

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006805.D
 Acq On : 24 Dec 2018 19:44
 Operator : JC/MD
 Sample : J6533-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

Quant Time: Dec 25 04:22:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	714520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1051292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	953108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	468978	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	355042	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.50	113	305893	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
50) Toluene-d8	8.71	98	1235904	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	441170	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

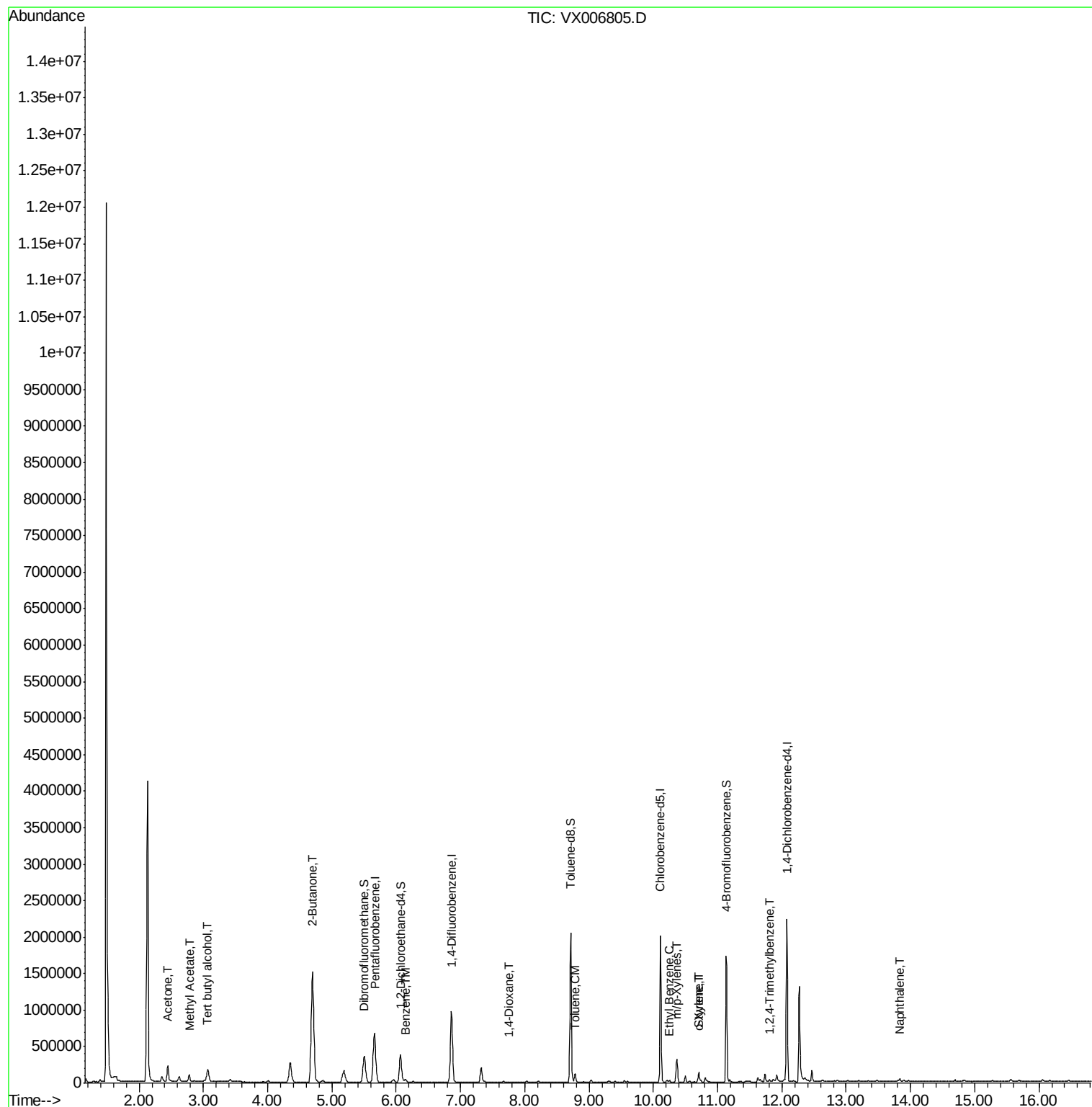
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	228833	133.150	ug/l	98
16) Acetone	2.45	43	231518	65.438	ug/l	99
18) Methyl Acetate	2.78	43	111551	10.723	ug/l	100
25) 2-Butanone	4.70	43	2679124	538.343	ug/l	98
40) Benzene	6.14	78	49313	1.863	ug/l	96
49) 1,4-Dioxane	7.75	88	3759	0.621	ug/l	90
52) Toluene	8.79	92	43044	2.517	ug/l	98
67) Ethyl Benzene	10.25	91	12836	0.390	ug/l	98
68) m/p-Xylenes	10.35	106	29893	2.299	ug/l	99
69) o-Xylene	10.69	106	9246	0.720	ug/l	99
70) Styrene	10.71	104	50574	2.490	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	15269	0.549	ug/l	73
95) Naphthalene	13.83	128	20276	0.589	ug/l #	92

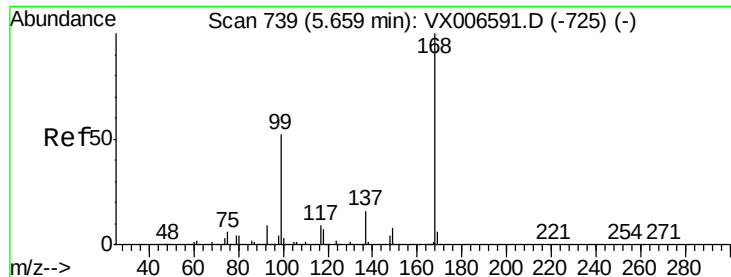
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

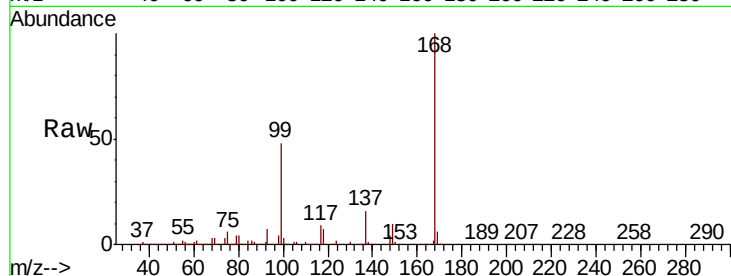
COMP-5

Tot Ion:168 Resp: 714520

Ion Ratio Lower Upper

168 100

99 48.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

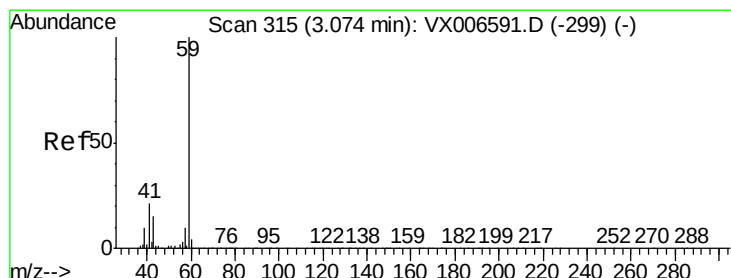
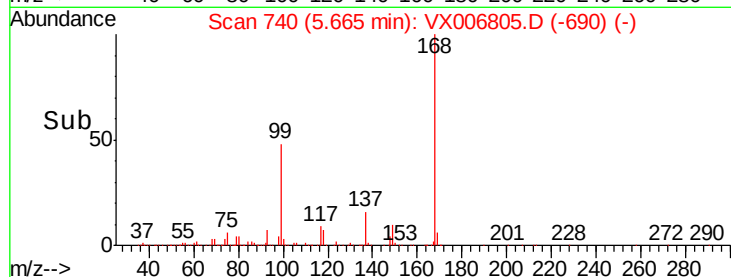
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 133.150 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006805.D

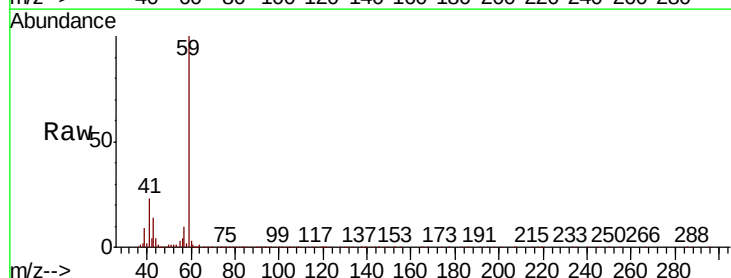
Acq: 24 Dec 2018 19:44

Tgt Ion: 59 Resp: 228833

Ion Ratio Lower Upper

59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

100000

80000

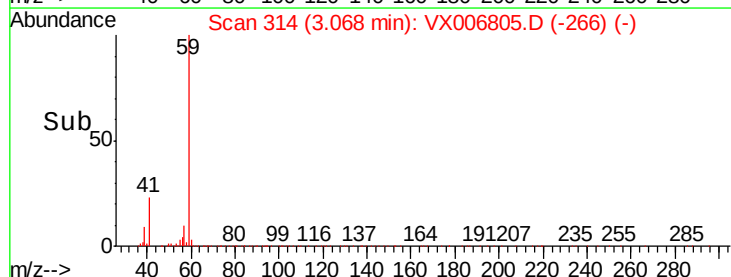
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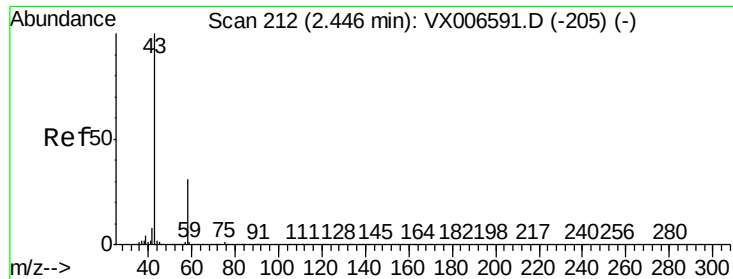
40000

20000

0

Time-->

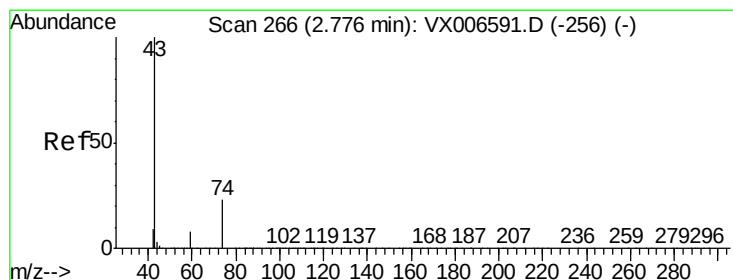
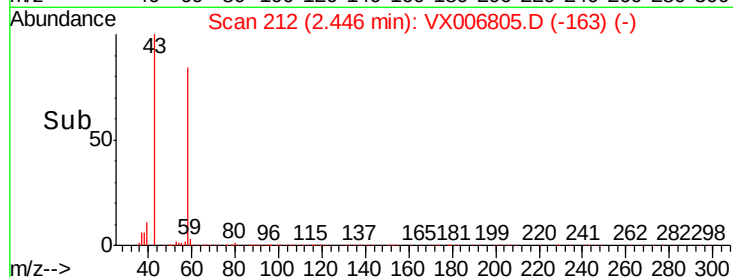
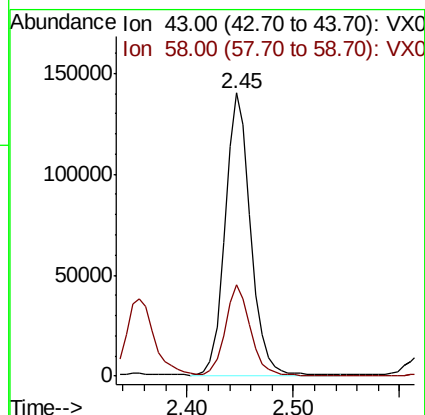
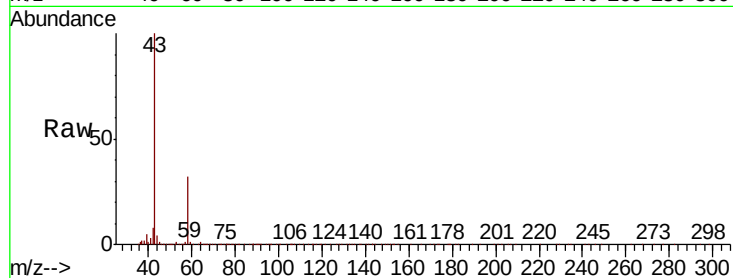




#16
Acetone
Concen: 65.438 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

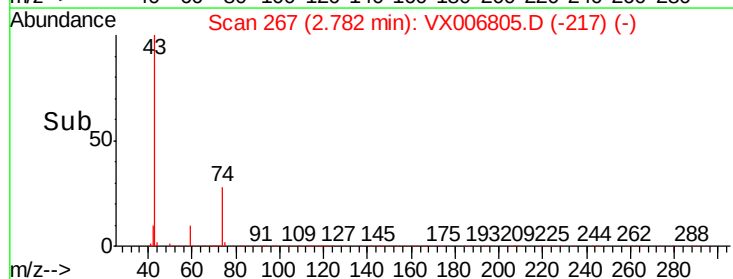
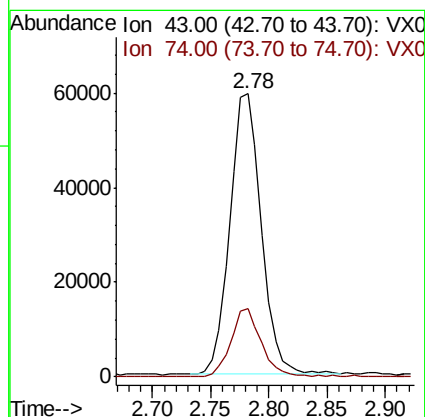
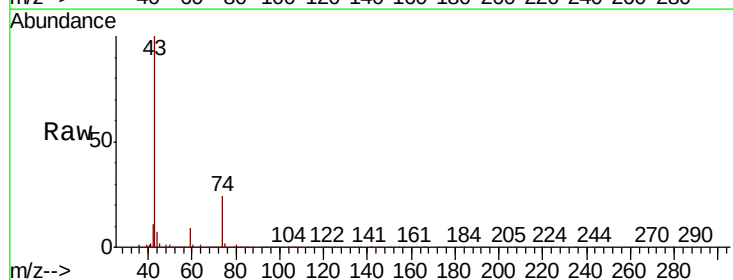
Instrument :
MSVOA_X
ClientSampled :
COMP-5

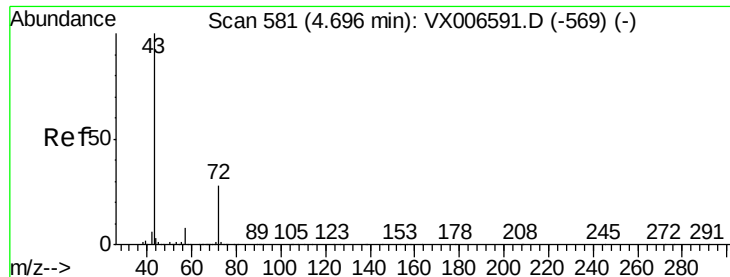
Tot Ion: 43 Resp: 231518
Ion Ratio Lower Upper
43 100
58 32.1 25.0 37.6



#18
Methyl Acetate
Concen: 10.723 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Tgt Ion: 43 Resp: 111551
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0

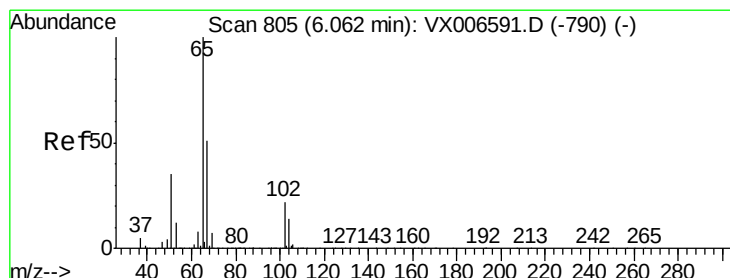
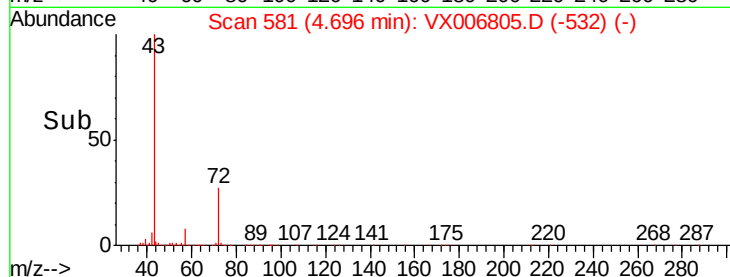
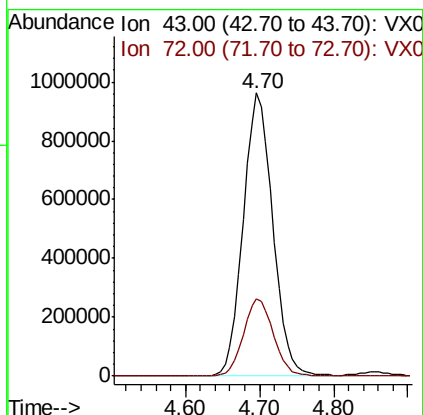
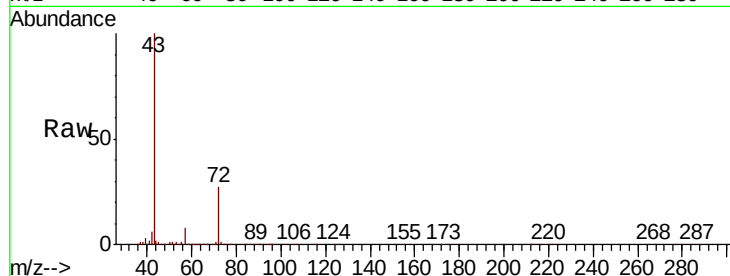




#25
2-Butanone
Concen: 538.343 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

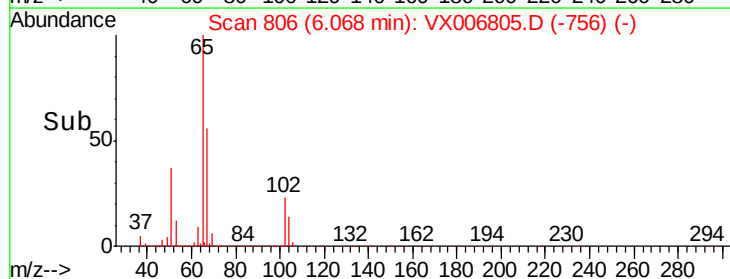
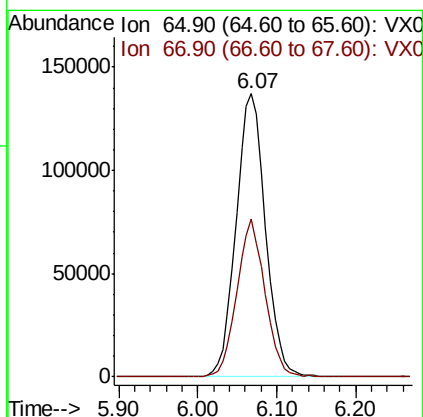
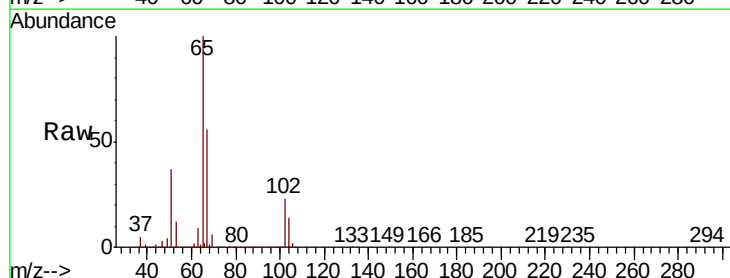
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

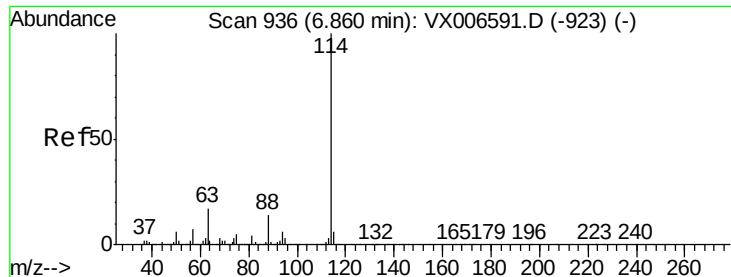
Tot Ion: 43 Resp: 2679124
Ion Ratio Lower Upper
43 100
72 27.2 22.4 33.6



#33
1,2-Dichloroethane-d4
Concen: 46.105 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Tgt Ion: 65 Resp: 355042
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

COMP-5

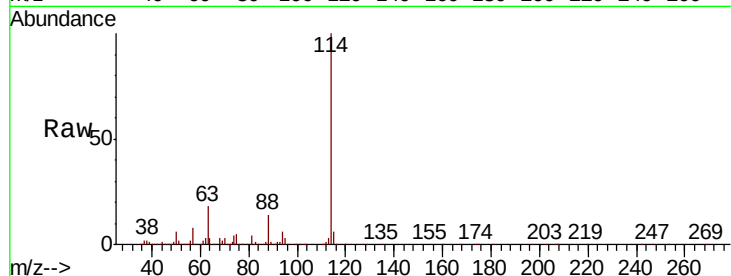
Tot Ion:114 Resp: 1051292

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

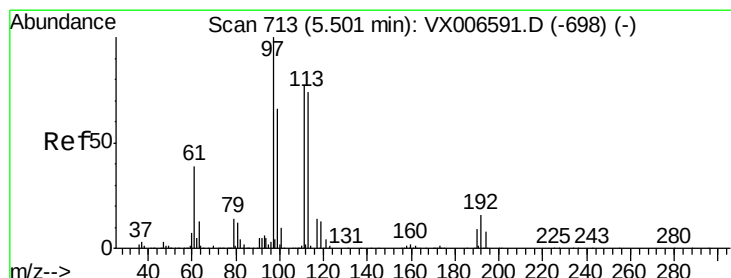
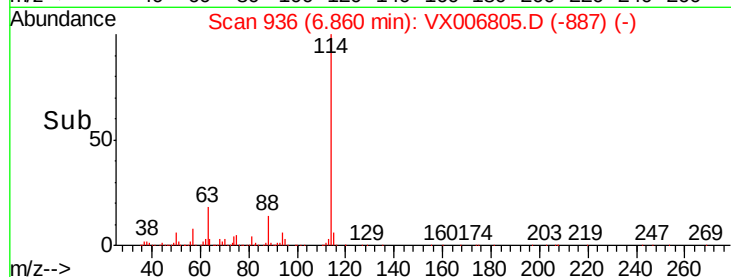
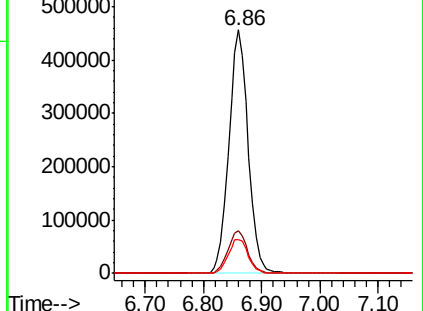
88 13.9 0.0 28.8



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: 46.012 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

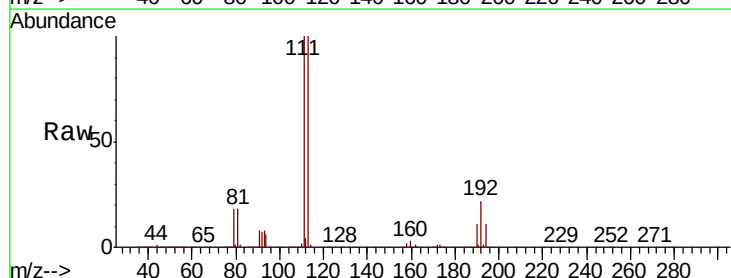
Tgt Ion:113 Resp: 305893

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

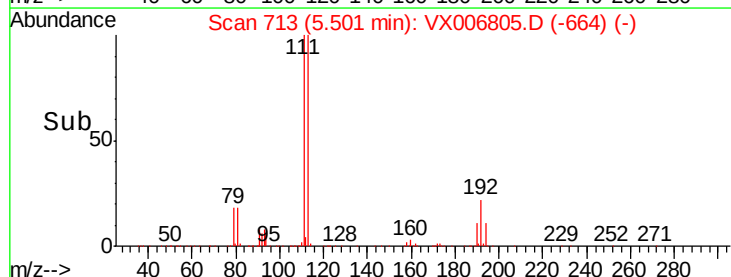
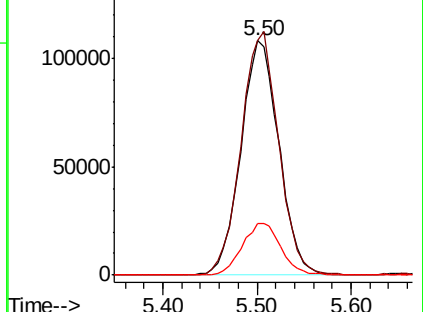
192 22.5 16.7 25.1

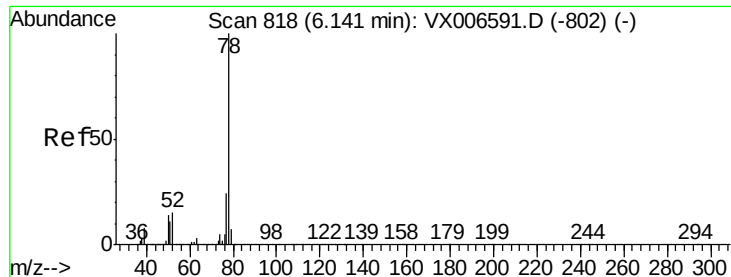


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.863 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

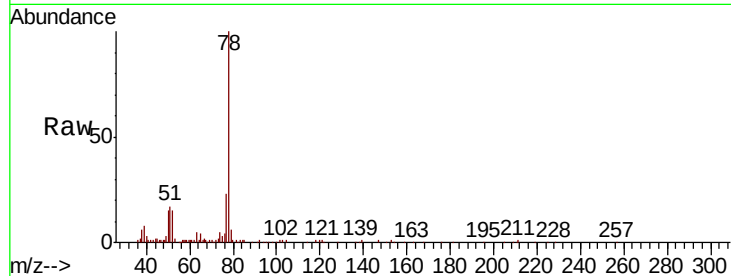
COMP-5

Tot Ion: 78 Resp: 49313

Ion Ratio Lower Upper

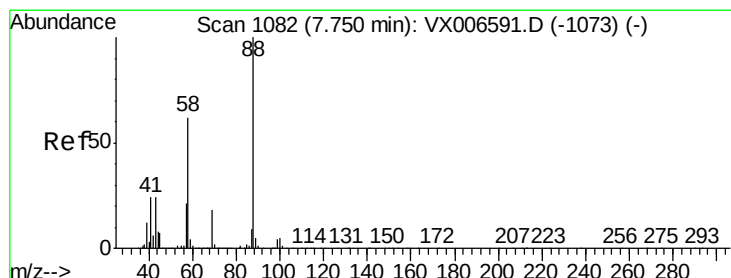
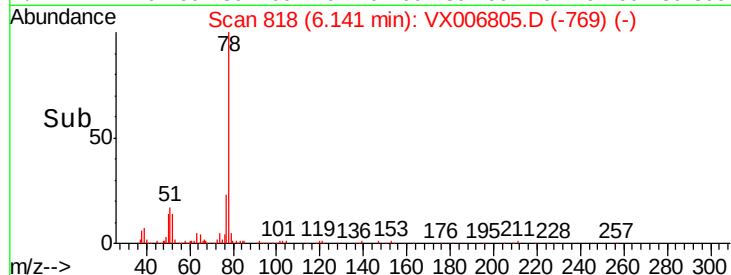
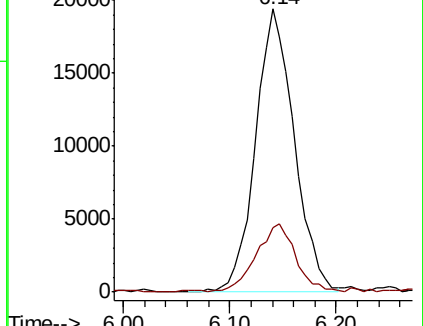
78 100

77 22.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 0.621 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

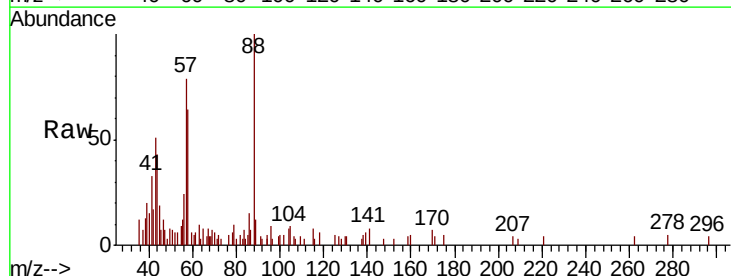
Tgt Ion: 88 Resp: 3759

Ion Ratio Lower Upper

88 100

43 29.0 22.2 33.4

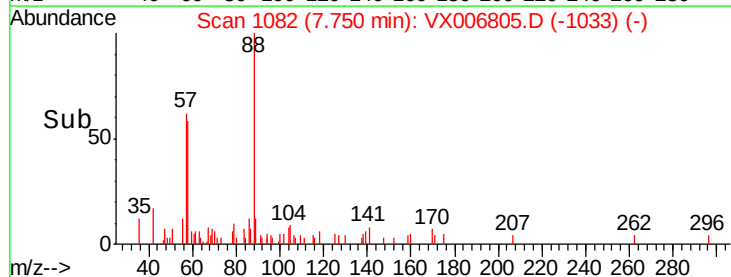
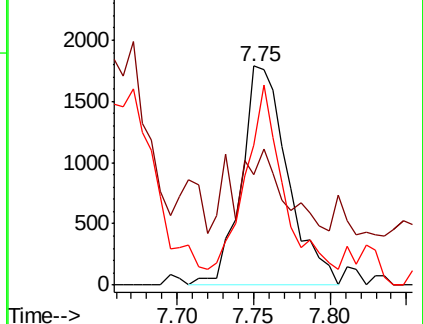
58 74.4 51.0 76.4

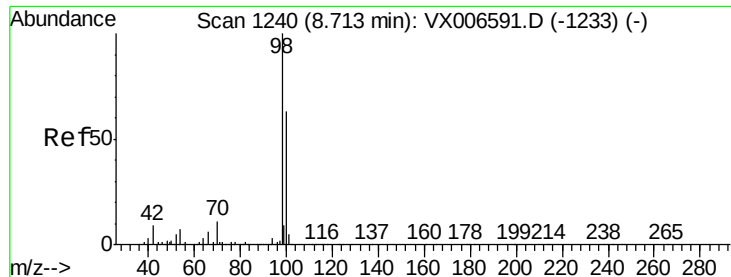


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

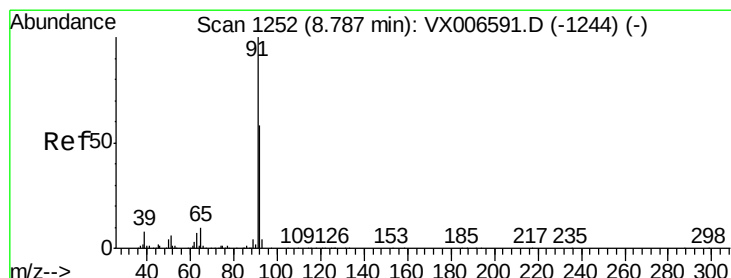
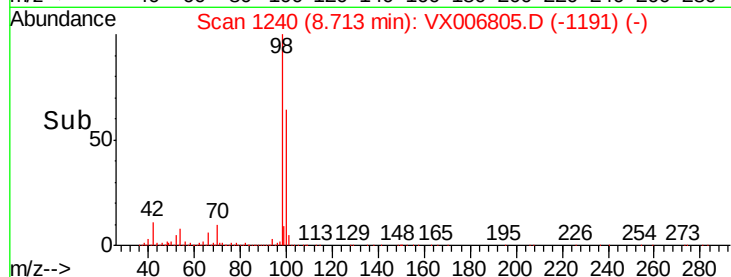
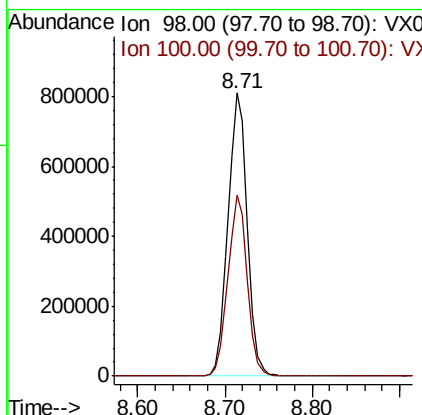
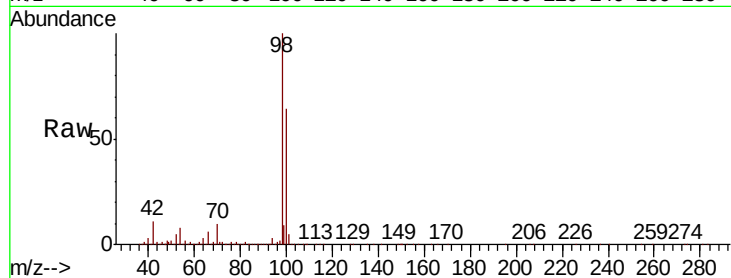




#50
Toluene-d8
Concen: 49.310 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

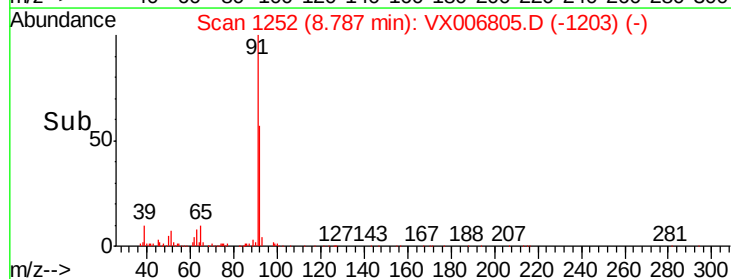
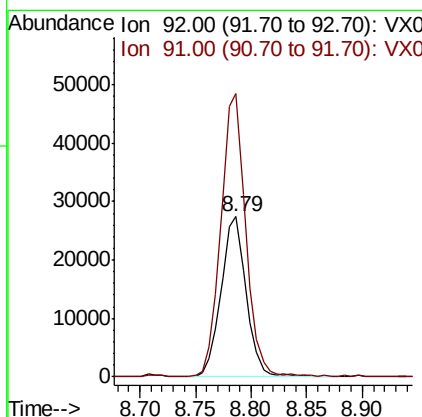
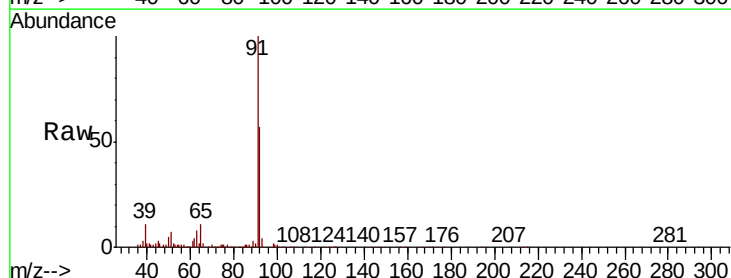
Instrument :
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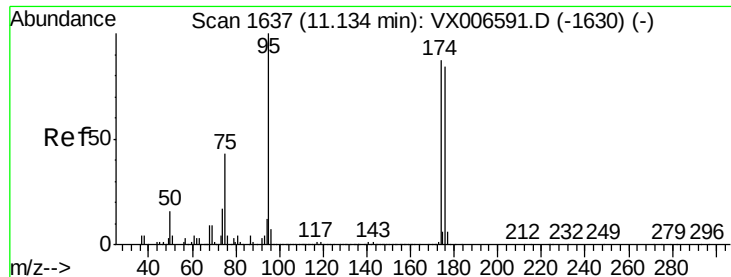
Tot Ion: 98 Resp: 1235904
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#52
Toluene
Concen: 2.517 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Tgt Ion: 92 Resp: 43044
Ion Ratio Lower Upper
92 100
91 174.7 137.6 206.4

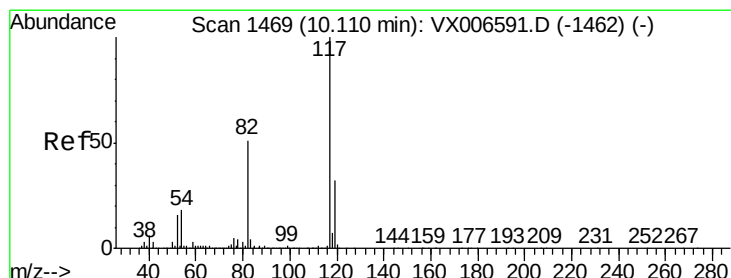
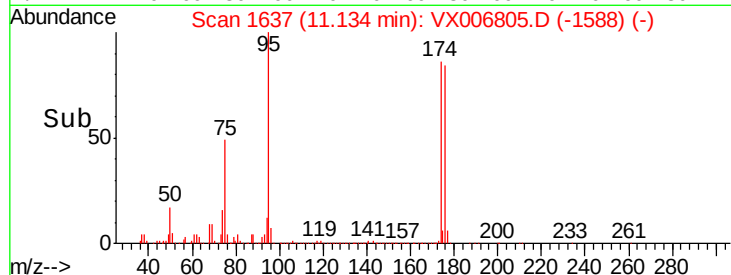
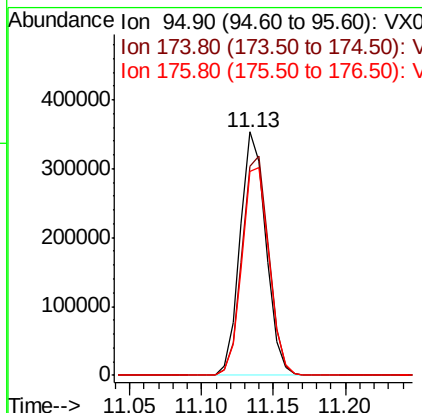
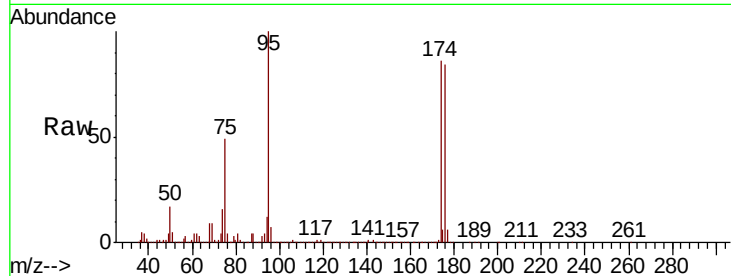




#62
4-Bromofluorobenzene
Concen: 48.061 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

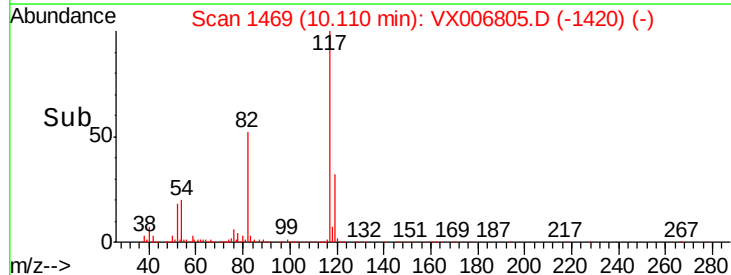
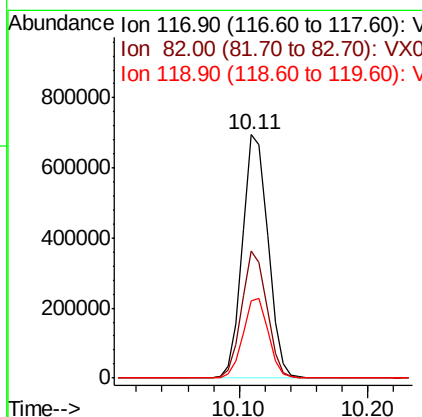
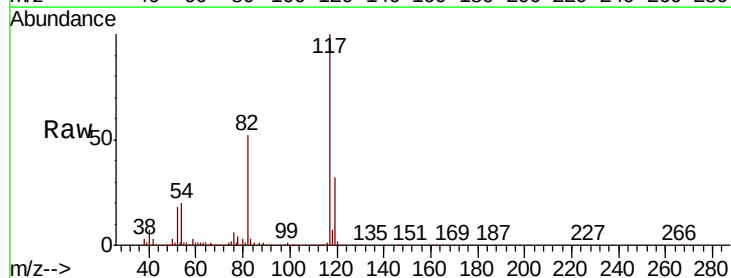
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

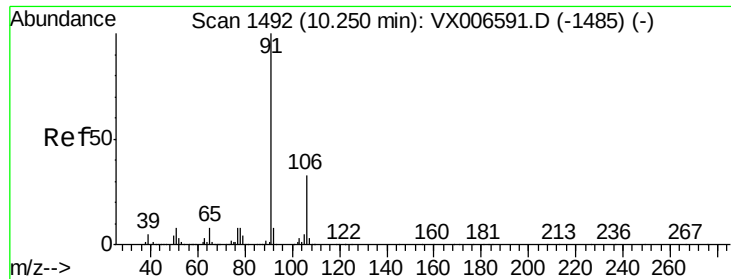
Tot Ion: 95 Resp: 441170
Ion Ratio Lower Upper
95 100
174 93.4 0.0 182.2
176 89.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Tgt Ion: 117 Resp: 953108
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 31.6 25.4 38.0





#67

Ethyl Benzene

Concen: 0.390 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006805.D

Acq: 24 Dec 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

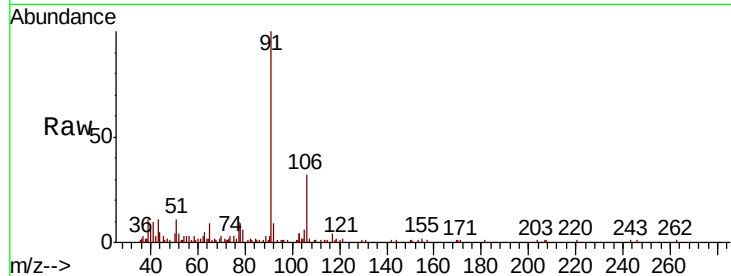
COMP-5

Tot Ion: 91 Resp: 12836

Ion Ratio Lower Upper

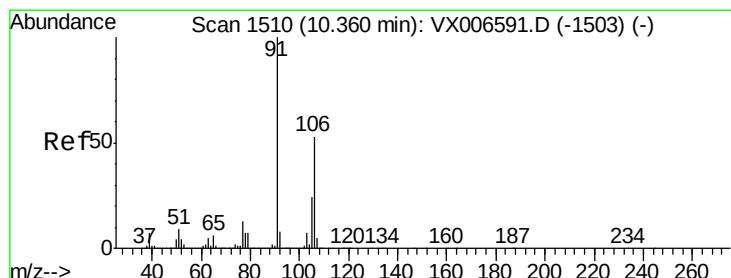
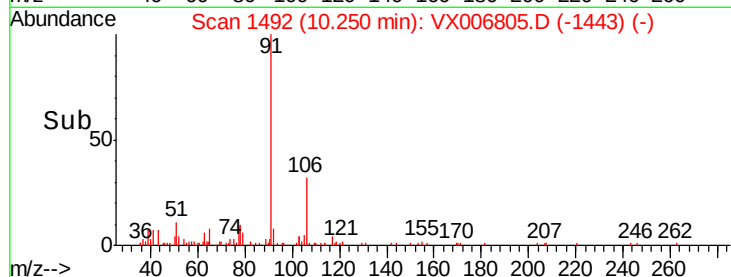
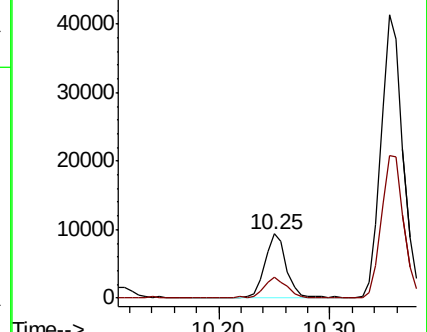
91 100

106 32.0 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 2.299 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006805.D

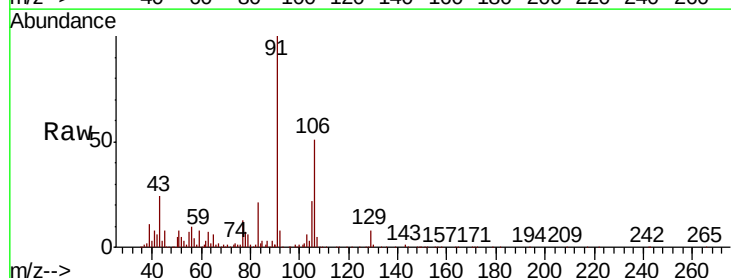
Acq: 24 Dec 2018 19:44

Tgt Ion: 106 Resp: 29893

Ion Ratio Lower Upper

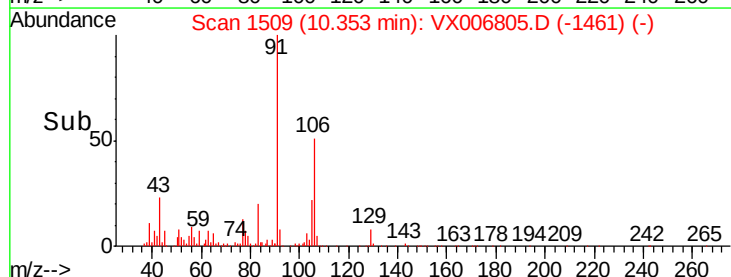
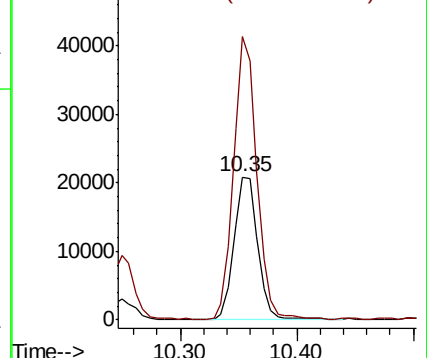
106 100

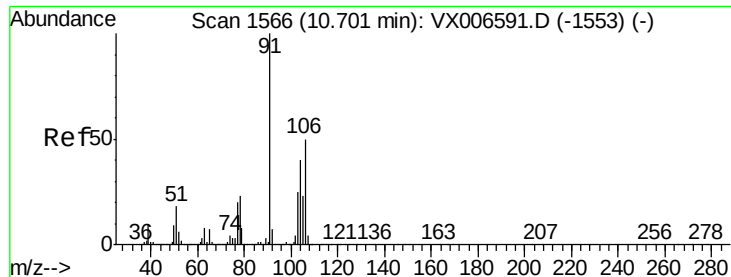
91 192.9 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX006591.D (-1503) (-)

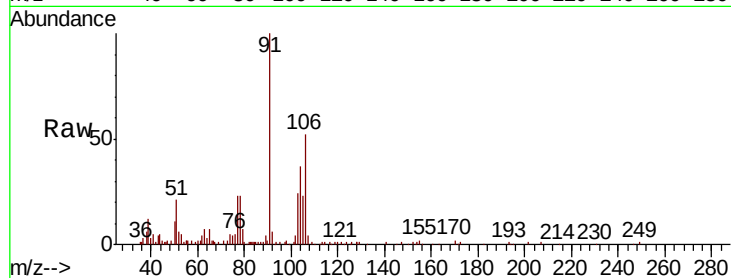




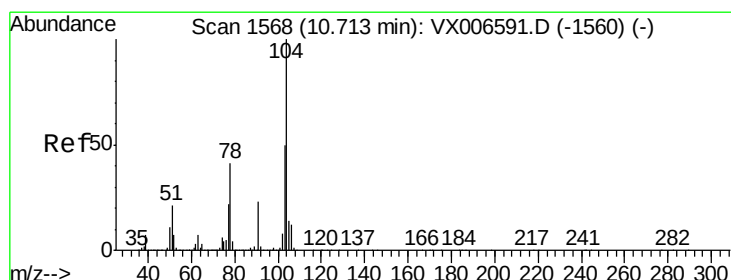
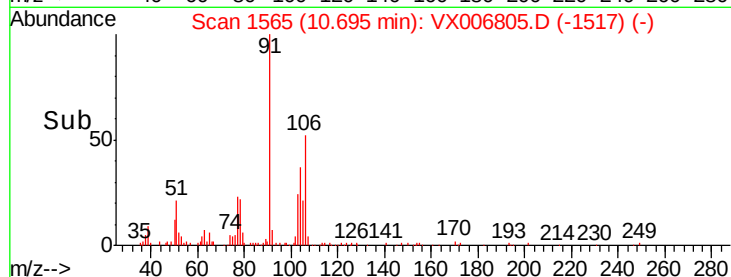
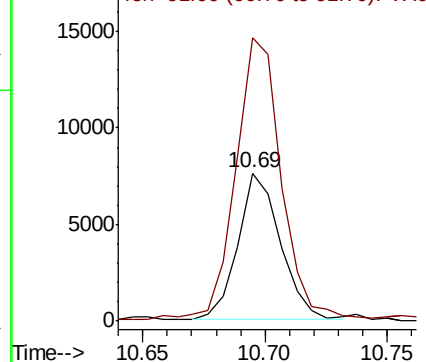
#69
o-Xylene
Concen: 0.720 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
COMP-5

Tot Ion:106 Resp: 9246
Ion Ratio Lower Upper
106 100
91 203.4 101.3 303.7

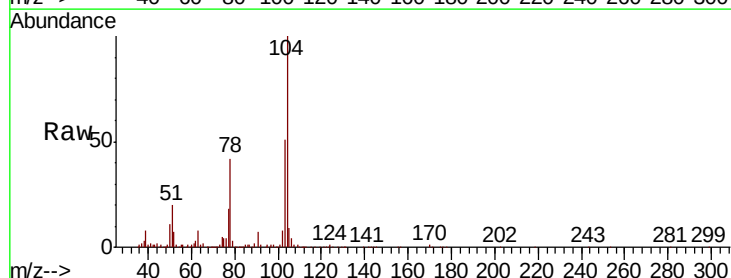


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

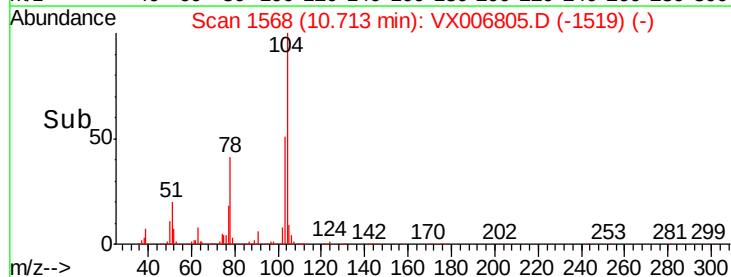
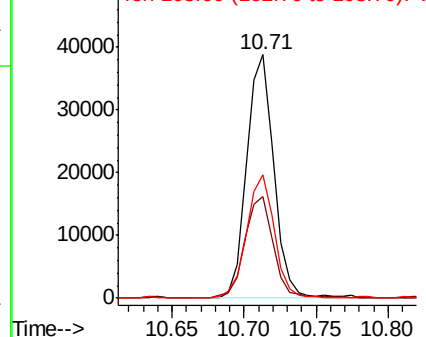


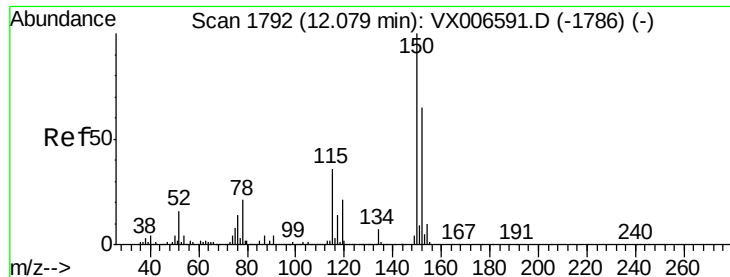
#70
Styrene
Concen: 2.490 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Tgt Ion:104 Resp: 50574
Ion Ratio Lower Upper
104 100
78 43.7 37.7 56.5
103 51.6 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

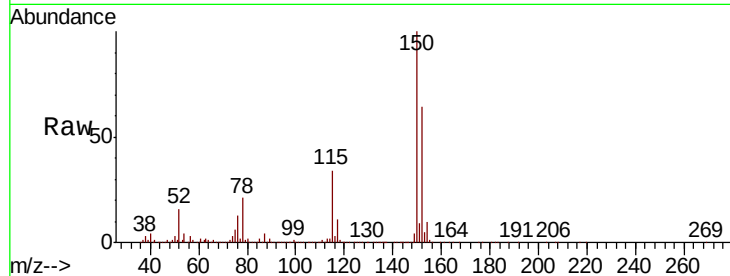




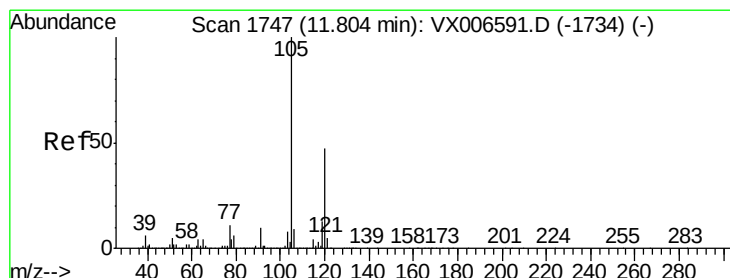
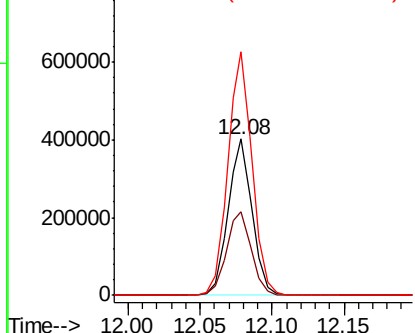
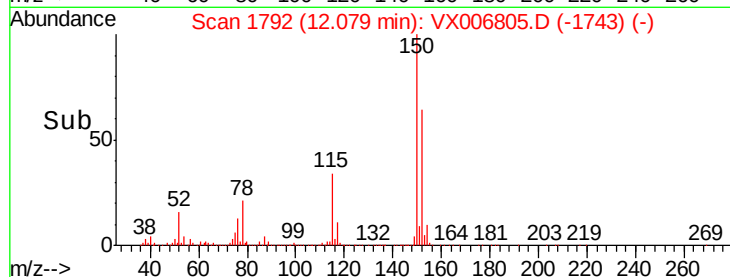
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX006805.D
 Acq: 24 Dec 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

Tot Ion:152 Resp: 468978
 Ion Ratio Lower Upper
 152 100
 115 55.4 39.1 117.2
 150 157.3 0.0 344.8

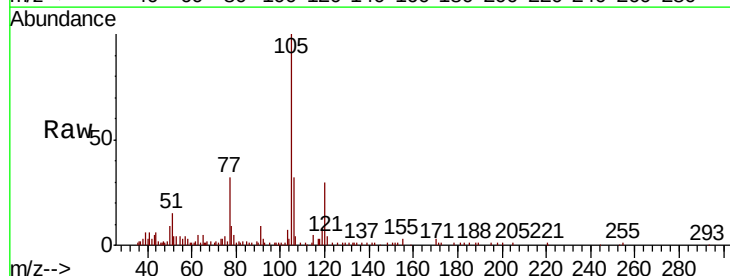


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

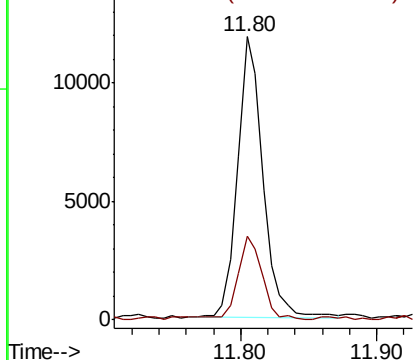
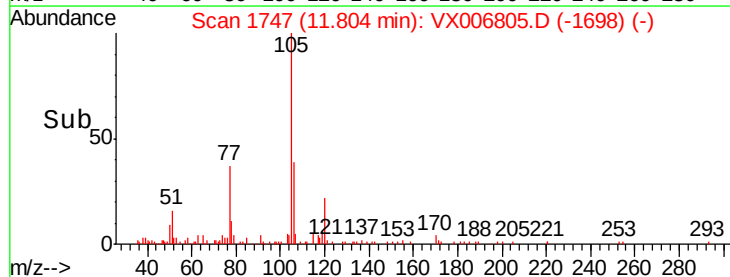


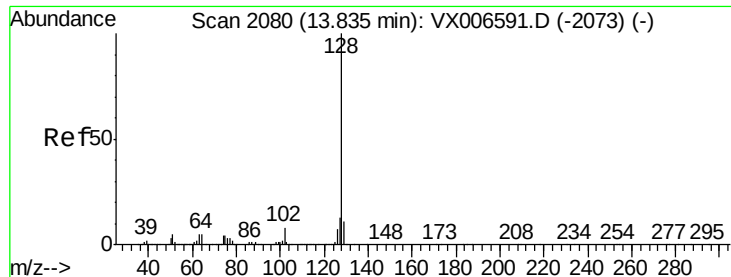
#84
 1,2,4-Trimethylbenzene
 Concen: 0.549 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006805.D
 Acq: 24 Dec 2018 19:44

Tgt Ion:105 Resp: 15269
 Ion Ratio Lower Upper
 105 100
 120 28.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 0.589 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006805.D
Acq: 24 Dec 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
COMP-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.1	15.1#
129	13.6	8.6	13.0#

