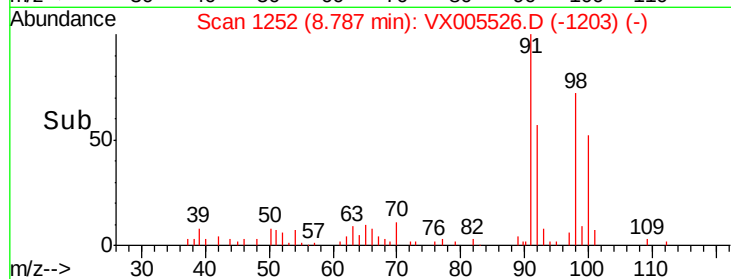
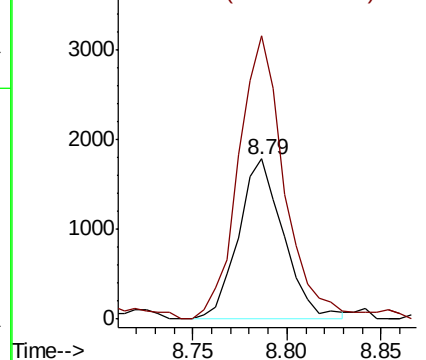
92 100

91 179.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.539 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

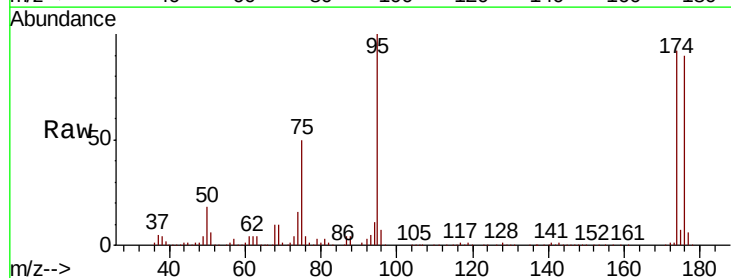
Tgt Ion: 95 Resp: 138853

Ion Ratio Lower Upper

95 100

174 89.6 0.0 185.2

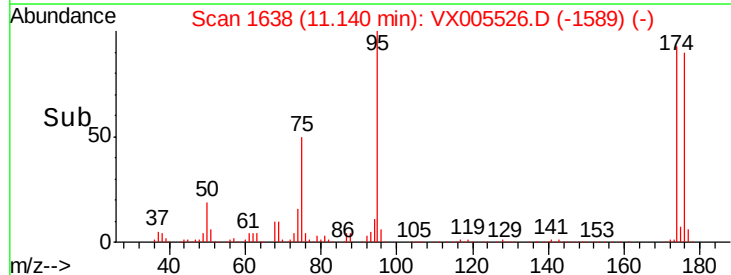
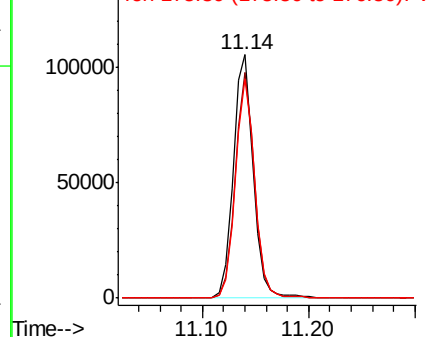
176 87.6 0.0 178.6

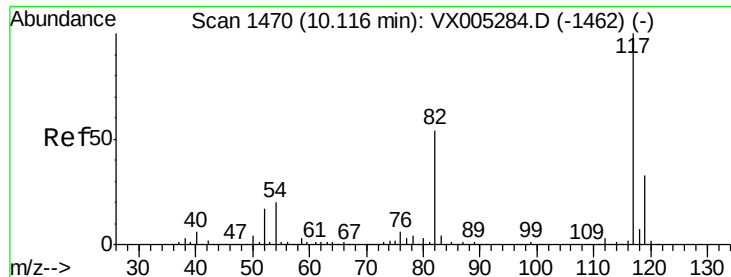


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

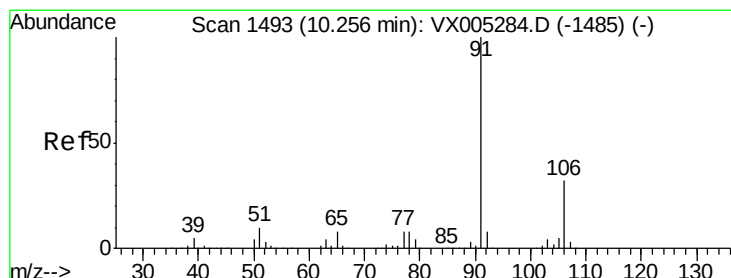
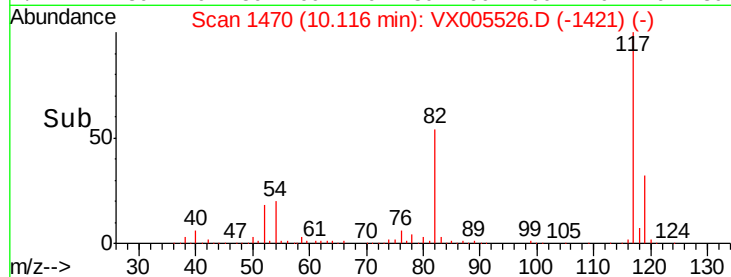
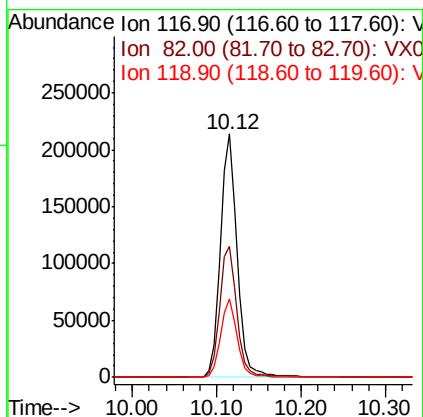
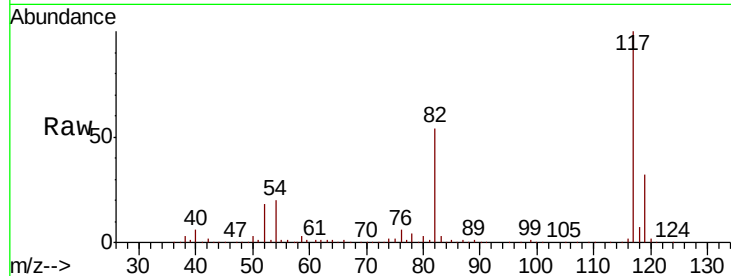




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005526.D
Acq: 23 Oct 2018 17:34

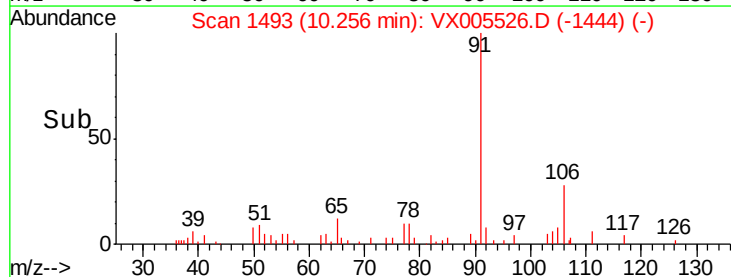
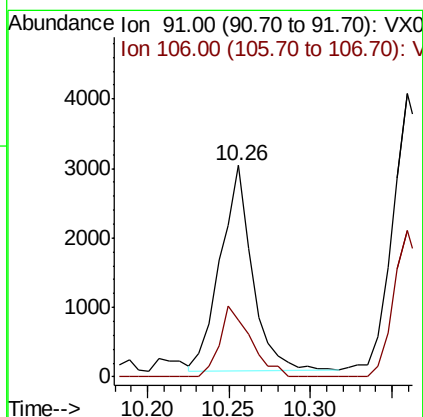
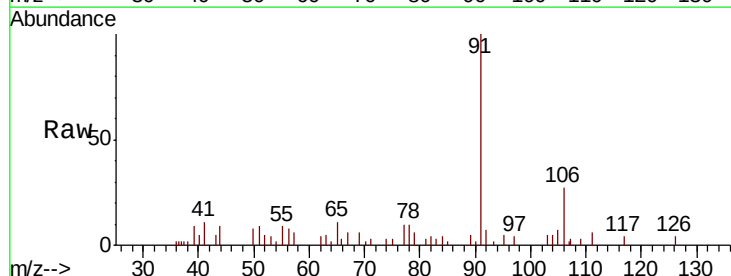
Instrument :
MSVOA_X
ClientSampled :
MW-2

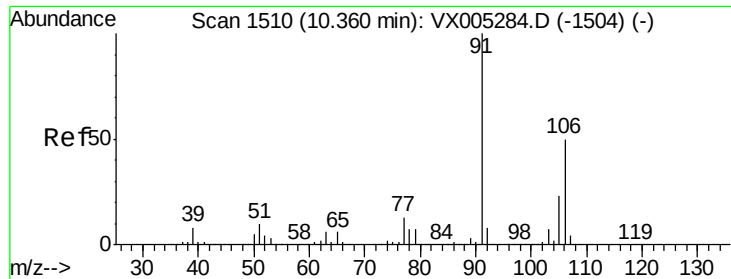
Tot Ion:117 Resp: 294985
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 32.1 29.3 43.9



#67
Ethyl Benzene
Concen: 0.392 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005526.D
Acq: 23 Oct 2018 17:34

Tgt Ion: 91 Resp: 4001
Ion Ratio Lower Upper
91 100
106 27.8 25.9 38.9

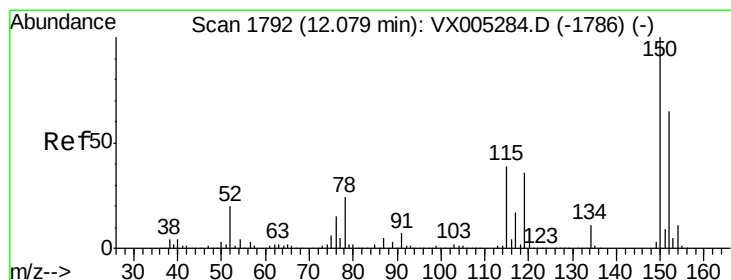
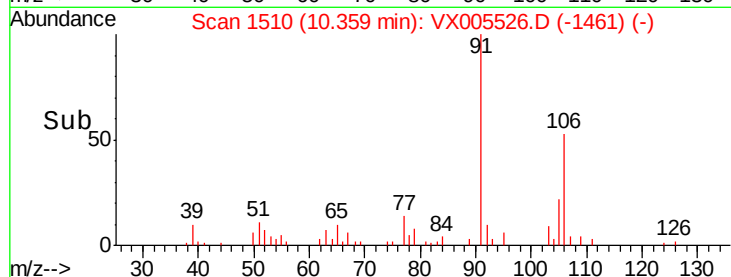
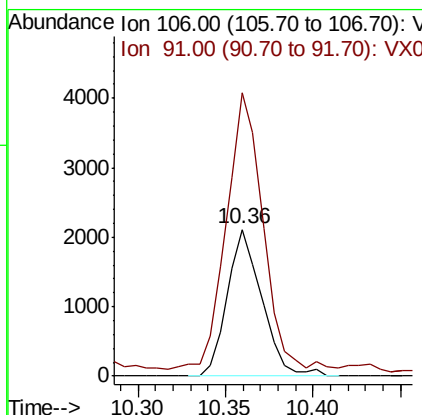
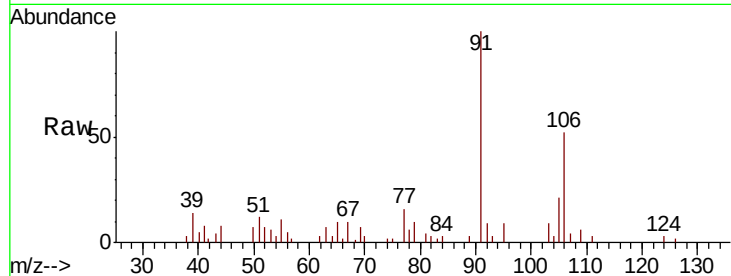




#68
m/p-Xvlenes
Concen: 0.734 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005526.D
Acq: 23 Oct 2018 17:34

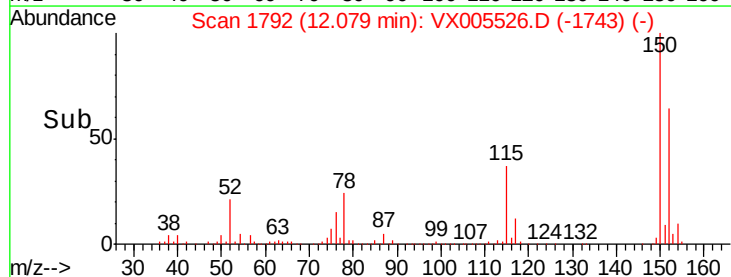
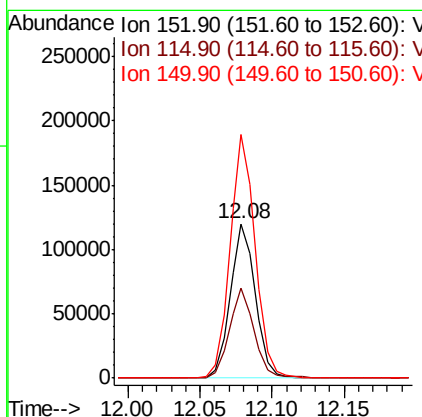
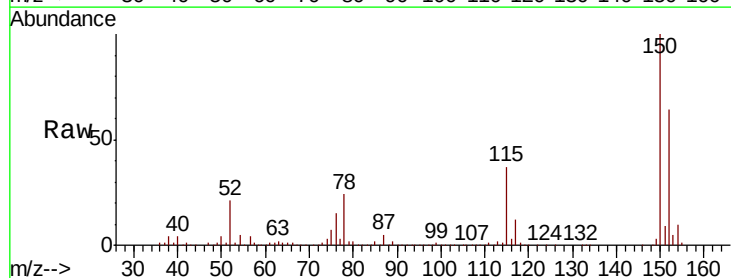
Instrument :
MSVOA_X
ClientSampleId :
MW-2

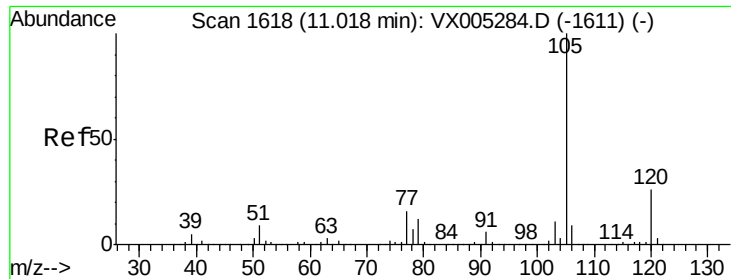
Tot Ion:106 Resp: 2908
Ion Ratio Lower Upper
106 100
91 196.1 157.1 235.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005526.D
Acq: 23 Oct 2018 17:34

Tgt Ion:152 Resp: 146879
Ion Ratio Lower Upper
152 100
115 58.2 39.0 117.0
150 157.4 0.0 351.0





#73

Isopropylbenzene

Concen: 9.060 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampled :

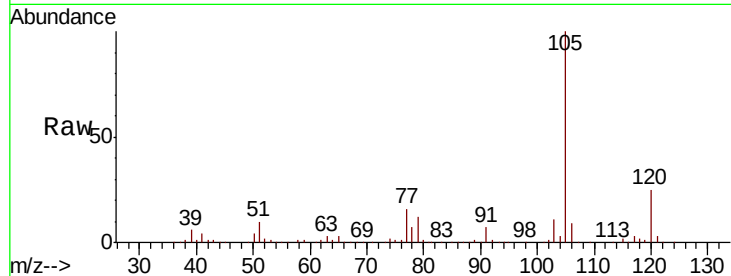
MW-2

Tot Ion:105 Resp: 79105

Ion Ratio Lower Upper

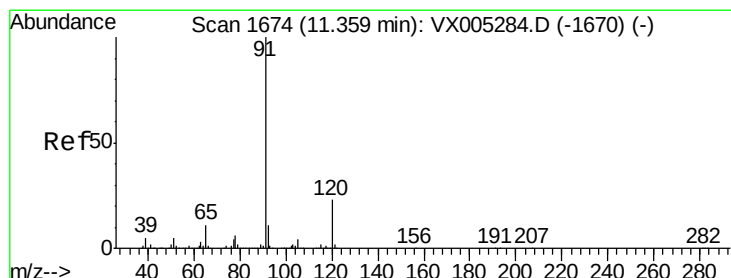
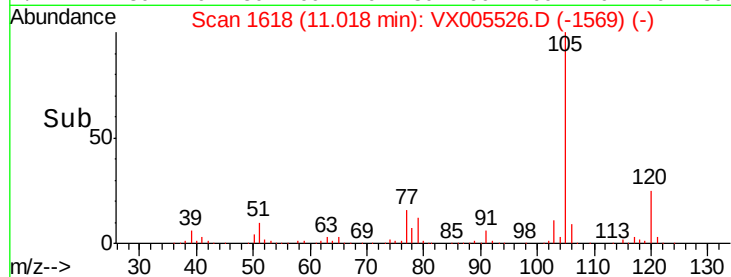
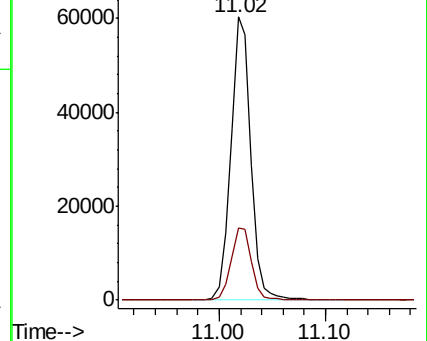
105 100

120 26.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 15.272 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005526.D

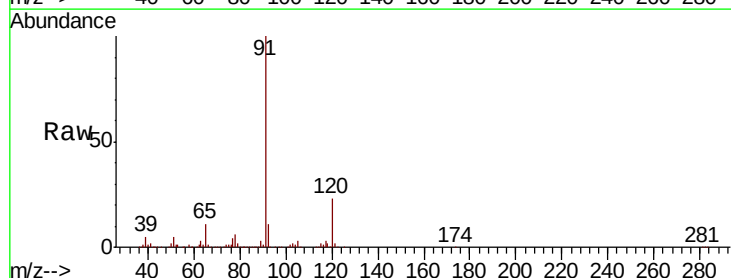
Acq: 23 Oct 2018 17:34

Tgt Ion: 91 Resp: 153448

Ion Ratio Lower Upper

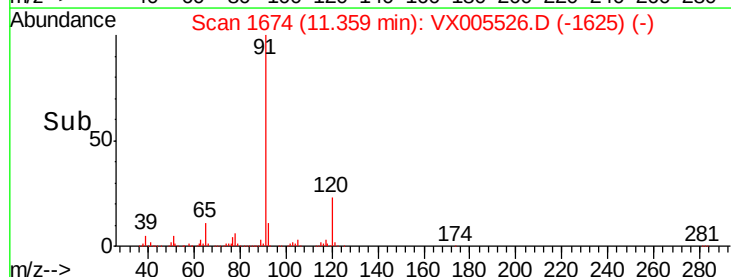
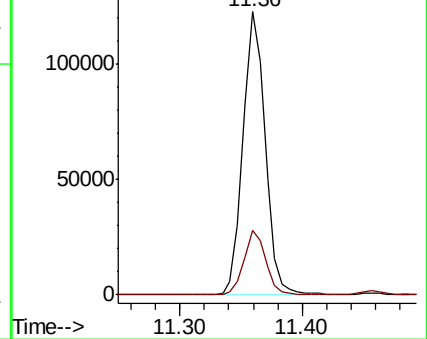
91 100

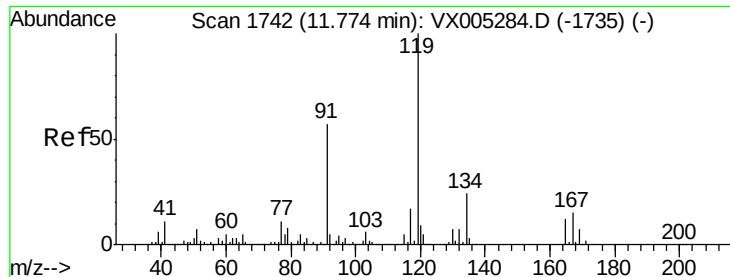
120 22.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.330 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

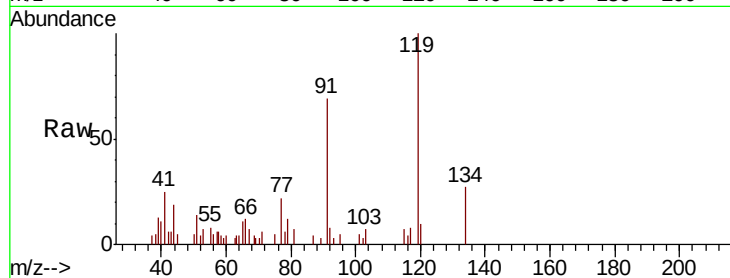
Tot Ion:119 Resp: 2498

Ion Ratio Lower Upper

119 100

91 62.0 27.0 81.0

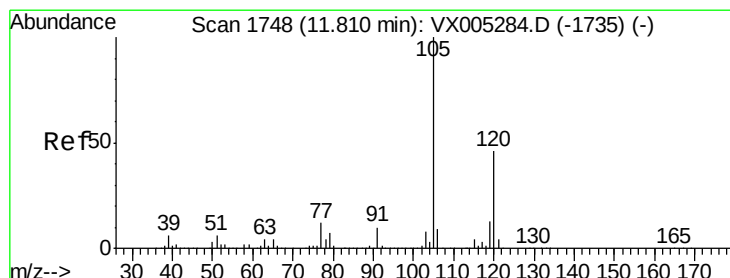
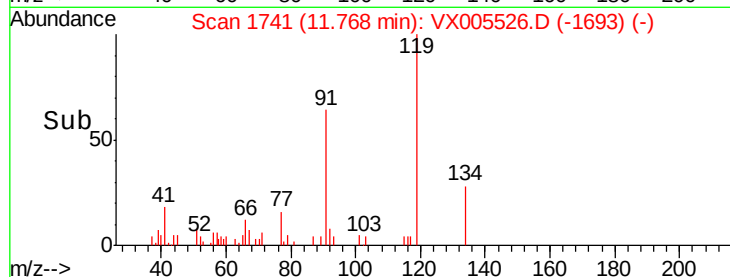
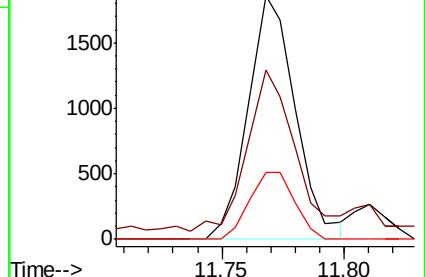
134 26.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.304 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX005526.D

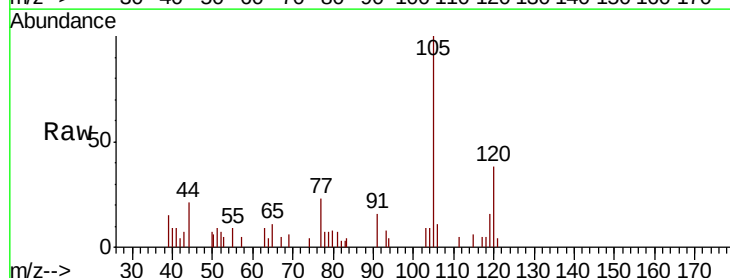
Acq: 23 Oct 2018 17:34

Tgt Ion:105 Resp: 2341

Ion Ratio Lower Upper

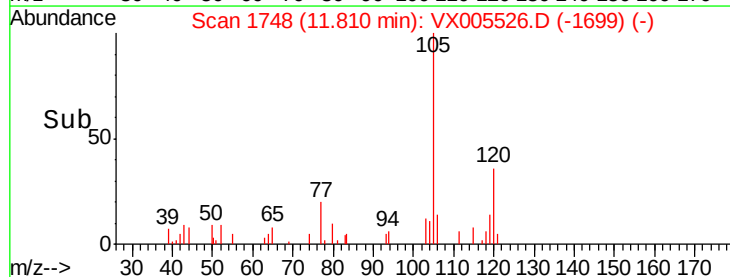
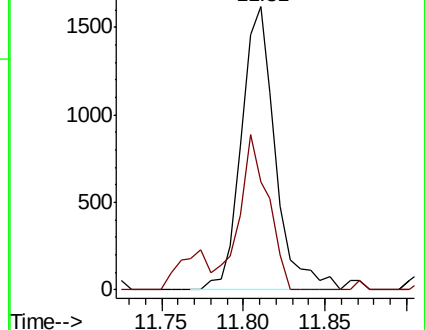
105 100

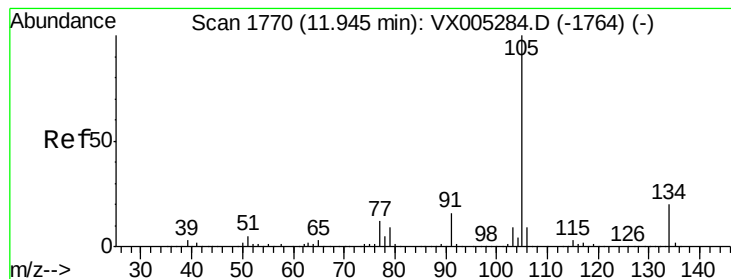
120 46.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.909 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

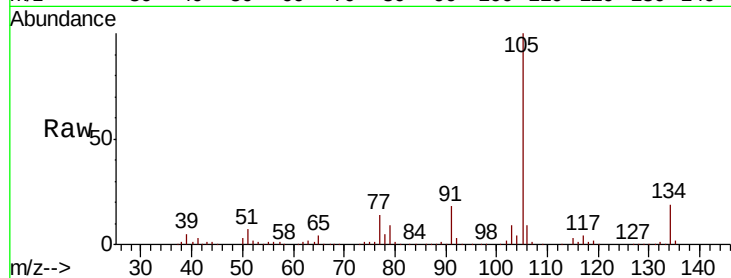
MW-2

Tot Ion: 105 Resp: 52946

Ion Ratio Lower Upper

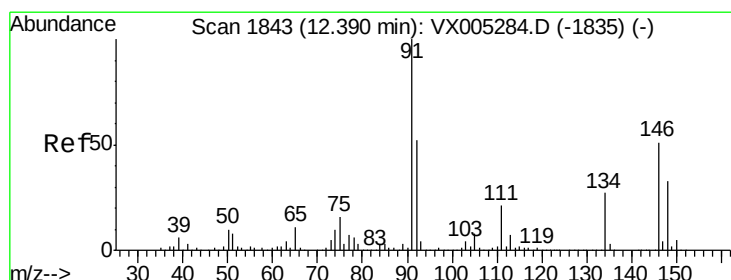
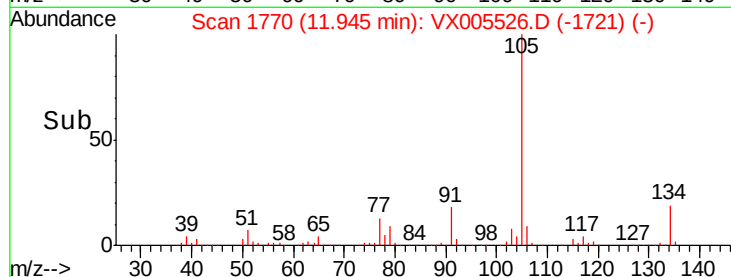
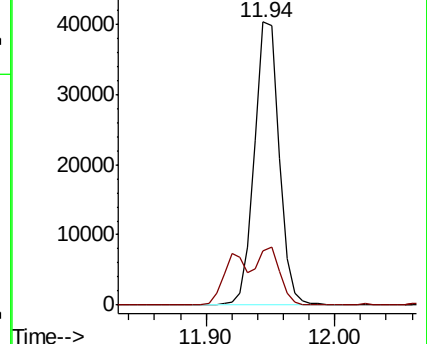
105 100

134 19.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 5.725 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005526.D

Acq: 23 Oct 2018 17:34

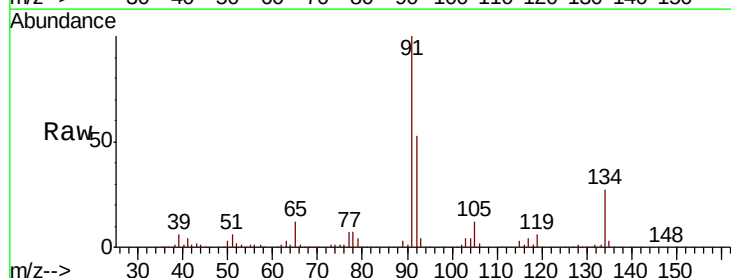
Tgt Ion: 91 Resp: 42102

Ion Ratio Lower Upper

91 100

92 41.7 27.3 81.9

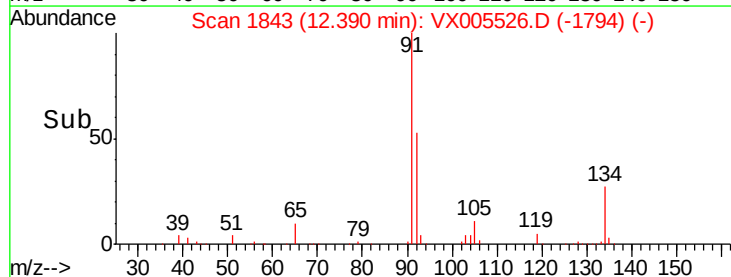
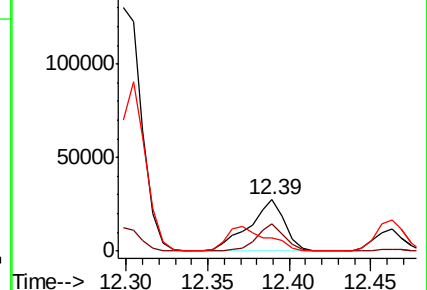
134 55.4 13.6 40.7#

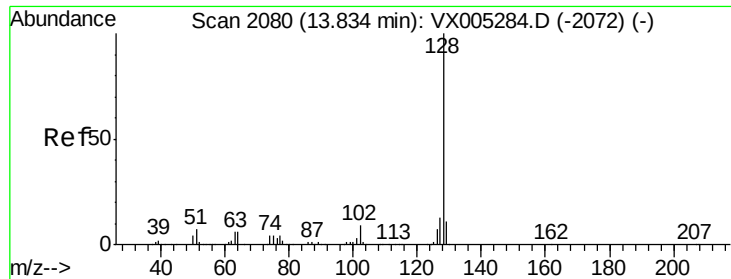


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 1.319 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005526.D
Acq: 23 Oct 2018 17:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.9	10.2	15.2#
129	16.7	8.6	12.8#

