

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
 Data File : VX008919.D
 Acq On : 13 Apr 2019 04:45
 Operator : JC/SP
 Sample : K2364-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-COMP-2

Quant Time: Apr 13 07:09:07 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	5.66	168	200650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118920	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	128027	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
35) Dibromofluoromethane	5.50	113	93403	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
50) Toluene-d8	8.71	98	400616	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	132231	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	

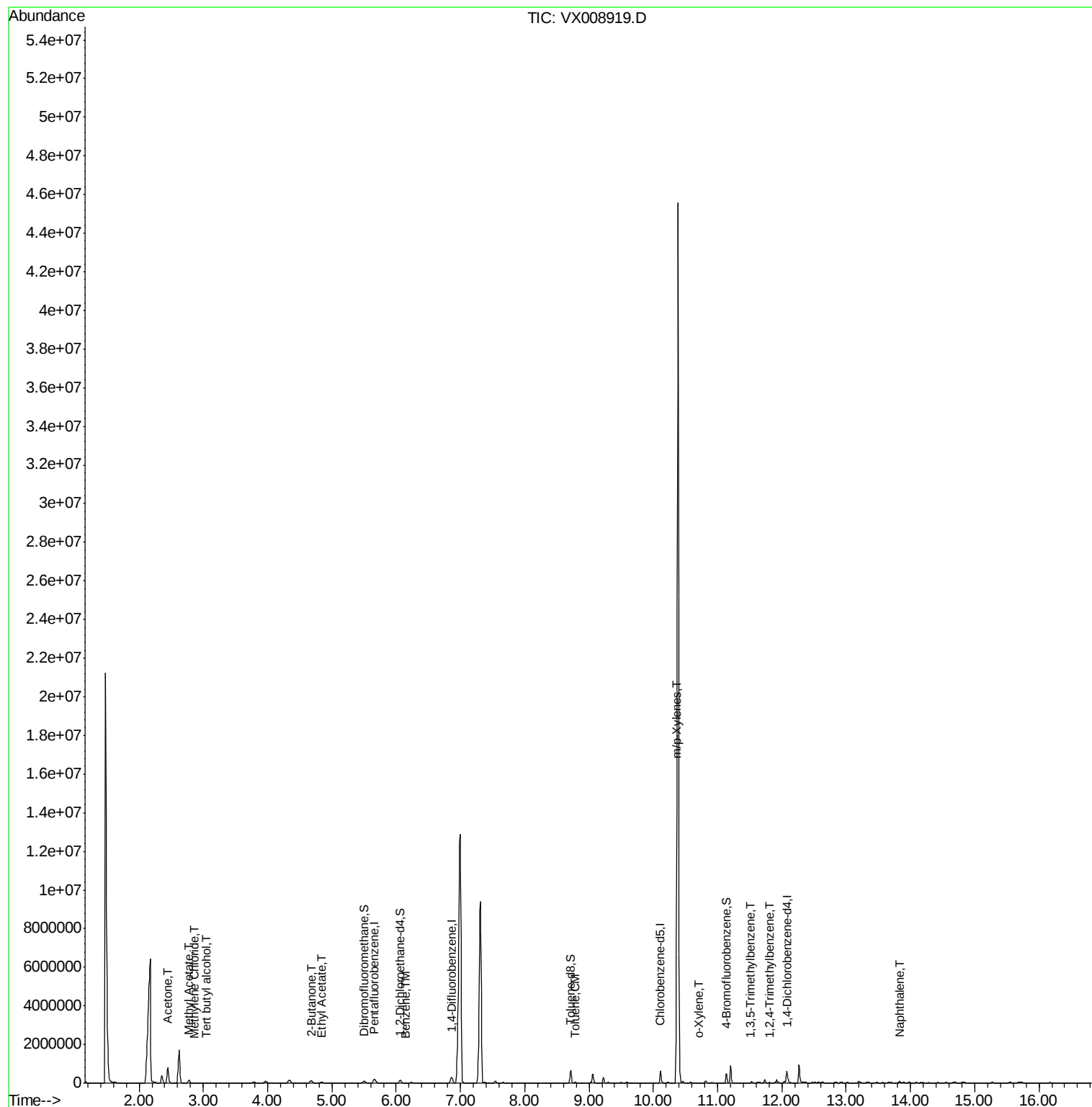
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.05	59	16419	23.964	ug/l #	93
16) Acetone	2.45	43	882635	523.622	ug/l	100
18) Methyl Acetate	2.78	43	206912	50.613	ug/l	99
20) Methylene Chloride	2.86	84	2962	1.050	ug/l	84
25) 2-Butanone	4.68	43	227509	85.395	ug/l	100
37) Ethyl Acetate	4.84	43	99472	21.417	ug/l	98
40) Benzene	6.15	78	8707	0.840	ug/l	94
52) Toluene	8.79	92	11359	1.859	ug/l	98
68) m/p-Xylenes	10.36	106	3527	0.845	ug/l	89
69) o-Xylene	10.70	106	1542	0.381	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	2748	0.332	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	11801	1.409	ug/l	86
95) Naphthalene	13.83	128	42922	4.386	ug/l	97

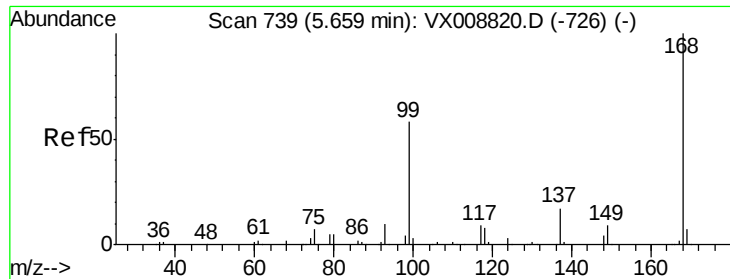
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

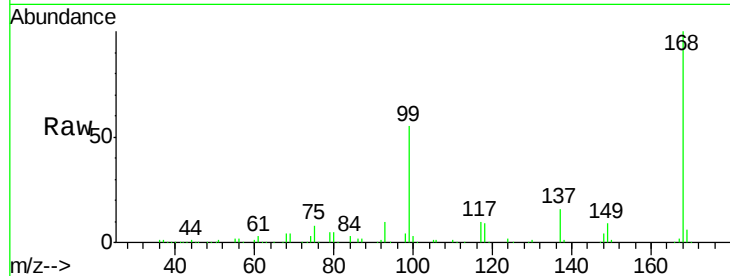
OR-COMP-2

Tgt Ion:168 Resp: 200650

Ion Ratio Lower Upper

168 100

99 55.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008820.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX008820.D (-726) (-)

5.66

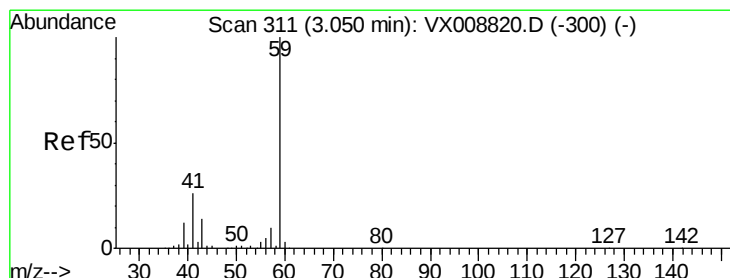
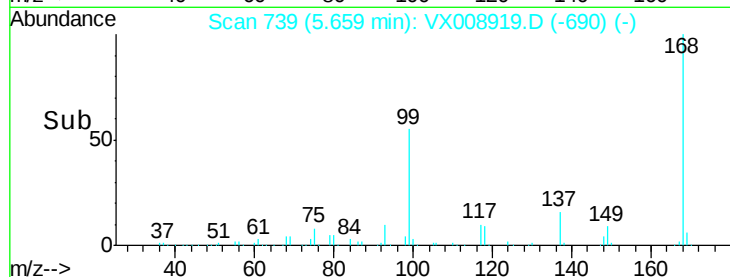
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 23.964 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.01 min

Lab File: VX008919.D

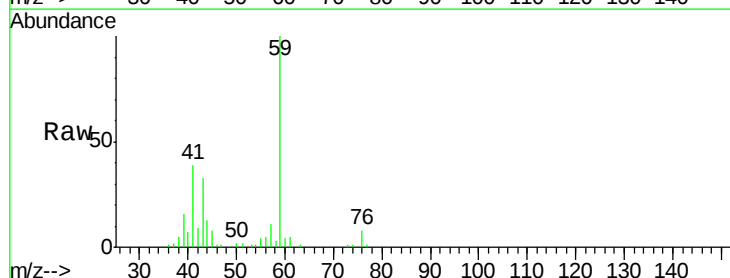
Acq: 13 Apr 2019 04:45

Tgt Ion: 59 Resp: 16419

Ion Ratio Lower Upper

59 100

57 13.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX008820.D (-300) (-)

Ion 57.00 (56.70 to 57.70): VX008820.D (-300) (-)

3.05

8000

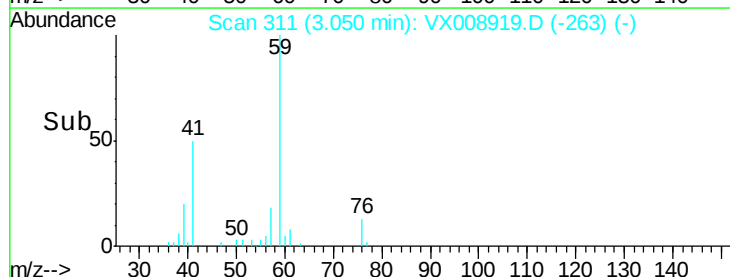
6000

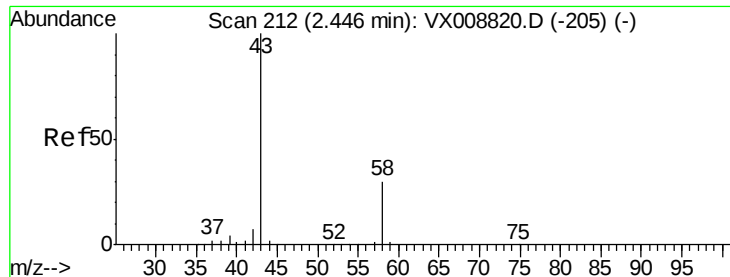
4000

2000

0

Time--> 2.90 3.00 3.10

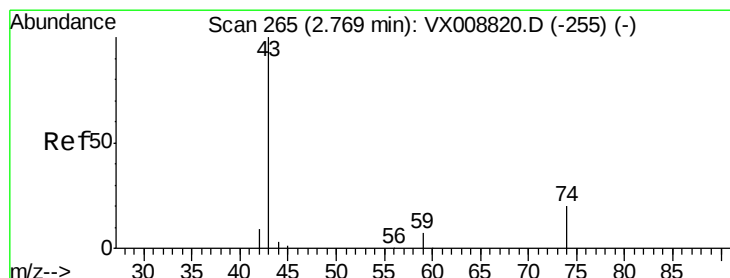
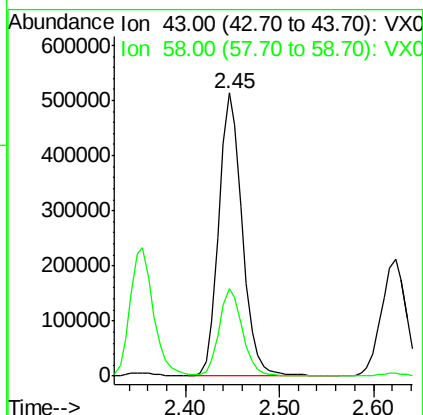
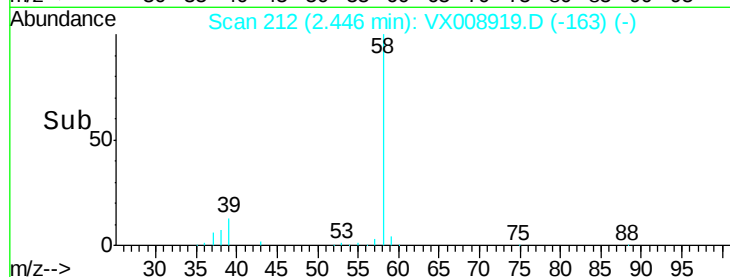
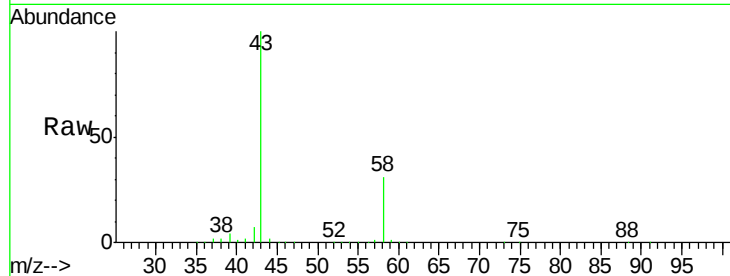




#16
Acetone
Concen: 523.622 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

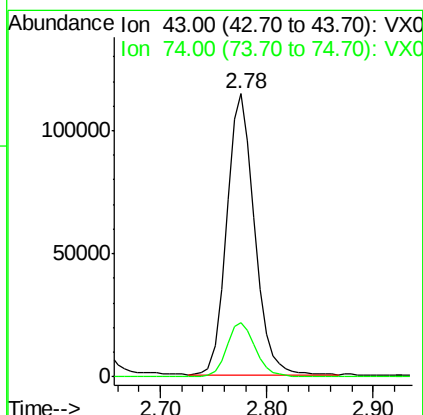
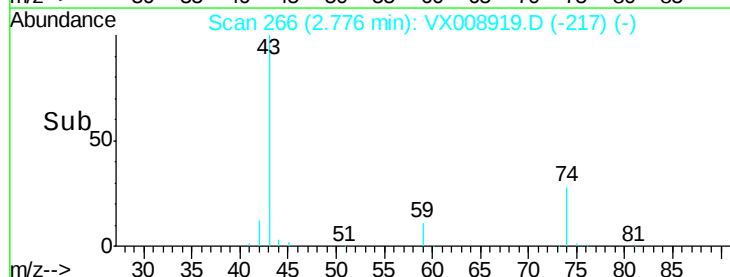
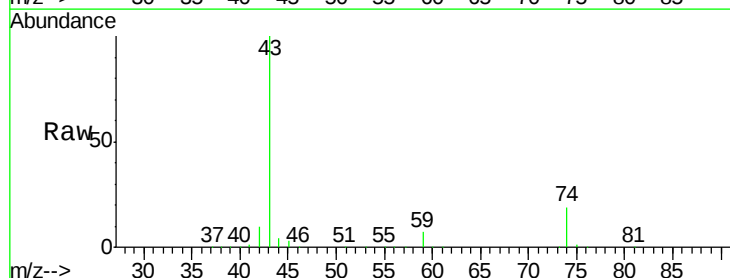
Instrument :
MSVOA_X
ClientSampleId :
OR-COMP-2

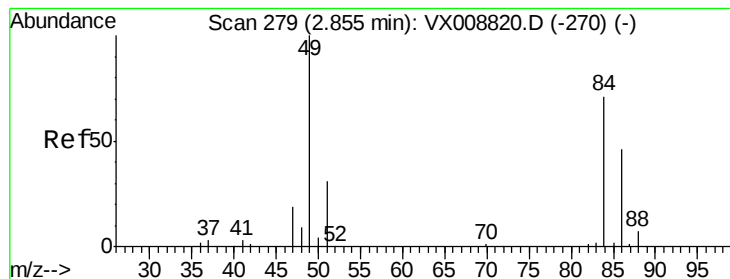
Tgt Ion: 43 Resp: 882635
Ion Ratio Lower Upper
43 100
58 30.9 24.8 37.2



#18
Methyl Acetate
Concen: 50.613 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Tgt Ion: 43 Resp: 206912
Ion Ratio Lower Upper
43 100
74 20.1 16.5 24.7





#20

Methylene Chloride

Concen: 1.050 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

Instrument :

MSVOA_X

ClientSampled :

OR-COMP-2

Tgt Ion: 84 Resp: 2962

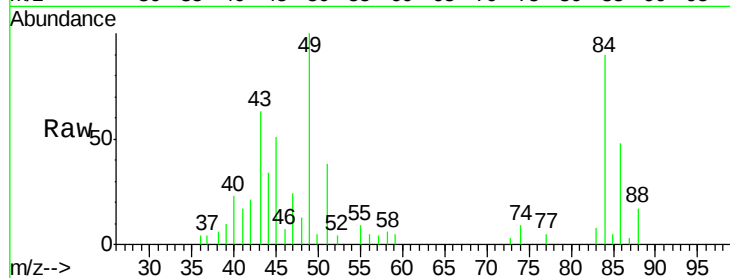
Ion Ratio Lower Upper

84 100

49 111.4 109.7 164.5

51 42.5 33.6 50.4

86 53.9 51.4 77.2

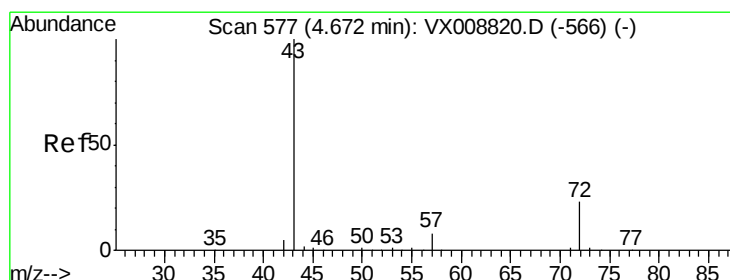
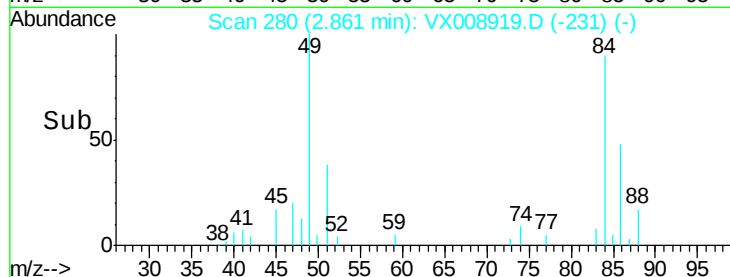
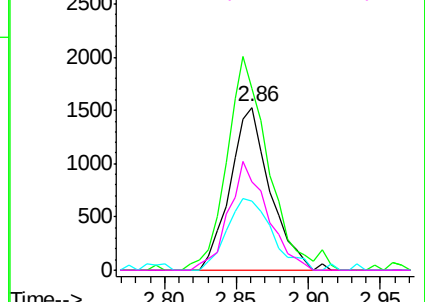


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 85.395 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008919.D

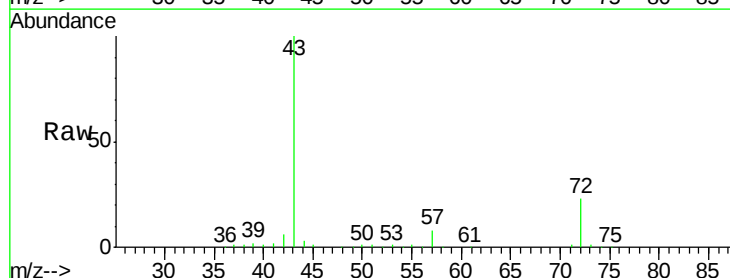
Acq: 13 Apr 2019 04:45

Tgt Ion: 43 Resp: 227509

Ion Ratio Lower Upper

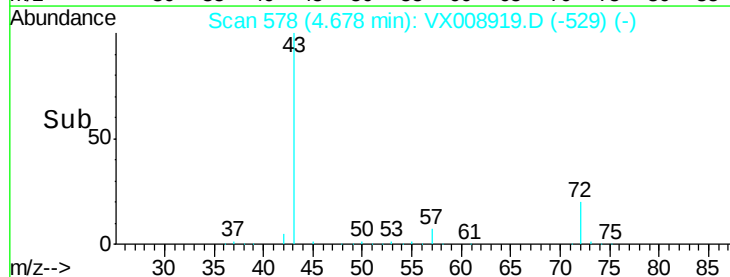
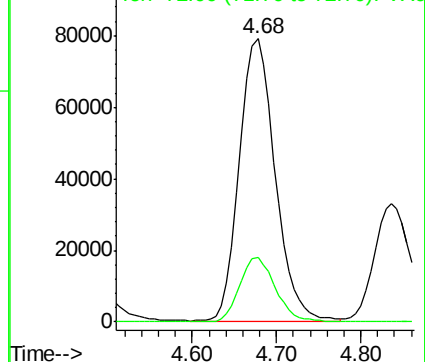
43 100

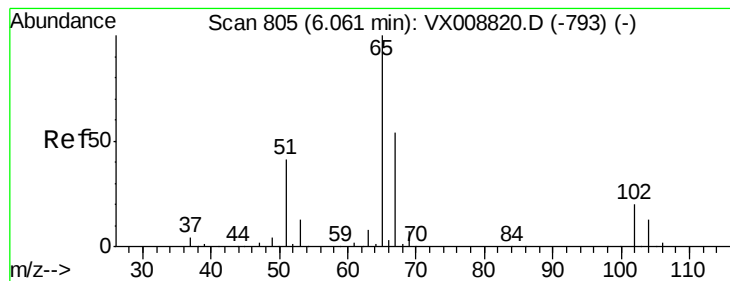
72 22.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.746 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

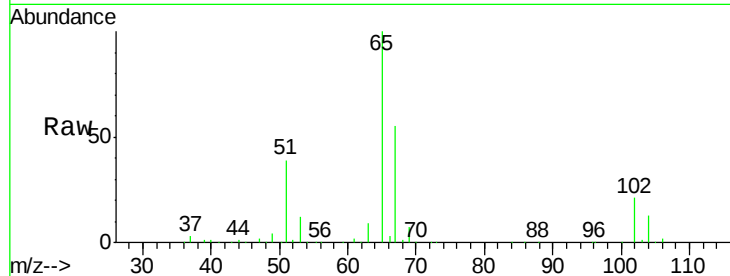
OR-COMP-2

Tgt Ion: 65 Resp: 128027

Ion Ratio Lower Upper

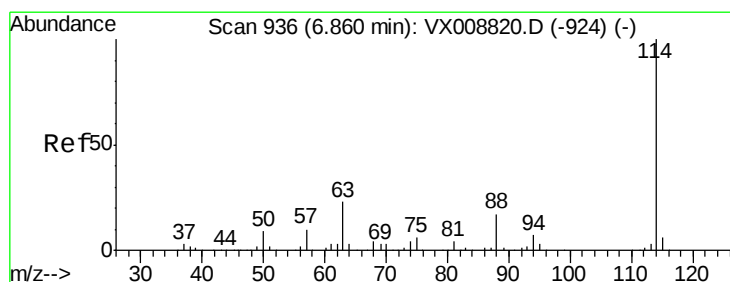
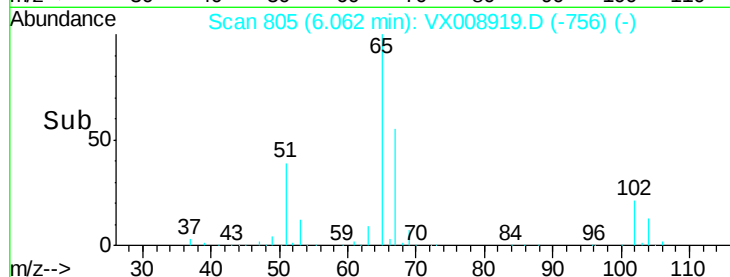
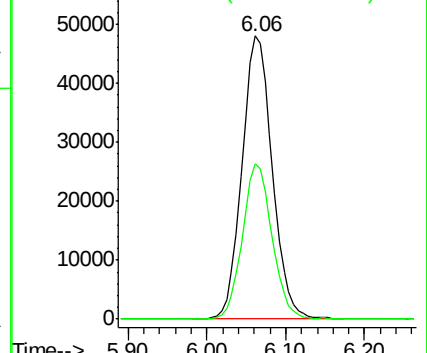
65 100

67 54.0 0.0 107.2



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: VX008919.D

Acq: 13 Apr 2019 04:45

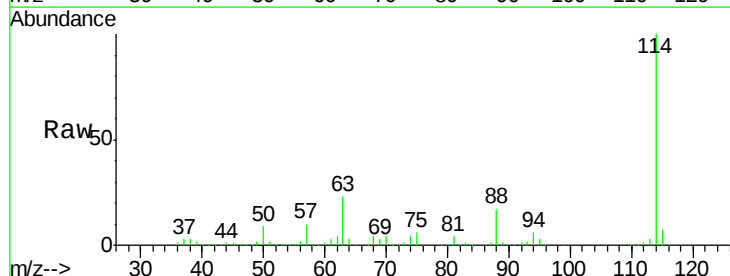
Tgt Ion: 114 Resp: 318318

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.2

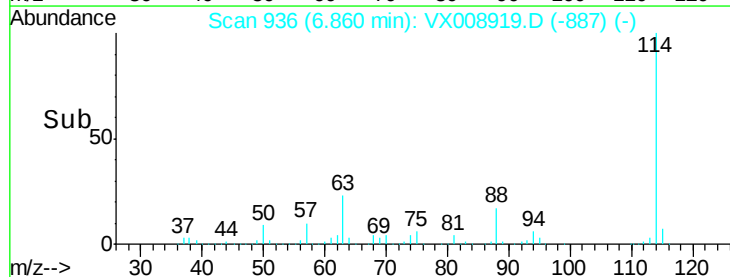
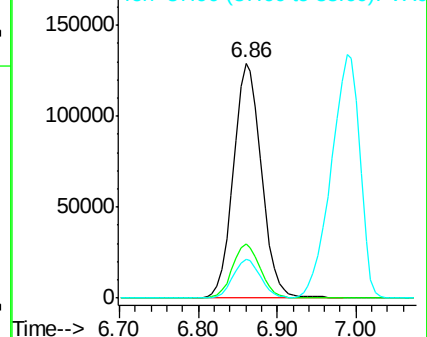
88 16.7 0.0 34.0

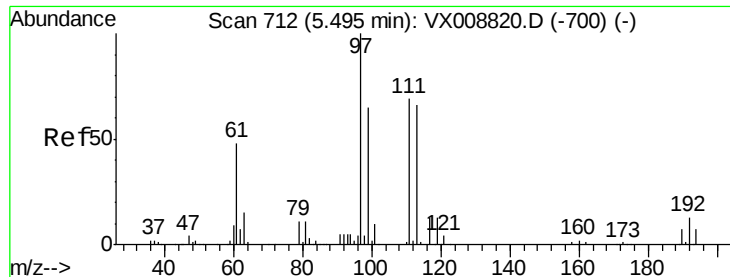


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

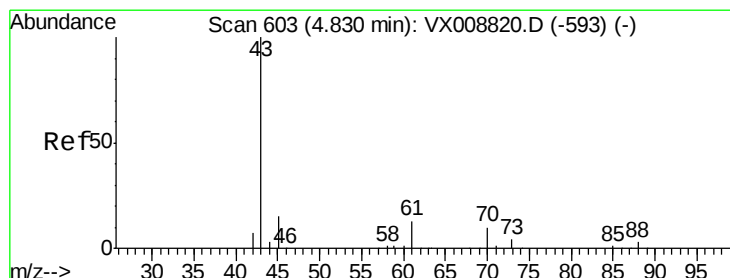
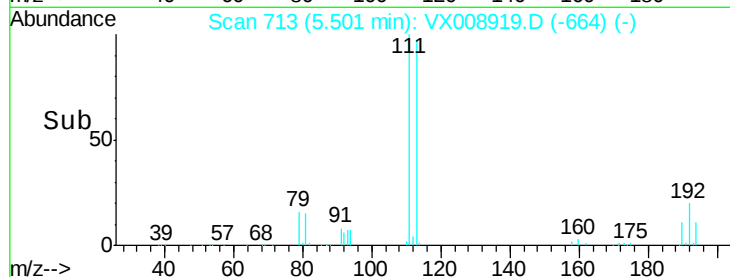
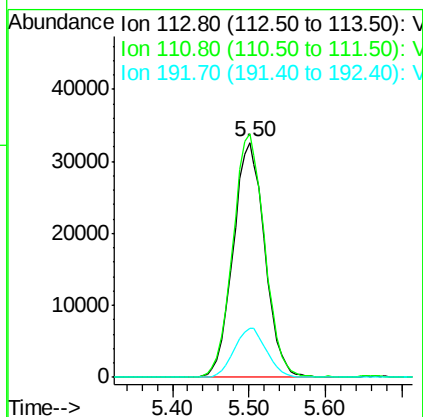
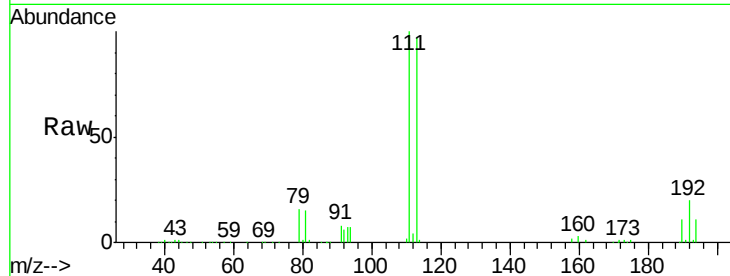




#35
 Dibromofluoromethane
 Concen: 45.894 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008919.D
 Acq: 13 Apr 2019 04:45

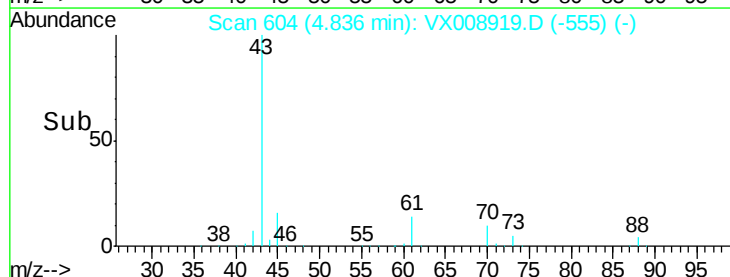
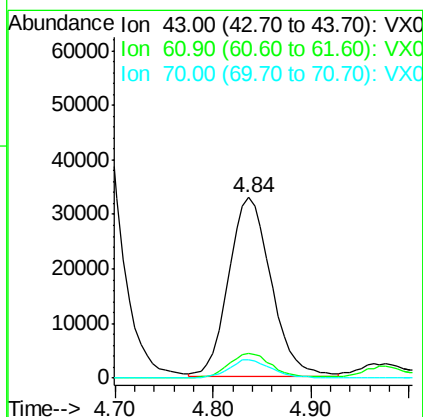
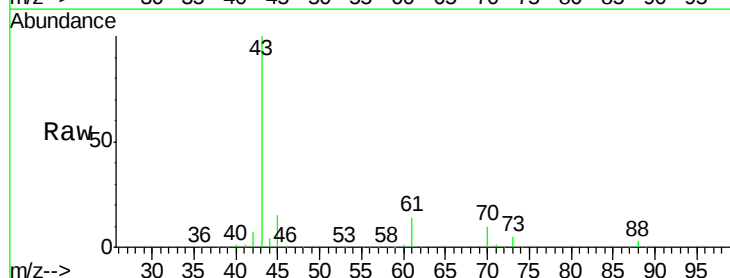
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-COMP-2

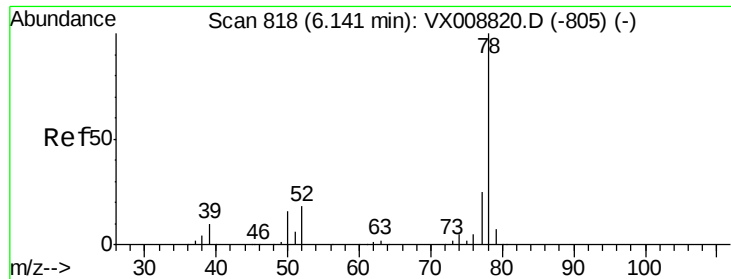
Tgt Ion:113 Resp: 93403
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.4 125.2
 192 21.2 16.1 24.1



#37
 Ethyl Acetate
 Concen: 21.417 ug/l
 RT: 4.84 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX008919.D
 Acq: 13 Apr 2019 04:45

Tgt Ion: 43 Resp: 99472
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.3 15.5
 70 10.4 7.6 11.4

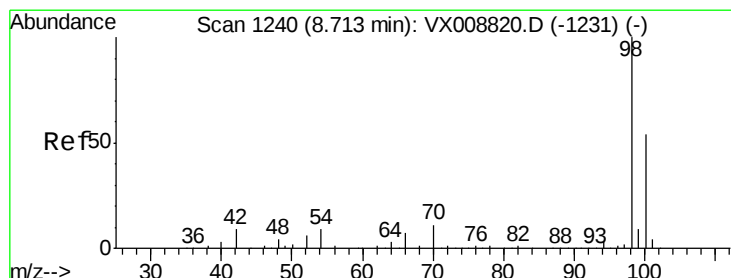
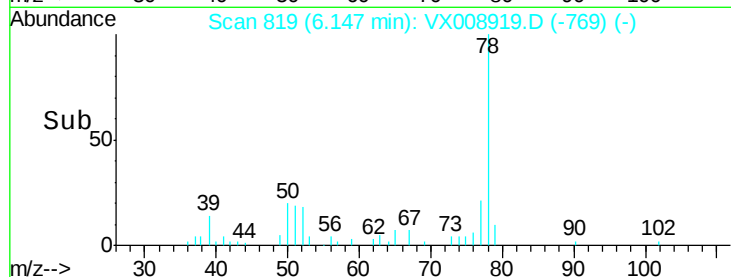
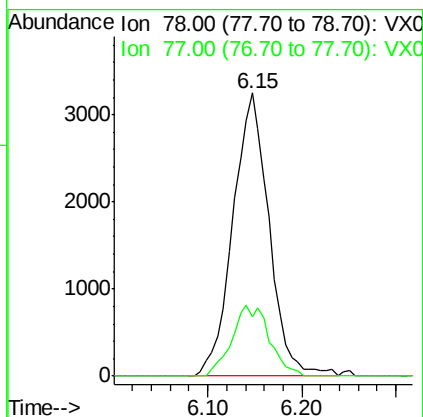
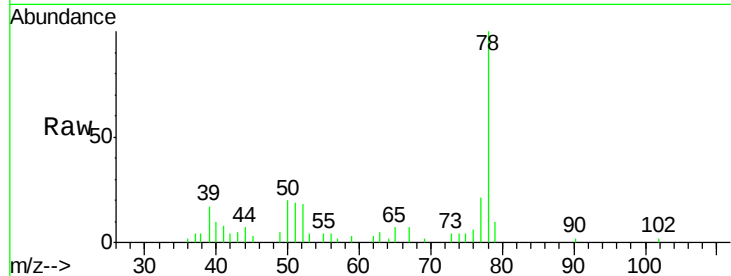




#40
Benzene
Concen: 0.840 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

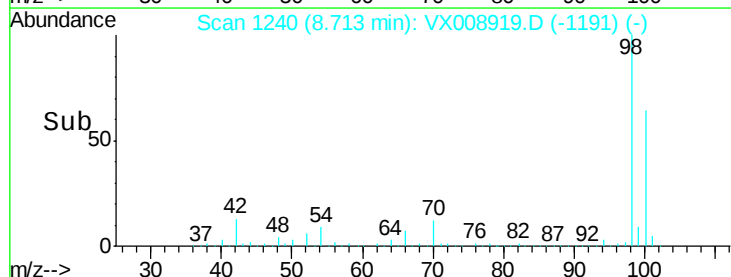
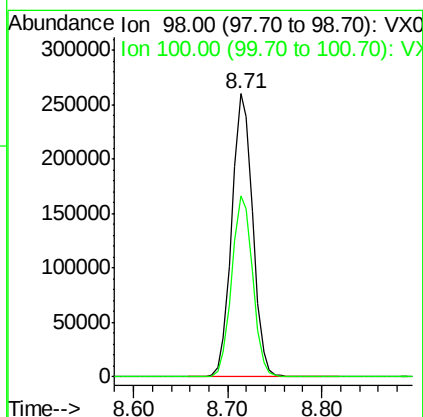
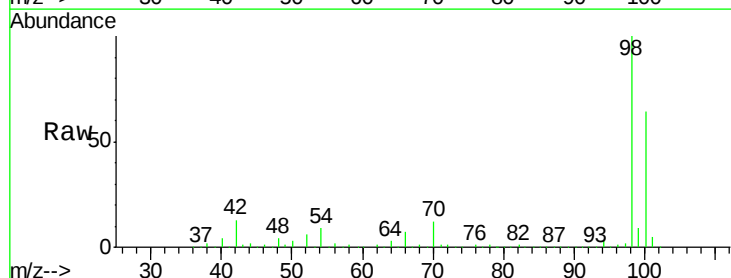
Instrument :
MSVOA_X
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OR-COMP-2

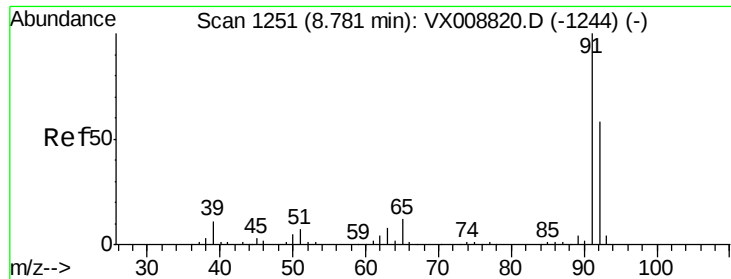
Tgt Ion: 78 Resp: 8707
Ion Ratio Lower Upper
78 100
77 20.9 19.1 28.7



#50
Toluene-d8
Concen: 49.437 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Tgt Ion: 98 Resp: 400616
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#52

Toluene

Concen: 1.859 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

Instrument :

MSVOA_X

ClientSampled :

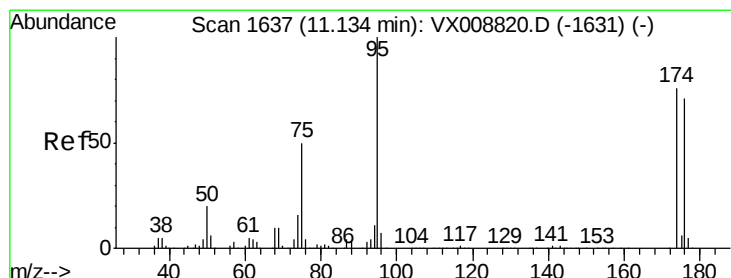
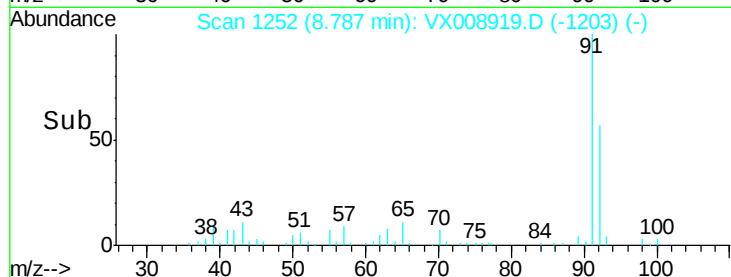
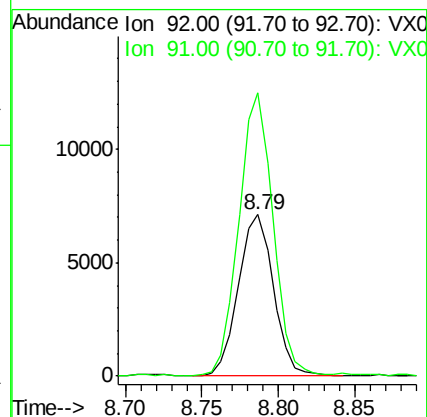
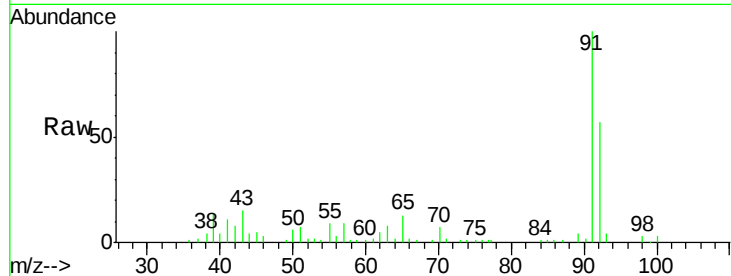
OR-COMP-2

Tgt Ion: 92 Resp: 11359

Ion Ratio Lower Upper

92 100

91 170.6 138.5 207.7



#62

4-Bromofluorobenzene

Concen: 46.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

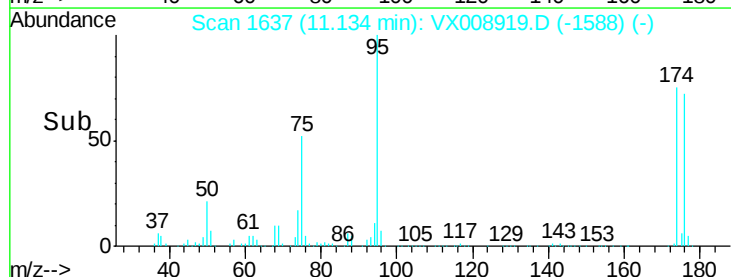
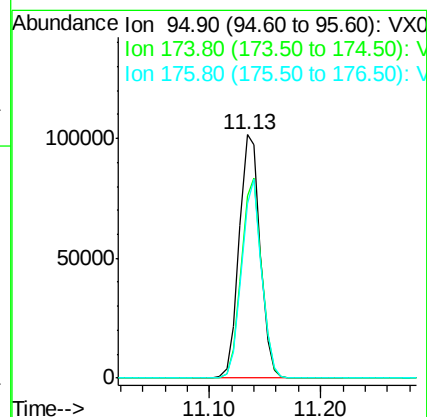
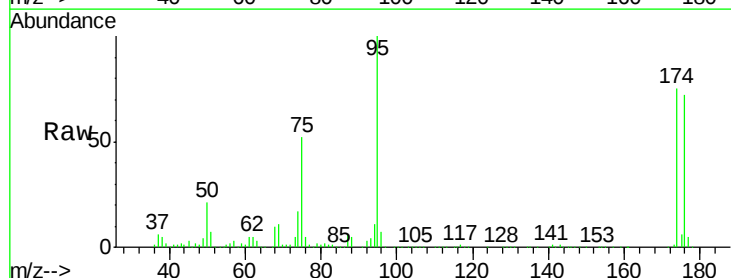
Tgt Ion: 95 Resp: 132231

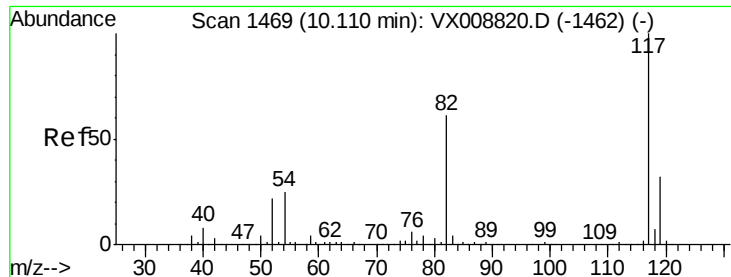
Ion Ratio Lower Upper

95 100

174 79.8 0.0 151.8

176 77.7 0.0 145.8

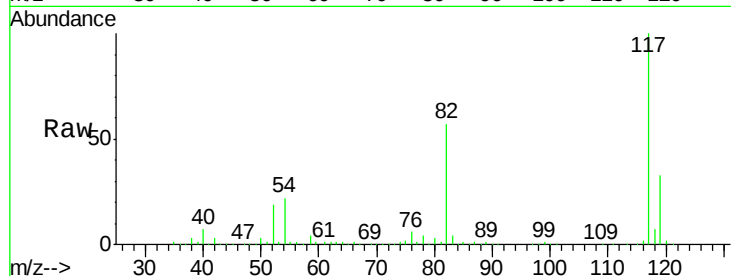




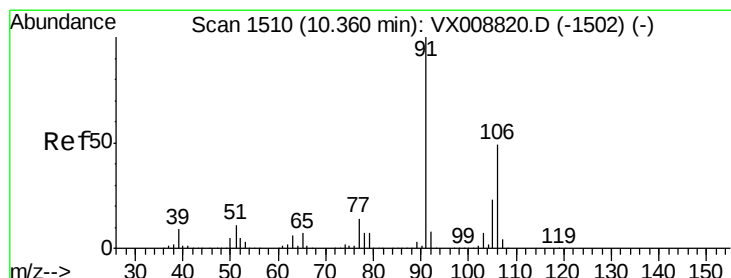
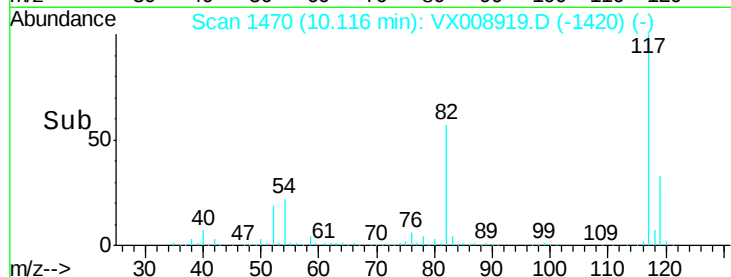
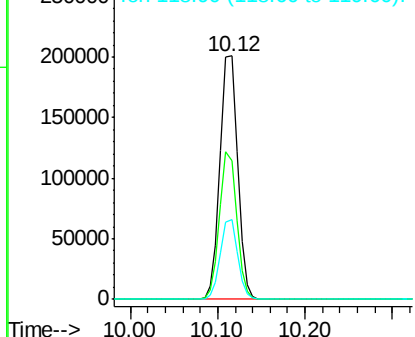
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Instrument :
MSVOA_X
ClientSampled :
OR-COMP-2

Tgt Ion:117 Resp: 280986
Ion Ratio Lower Upper
117 100
82 57.0 49.6 74.4
119 32.7 25.0 37.4

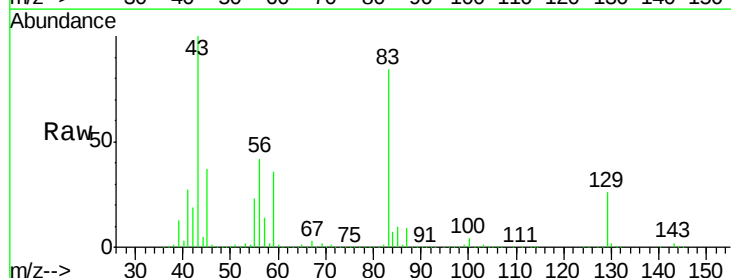


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

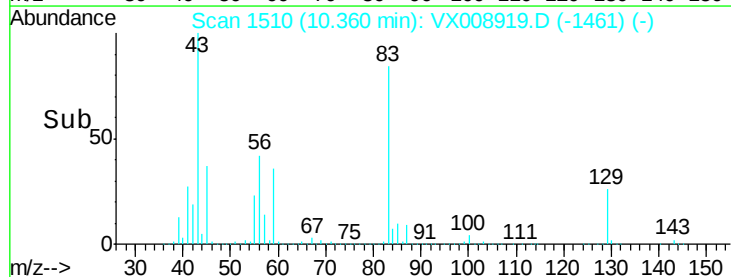
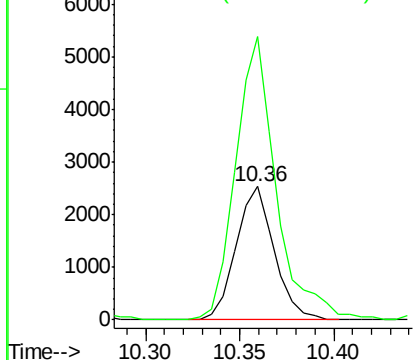


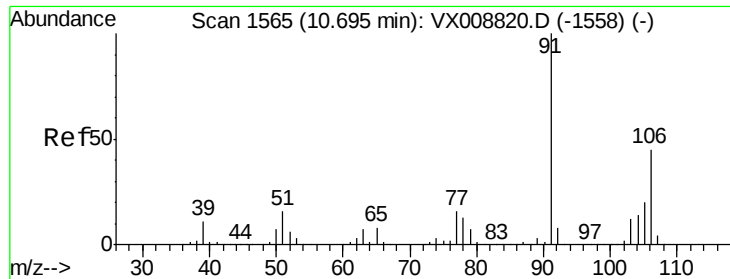
#68
m/p-Xylenes
Concen: 0.845 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Tgt Ion:106 Resp: 3527
Ion Ratio Lower Upper
106 100
91 227.8 168.5 252.7



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

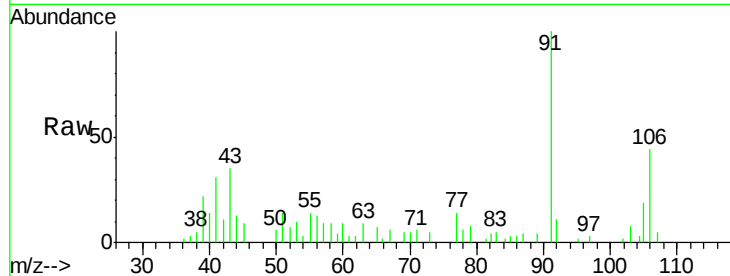




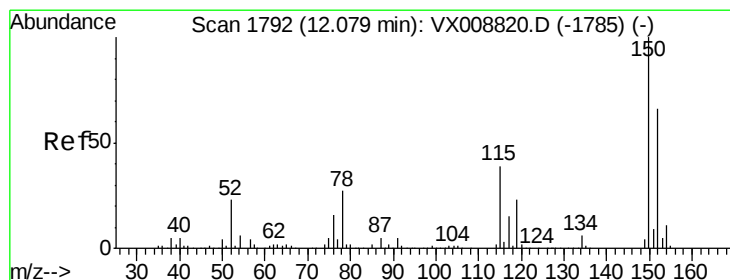
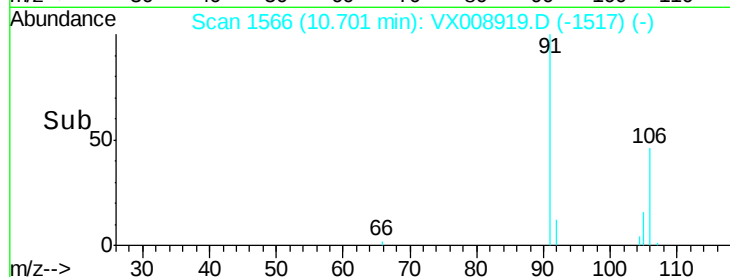
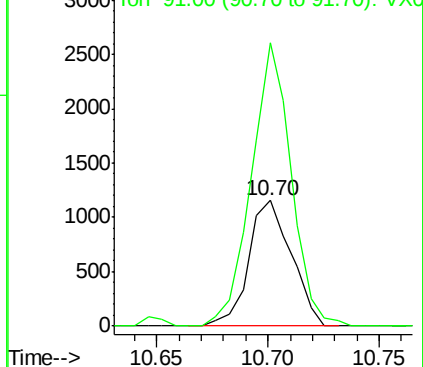
#69
o-Xylene
Concen: 0.381 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Instrument :
MSVOA_X
ClientSampled :
OR-COMP-2

Tgt Ion:106 Resp: 1542
Ion Ratio Lower Upper
106 100
91 211.1 111.5 334.4

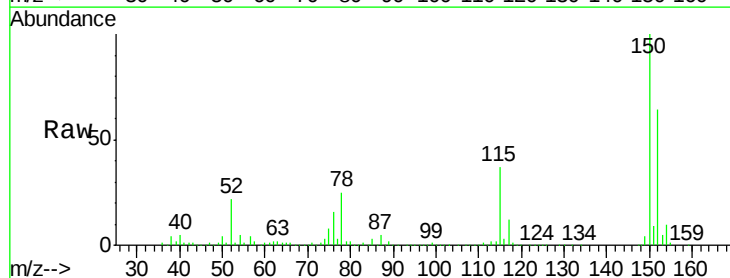


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

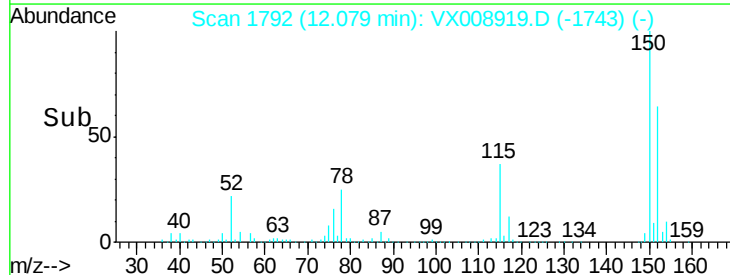
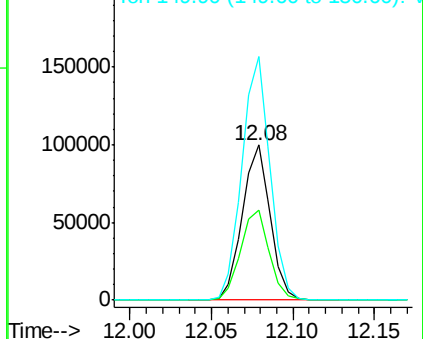


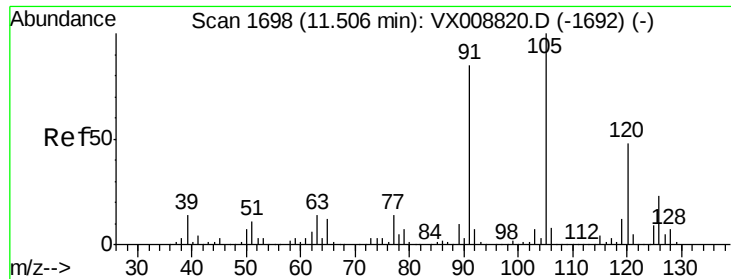
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Tgt Ion:152 Resp: 118920
Ion Ratio Lower Upper
152 100
115 60.0 43.5 130.5
150 158.5 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





#80

1,3,5-Trimethylbenzene

Concen: 0.332 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008919.D

Acq: 13 Apr 2019 04:45

Instrument :

MSVOA_X

ClientSampled :

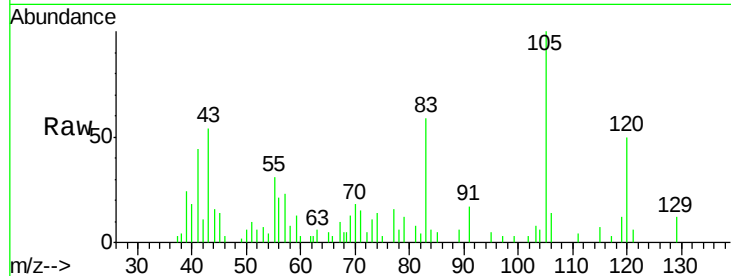
OR-COMP-2

Tgt Ion:105 Resp: 2748

Ion Ratio Lower Upper

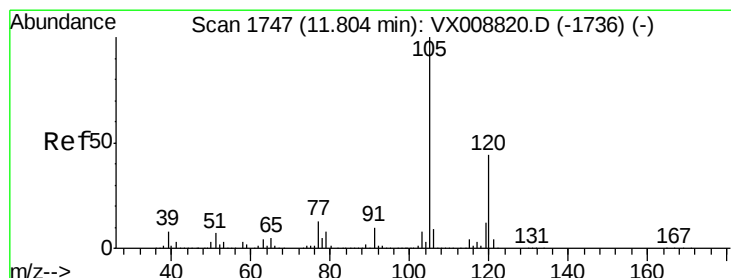
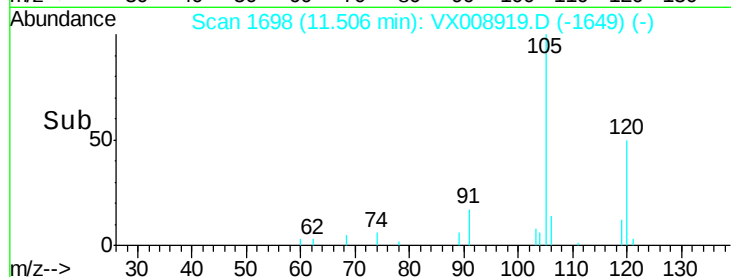
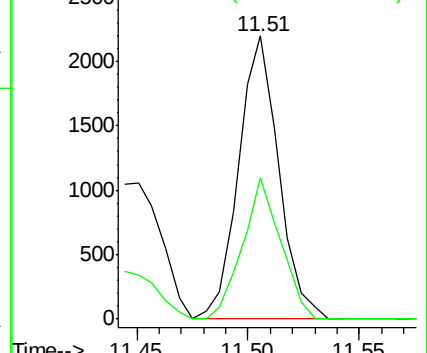
105 100

120 47.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.409 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008919.D

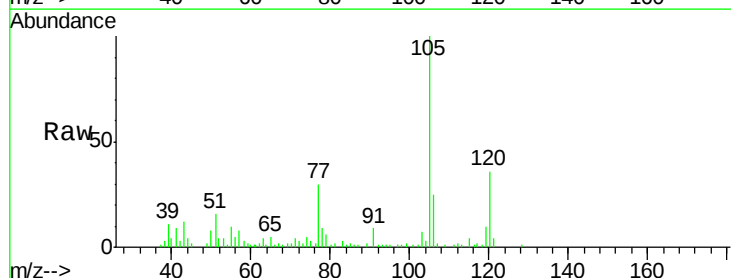
Acq: 13 Apr 2019 04:45

Tgt Ion:105 Resp: 11801

Ion Ratio Lower Upper

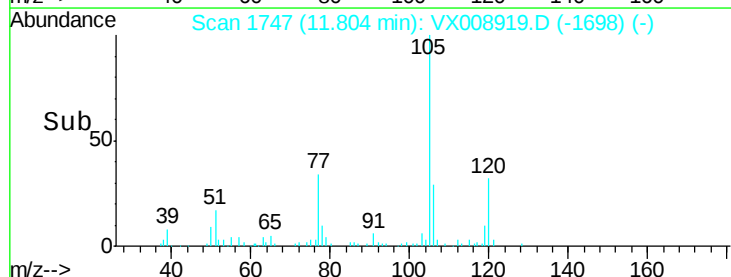
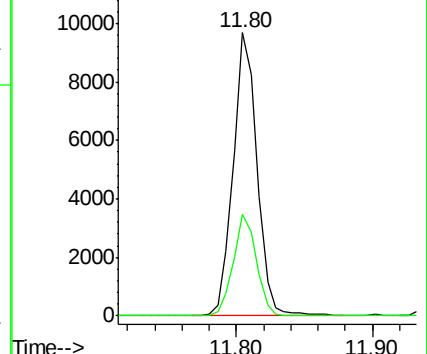
105 100

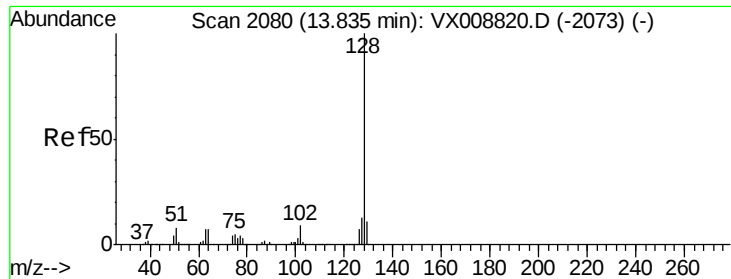
120 34.4 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

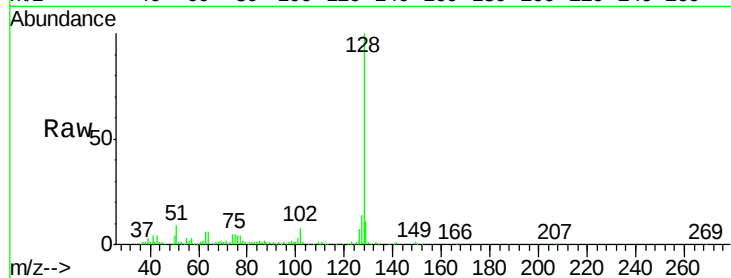




#95
Naphthalene
Concen: 4.386 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008919.D
Acq: 13 Apr 2019 04:45

Instrument :
MSVOA_X
ClientSampleId :
OR-COMP-2

Tgt Ion:128 Resp: 42922
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 12.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

