

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073019\
 Data File : VX011212.D
 Acq On : 30 Jul 2019 21:57
 Operator : JC/SP
 Sample : K4024-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8

Quant Time: Jul 31 09:28:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	108859	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.50	113	94912	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
50) Toluene-d8	8.71	98	374116	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	129418	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

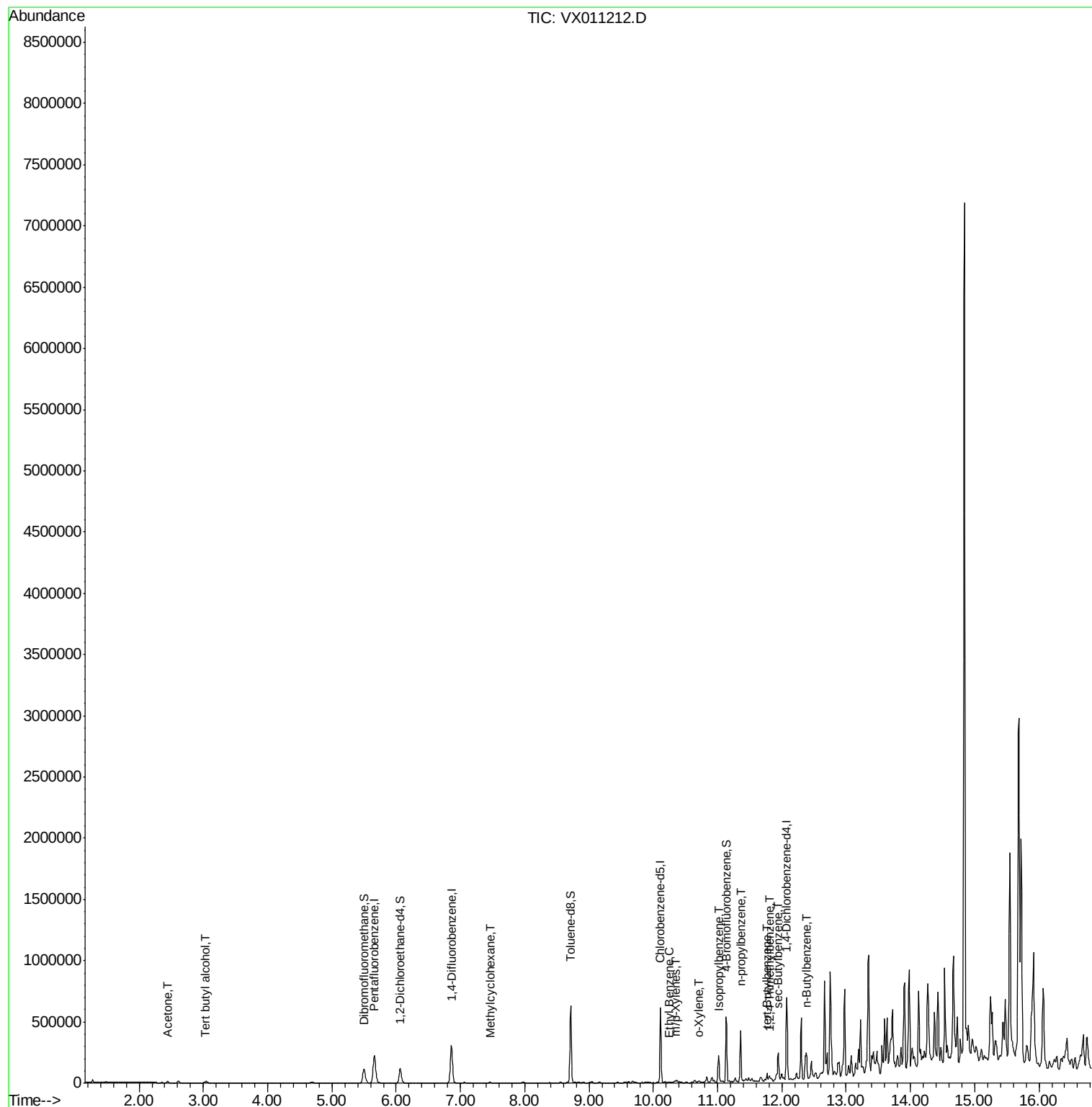
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	15880	28.526	ug/l	99
16) Acetone	2.44	43	10855	10.055	ug/l	94
39) Methylcyclohexane	7.46	83	1305	0.382	ug/l #	87
67) Ethyl Benzene	10.25	91	2123	0.213	ug/l #	88
68) m/p-Xylenes	10.36	106	1947	0.508	ug/l	96
69) o-Xylene	10.69	106	2392	0.640	ug/l	97
73) Isopropylbenzene	11.02	105	112590	11.443	ug/l	99
78) n-propylbenzene	11.36	91	258454	23.773	ug/l	99
83) tert-Butylbenzene	11.77	119	5377	0.666	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	9707	1.171	ug/l	95
85) sec-Butylbenzene	11.94	105	98194	10.377	ug/l	87
89) n-Butylbenzene	12.38	91	87664	11.713	ug/l	86

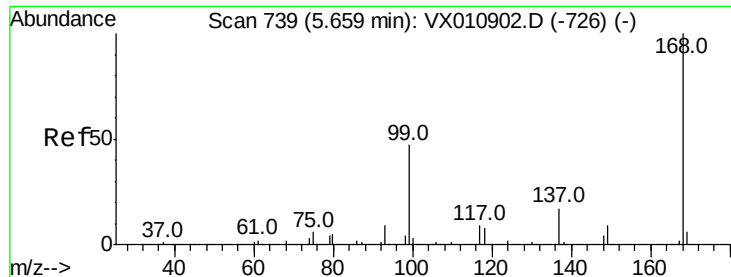
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
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: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampled :

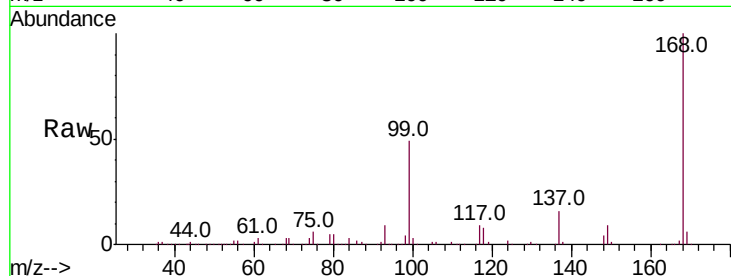
TP-8

Tot Ion:168 Resp: 224688

Ion Ratio Lower Upper

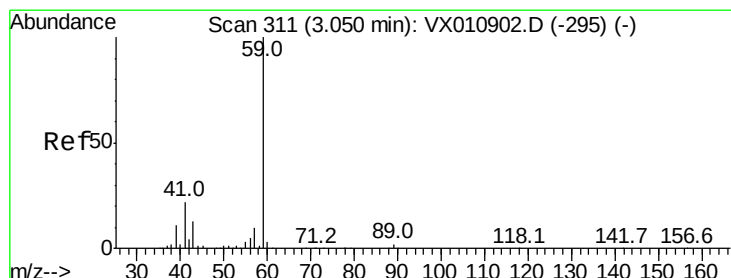
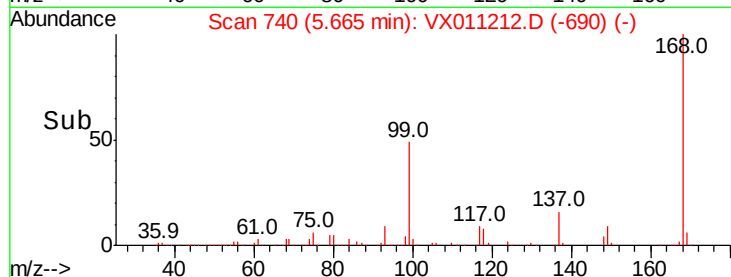
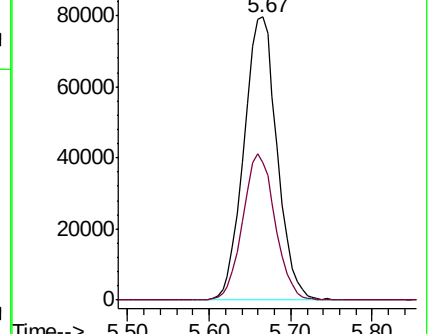
168 100

99 48.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 28.526 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX011212.D

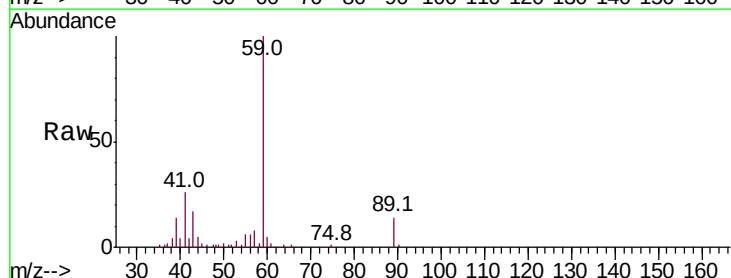
Acq: 30 Jul 2019 21:57

Tgt Ion: 59 Resp: 15880

Ion Ratio Lower Upper

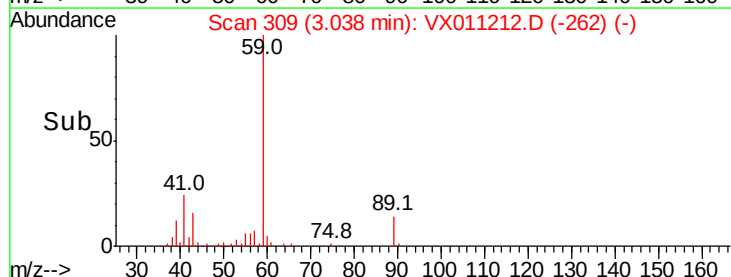
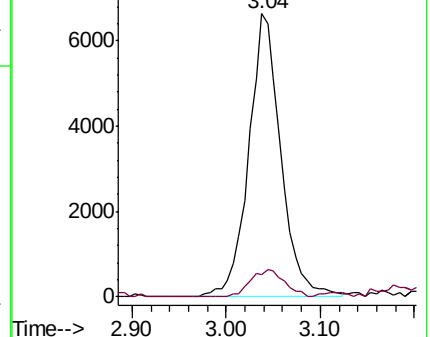
59 100

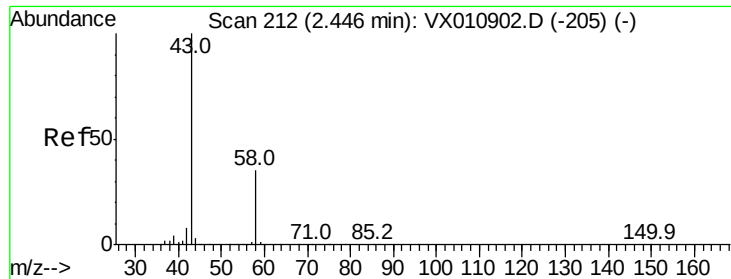
57 10.2 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 10.055 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampled :

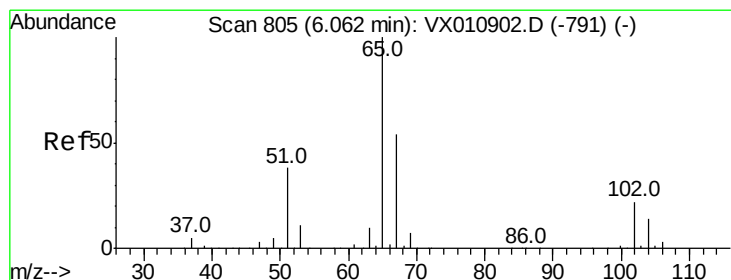
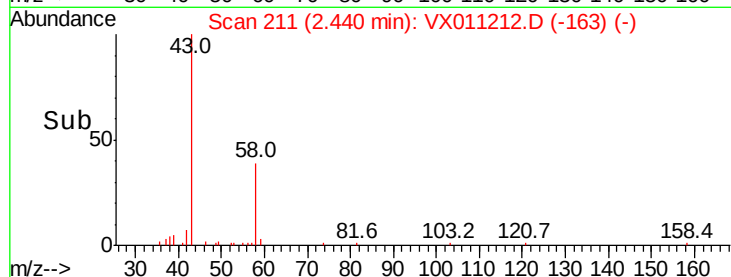
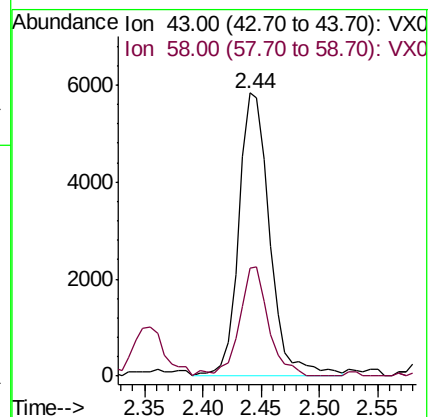
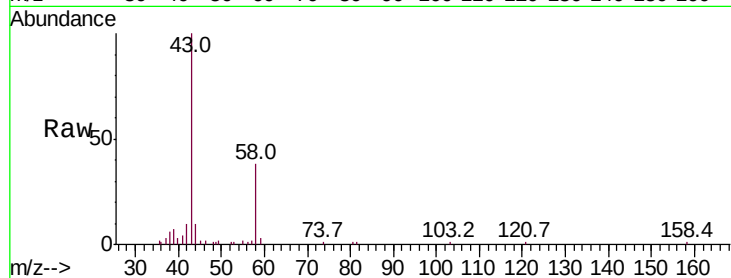
TP-8

Tot Ion: 43 Resp: 10855

Ion Ratio Lower Upper

43 100

58 38.2 27.7 41.5



#33

1,2-Dichloroethane-d4

Concen: 45.541 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011212.D

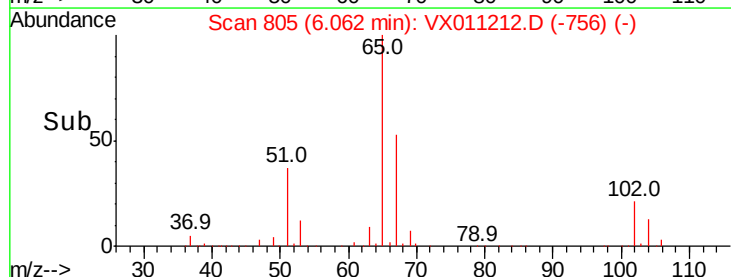
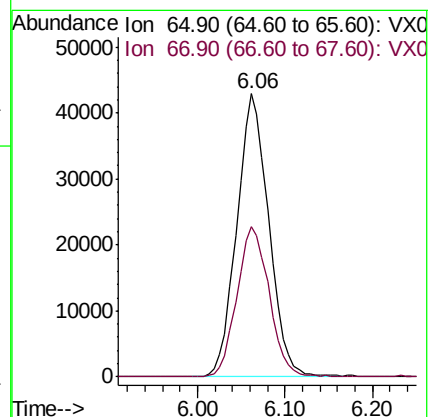
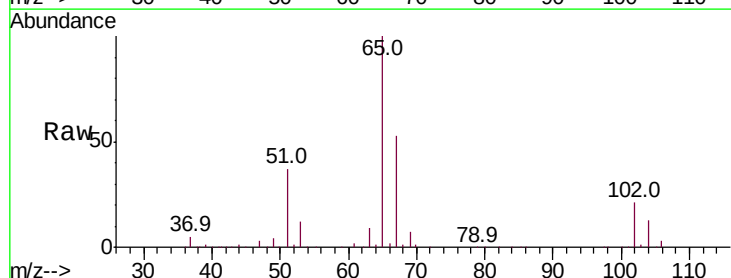
Acq: 30 Jul 2019 21:57

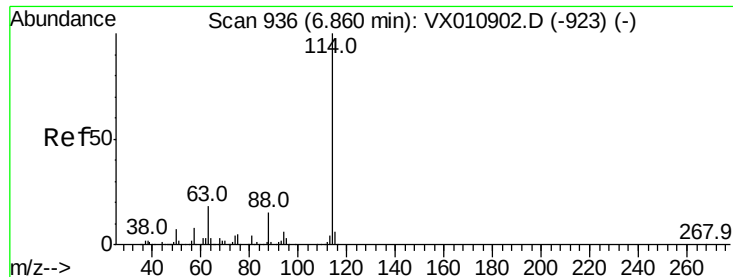
Tgt Ion: 65 Resp: 108859

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.8

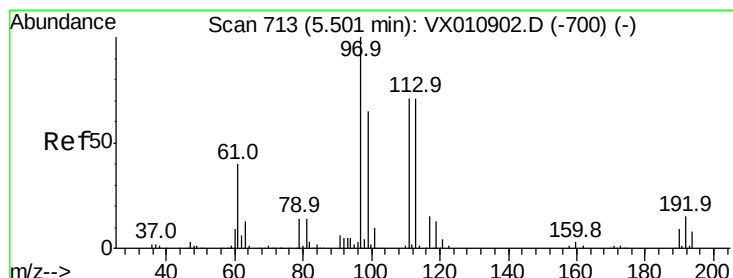
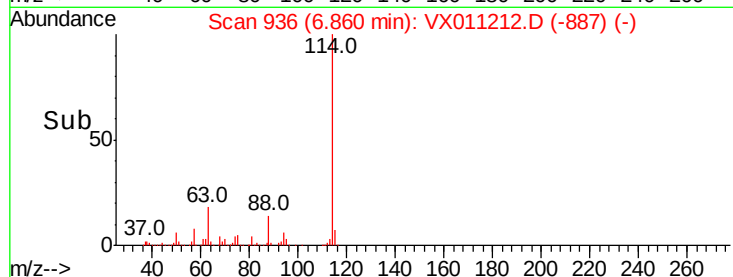
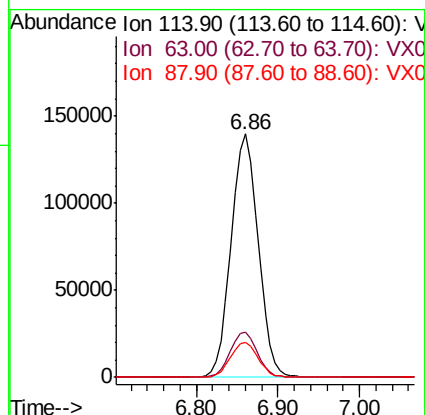
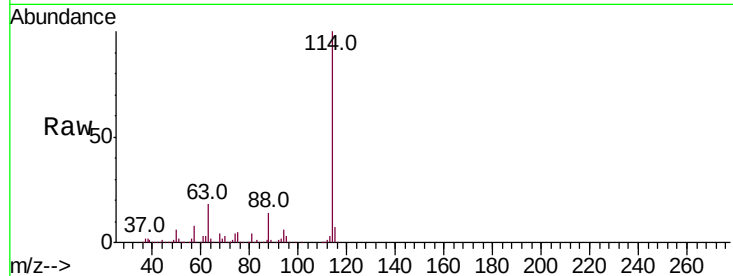




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011212.D
 Acq: 30 Jul 2019 21:57

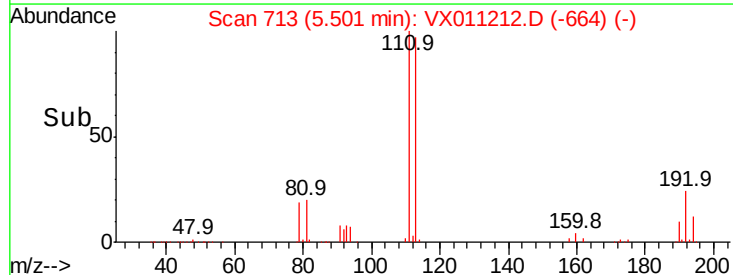
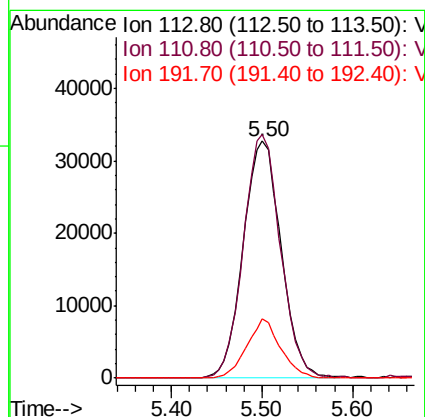
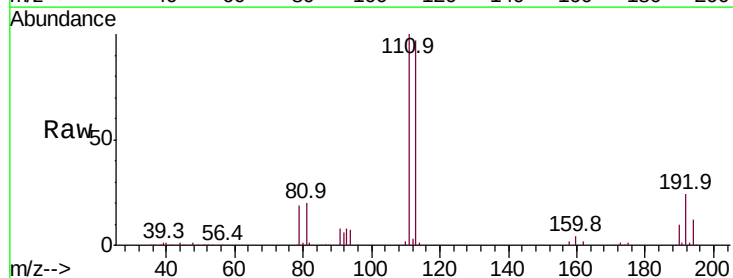
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8

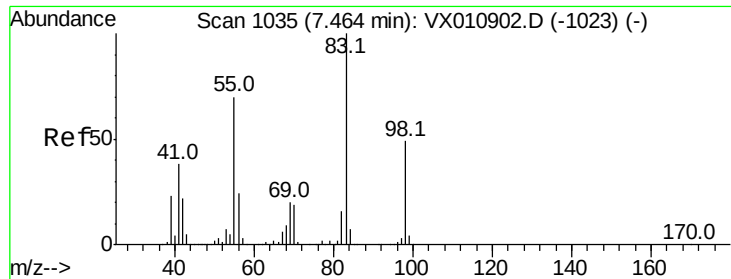
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	14.2	0.0	29.8



#35
 Dibromofluoromethane
 Concen: 46.644 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011212.D
 Acq: 30 Jul 2019 21:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.3	123.5
192	22.1	17.4	26.2

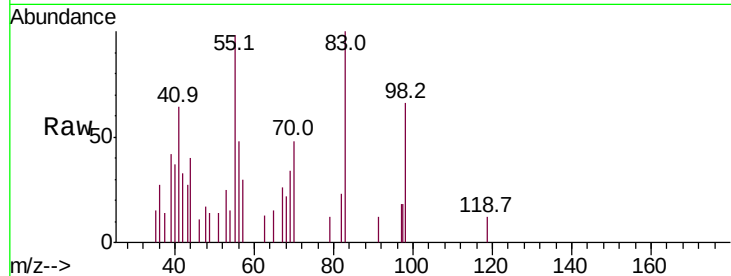




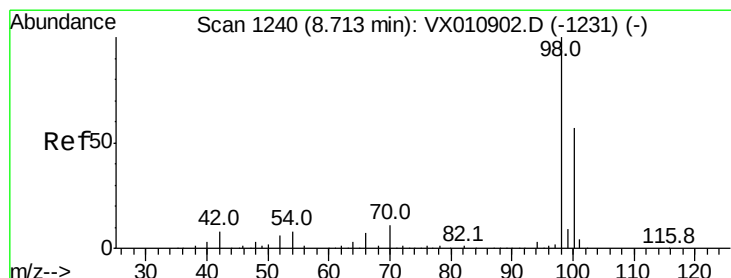
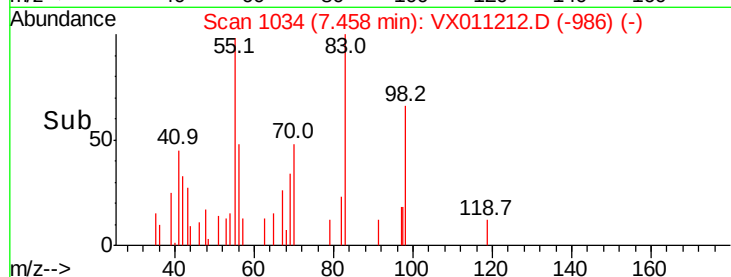
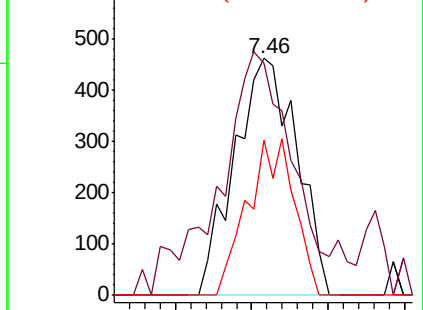
#39
Methvlcvclohexane
Concen: 0.382 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

Instrument :
MSVOA_X
ClientSampled :
TP-8

Tot Ion: 83 Resp: 1305
Ion Ratio Lower Upper
83 100
55 74.8 56.2 84.4
98 65.5 39.0 58.4#

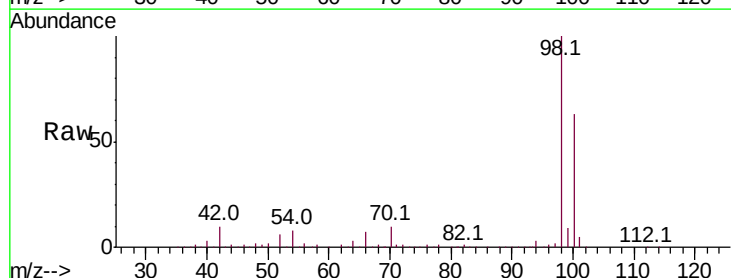


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

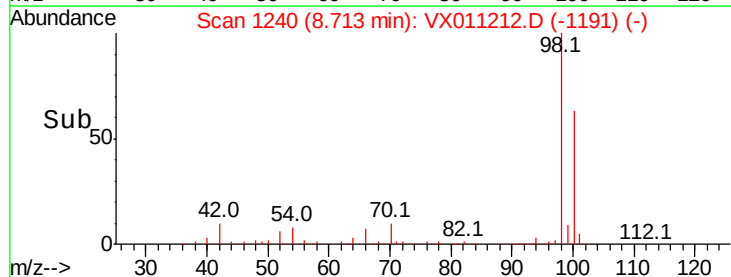
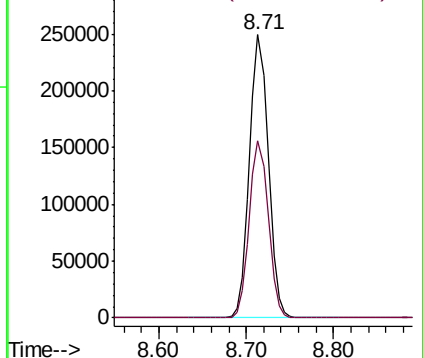


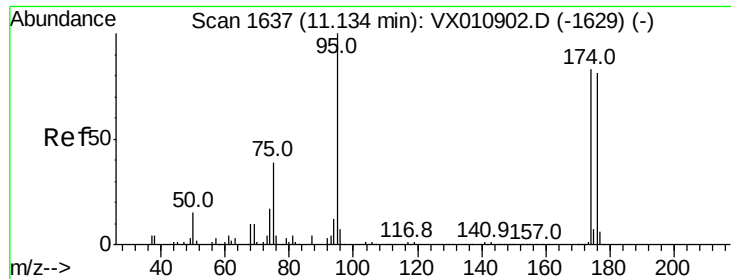
#50
Toluene-d8
Concen: 49.020 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

Tgt Ion: 98 Resp: 374116
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

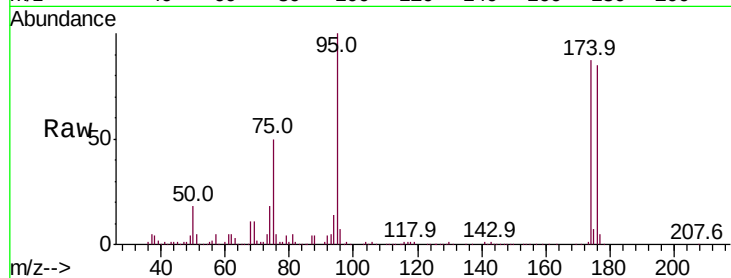




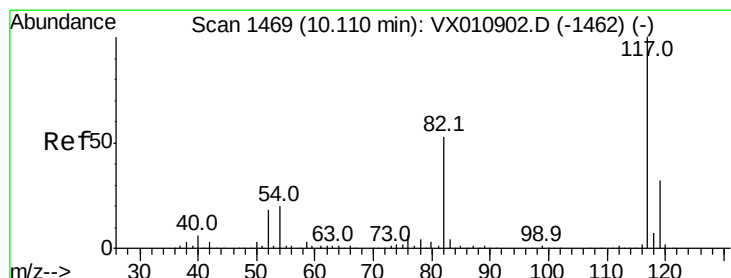
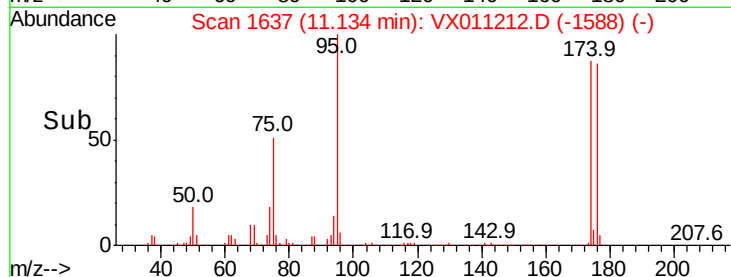
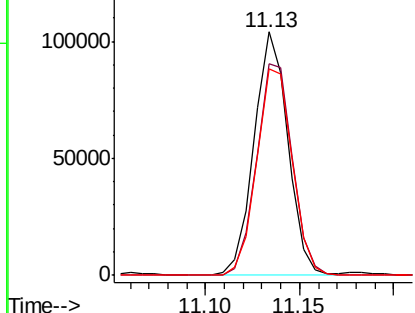
#62
4-Bromofluorobenzene
Concen: 46.134 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

Instrument :
MSVOA_X
ClientSampleId :
TP-8

Tot Ion: 95 Resp: 129418
Ion Ratio Lower Upper
95 100
174 92.1 0.0 180.6
176 89.7 0.0 173.8

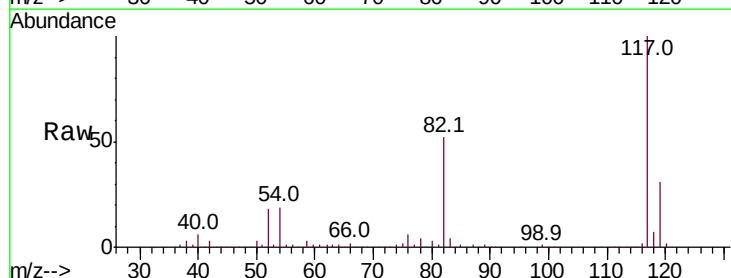


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

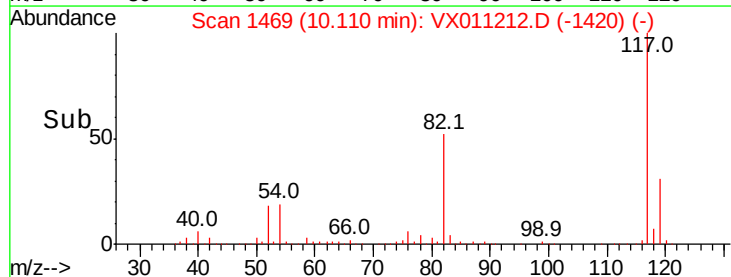
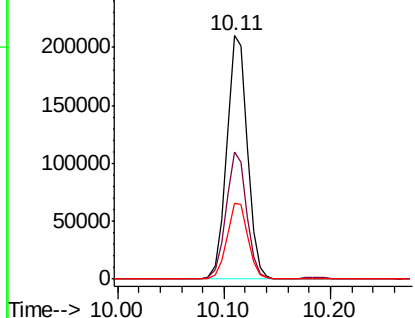


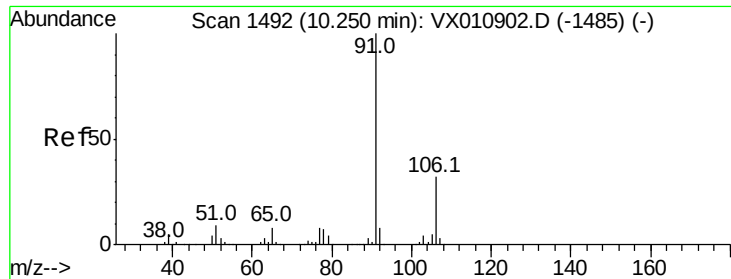
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

Tgt Ion: 117 Resp: 285658
Ion Ratio Lower Upper
117 100
82 52.0 42.6 63.8
119 31.3 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

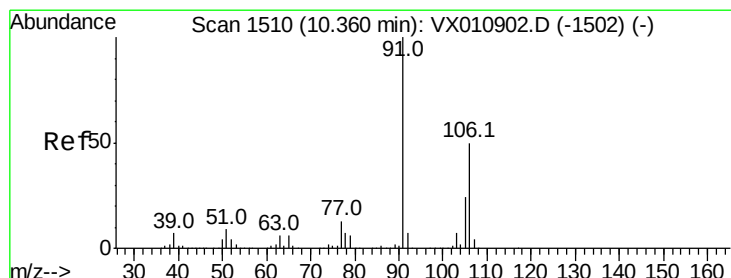
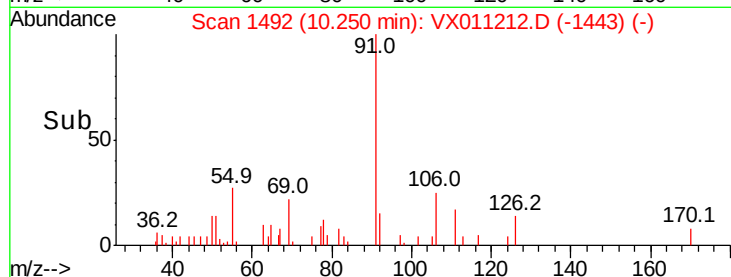
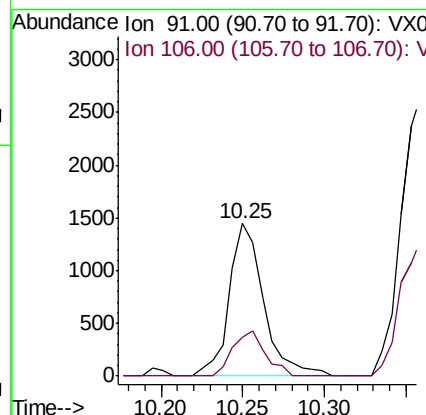
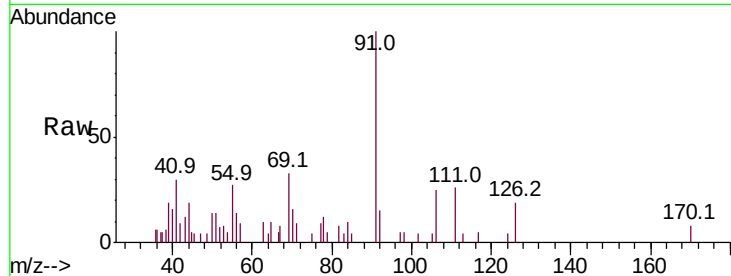




#67
Ethyl Benzene
Concen: 0.213 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

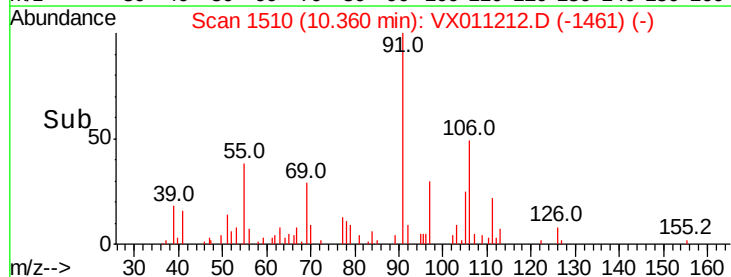
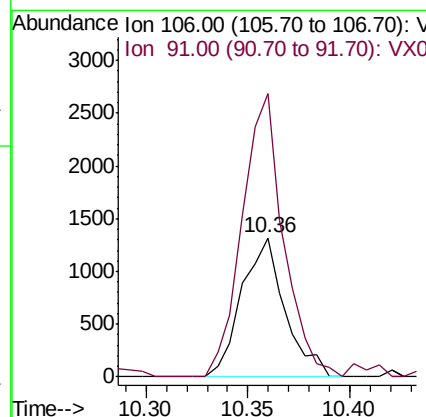
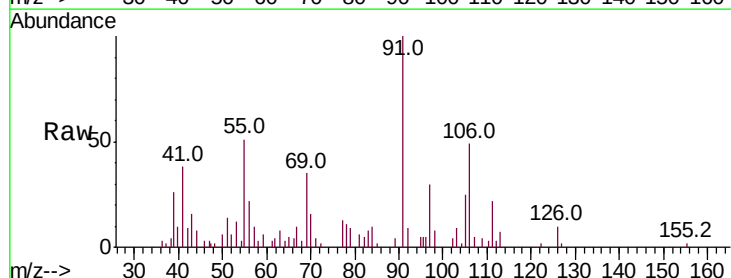
Instrument :
MSVOA_X
ClientSampled :
TP-8

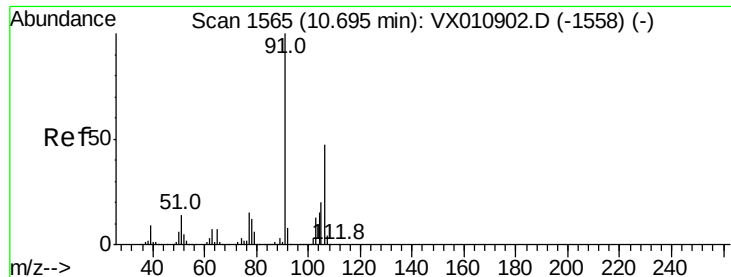
Tot Ion: 91 Resp: 2123
Ion Ratio Lower Upper
91 100
106 25.3 25.4 38.2#



#68
m/p-Xylenes
Concen: 0.508 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011212.D
Acq: 30 Jul 2019 21:57

Tgt Ion: 106 Resp: 1947
Ion Ratio Lower Upper
106 100
91 193.9 160.1 240.1





#69

o-Xylene

Concen: 0.640 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampleId :

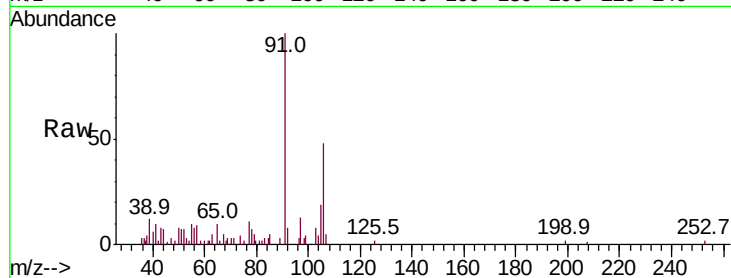
TP-8

Tot Ion:106 Resp: 2392

Ion Ratio Lower Upper

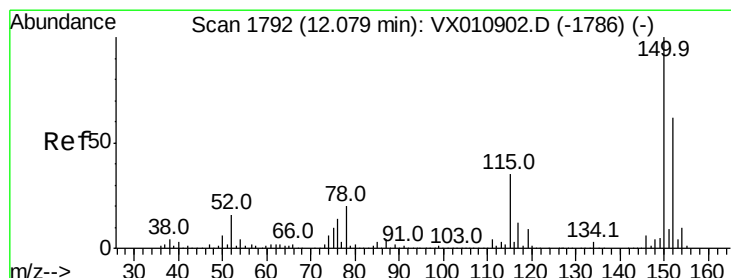
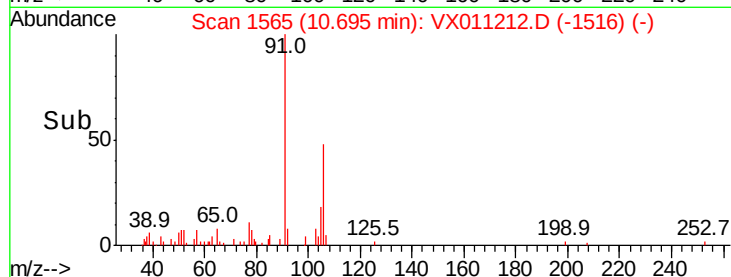
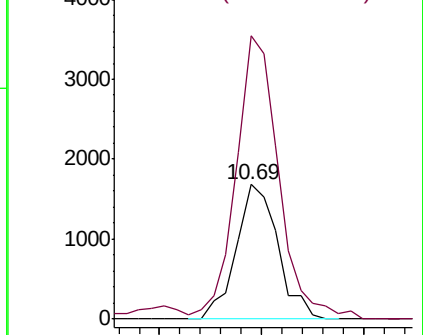
106 100

91 215.2 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

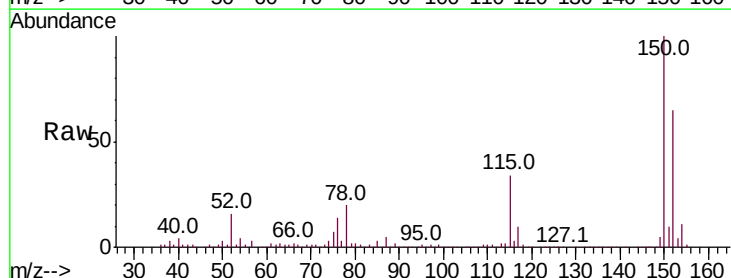
Tgt Ion:152 Resp: 145619

Ion Ratio Lower Upper

152 100

115 55.2 39.7 119.1

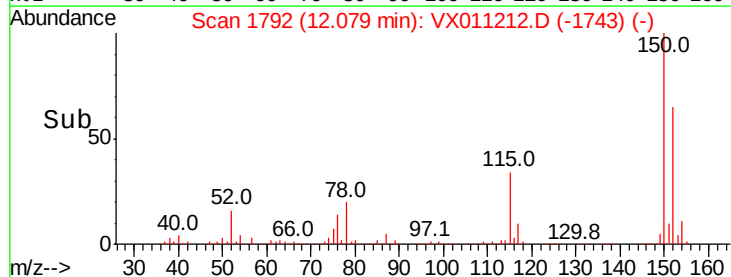
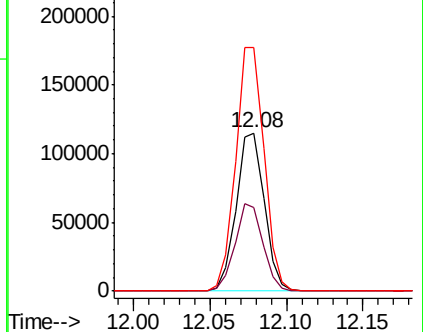
150 156.7 0.0 345.6

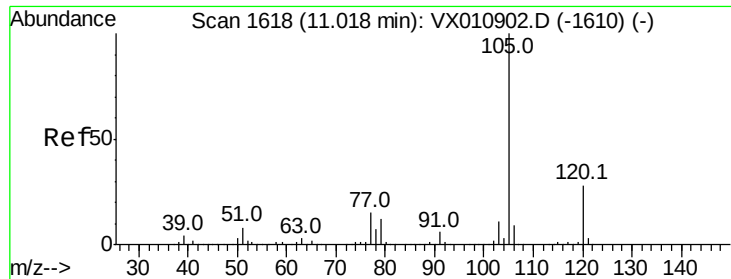


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.443 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampled :

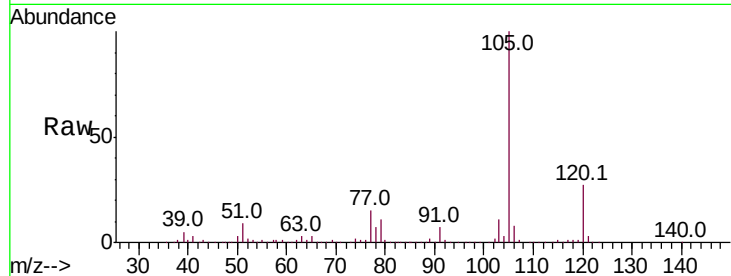
TP-8

Tot Ion:105 Resp: 112590

Ion Ratio Lower Upper

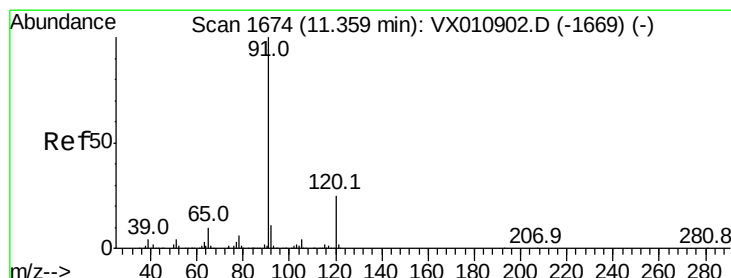
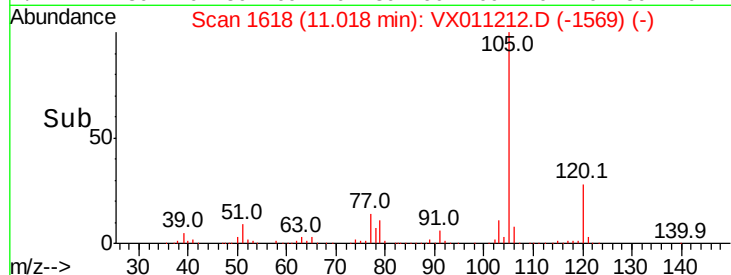
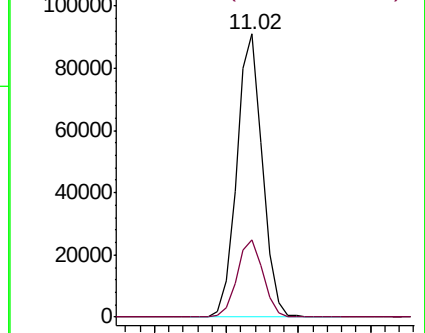
105 100

120 27.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 23.773 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011212.D

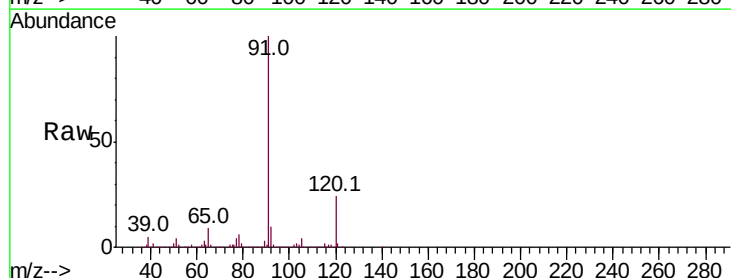
Acq: 30 Jul 2019 21:57

Tgt Ion: 91 Resp: 258454

Ion Ratio Lower Upper

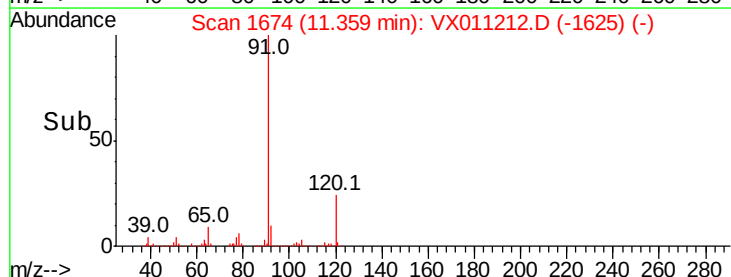
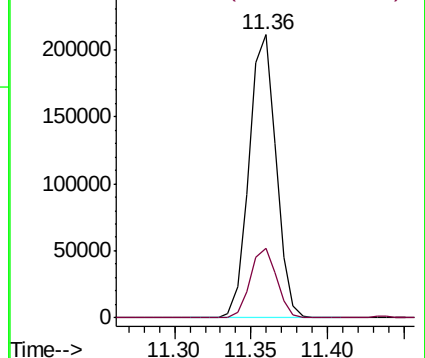
91 100

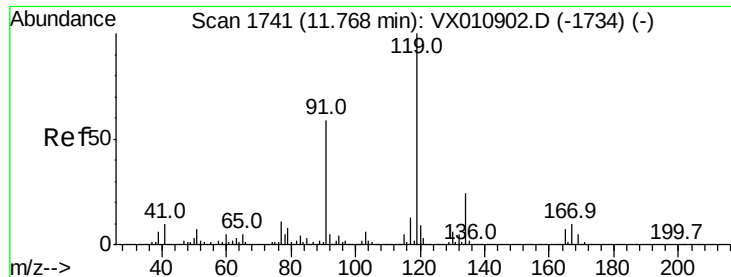
120 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.666 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampled :

TP-8

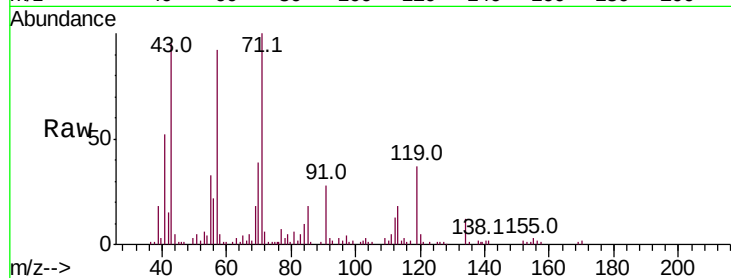
Tot Ion:119 Resp: 5377

Ion Ratio Lower Upper

119 100

91 68.1 28.6 85.8

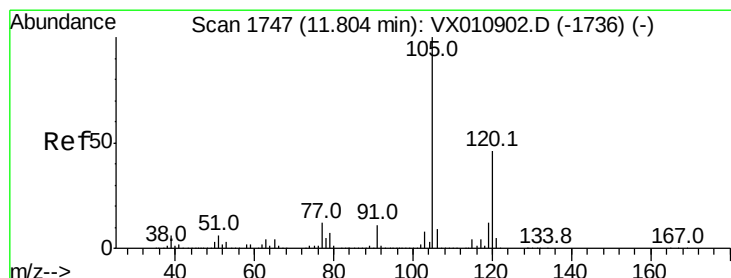
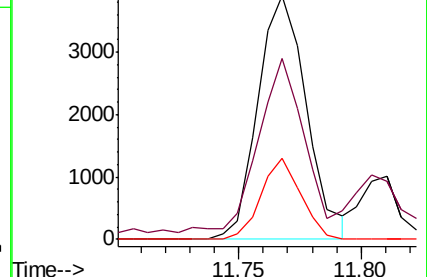
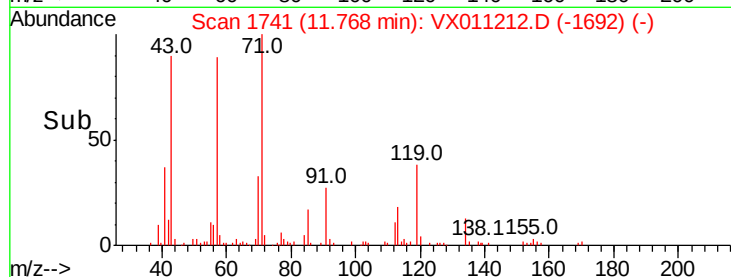
134 27.5 11.6 34.8



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: 1.171 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011212.D

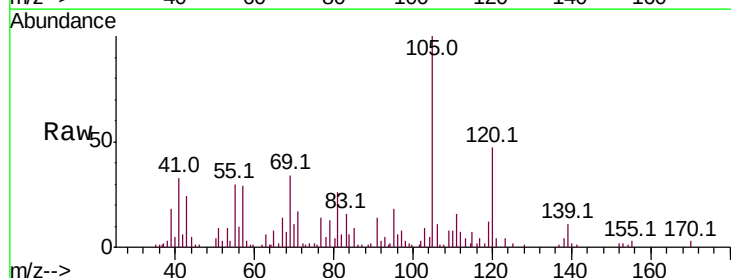
Acq: 30 Jul 2019 21:57

Tgt Ion:105 Resp: 9707

Ion Ratio Lower Upper

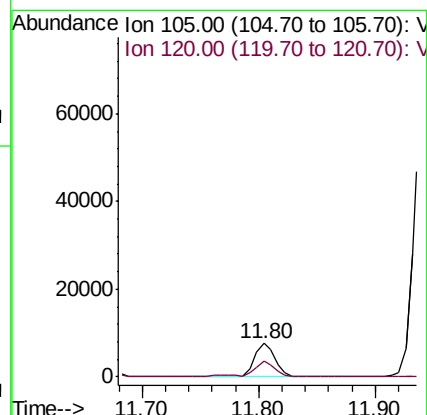
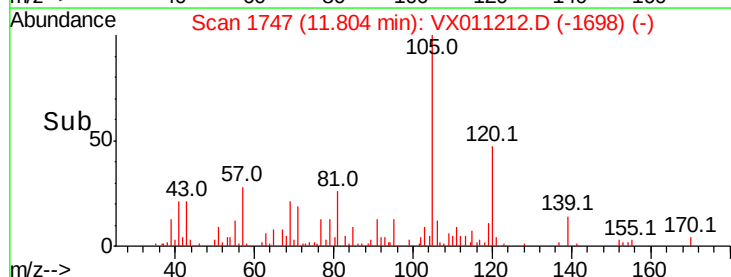
105 100

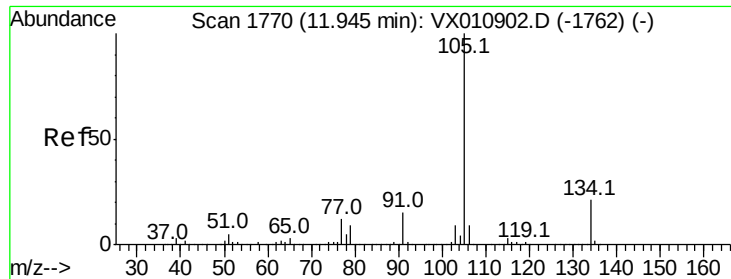
120 42.4 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.377 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

Instrument :

MSVOA_X

ClientSampleId :

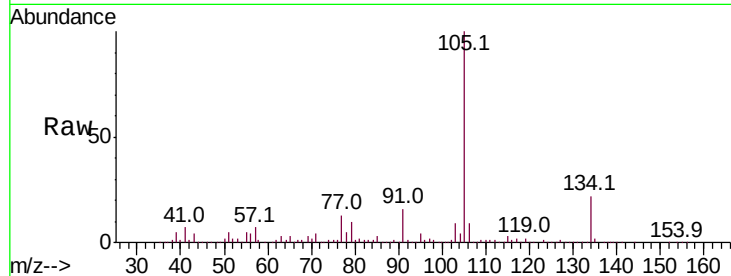
TP-8

Tot Ion:105 Resp: 98194

Ion Ratio Lower Upper

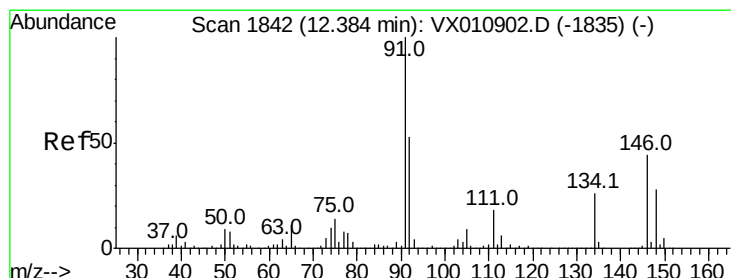
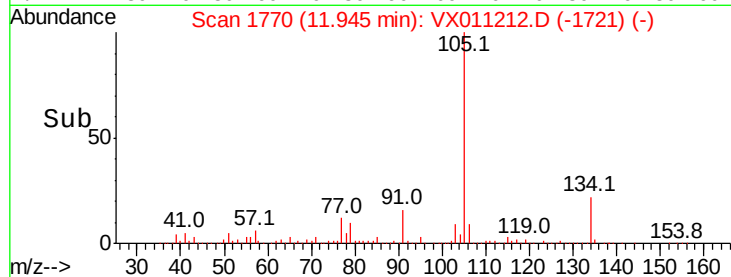
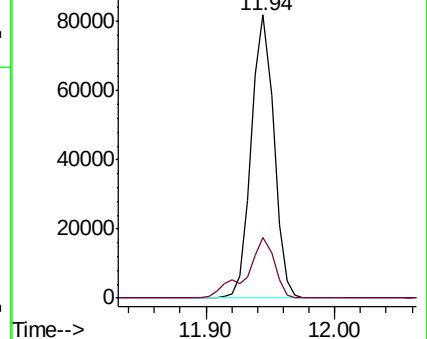
105 100

134 26.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 11.713 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011212.D

Acq: 30 Jul 2019 21:57

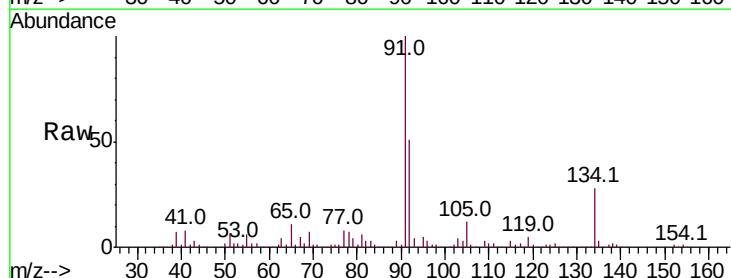
Tgt Ion: 91 Resp: 87664

Ion Ratio Lower Upper

91 100

92 47.3 26.2 78.5

134 41.1 13.8 41.3



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

