

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030519\
 Data File : VX007847.D
 Acq On : 05 Mar 2019 19:41
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 06 00:14:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	462082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	430717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207700	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	164234	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
35) Dibromofluoromethane	5.51	113	155259	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	8.71	98	555982	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	202078	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

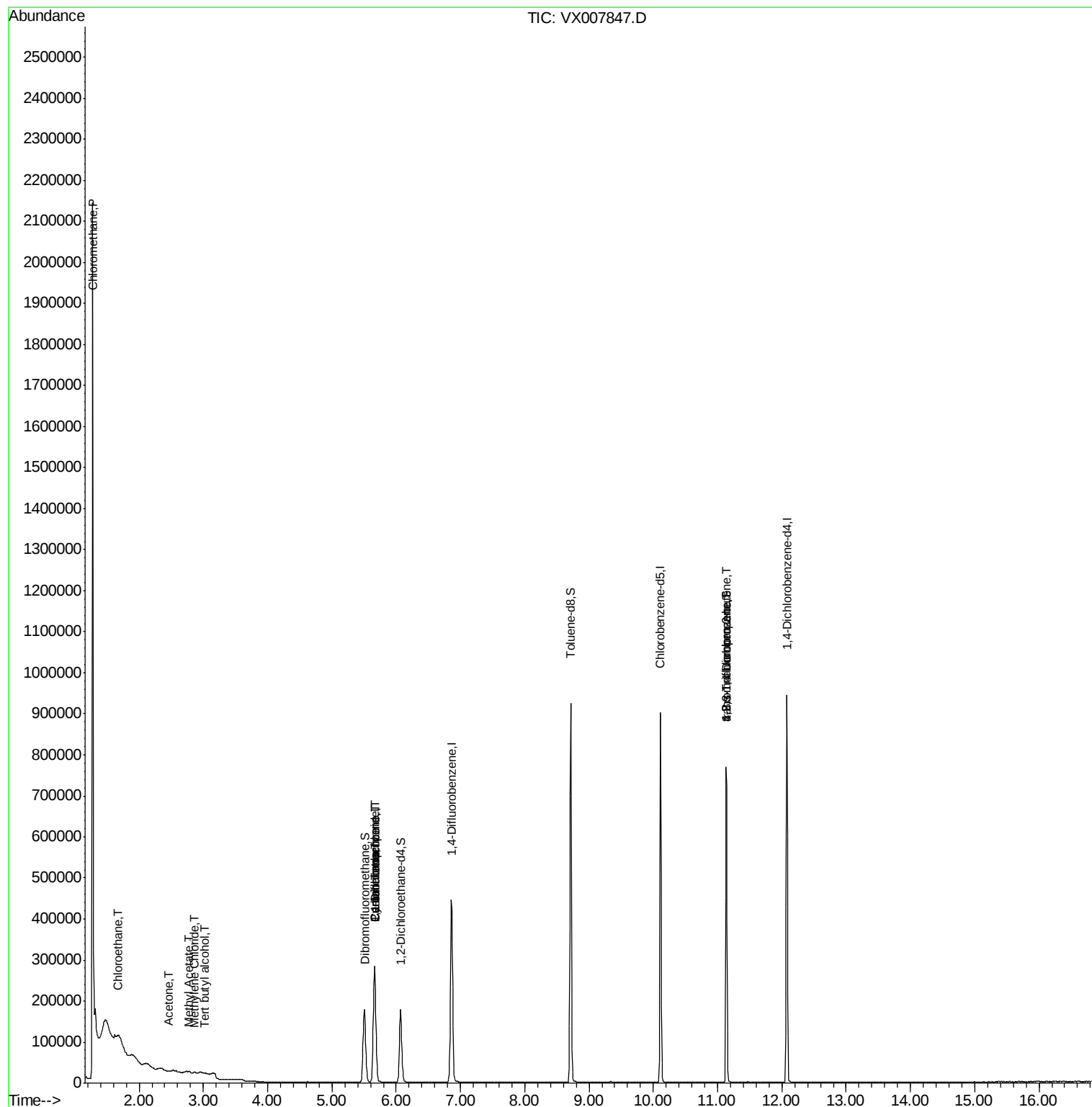
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	36433	12.032	ug/l #	43
5) Bromomethane	1.65	94	259	Below Cal	#	41
6) Chloroethane	1.67	64	227199	114.468	ug/l #	51
11) Tert butyl alcohol	3.01	59	1282	1.839	ug/l #	73
16) Acetone	2.45	43	504	0.308	ug/l	95
18) Methyl Acetate	2.78	43	1180	0.331	ug/l	96
20) Methylene Chloride	2.85	84	1526	0.506	ug/l #	93
31) Cyclohexane	5.66	56	4681	0.917	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18766	4.517	ug/l #	47
38) Carbon Tetrachloride	5.66	117	25775	6.177	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	94108	21.257	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	94108	56.543	ug/l #	9

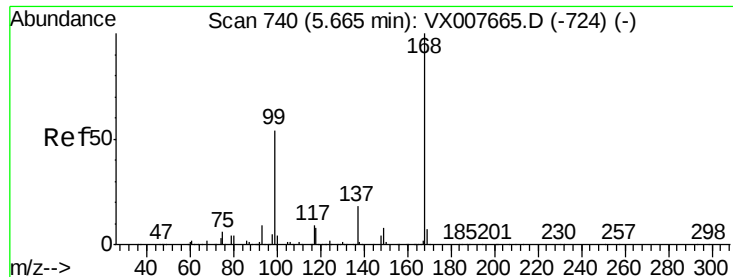
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

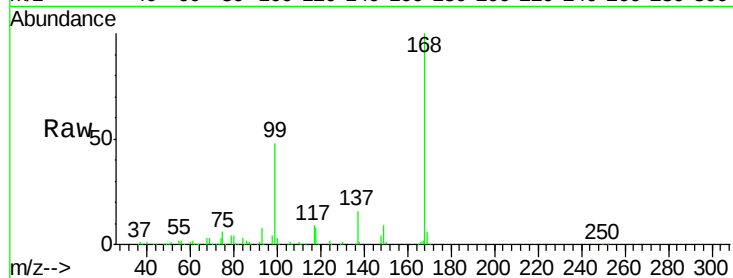
IBLK

Tot Ion:168 Resp: 296634

Ion Ratio Lower Upper

168 100

99 48.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

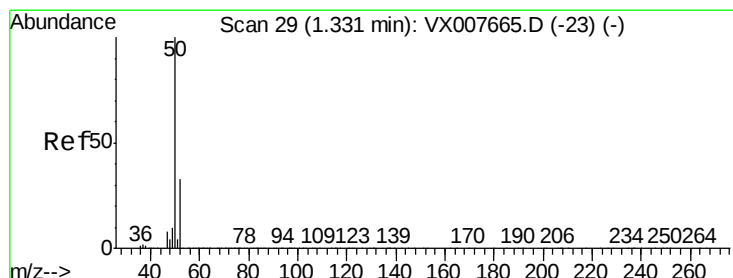
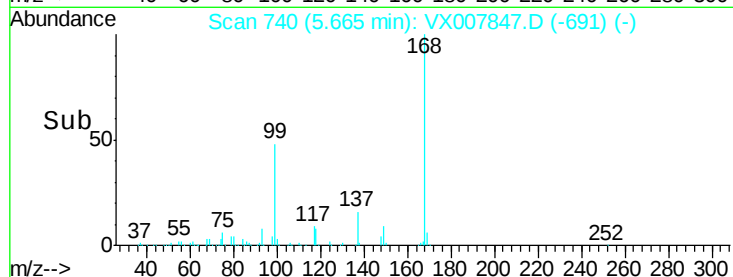
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 12.032 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.06 min

Lab File: VX007847.D

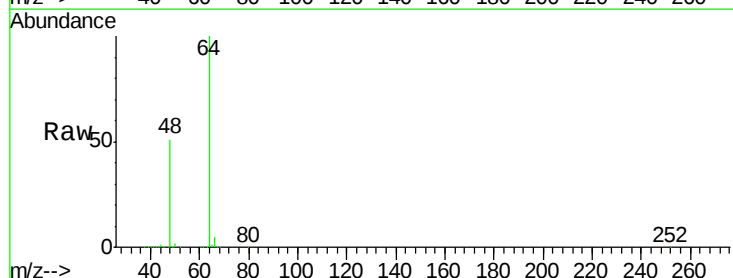
Acq: 05 Mar 2019 19:41

Tgt Ion: 50 Resp: 36433

Ion Ratio Lower Upper

50 100

52 0.6 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.28

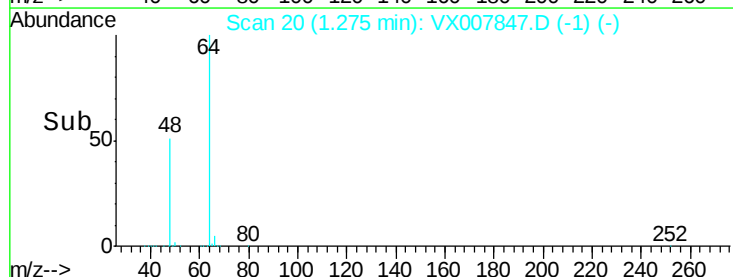
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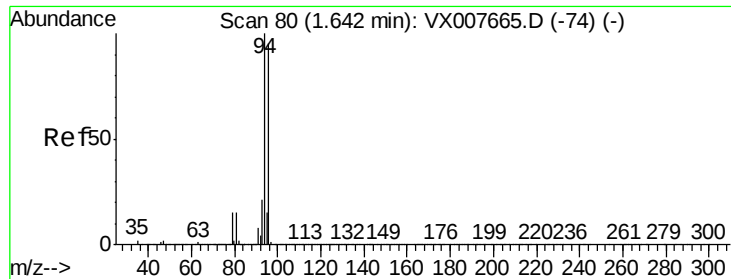
20000

10000

0

Time--> 1.25 1.30





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

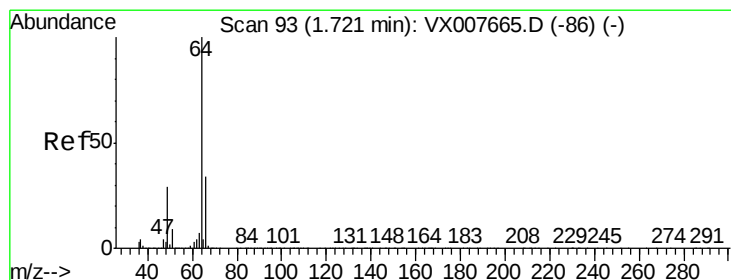
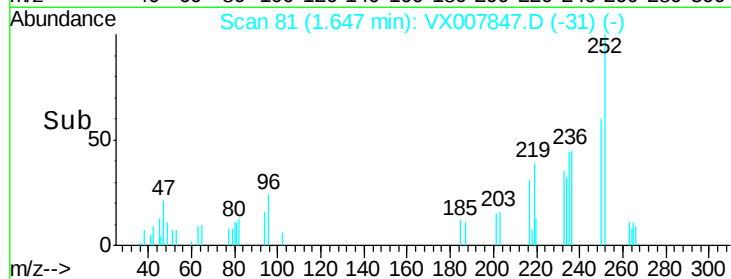
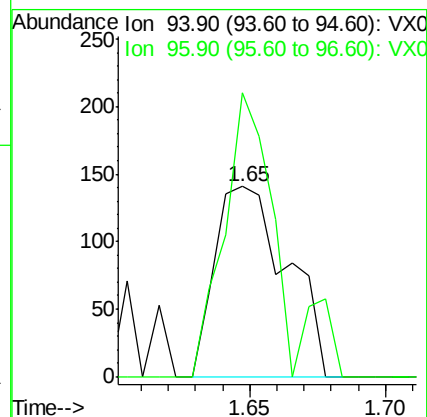
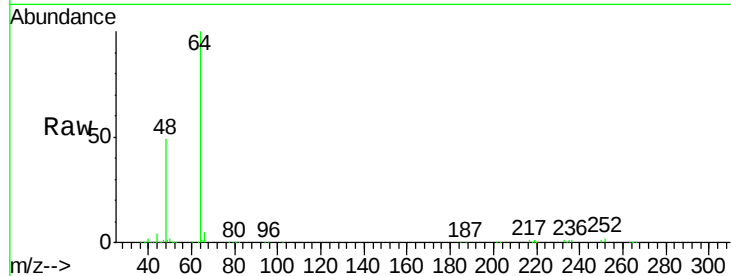
IBLK

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

94 100

96 148.9 73.9 110.9#



#6

Chloroethane

Concen: 114.468 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.06 min

Lab File: VX007847.D

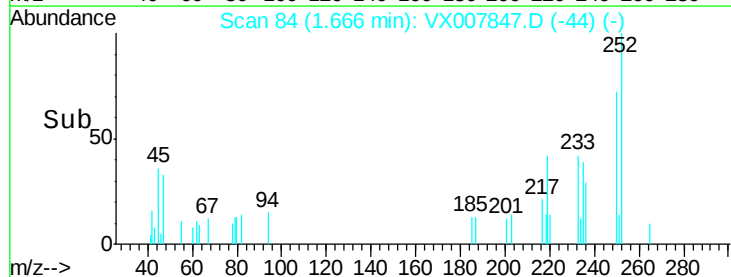
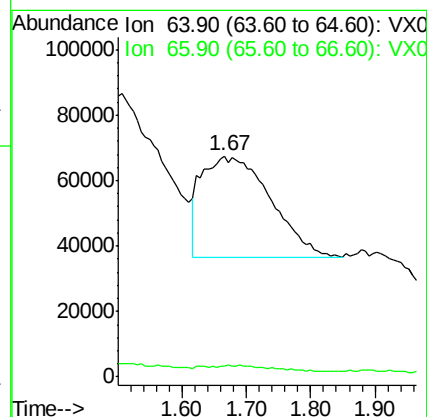
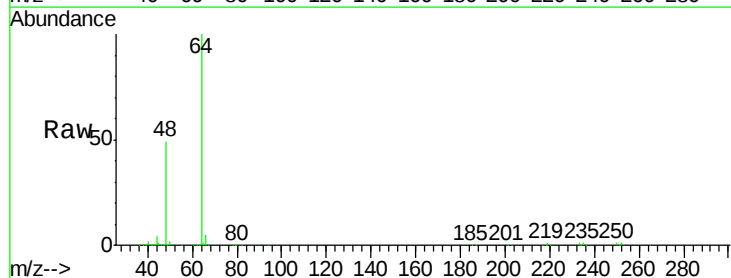
Acq: 05 Mar 2019 19:41

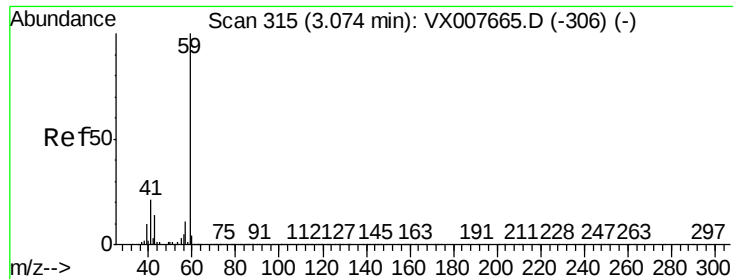
Tgt Ion: 64 Resp: 227199

Ion Ratio Lower Upper

64 100

66 4.8 25.5 38.3#



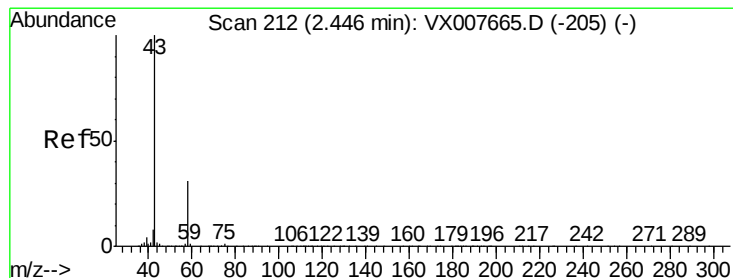
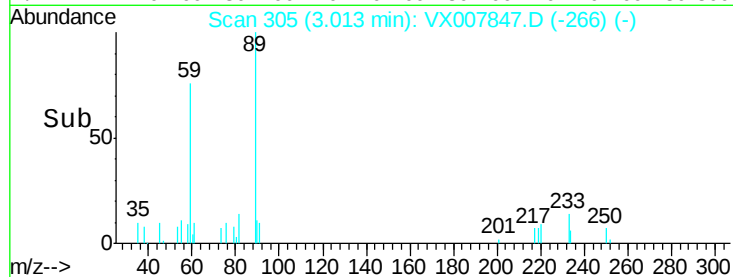
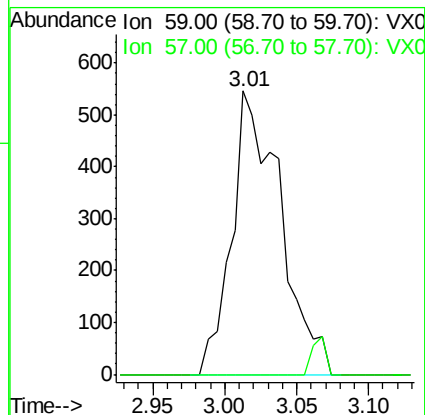
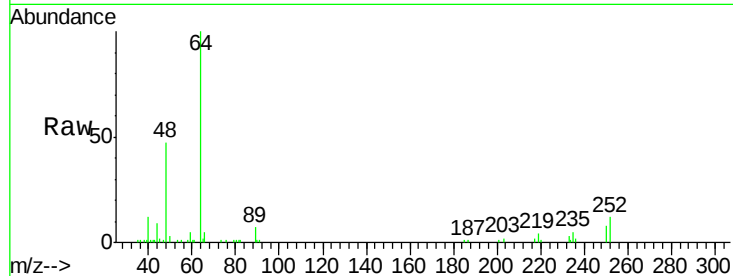


#11

Tert butyl alcohol
 Concen: 1.839 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX007847.D
 Acq: 05 Mar 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

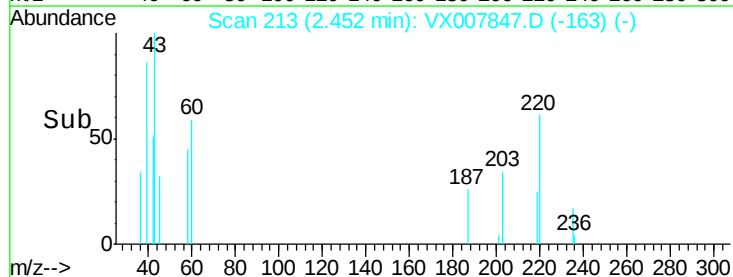
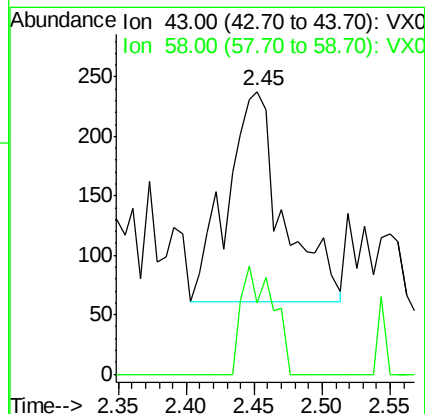
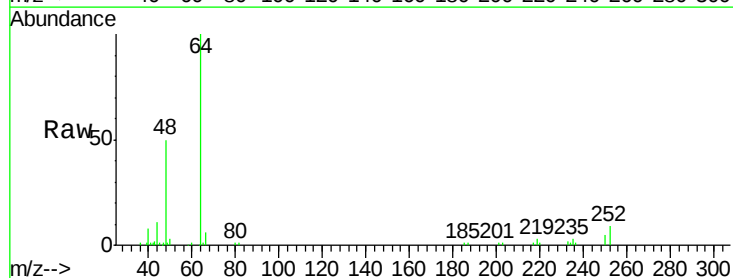
Tot Ion: 59 Resp: 1282
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

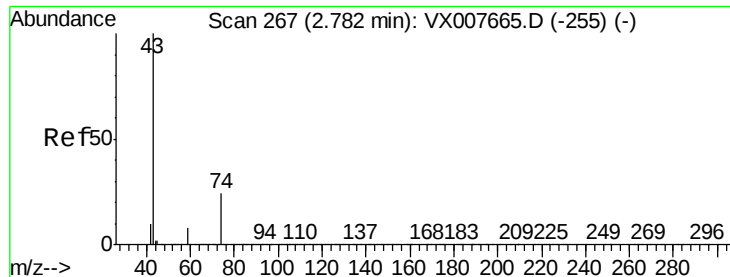


#16

Acetone
 Concen: 0.308 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX007847.D
 Acq: 05 Mar 2019 19:41

Tgt Ion: 43 Resp: 504
 Ion Ratio Lower Upper
 43 100
 58 33.9 24.9 37.3

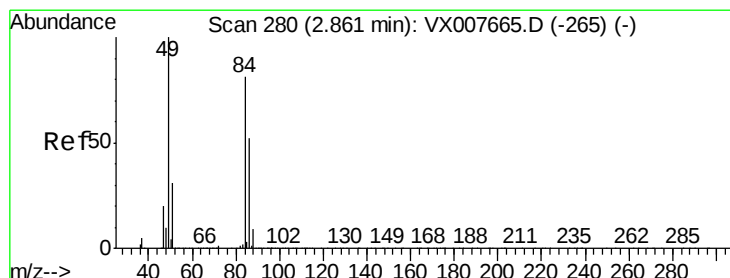
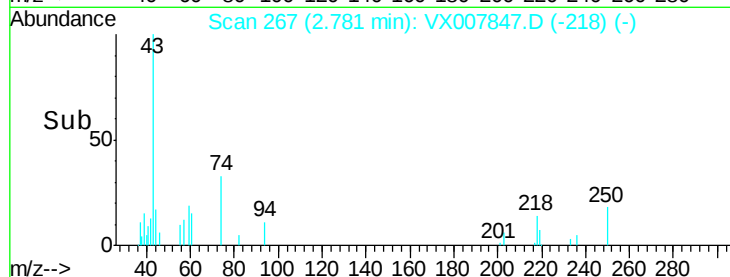
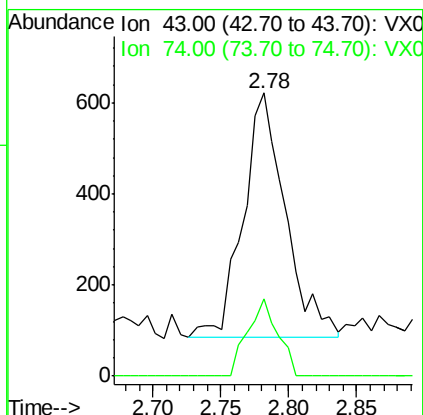
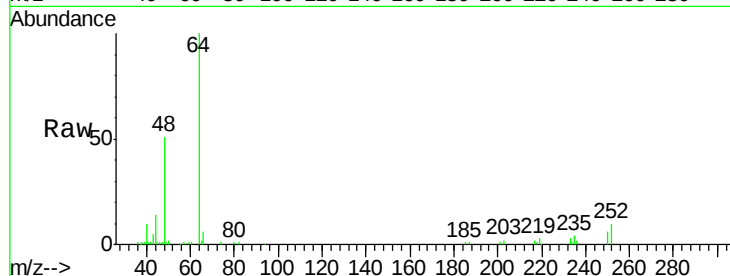




#18
Methyl Acetate
Concen: 0.331 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007847.D
Acq: 05 Mar 2019 19:41

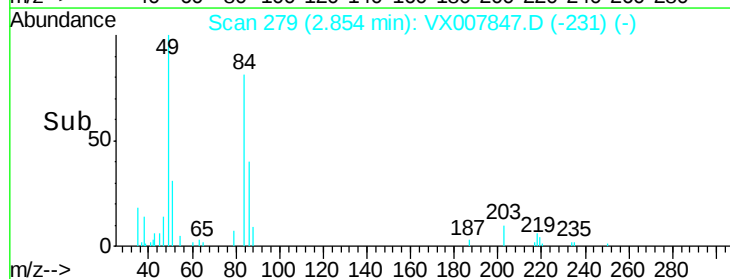
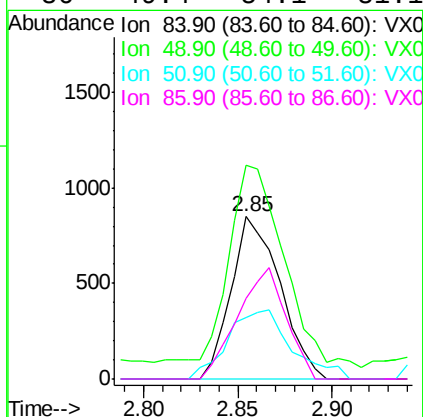
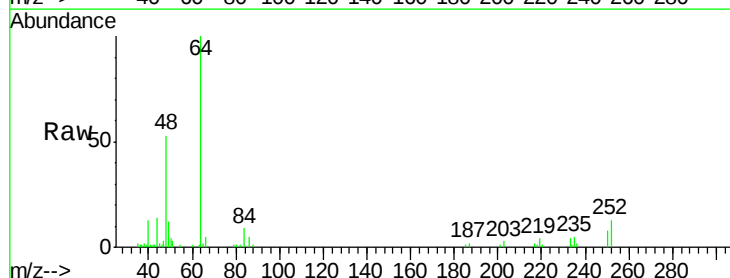
Instrument :
MSVOA_X
ClientSampled :
IBLK

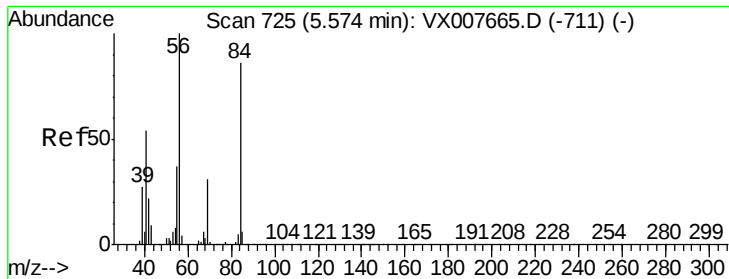
Tot Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2



#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007847.D
Acq: 05 Mar 2019 19:41

Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 119.5 94.8 142.2
51 37.8 29.8 44.8
86 49.4 54.1 81.1#





#31

Cyclohexane

Concen: 0.917 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

IBLK

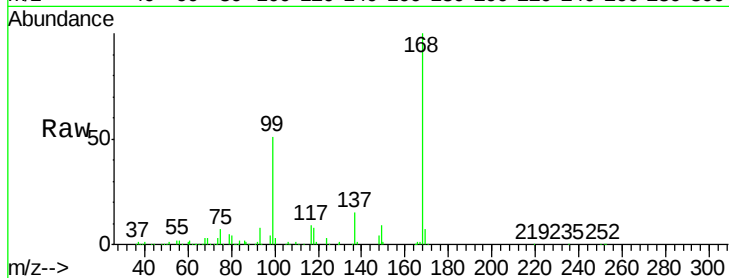
Tot Ion: 56 Resp: 4681

Ion Ratio Lower Upper

56 100

69 173.3 23.0 34.6#

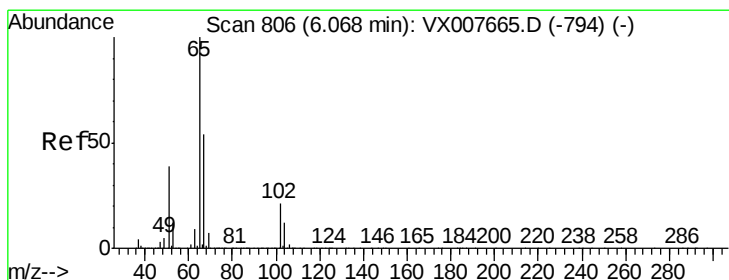
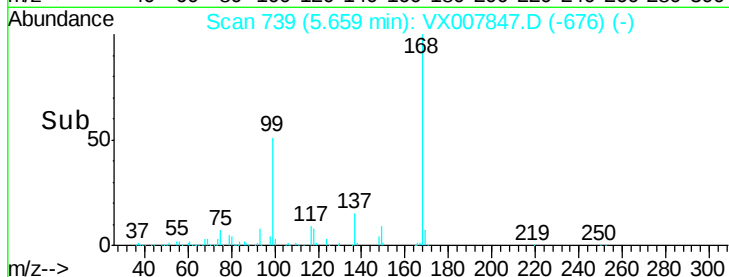
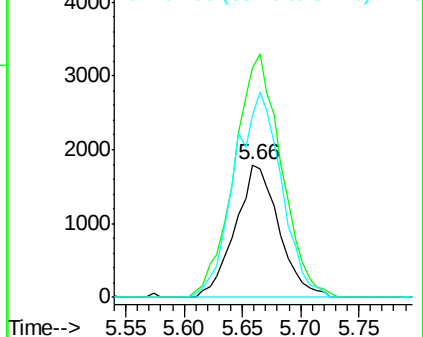
84 137.4 69.8 104.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.697 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007847.D

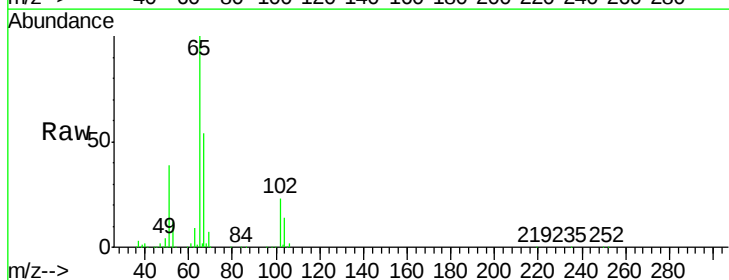
Acq: 05 Mar 2019 19:41

Tgt Ion: 65 Resp: 164234

Ion Ratio Lower Upper

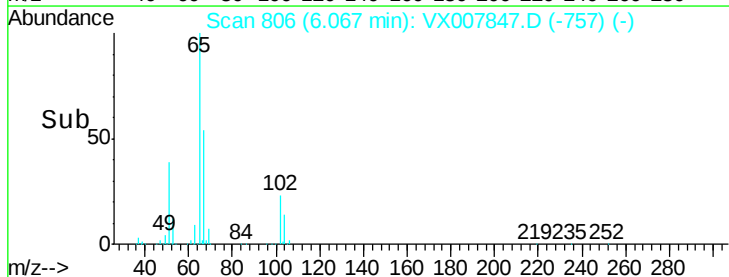
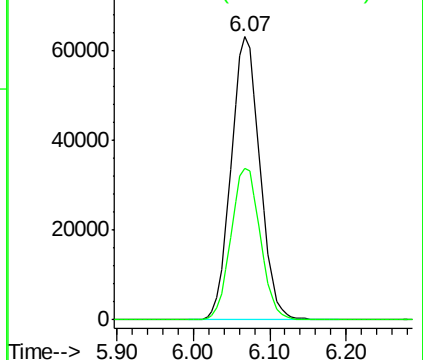
65 100

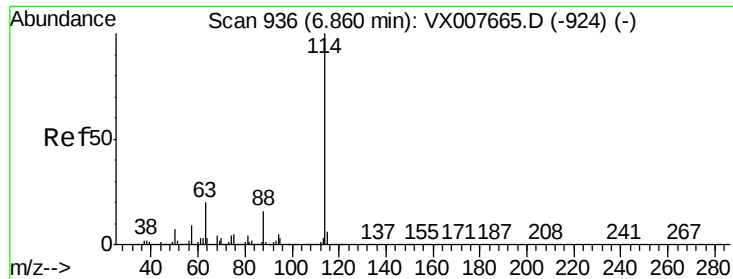
67 54.8 0.0 108.8



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: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

IBLK

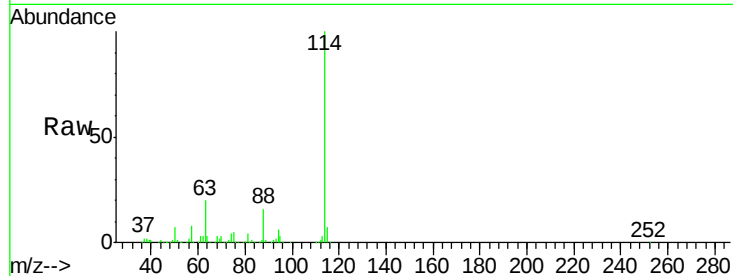
Tot Ion:114 Resp: 462082

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.6

88 15.8 0.0 29.6



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

250000

200000

150000

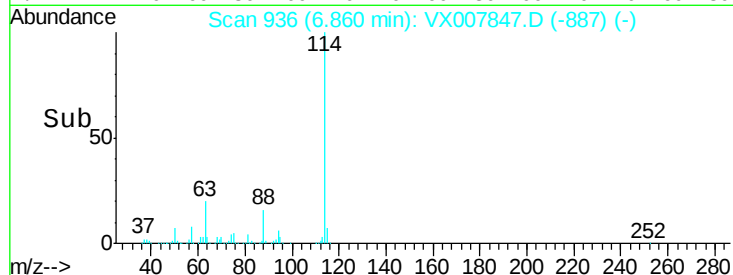
100000

50000

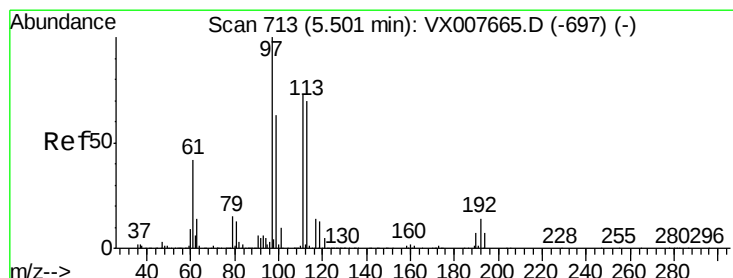
0

6.86

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

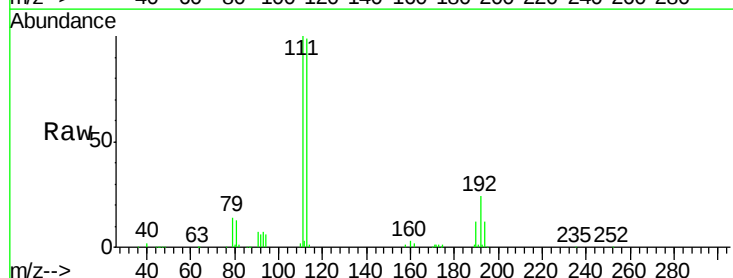
Tgt Ion:113 Resp: 155259

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 24.1 18.5 27.7



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

60000

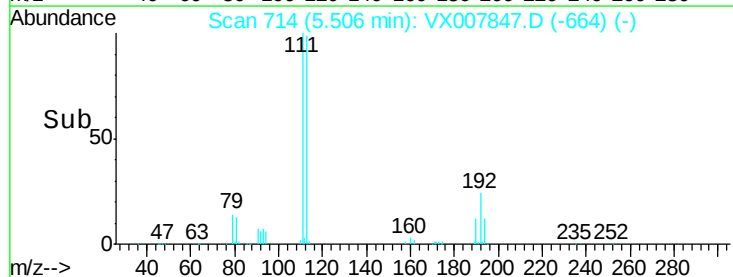
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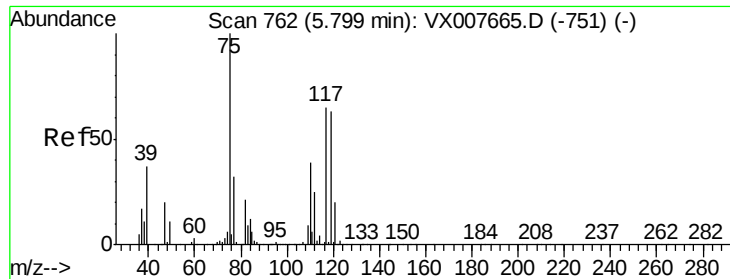
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5.51

5.40 5.50 5.60



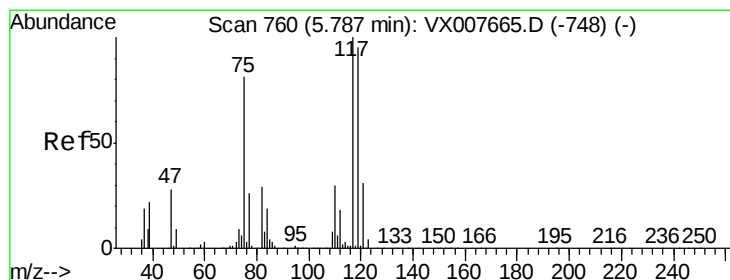
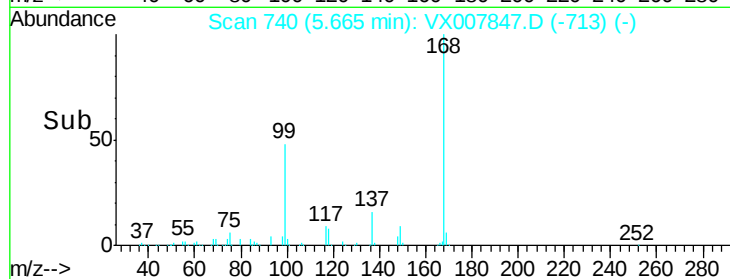
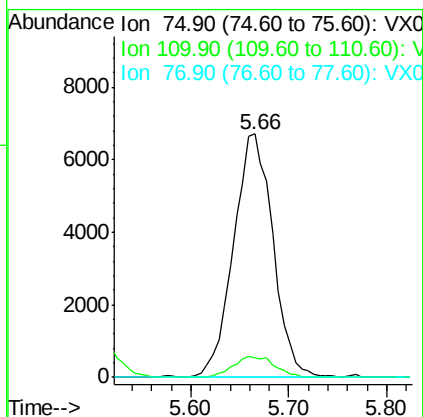
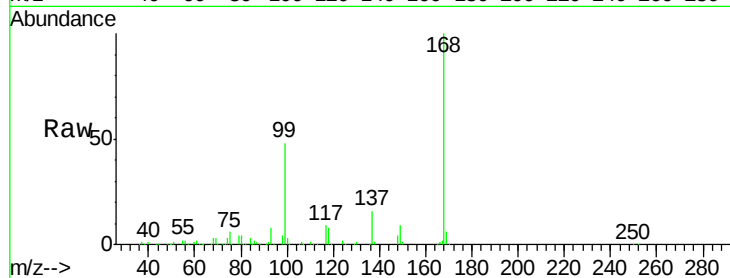
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.517 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007847.D
 Acq: 05 Mar 2019 19:41

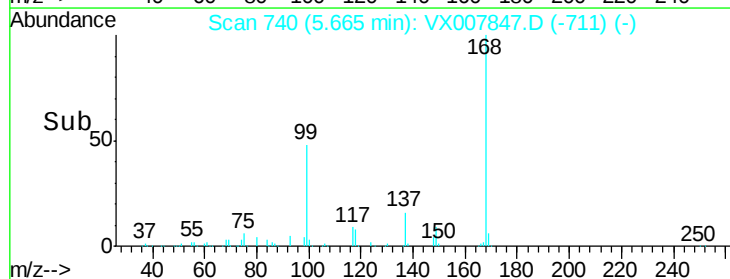
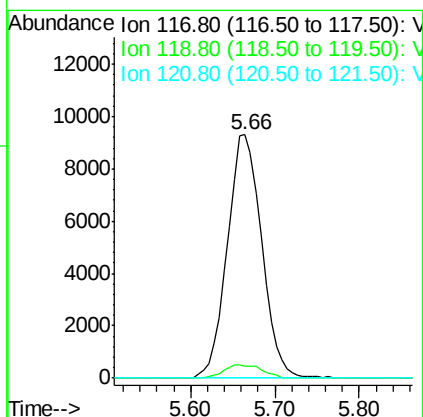
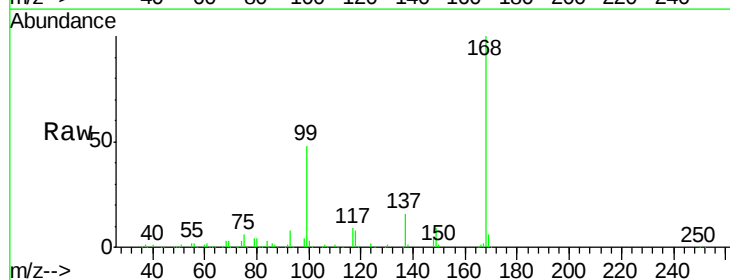
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

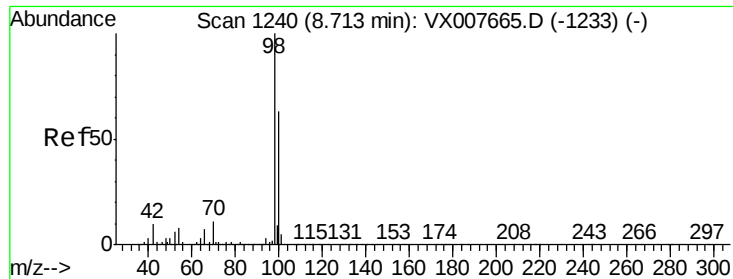
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.177 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007847.D
 Acq: 05 Mar 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.3	112.9#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 47.016 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

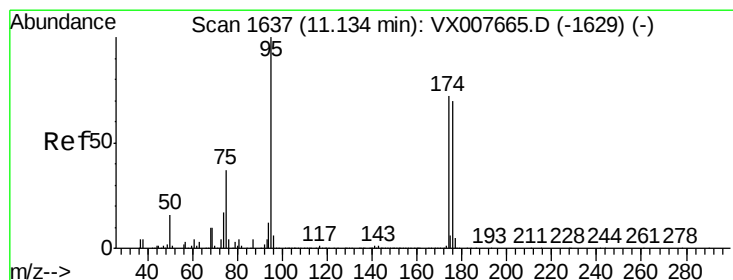
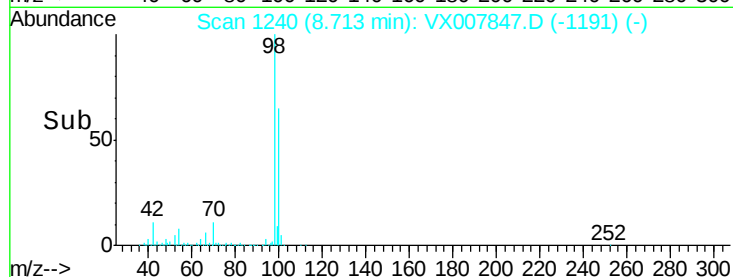
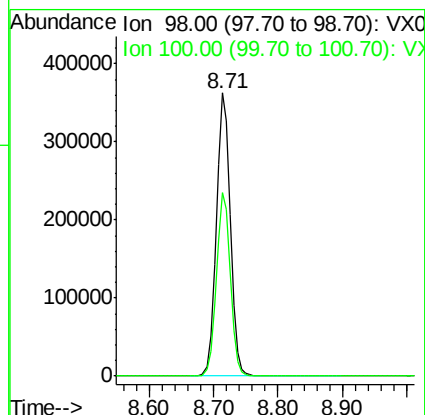
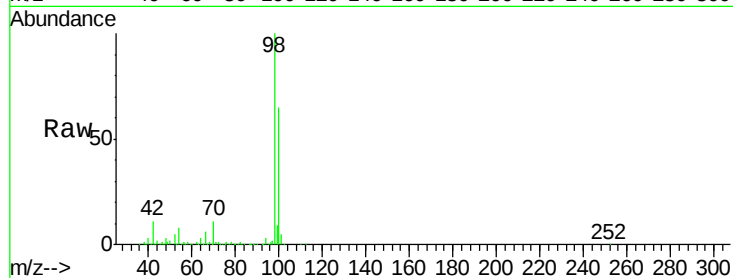
IBLK

Tot Ion: 98 Resp: 555982

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.558 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

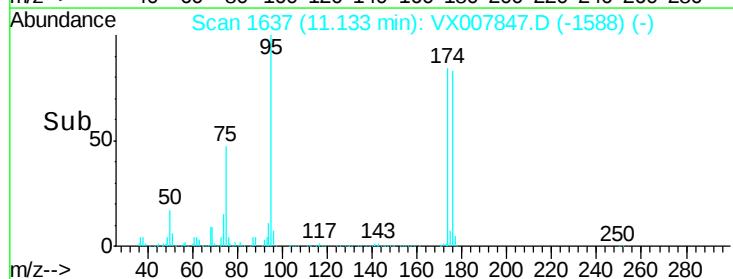
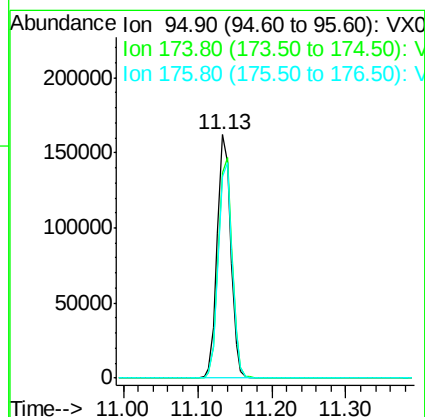
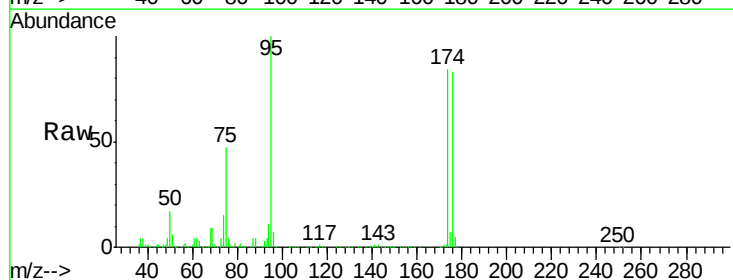
Tgt Ion: 95 Resp: 202078

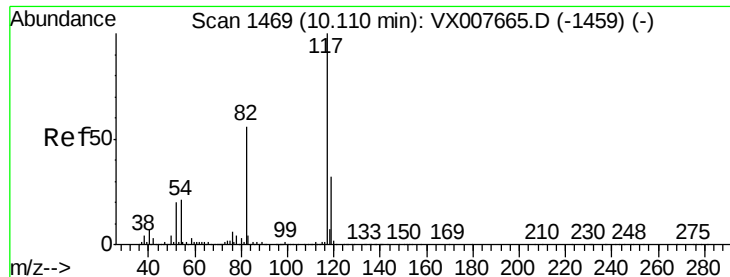
Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

176 90.1 0.0 186.2

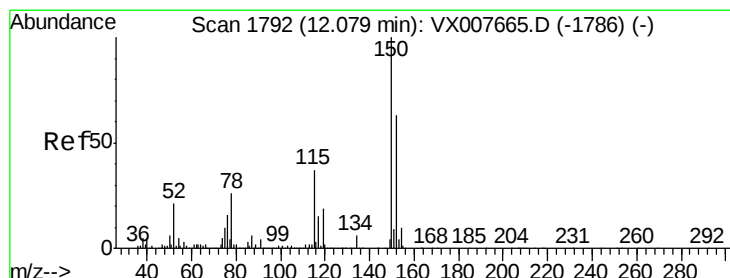
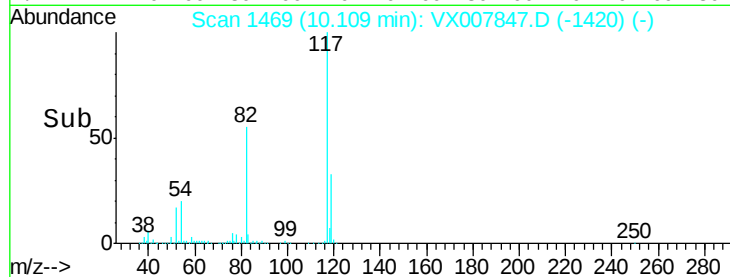
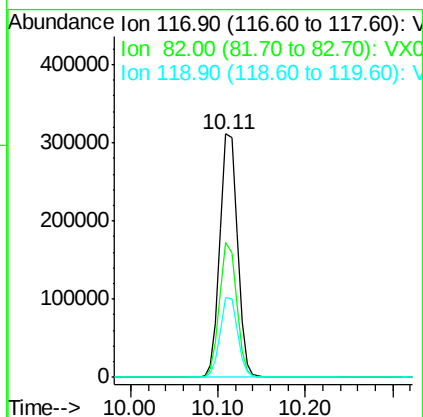
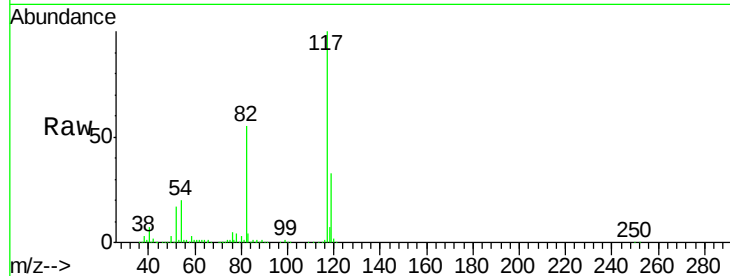




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007847.D
Acq: 05 Mar 2019 19:41

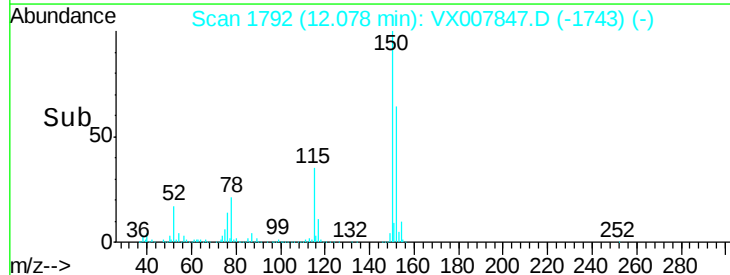
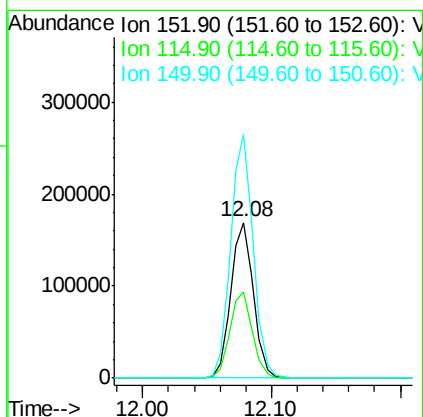
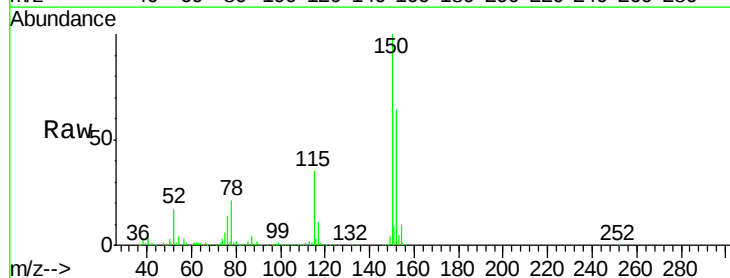
Instrument :
MSVOA_X
ClientSampled :
IBLK

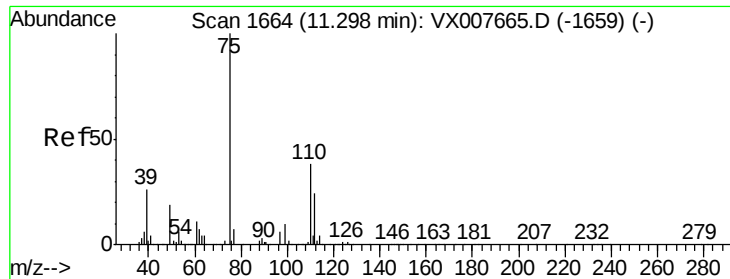
Tot Ion:117 Resp: 430717
Ion Ratio Lower Upper
117 100
82 55.5 42.1 63.1
119 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007847.D
Acq: 05 Mar 2019 19:41

Tgt Ion:152 Resp: 207700
Ion Ratio Lower Upper
152 100
115 55.2 38.0 114.0
150 156.3 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 21.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

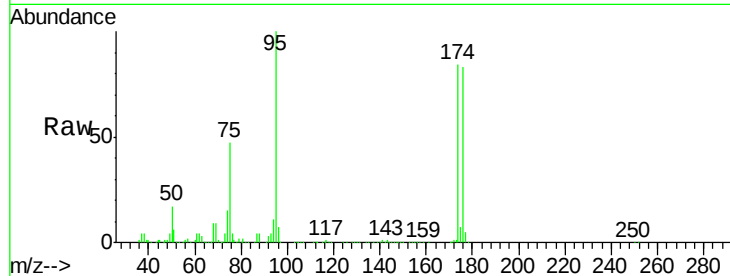
IBLK

Tot Ion: 75 Resp: 94108

Ion Ratio Lower Upper

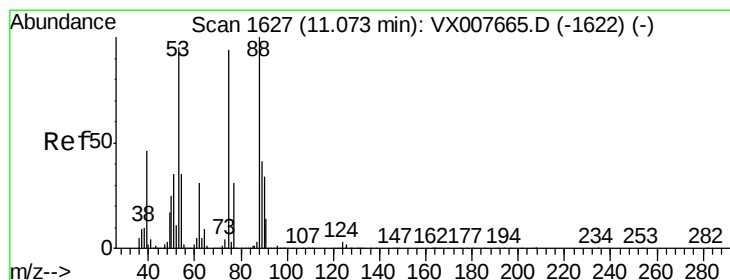
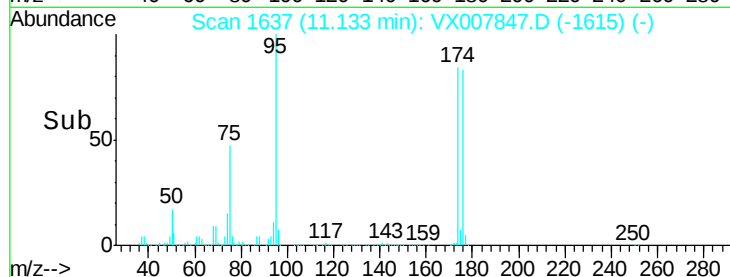
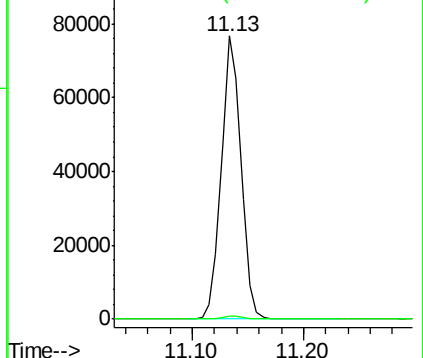
75 100

77 1.3 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 56.543 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007847.D

Acq: 05 Mar 2019 19:41

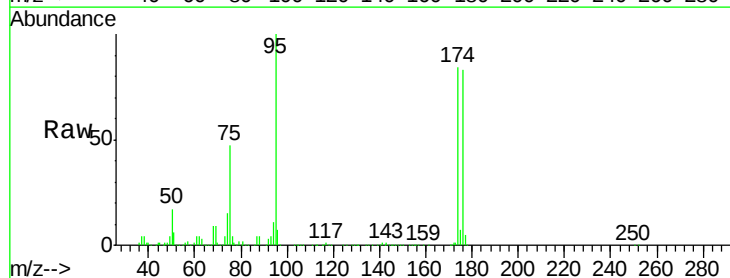
Tgt Ion: 75 Resp: 94108

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

