

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
 Data File : VX008778.D
 Acq On : 09 Apr 2019 18:09
 Operator : JC/SP
 Sample : K2311-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0238-COMP-CS-3-ELTRT

Quant Time: Apr 10 07:42:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120128	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	138395	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	5.50	113	101160	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	417669	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	139185	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

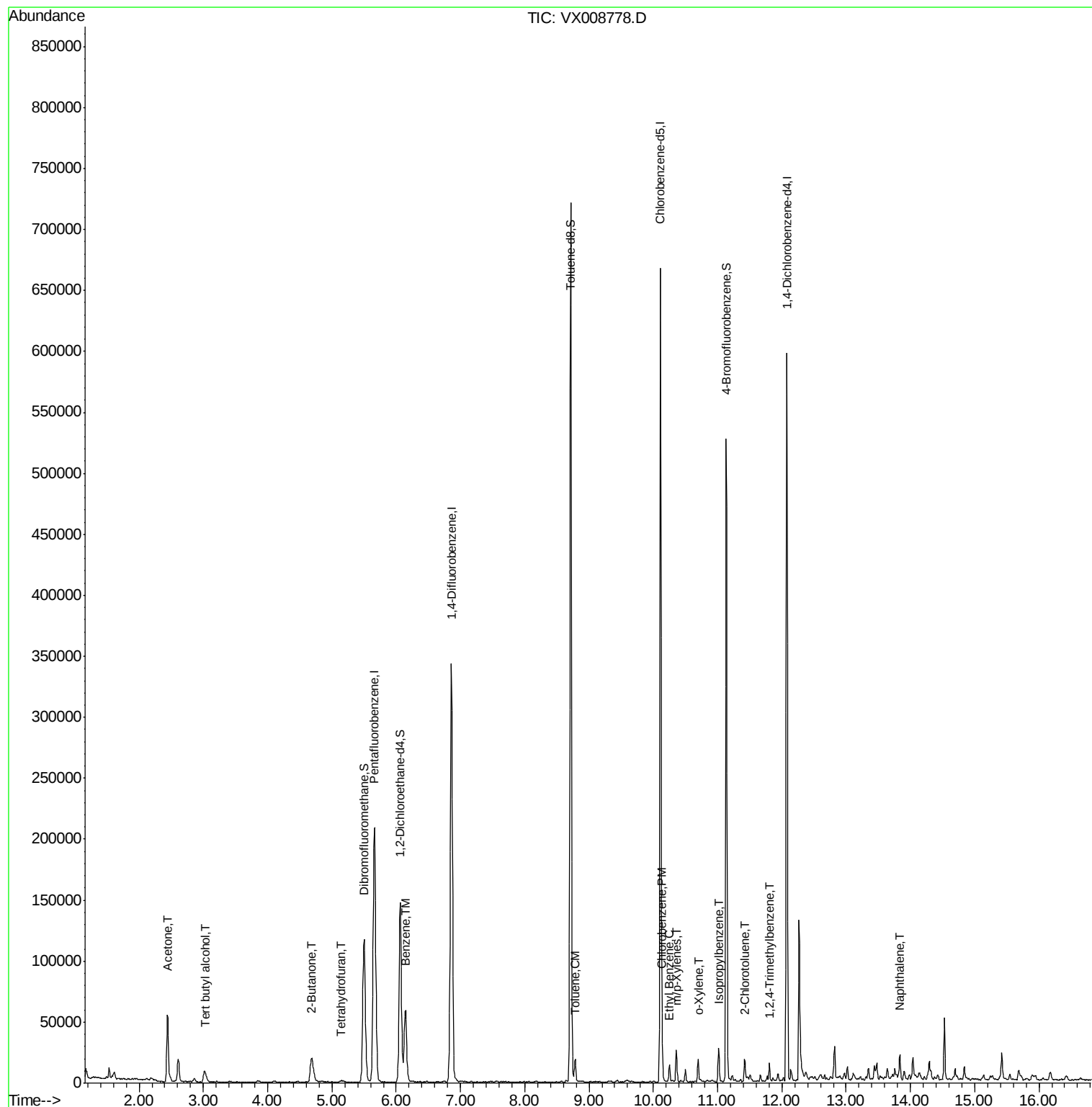
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	8781	12.748	ug/l #	91
16) Acetone	2.44	43	60502	35.703	ug/l	99
25) 2-Butanone	4.68	43	21378	7.982	ug/l	100
29) Tetrahydrofuran	5.15	42	1476	0.830	ug/l #	91
40) Benzene	6.15	78	69552	6.407	ug/l	99
52) Toluene	8.79	92	6559	1.025	ug/l	96
65) Chlorobenzene	10.14	112	10098	1.585	ug/l	100
67) Ethyl Benzene	10.25	91	7771	0.654	ug/l	93
68) m/p-Xylenes	10.36	106	5567	1.303	ug/l	98
69) o-Xylene	10.70	106	3835	0.926	ug/l	98
73) Isopropylbenzene	11.02	105	12990	1.305	ug/l	95
79) 2-Chlorotoluene	11.42	91	7400	1.055	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	6015	0.711	ug/l	98
95) Naphthalene	13.83	128	11222	1.135	ug/l #	94

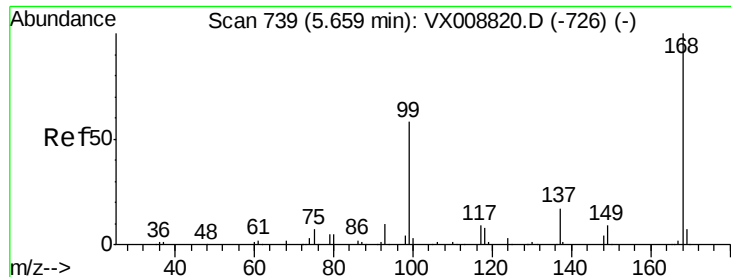
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008778.D

Acq: 09 Apr 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

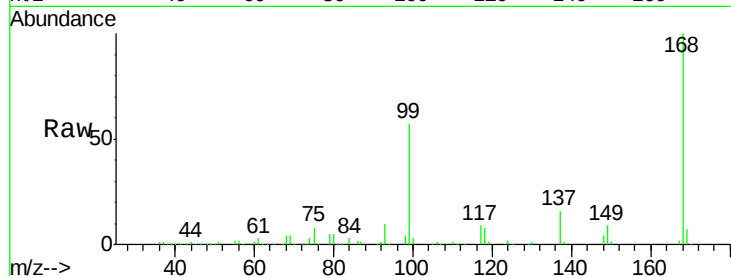
0238-COMP-CS-3-ELTRT

Tot Ion:168 Resp: 201716

Ion Ratio Lower Upper

168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

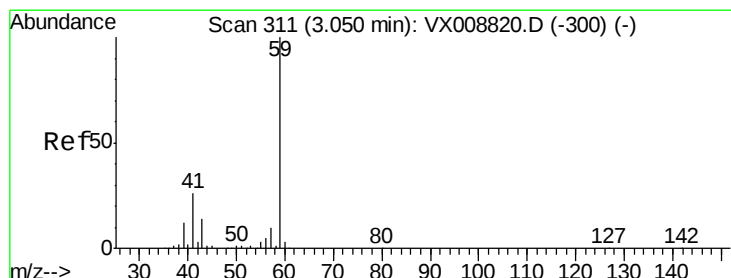
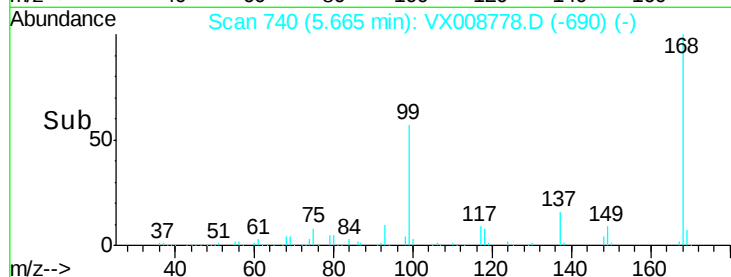
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 12.748 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008778.D

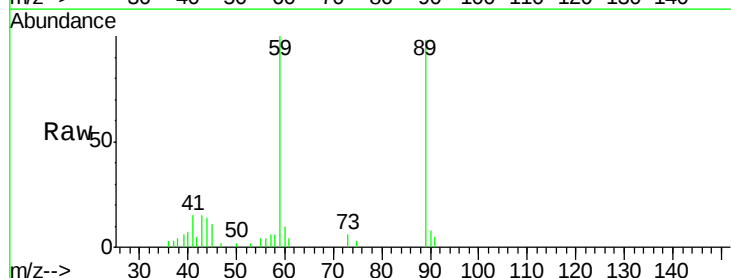
Acq: 09 Apr 2019 18:09

Tgt Ion: 59 Resp: 8781

Ion Ratio Lower Upper

59 100

57 7.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

3000

2500

2000

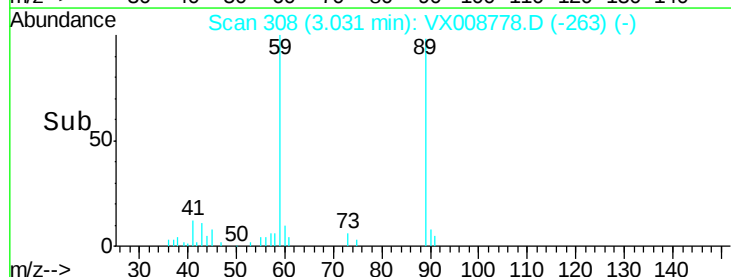
1500

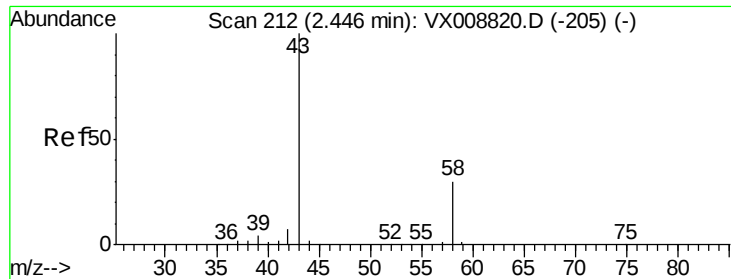
1000

500

0

Time--> 2.90 3.00 3.10

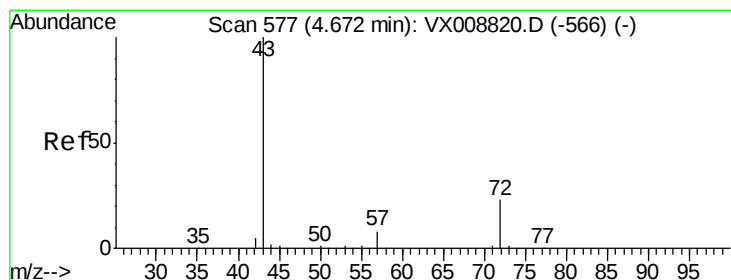
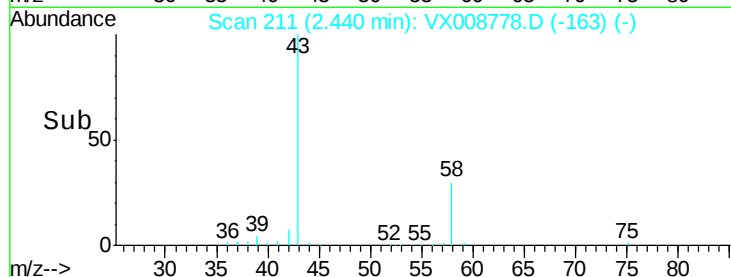
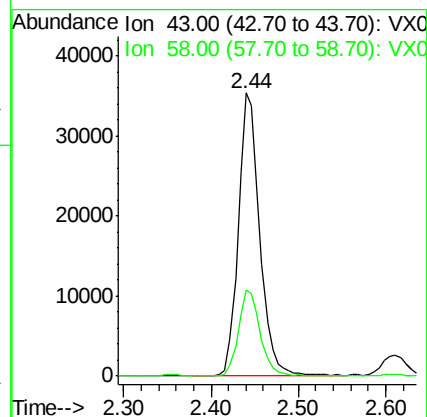
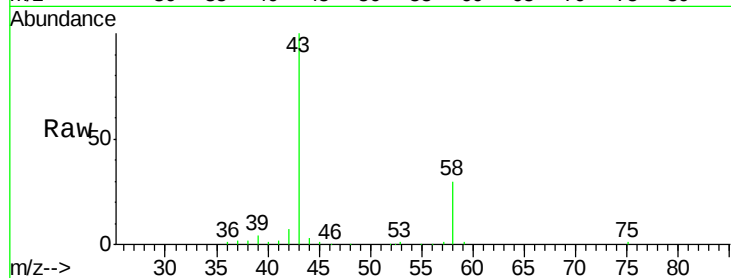




#16
Acetone
Concen: 35.703 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

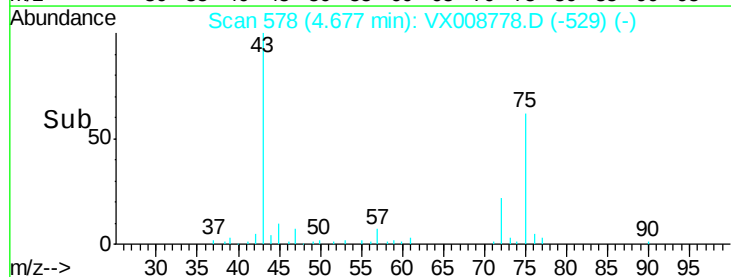
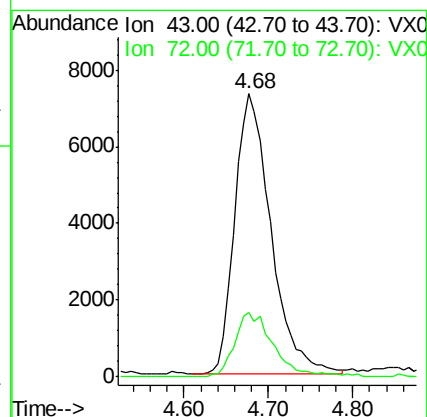
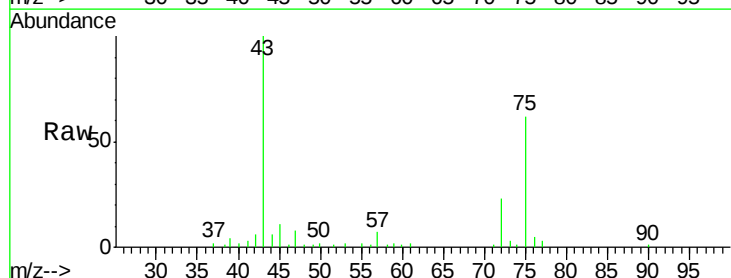
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ClientSampleId :
0238-COMP-CS-3-ELTRT

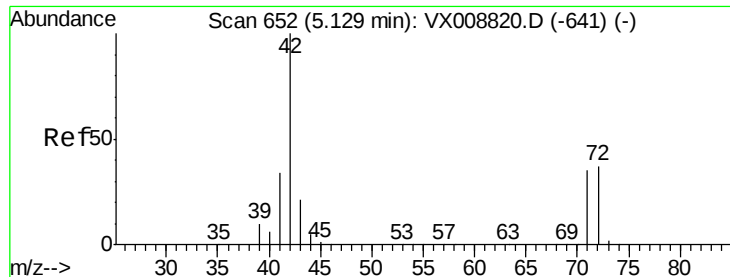
Tot Ion: 43 Resp: 60502
Ion Ratio Lower Upper
43 100
58 30.5 24.8 37.2



#25
2-Butanone
Concen: 7.982 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Tgt Ion: 43 Resp: 21378
Ion Ratio Lower Upper
43 100
72 22.8 18.2 27.4

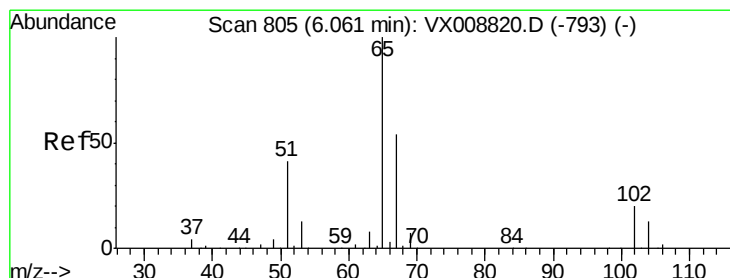
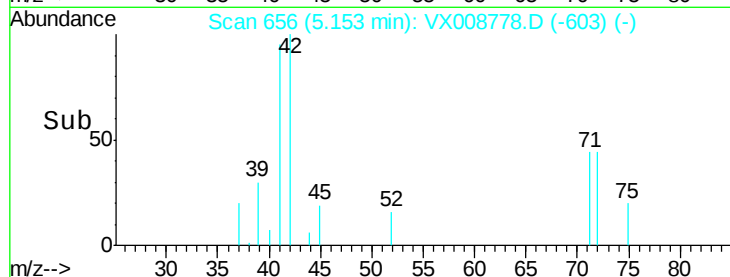
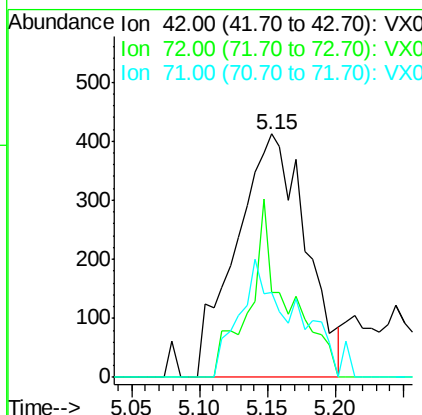
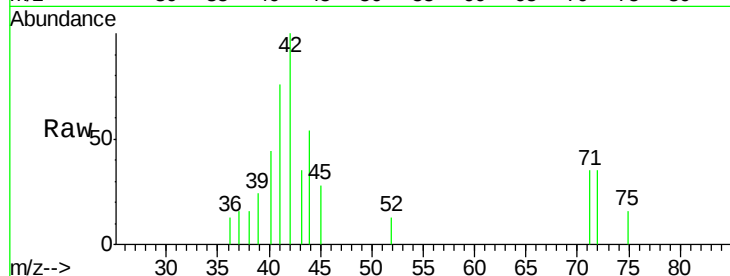




#29
Tetrahydrofuran
Concen: 0.830 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

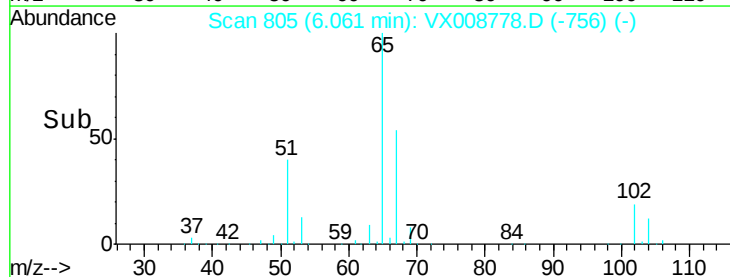
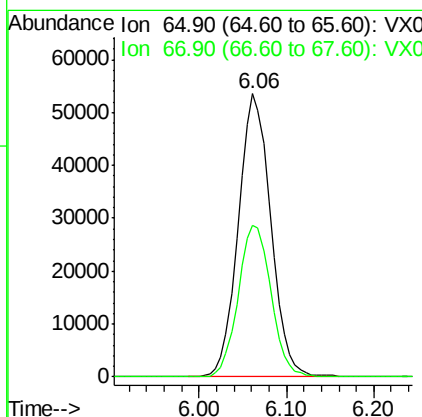
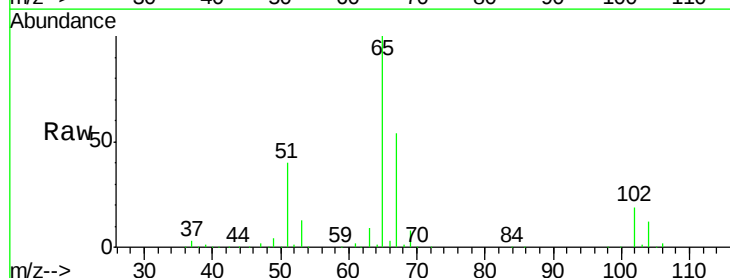
Instrument :
MSVOA_X
ClientSampleId :
0238-COMP-CS-3-ELTRT

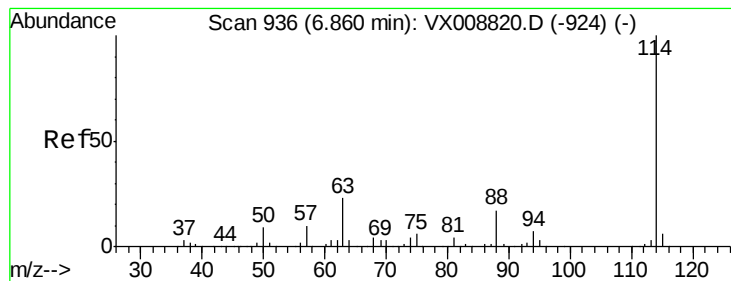
Tot Ion: 42 Resp: 1476
Ion Ratio Lower Upper
42 100
72 39.8 30.5 45.7
71 26.3 28.6 43.0#



#33
1,2-Dichloroethane-d4
Concen: 47.039 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Tgt Ion: 65 Resp: 138395
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

0238-COMP-CS-3-ELTRT

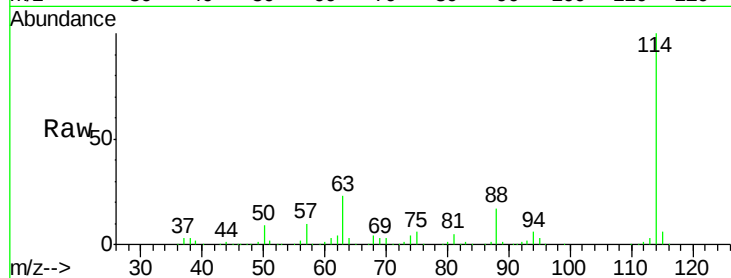
Tot Ion:114 Resp: 333354

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

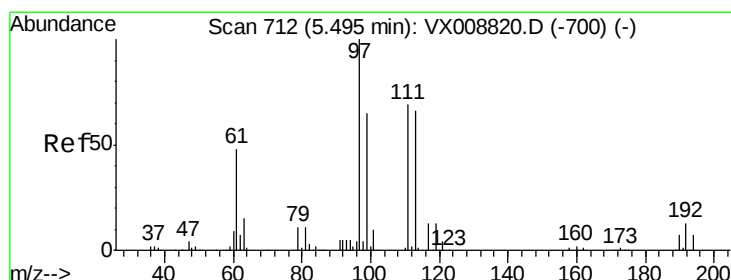
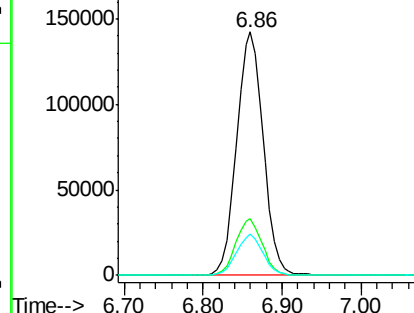
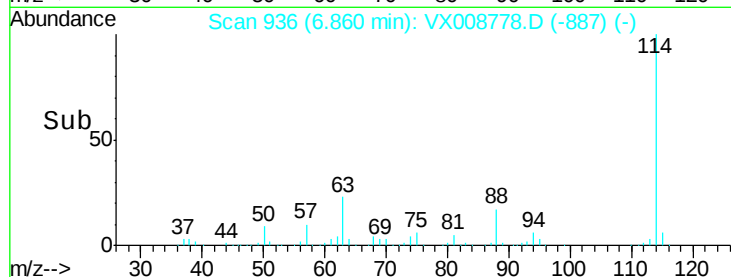
88 16.8 0.0 34.0



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: 47.463 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

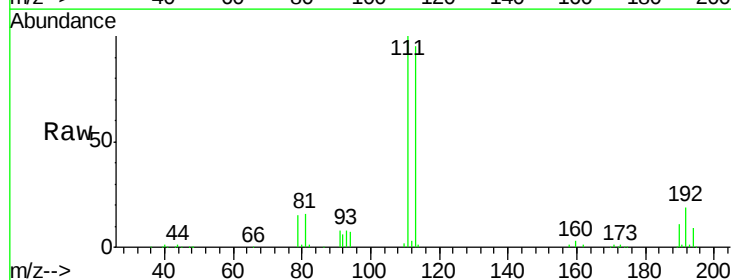
Tgt Ion:113 Resp: 101160

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

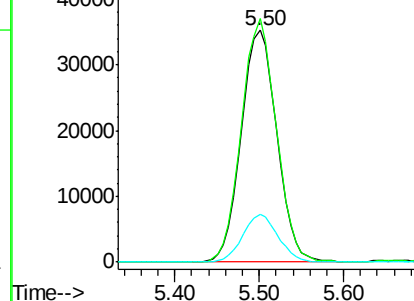
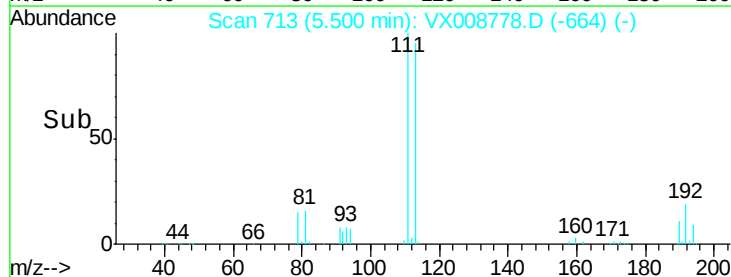
192 20.3 16.1 24.1

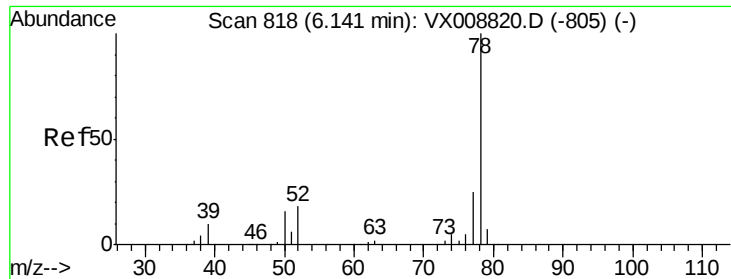


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 6.407 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

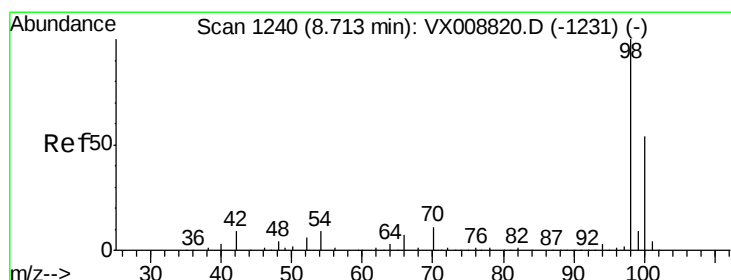
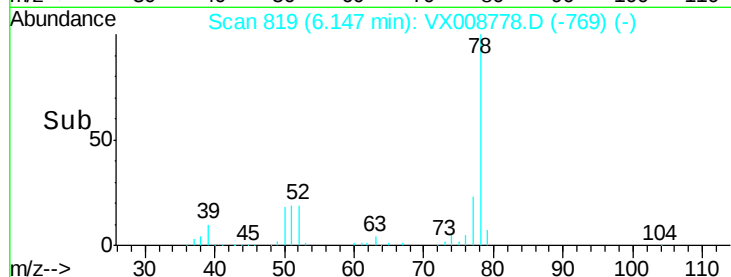
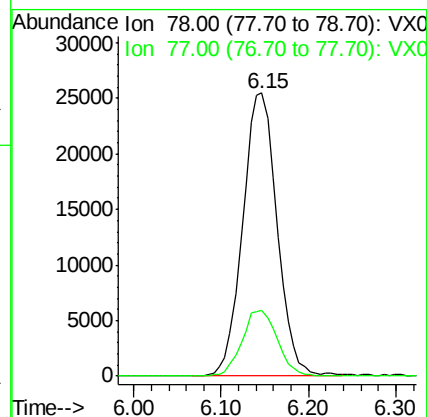
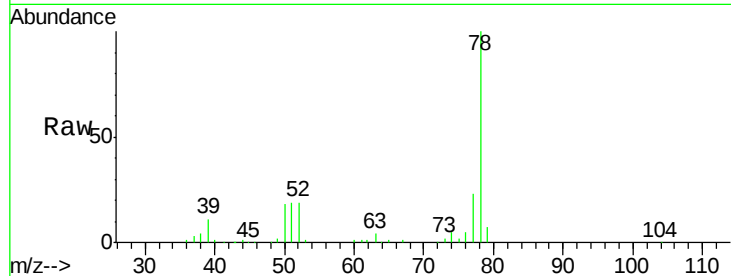
0238-COMP-CS-3-ELTRT

Tot Ion: 78 Resp: 69552

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



#50

Toluene-d8

Concen: 49.216 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008778.D

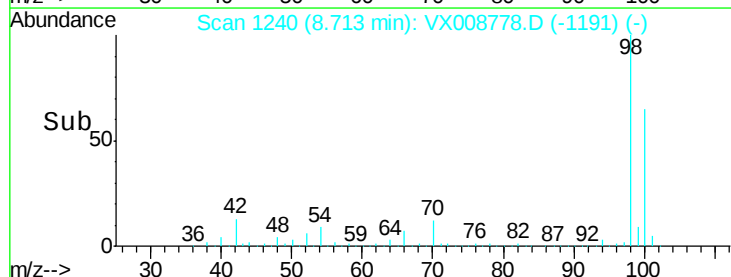
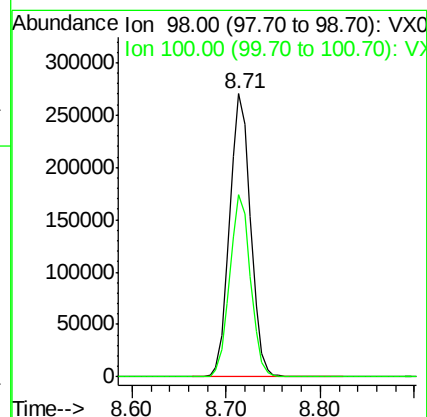
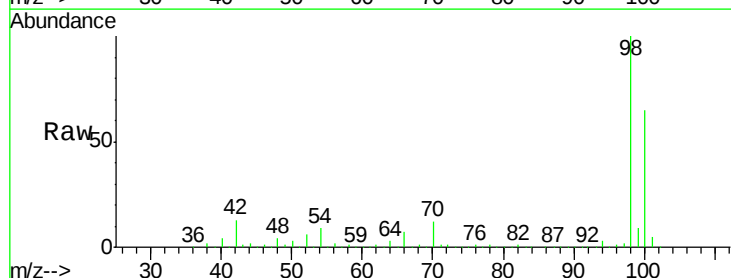
Acq: 09 Apr 2019 18:09

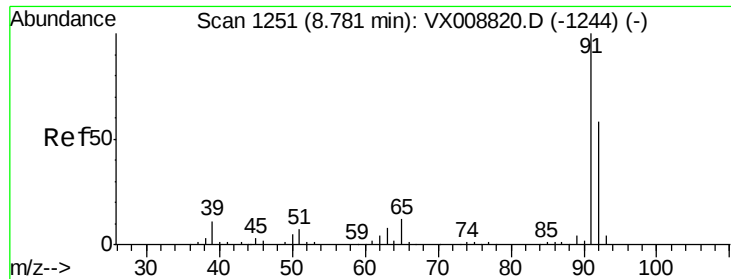
Tgt Ion: 98 Resp: 417669

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0





#52

Toluene

Concen: 1.025 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

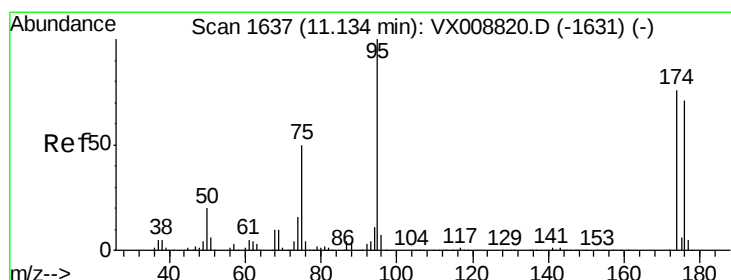
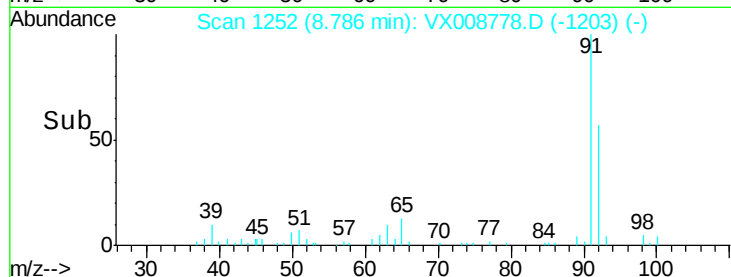
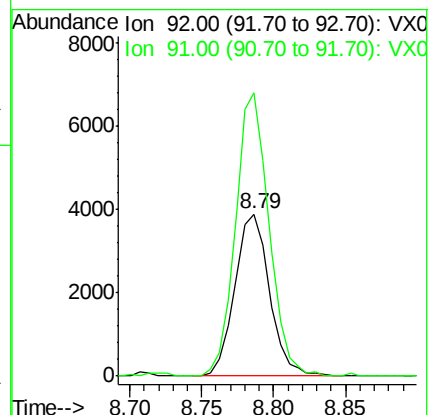
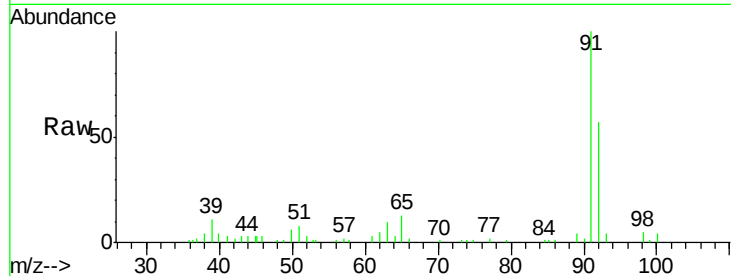
0238-COMP-CS-3-ELTRT

Tot Ion: 92 Resp: 6559

Ion Ratio Lower Upper

92 100

91 167.9 138.5 207.7



#62

4-Bromofluorobenzene

Concen: 46.250 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

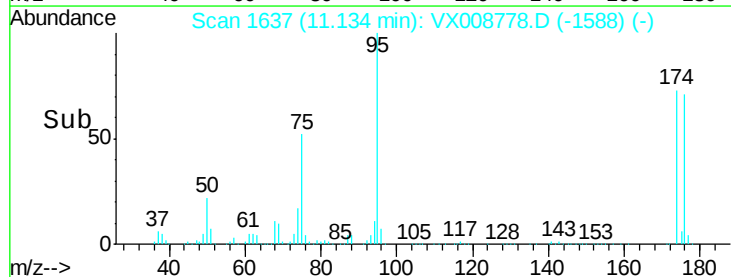
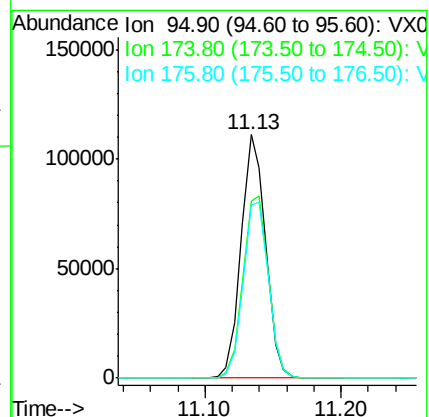
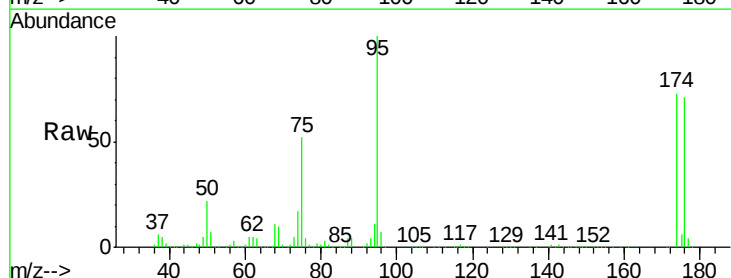
Tgt Ion: 95 Resp: 139185

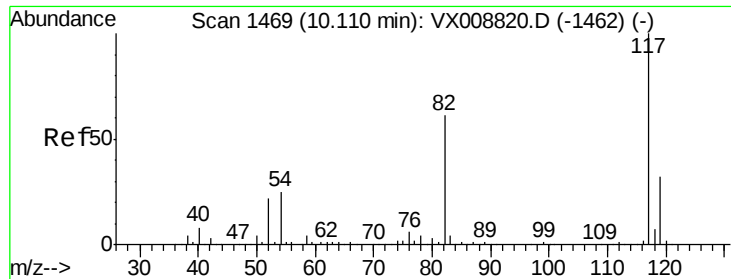
Ion Ratio Lower Upper

95 100

174 78.0 0.0 151.8

176 75.0 0.0 145.8

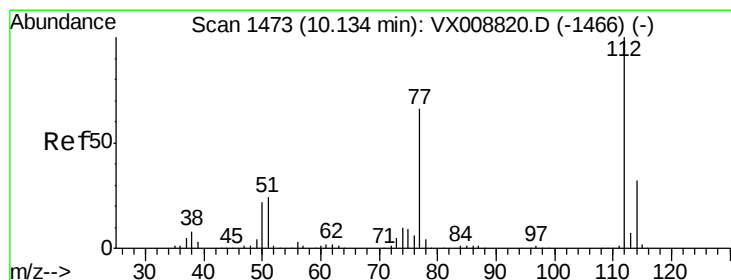
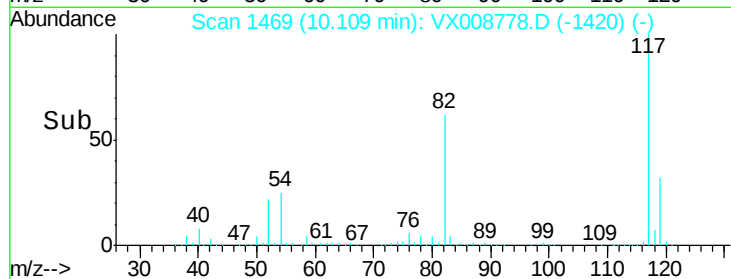
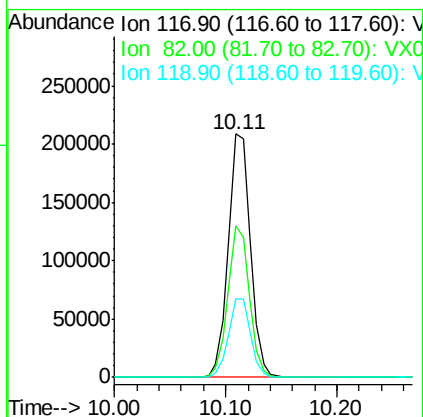
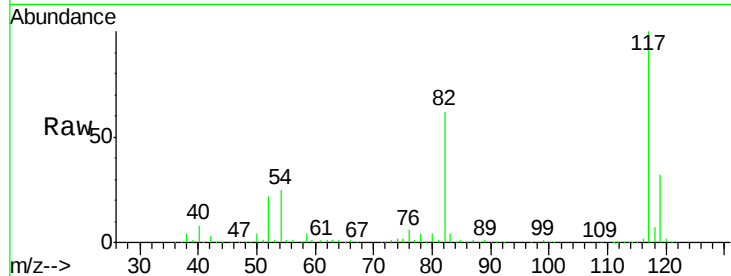




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

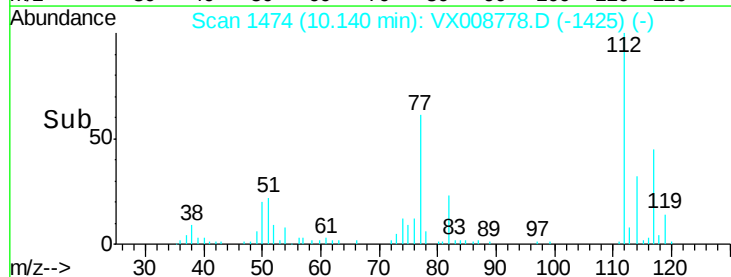
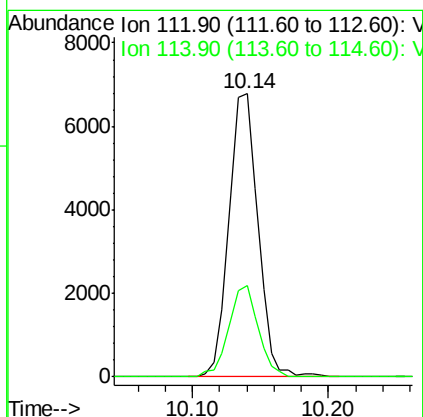
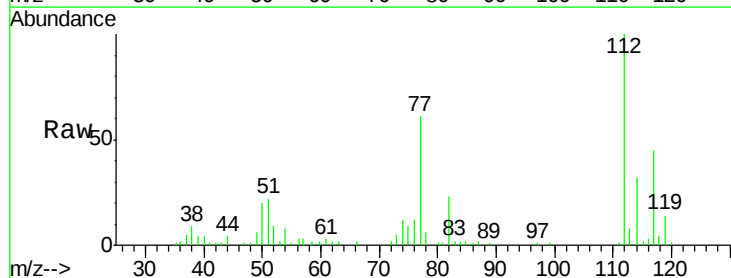
Instrument :
MSVOA_X
ClientSampleId :
0238-COMP-CS-3-ELTRT

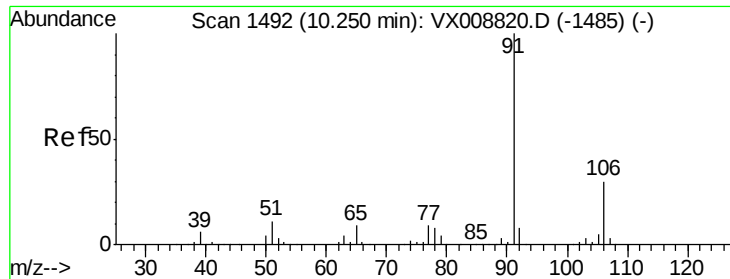
Tot Ion:117 Resp: 287395
Ion Ratio Lower Upper
117 100
82 62.2 49.6 74.4
119 32.3 25.0 37.4



#65
Chlorobenzene
Concen: 1.585 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Tgt Ion:112 Resp: 10098
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

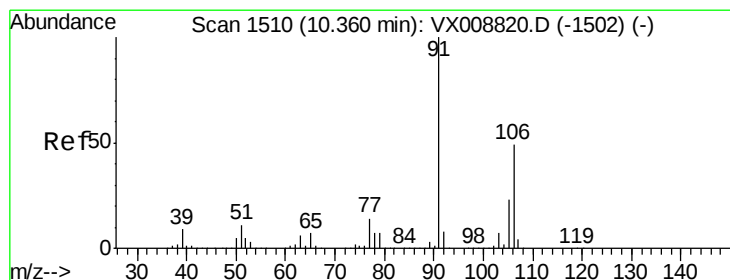
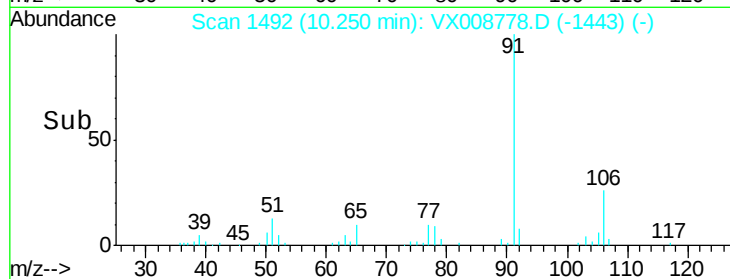
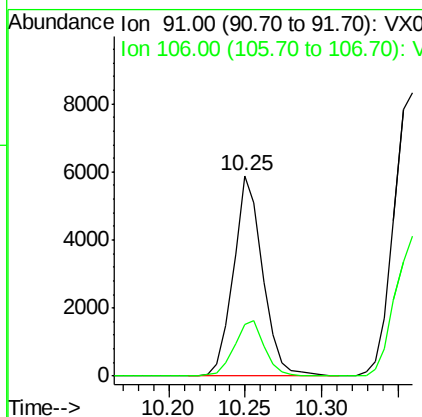
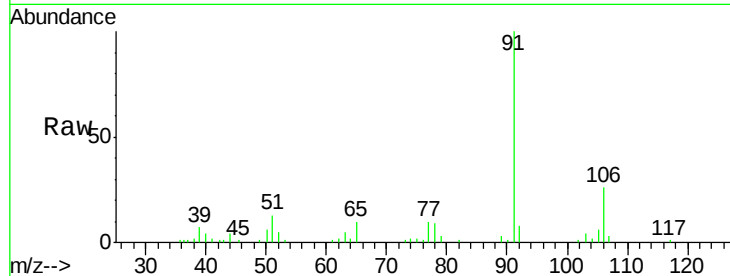




#67
Ethyl Benzene
Concen: 0.654 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

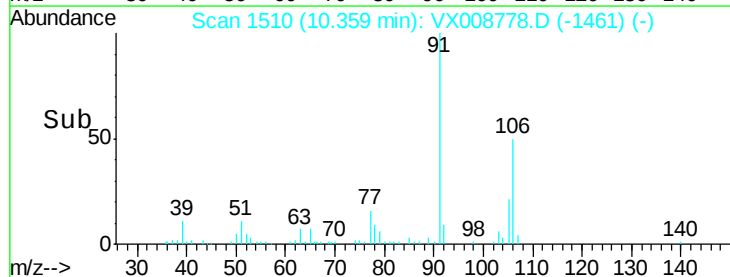
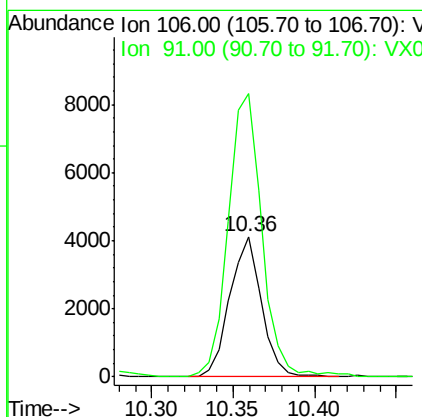
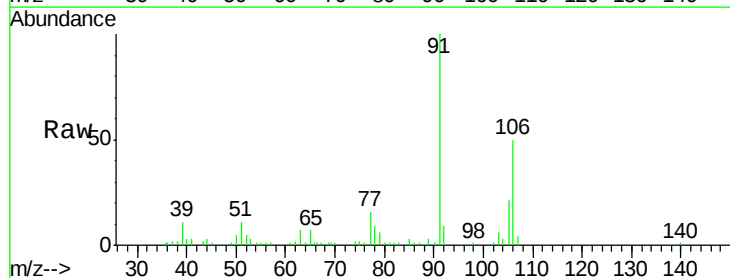
Instrument :
MSVOA_X
ClientSampleId :
0238-COMP-CS-3-ELTRT

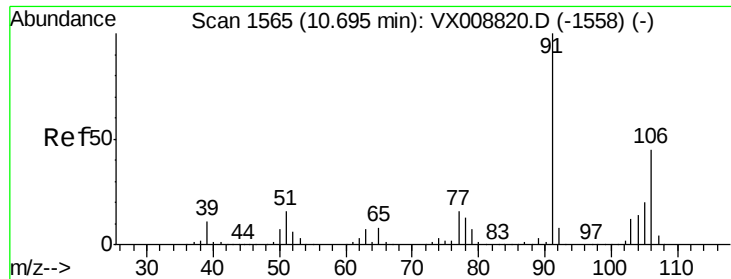
Tot Ion: 91 Resp: 7771
Ion Ratio Lower Upper
91 100
106 26.0 23.7 35.5



#68
m/p-Xylenes
Concen: 1.303 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Tgt Ion: 106 Resp: 5567
Ion Ratio Lower Upper
106 100
91 214.4 168.5 252.7

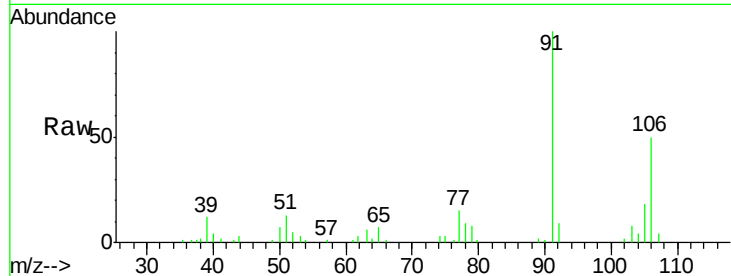




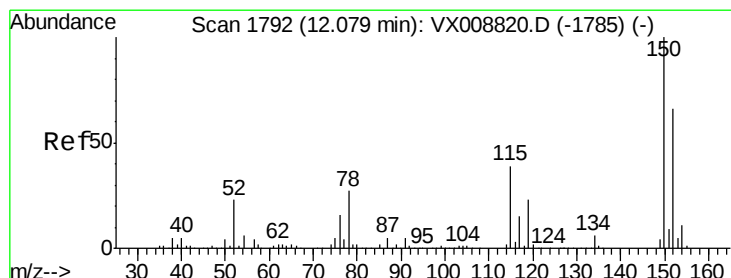
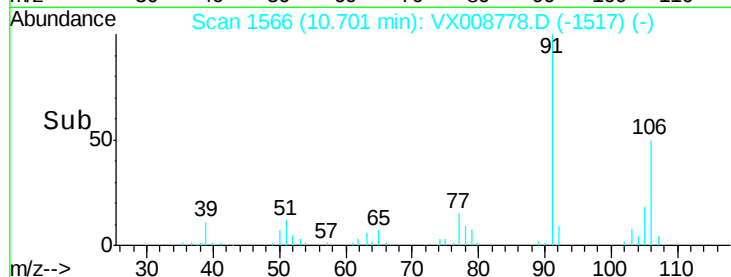
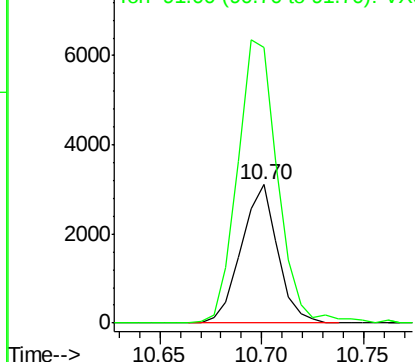
#69
o-Xylene
Concen: 0.926 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Instrument :
MSVOA_X
ClientSampleId :
0238-COMP-CS-3-ELTRT

Tot Ion:106 Resp: 3835
Ion Ratio Lower Upper
106 100
91 225.6 111.5 334.4

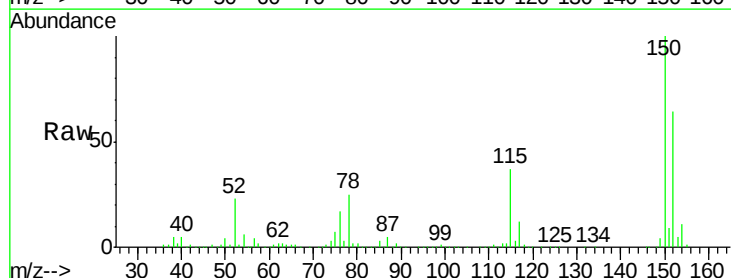


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

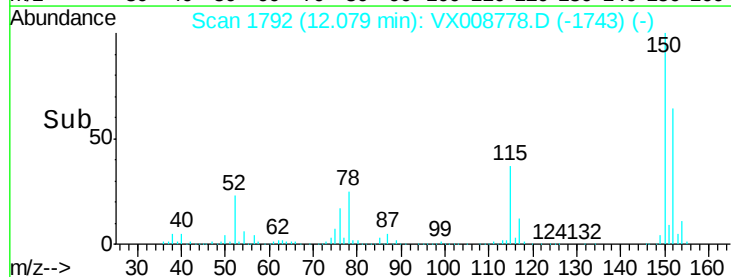
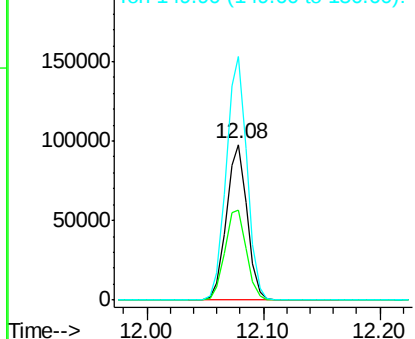


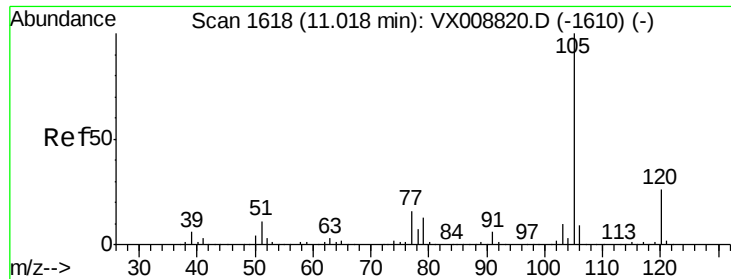
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008778.D
Acq: 09 Apr 2019 18:09

Tgt Ion:152 Resp: 120128
Ion Ratio Lower Upper
152 100
115 60.1 43.5 130.5
150 156.9 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: 1.305 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008778.D

Acq: 09 Apr 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

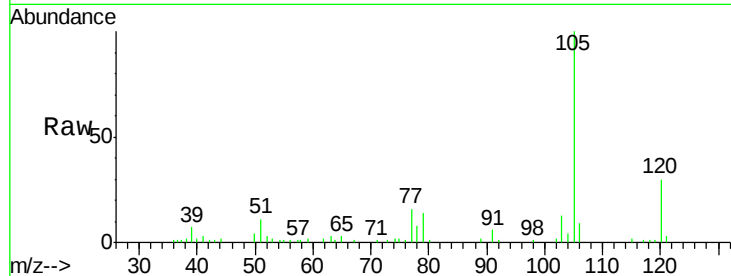
0238-COMP-CS-3-ELTRT

Tot Ion:105 Resp: 12990

Ion Ratio Lower Upper

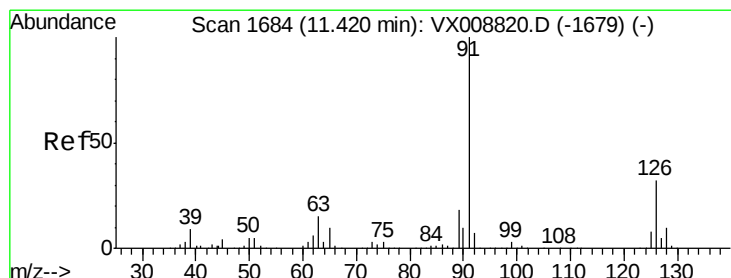
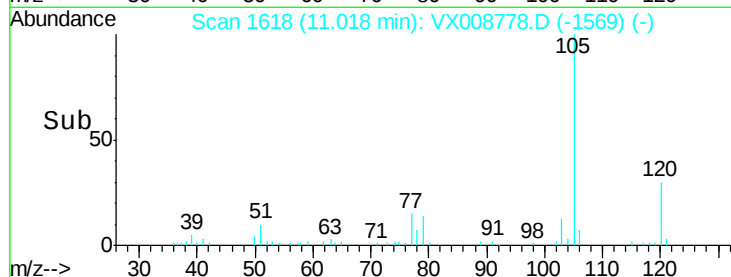
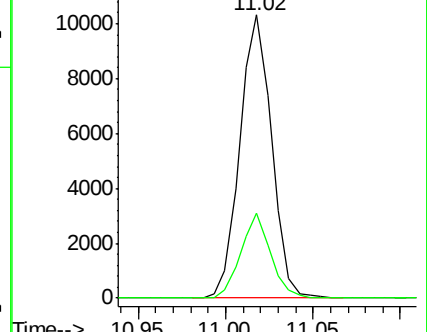
105 100

120 28.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.055 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008778.D

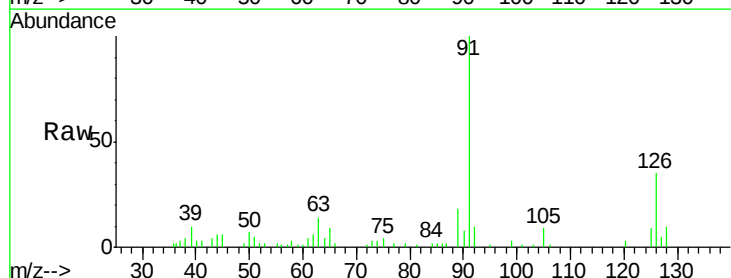
Acq: 09 Apr 2019 18:09

Tgt Ion: 91 Resp: 7400

Ion Ratio Lower Upper

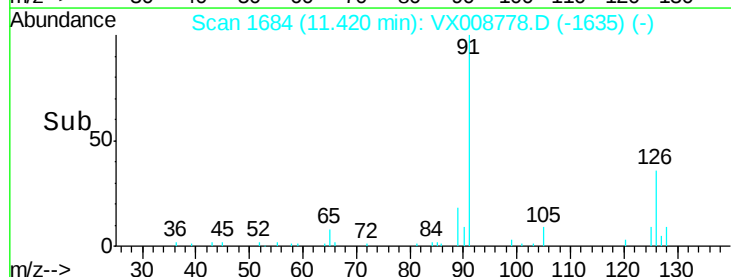
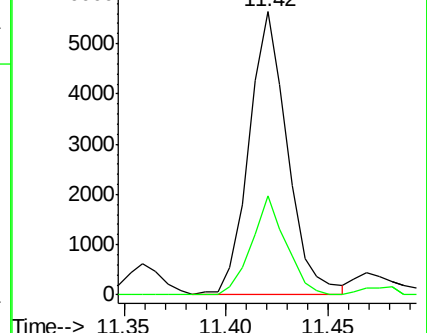
91 100

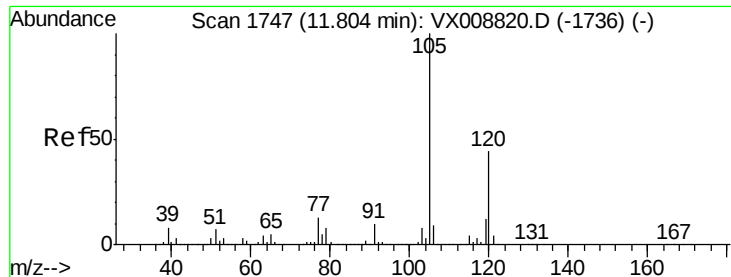
126 31.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

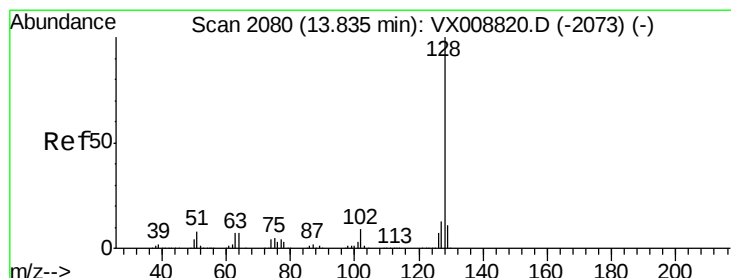
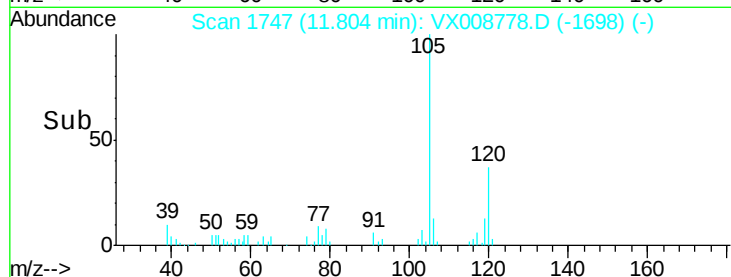
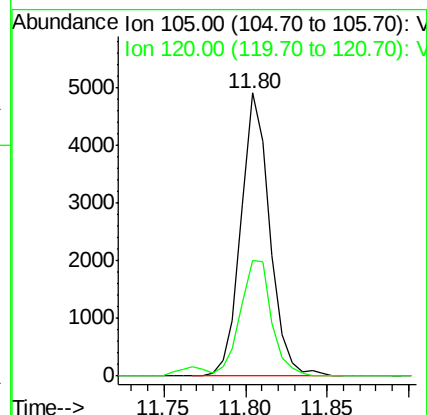
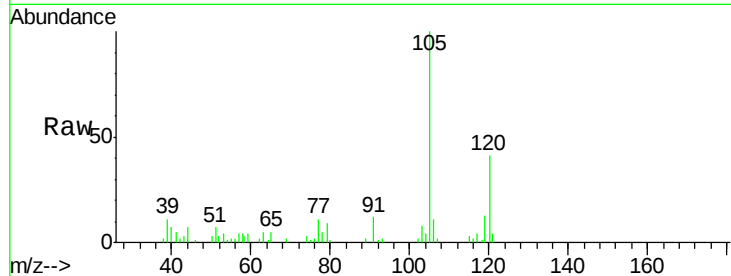




#84
 1,2,4-Trimethylbenzene
 Concen: 0.711 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008778.D
 Acq: 09 Apr 2019 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 0238-COMP-CS-3-ELTRT

Tot Ion:105 Resp: 6015
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.8 65.3



#95
 Naphthalene
 Concen: 1.135 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX008778.D
 Acq: 09 Apr 2019 18:09

Tgt Ion:128 Resp: 11222
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.4 15.6
 129 13.9 8.6 13.0#

