

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008571.D
 Acq On : 01 Apr 2019 16:10
 Operator : JC/SP
 Sample : K2176-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Apr 02 02:01:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135446	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	153214	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.50	113	113198	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	8.71	98	456825	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.13	95	157009	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

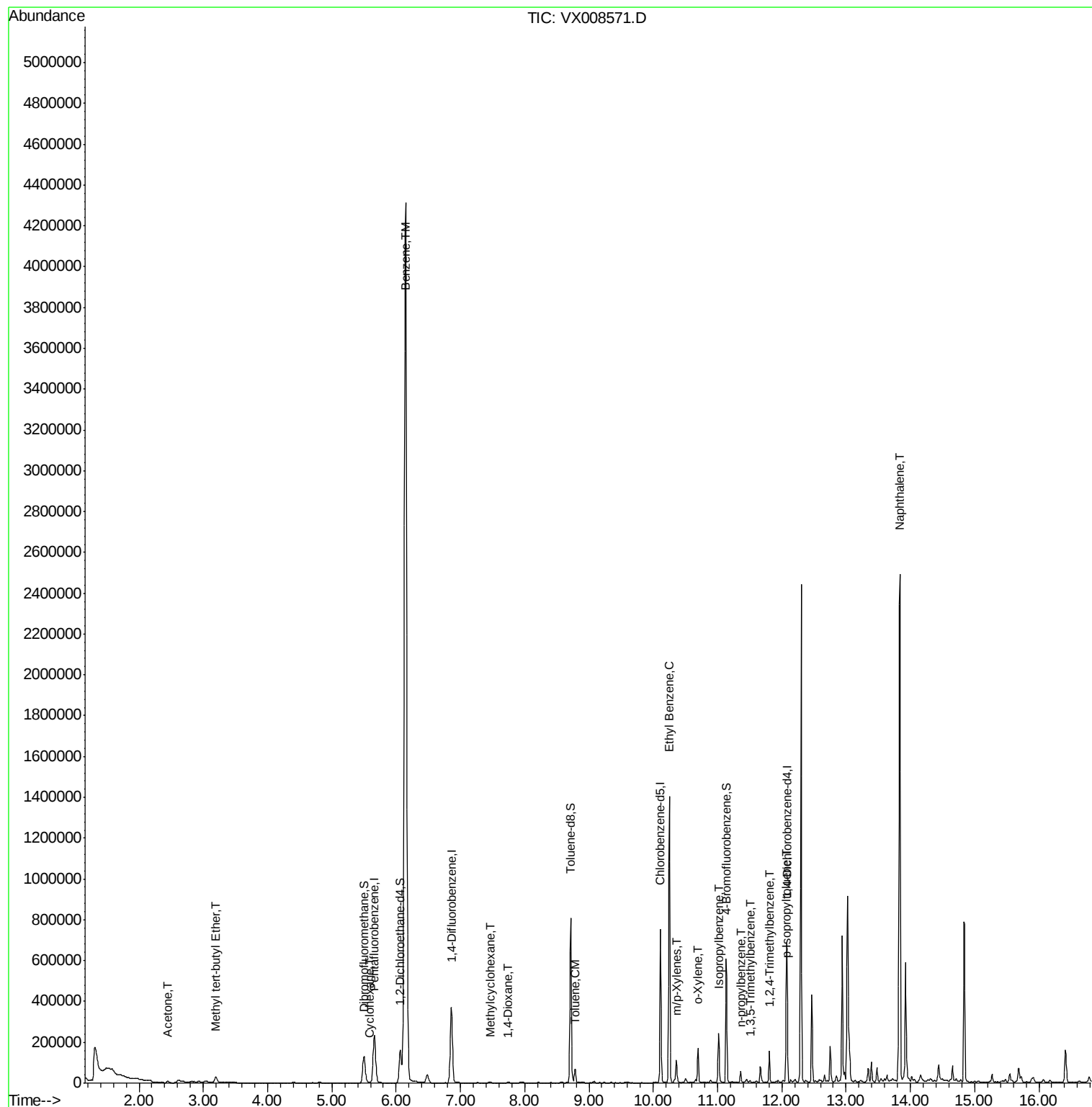
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	8781	5.030	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	29775	3.224	ug/l	99
31) Cyclohexane	5.57	56	1941	0.363	ug/l	89
39) Methylcyclohexane	7.46	83	1867	0.402	ug/l #	94
40) Benzene	6.15	78	5054747	434.540	ug/l	100
49) 1,4-Dioxane	7.74	88	1636	20.424	ug/l #	84
52) Toluene	8.78	92	24030	3.455	ug/l	100
67) Ethyl Benzene	10.25	91	772552	60.144	ug/l	99
68) m/p-Xylenes	10.36	106	22821	4.884	ug/l	98
69) o-Xylene	10.69	106	34147	7.530	ug/l	98
73) Isopropylbenzene	11.02	105	119830	10.875	ug/l	99
78) n-propylbenzene	11.36	91	32226	2.497	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2937	0.315	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	62019	6.582	ug/l	99
86) p-Isopropyltoluene	12.06	119	7582	0.803	ug/l #	74
95) Naphthalene	13.83	128	1460209	132.205	ug/l	100

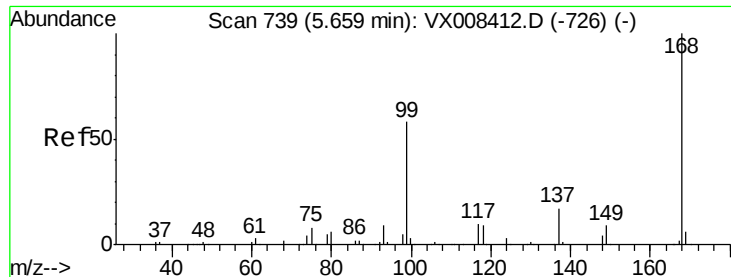
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 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: VX008571.D

Acq: 01 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

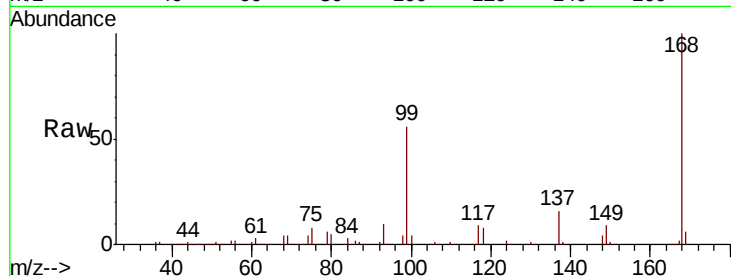
QNWP8-MW27S-GW

Tot Ion:168 Resp: 220320

Ion Ratio Lower Upper

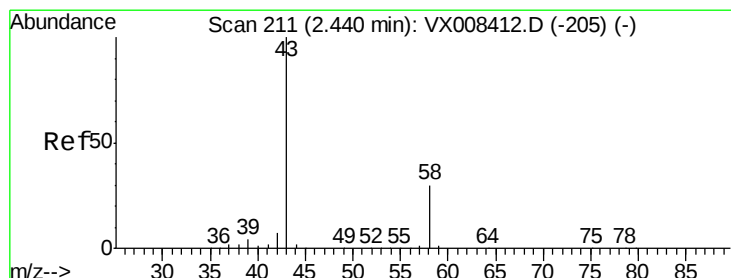
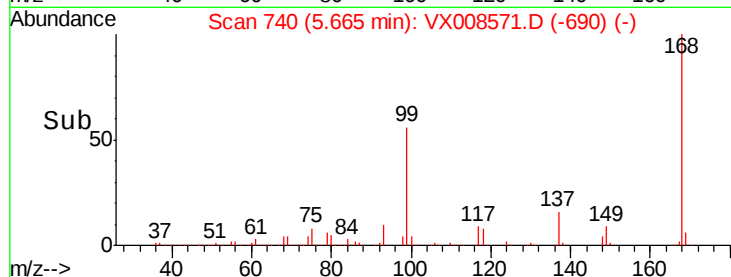
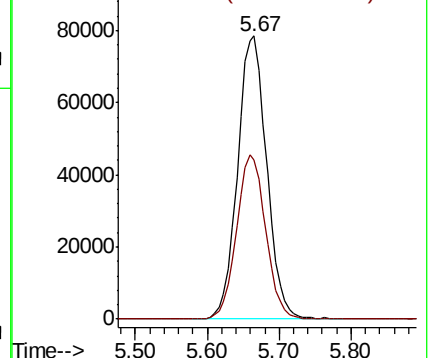
168 100

99 56.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.030 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008571.D

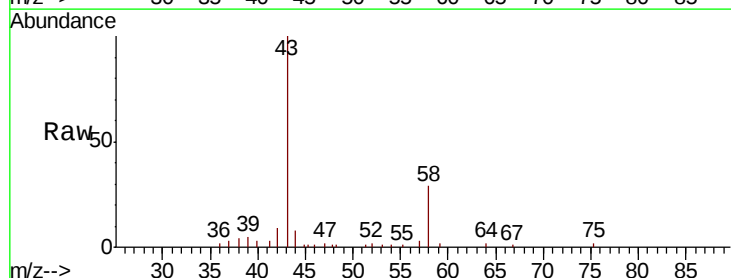
Acq: 01 Apr 2019 16:10

Tgt Ion: 43 Resp: 8781

Ion Ratio Lower Upper

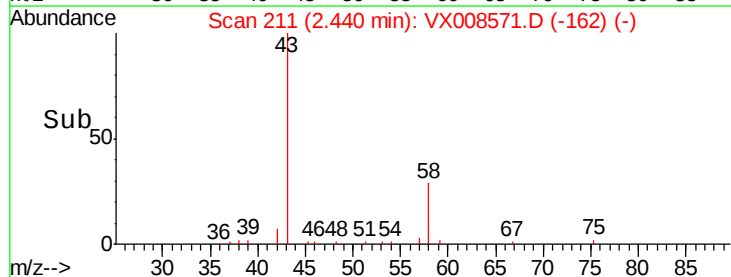
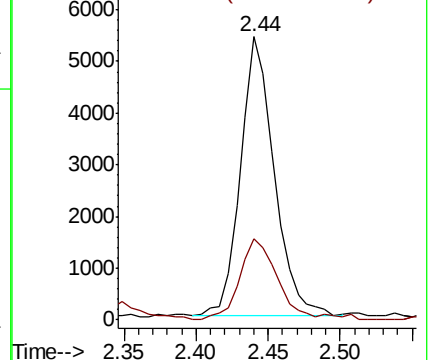
43 100

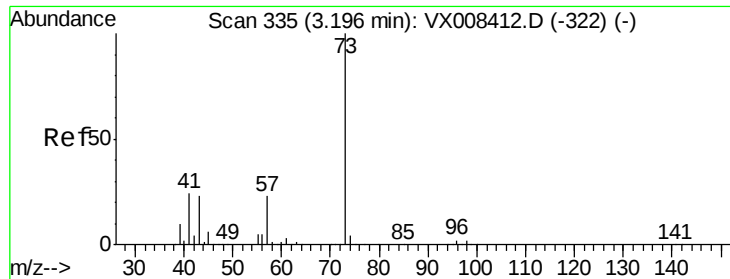
58 28.9 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

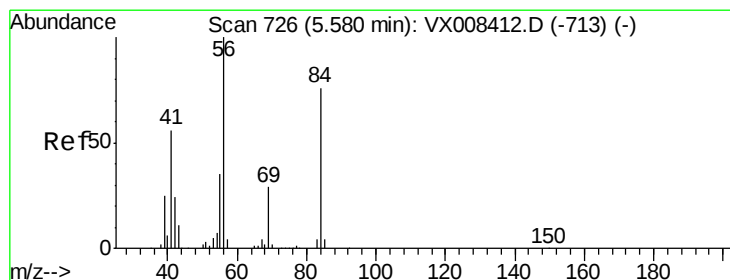
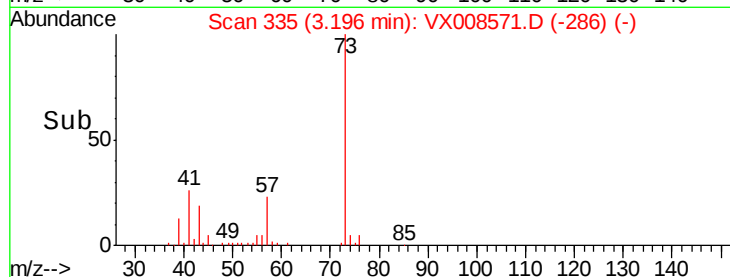
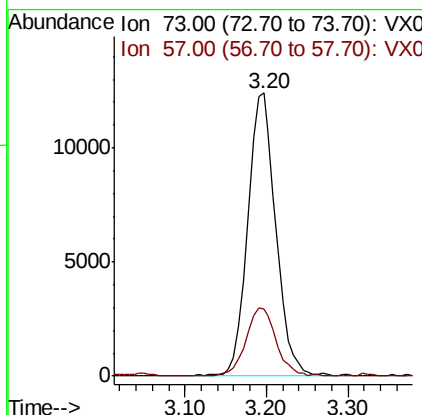
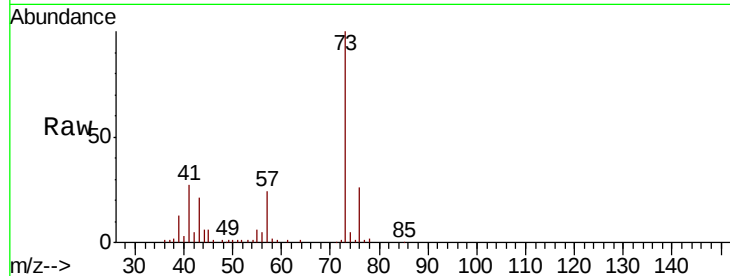




#19
Methvl tert-butvl Ether
Concen: 3.224 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

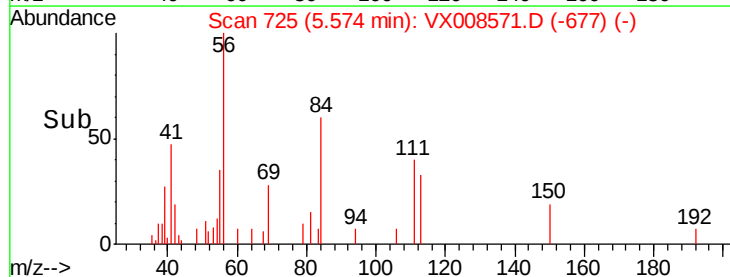
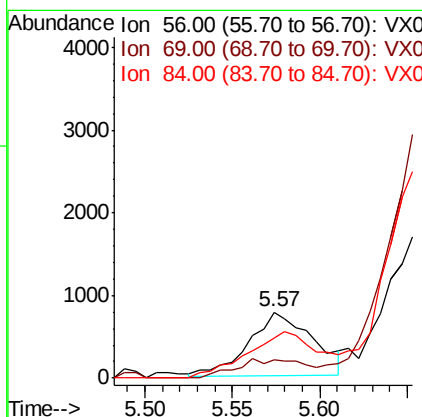
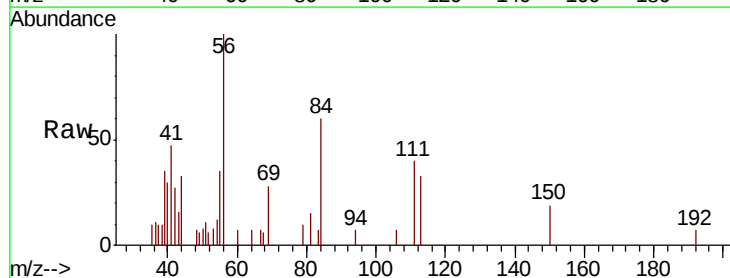
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

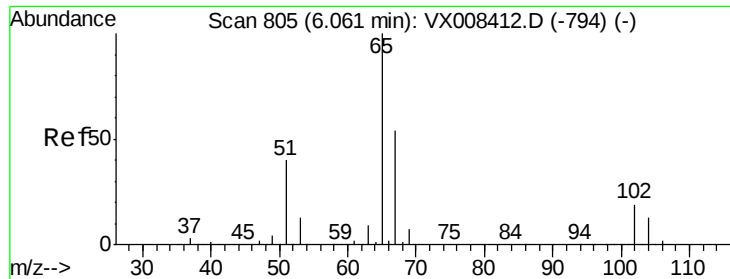
Tot Ion: 73 Resp: 29775
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0



#31
Cyclohexane
Concen: 0.363 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion: 56 Resp: 1941
Ion Ratio Lower Upper
56 100
69 30.4 23.2 34.8
84 64.3 60.7 91.1





#33

1,2-Dichloroethane-d4

Concen: 45.871 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

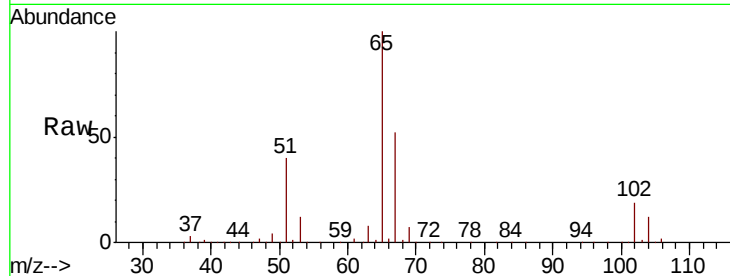
QNWP8-MW27S-GW

Tot Ion: 65 Resp: 153214

Ion Ratio Lower Upper

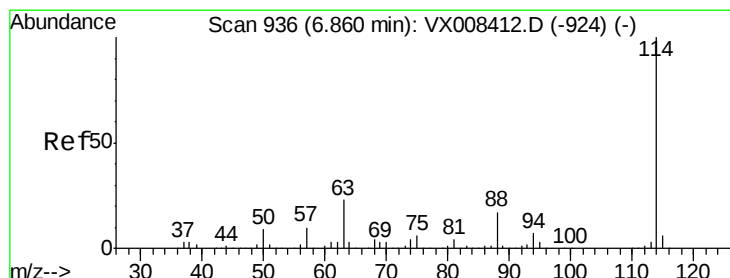
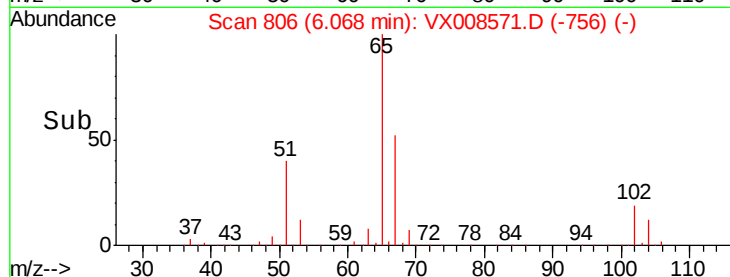
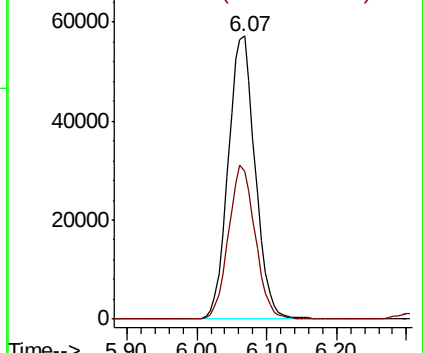
65 100

67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

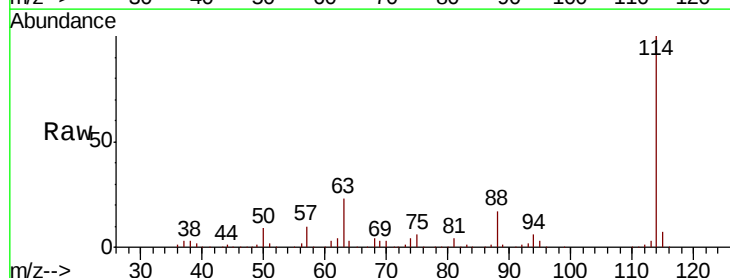
Tgt Ion: 114 Resp: 364423

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

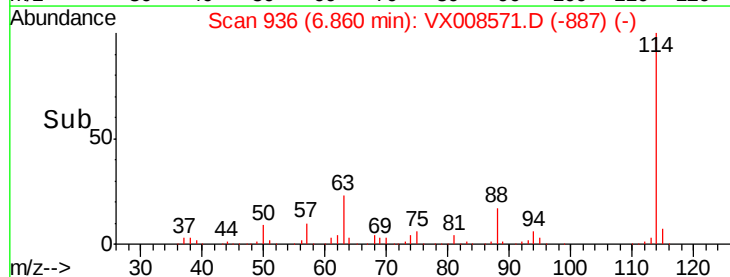
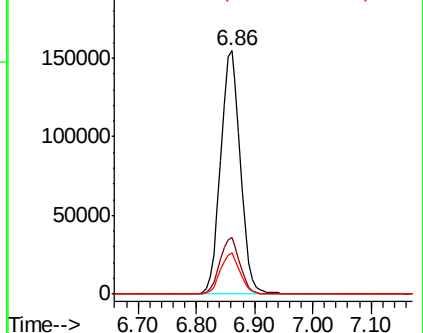
88 16.8 0.0 33.2

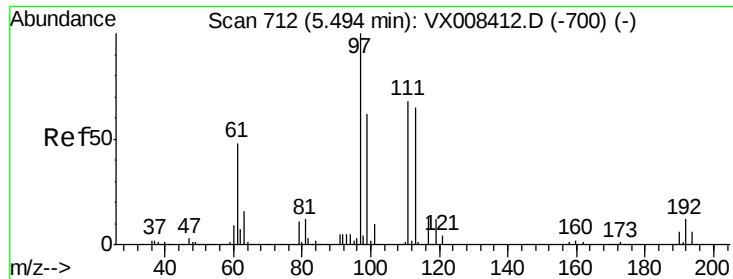


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.638 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

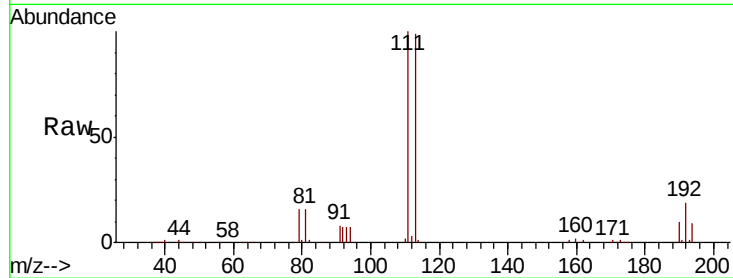
Tot Ion:113 Resp: 113198

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

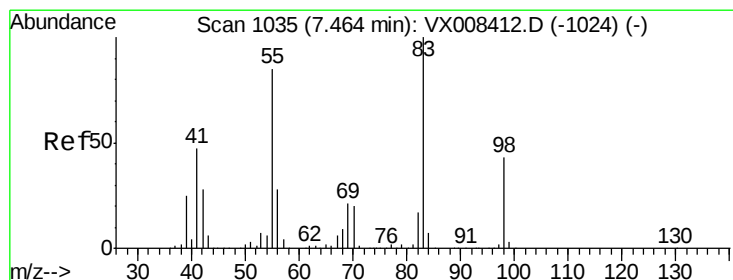
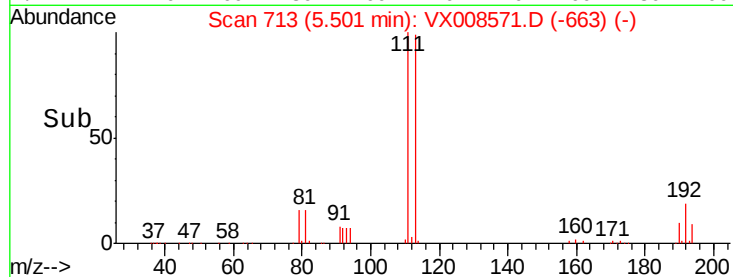
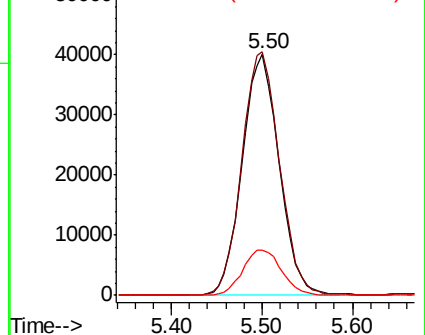
192 20.0 15.6 23.4



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: 0.402 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

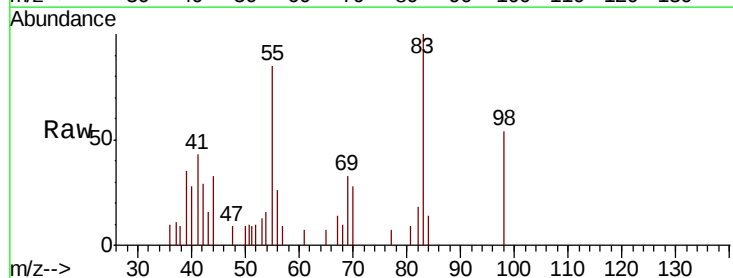
Tgt Ion: 83 Resp: 1867

Ion Ratio Lower Upper

83 100

55 84.5 68.2 102.4

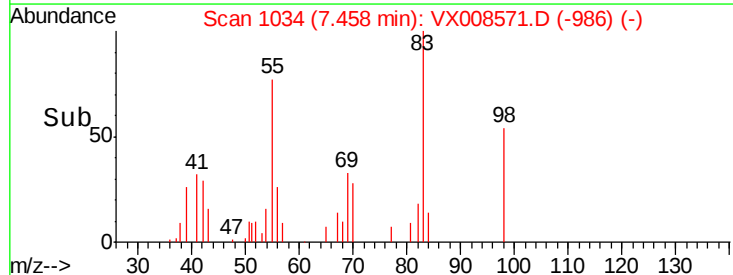
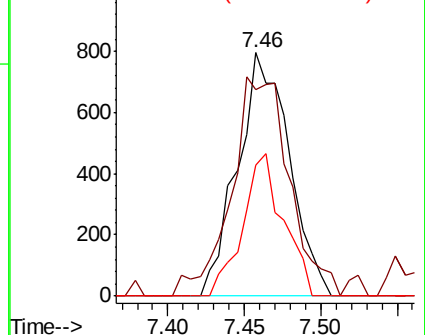
98 53.8 34.2 51.4#

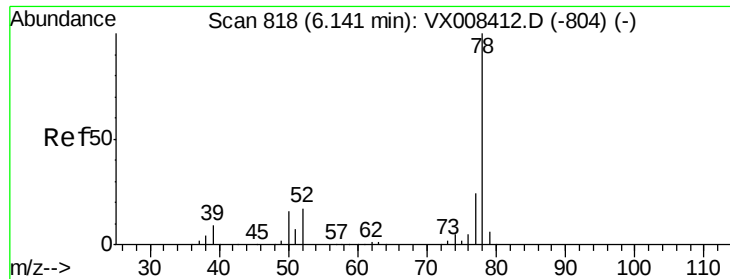


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 434.540 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

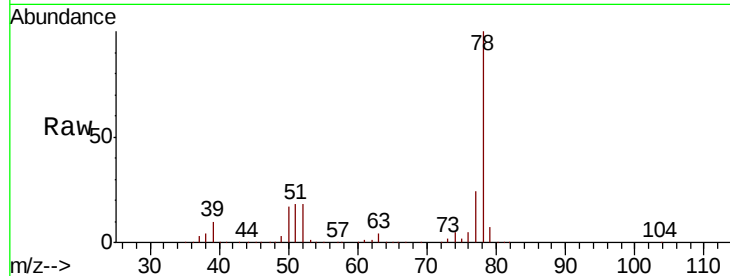
QNWP8-MW27S-GW

Tot Ion: 78 Resp: 5054747

Ion Ratio Lower Upper

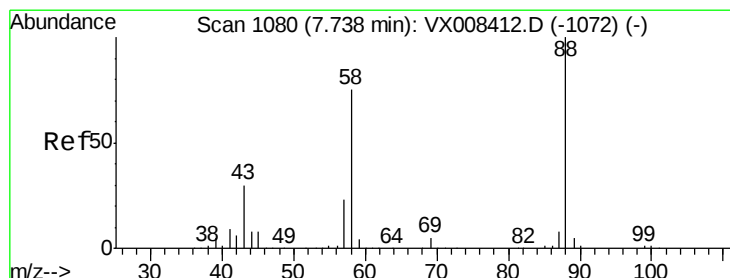
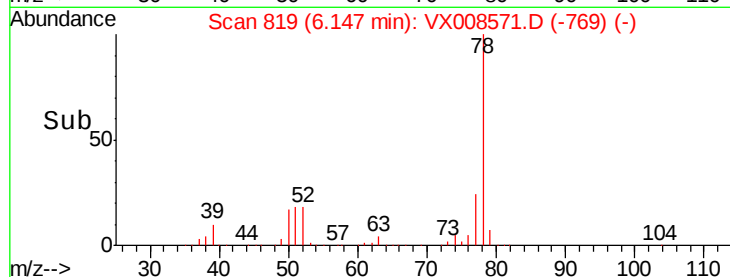
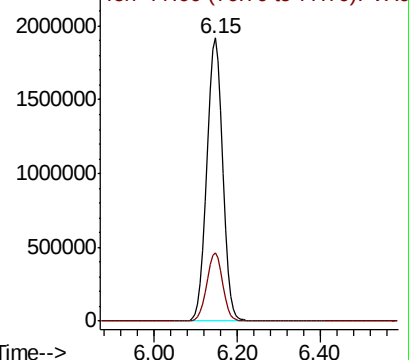
78 100

77 24.3 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 20.424 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

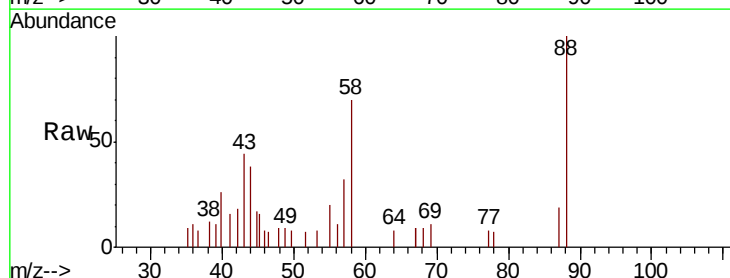
Tgt Ion: 88 Resp: 1636

Ion Ratio Lower Upper

88 100

43 28.1 28.6 43.0#

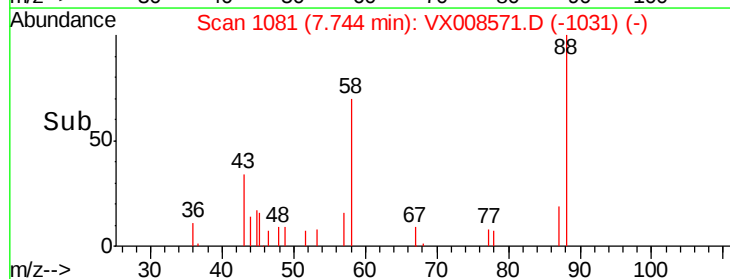
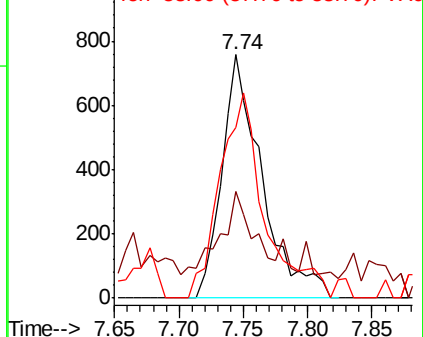
58 94.3 63.0 94.4

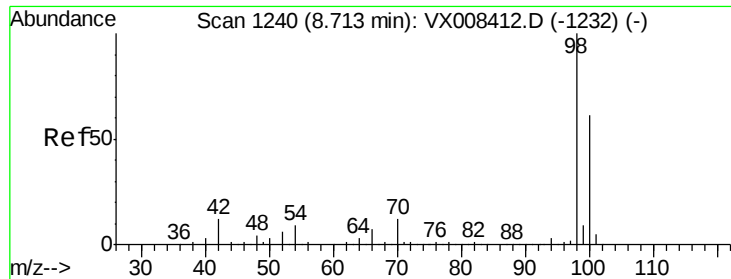


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

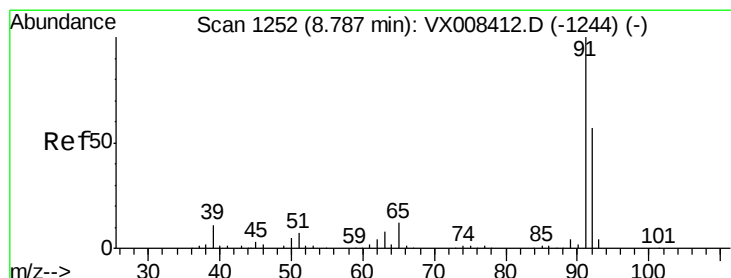
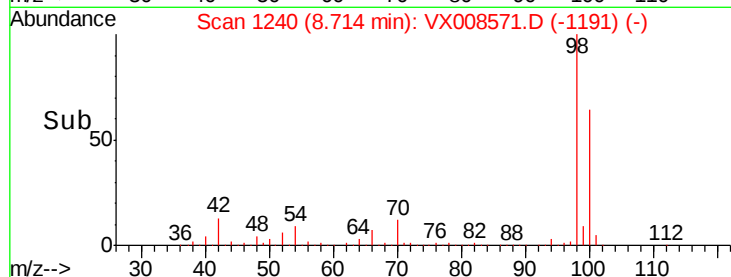
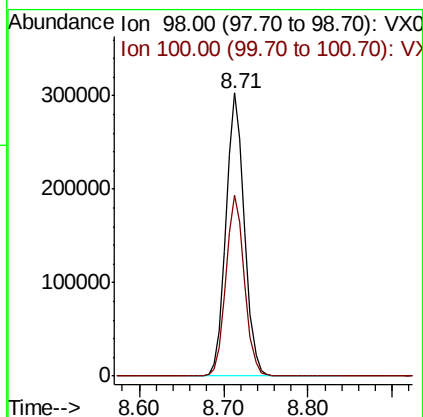
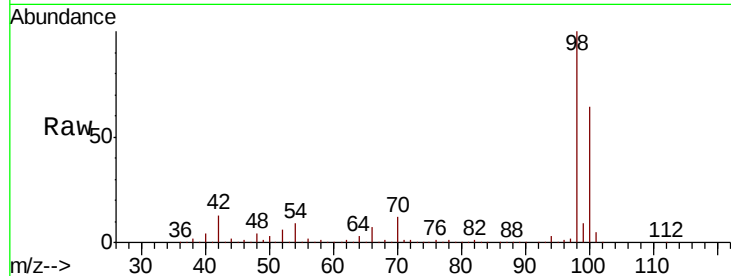




#50
Toluene-d8
Concen: 48.079 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

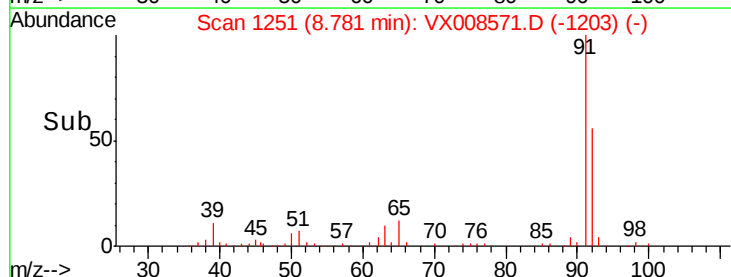
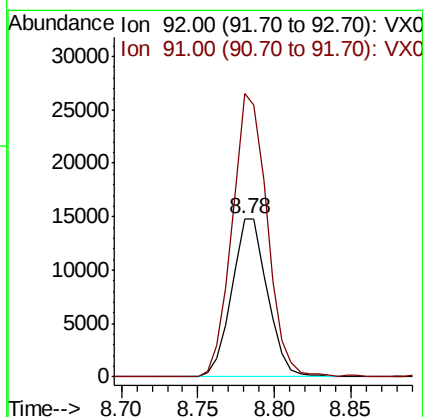
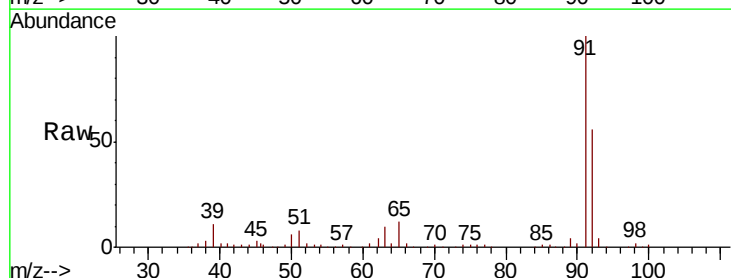
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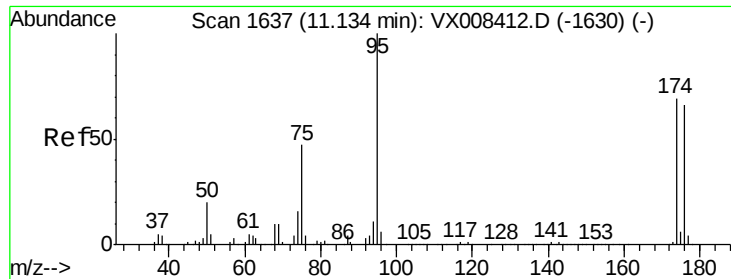
Tot Ion: 98 Resp: 456825
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#52
Toluene
Concen: 3.455 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion: 92 Resp: 24030
Ion Ratio Lower Upper
92 100
91 175.3 140.2 210.4

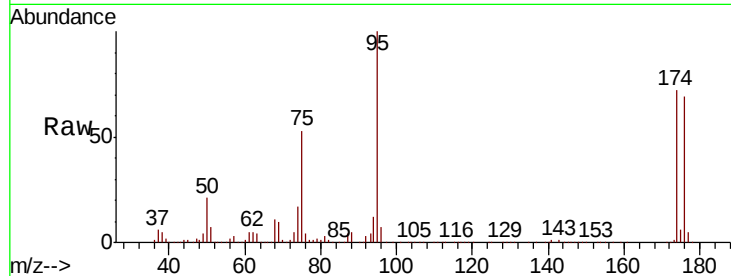




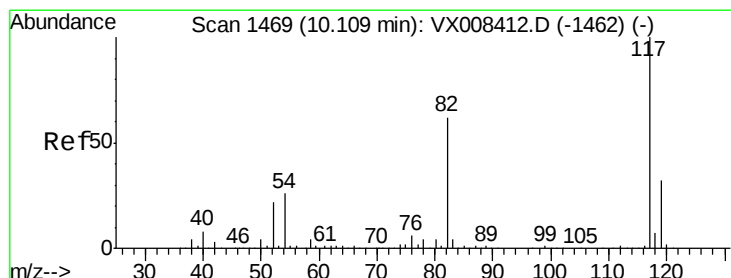
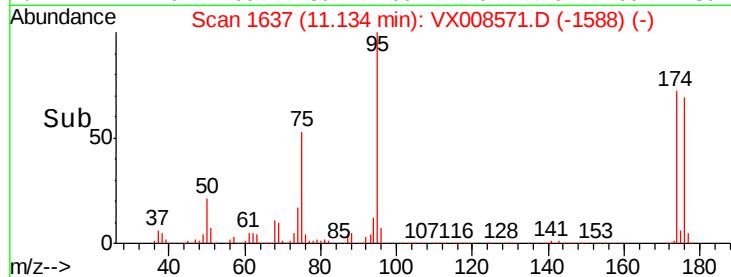
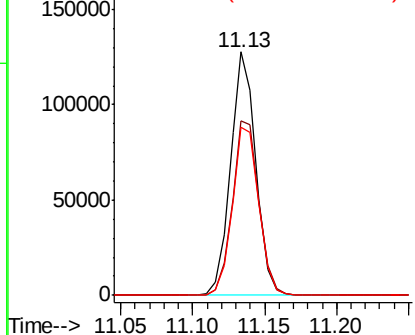
#62
4-Bromofluorobenzene
Concen: 44.594 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion: 95 Resp: 157009
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.2
176 72.4 0.0 142.4

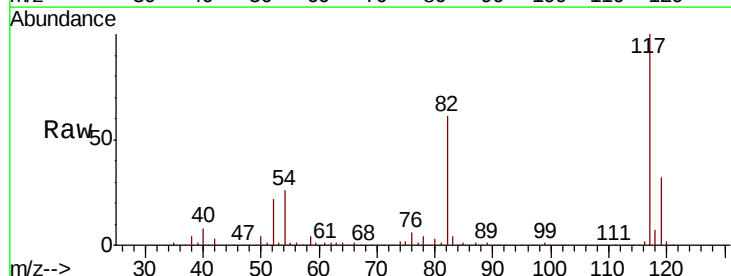


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

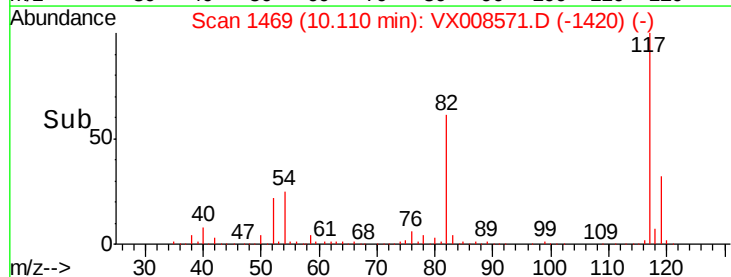
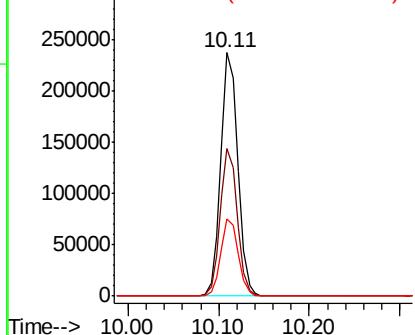


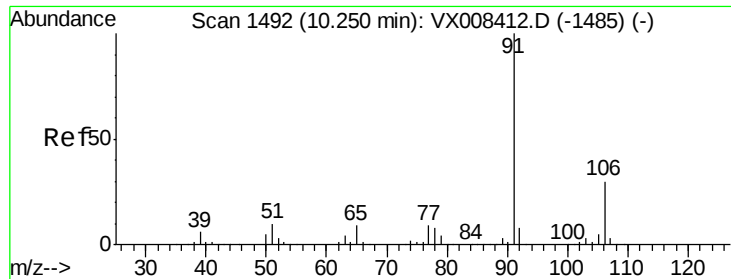
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion: 117 Resp: 312968
Ion Ratio Lower Upper
117 100
82 60.8 49.4 74.2
119 31.6 25.4 38.0



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

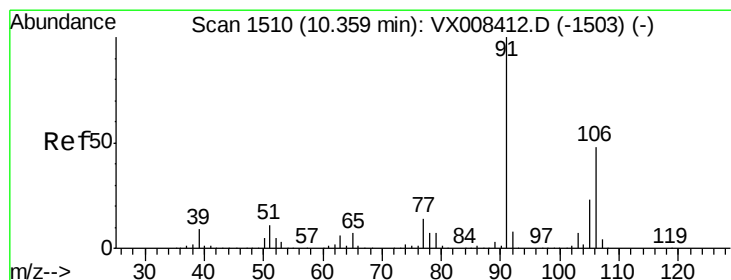
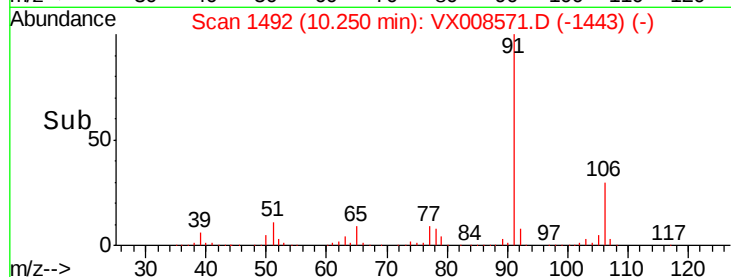
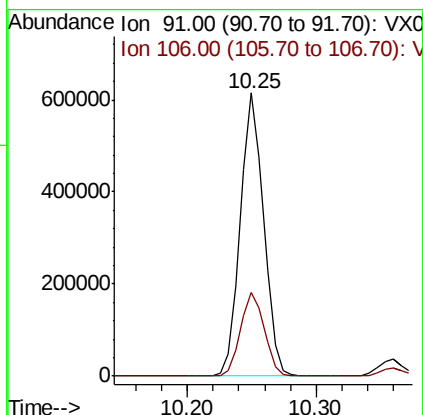
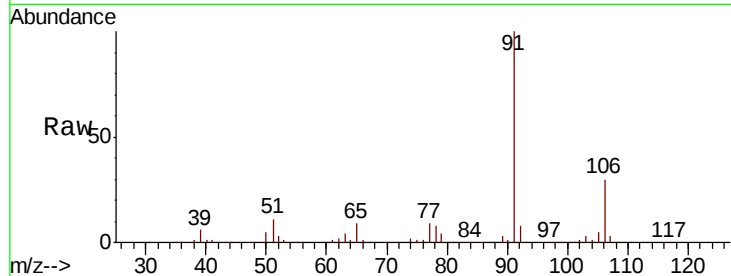




#67
Ethyl Benzene
Concen: 60.144 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

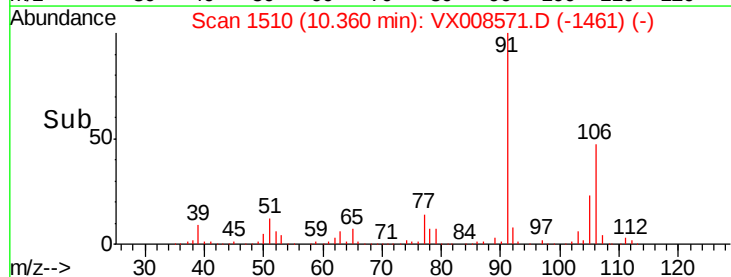
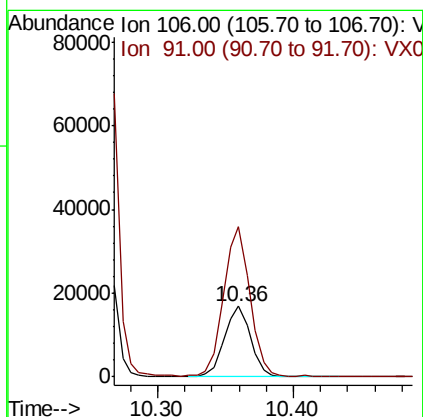
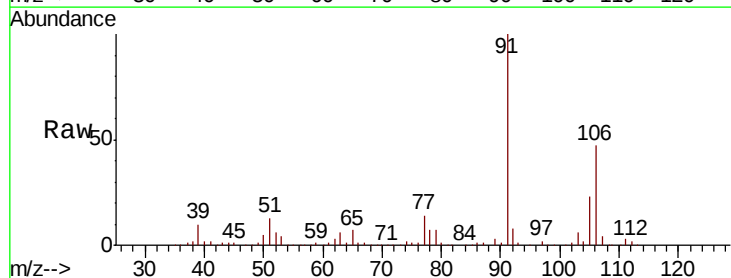
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

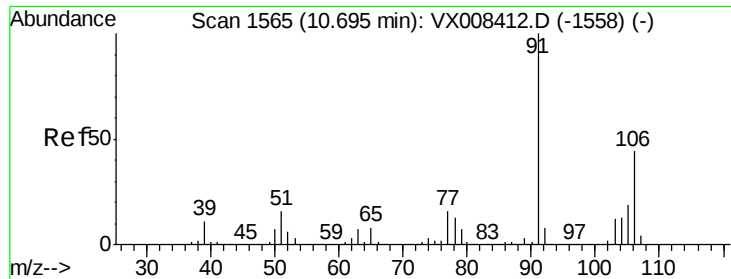
Tot Ion: 91 Resp: 772552
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0



#68
m/p-Xylenes
Concen: 4.884 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion: 106 Resp: 22821
Ion Ratio Lower Upper
106 100
91 208.0 168.6 253.0

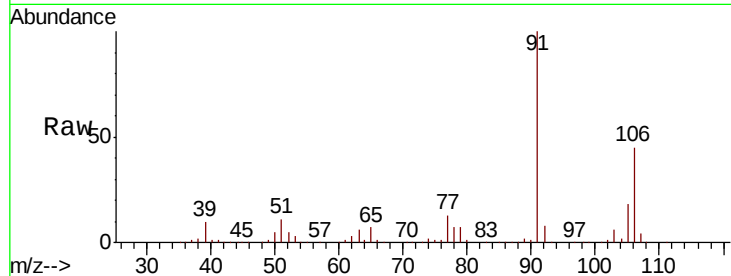




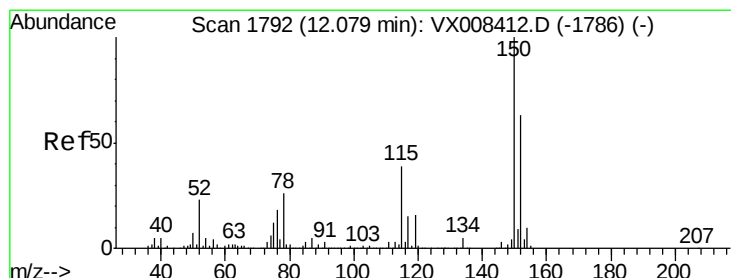
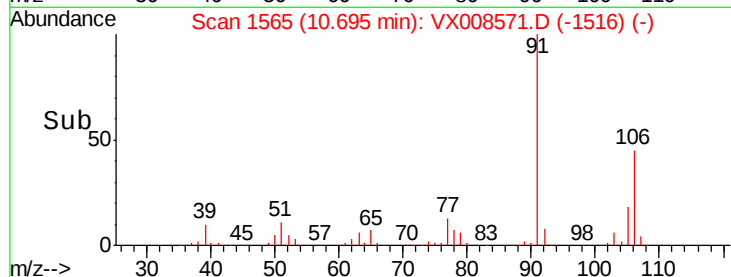
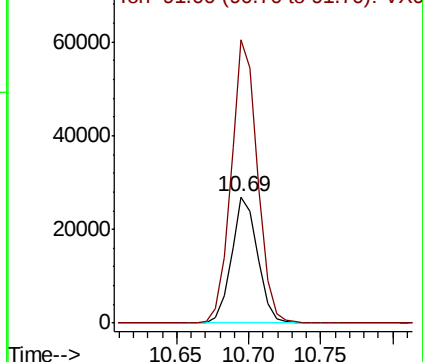
#69
o-Xylene
Concen: 7.530 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:106 Resp: 34147
Ion Ratio Lower Upper
106 100
91 226.8 111.4 334.2

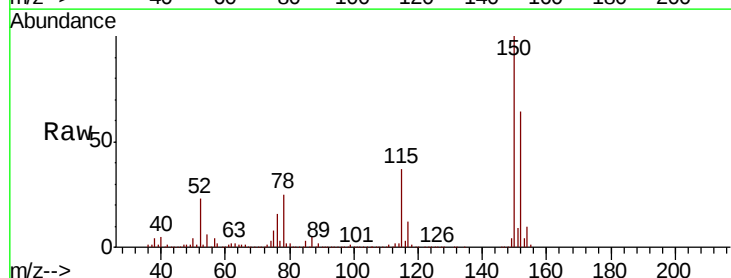


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

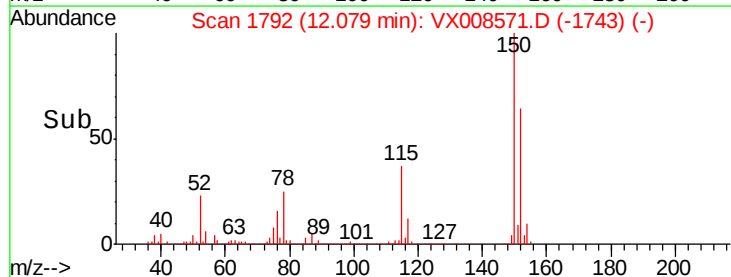
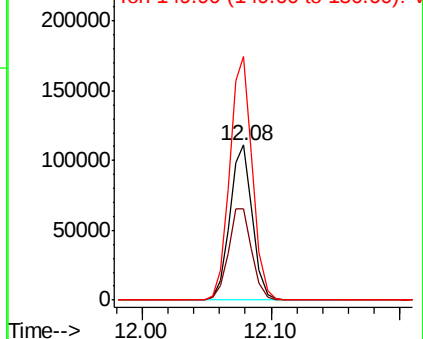


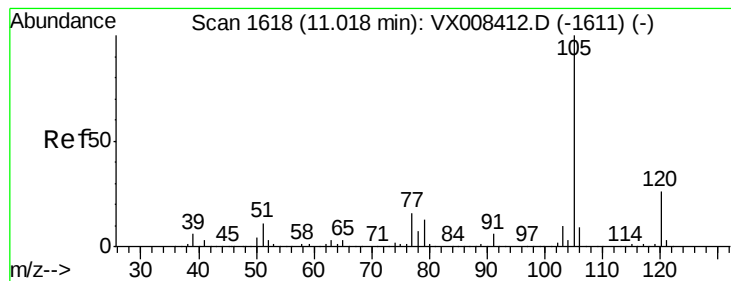
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion:152 Resp: 135446
Ion Ratio Lower Upper
152 100
115 61.6 43.5 130.5
150 158.0 0.0 348.8



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





#73

Isopropylbenzene

Concen: 10.875 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008571.D

Acq: 01 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

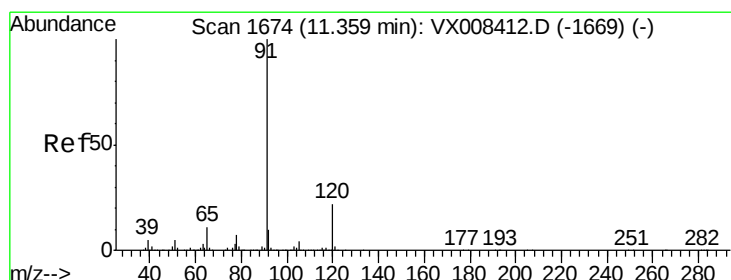
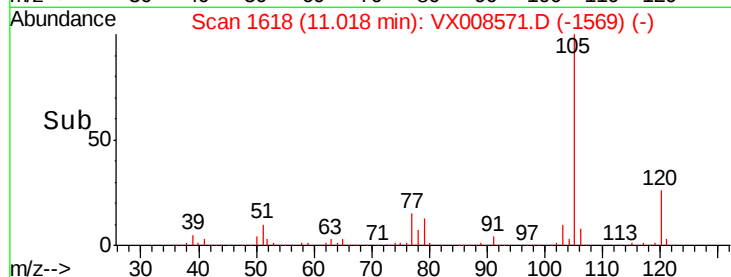
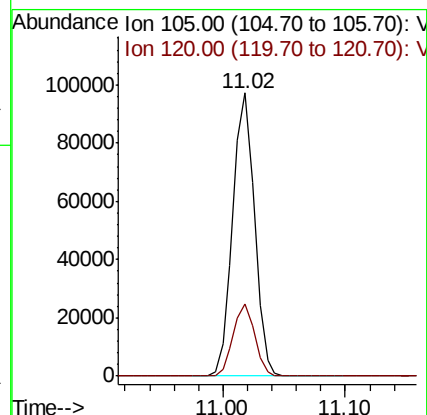
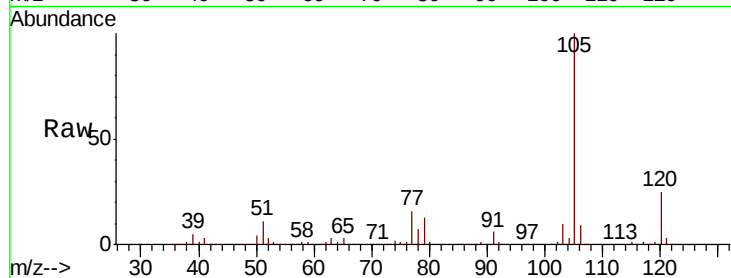
QNWP8-MW27S-GW

Tot Ion: 105 Resp: 119830

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



#78

n-propylbenzene

Concen: 2.497 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008571.D

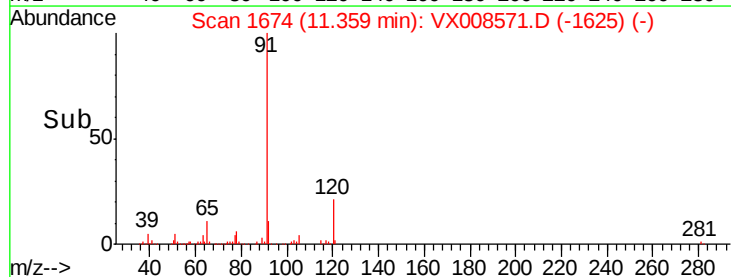
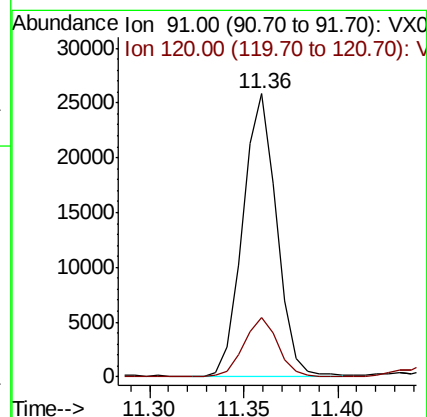
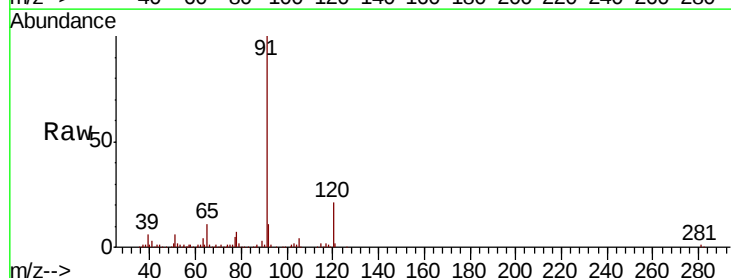
Acq: 01 Apr 2019 16:10

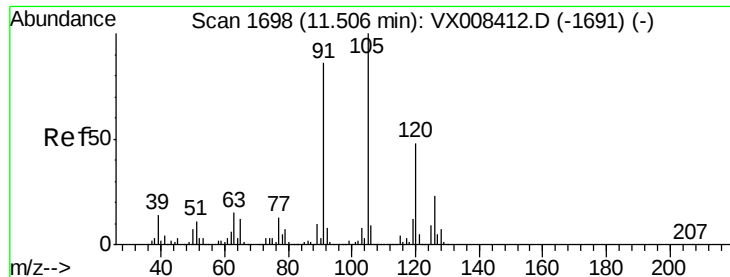
Tgt Ion: 91 Resp: 32226

Ion Ratio Lower Upper

91 100

120 21.0 10.8 32.4

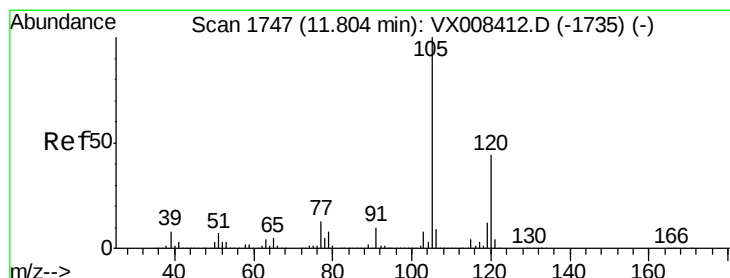
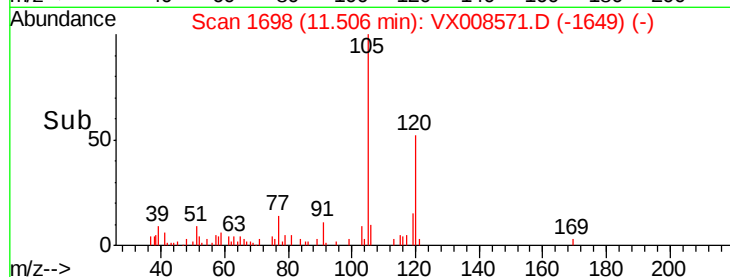
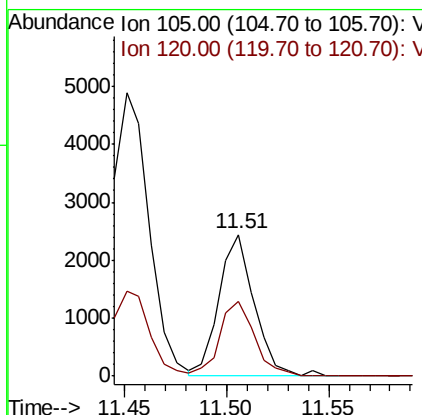
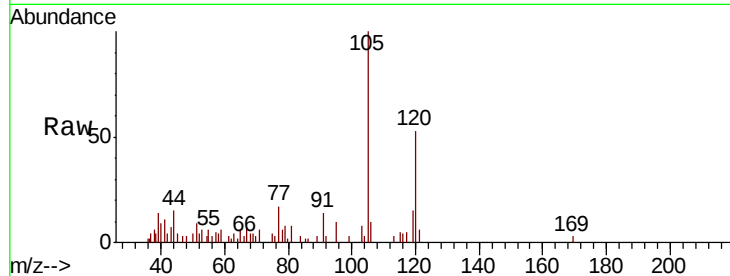




#80
 1,3,5-Trimethylbenzene
 Concen: 0.315 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008571.D
 Acq: 01 Apr 2019 16:10

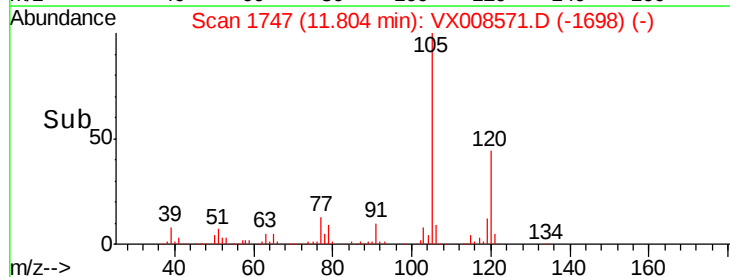
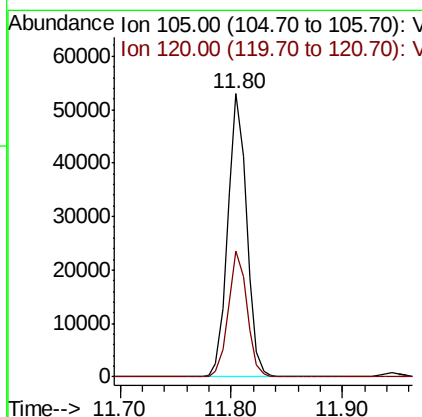
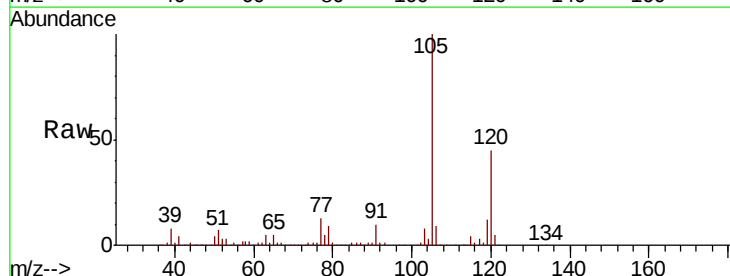
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW27S-GW

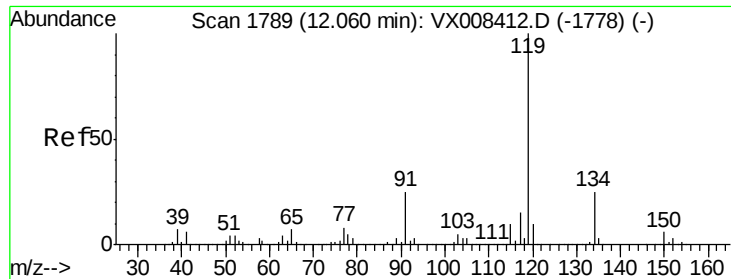
Tot Ion:105 Resp: 2937
 Ion Ratio Lower Upper
 105 100
 120 52.1 23.4 70.3



#84
 1,2,4-Trimethylbenzene
 Concen: 6.582 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008571.D
 Acq: 01 Apr 2019 16:10

Tgt Ion:105 Resp: 62019
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.6 65.0

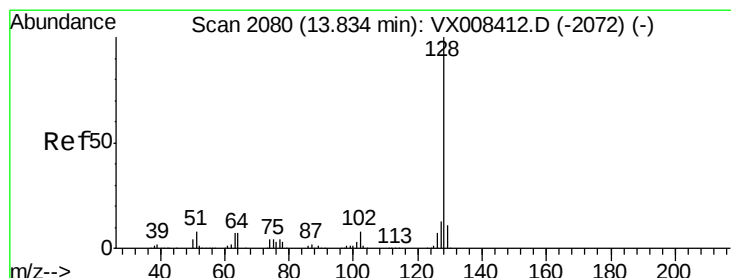
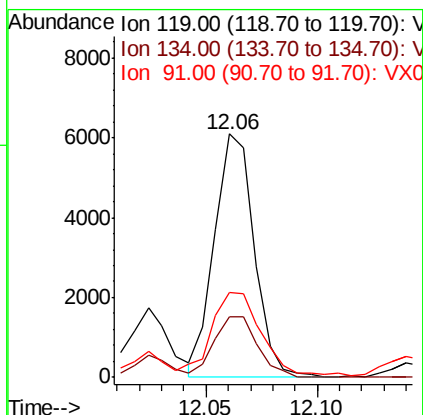
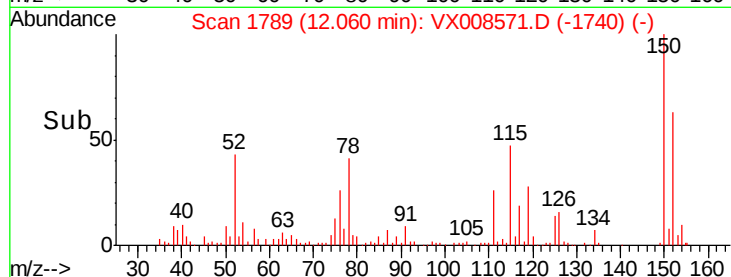
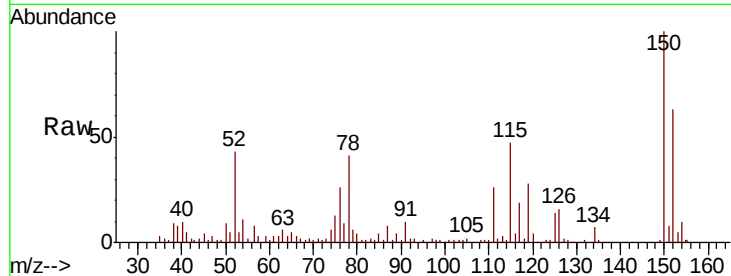




#86
p-Isopropyltoluene
Concen: 0.803 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion:119 Resp: 7582
Ion Ratio Lower Upper
119 100
134 27.3 12.8 38.4
91 0.0 12.4 37.0#



#95
Naphthalene
Concen: 132.205 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008571.D
Acq: 01 Apr 2019 16:10

Tgt Ion:128 Resp: 1460209
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1

