

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
 Data File : VX012660.D
 Acq On : 25 Sep 2019 15:11
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 25 23:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	300529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	125982	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	89635	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	355032	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.14	95	128426	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

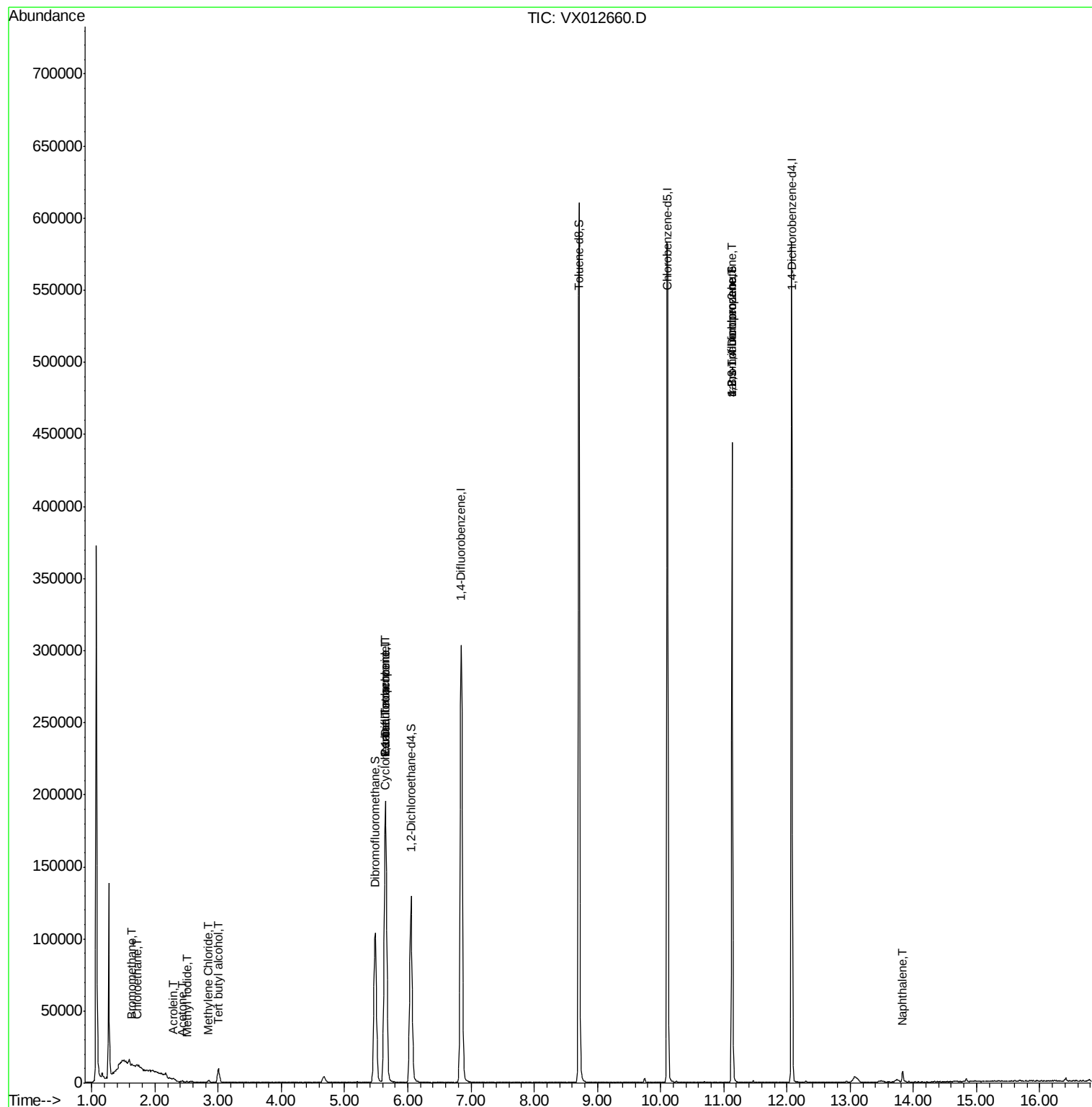
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	245	0.283	ug/l #	44
6) Chloroethane	1.71	64	1194	0.805	ug/l #	47
10) Methyl Iodide	2.50	142	216	5.051	ug/l #	93
11) Tert butyl alcohol	3.00	59	5972	9.581	ug/l #	73
13) Acrolein	2.28	56	183	10.738	ug/l #	72
16) Acetone	2.44	43	1041	0.788	ug/l	95
20) Methylene Chloride	2.84	84	717	0.321	ug/l #	93
31) Cyclohexane	5.63	56	4395	1.265	ug/l #	48
36) 1,1-Dichloropropene	5.64	75	15343	5.297	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19154	6.509	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	67103	23.769	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	67103	68.117	ug/l #	8
95) Naphthalene	13.83	128	4981	0.637	ug/l	99

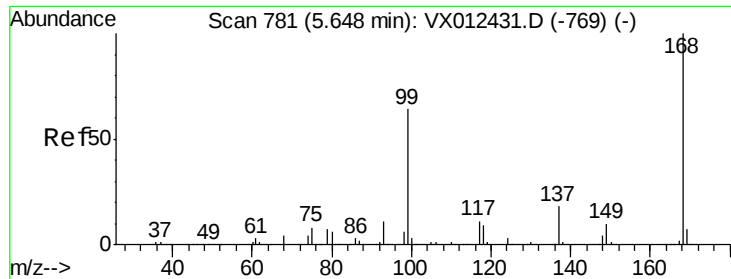
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092519\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

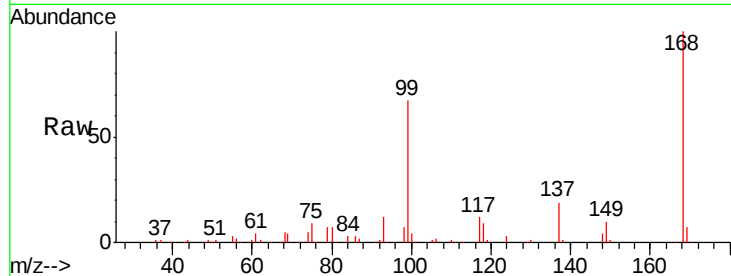
IBLK

Tgt Ion:168 Resp: 171349

Ion Ratio Lower Upper

168 100

99 67.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

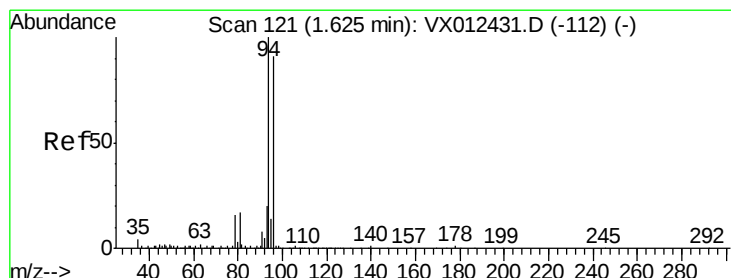
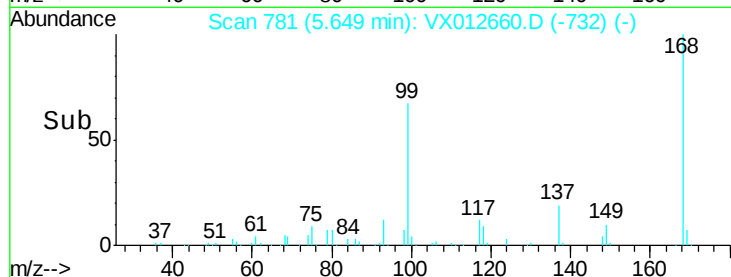
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012660.D

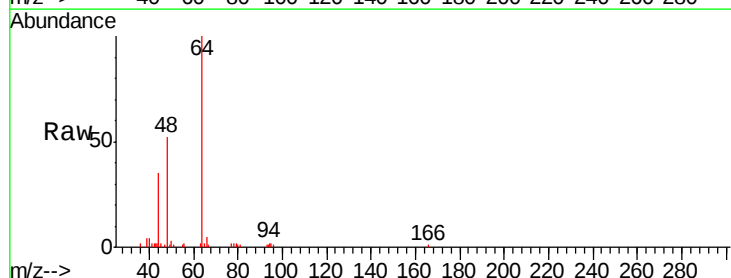
Acq: 25 Sep 2019 15:11

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 37.8 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

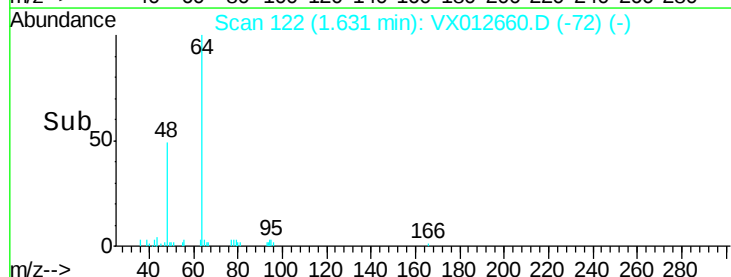
150

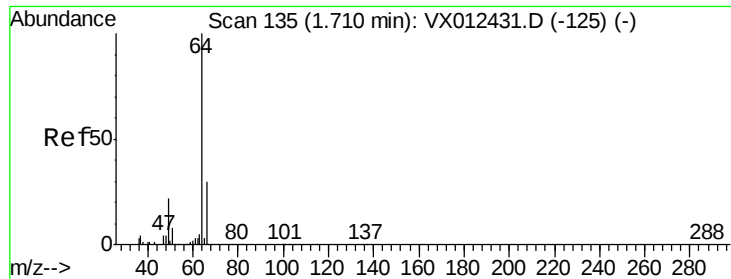
100

50

0

Time--> 1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.805 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

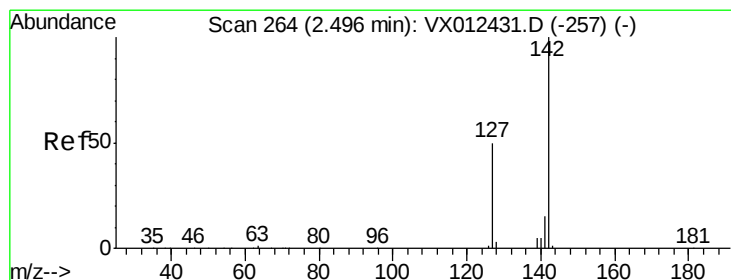
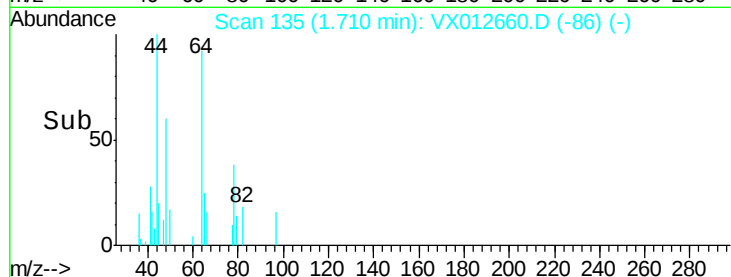
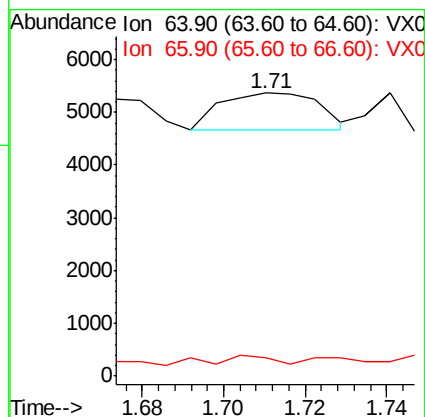
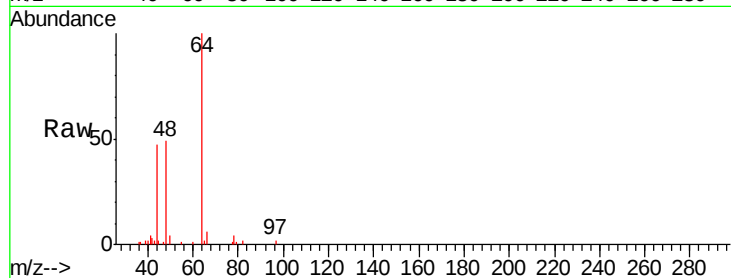
IBLK

Tgt Ion: 64 Resp: 1194

Ion Ratio Lower Upper

64 100

66 1.1 24.0 36.0#



#10

Methyl Iodide

Concen: 5.051 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

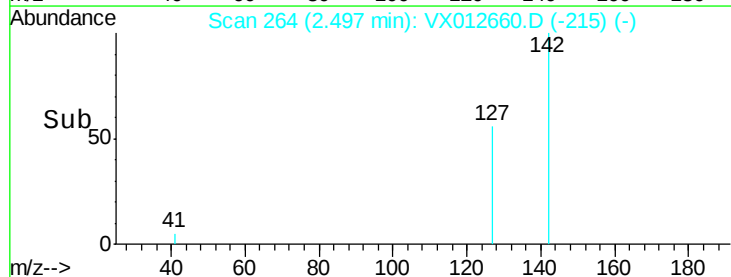
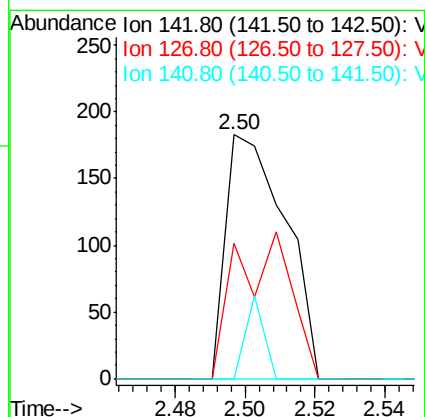
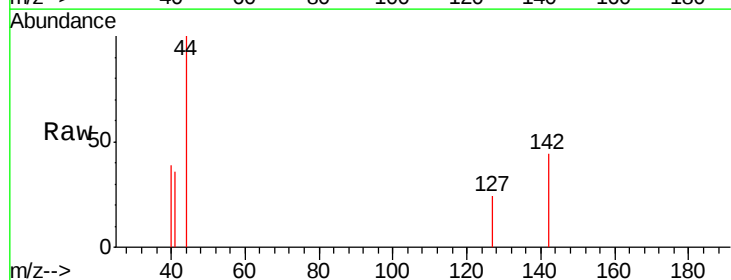
Tgt Ion: 142 Resp: 216

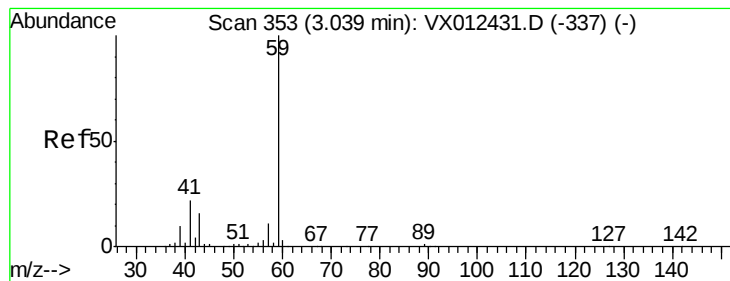
Ion Ratio Lower Upper

142 100

127 55.1 40.8 61.2

141 10.6 12.1 18.1#





#11

Tert butyl alcohol

Concen: 9.581 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

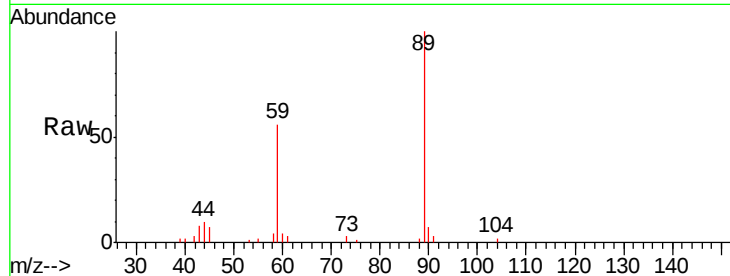
IBLK

Tgt Ion: 59 Resp: 5972

Ion Ratio Lower Upper

59 100

57 0.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

2500

2000

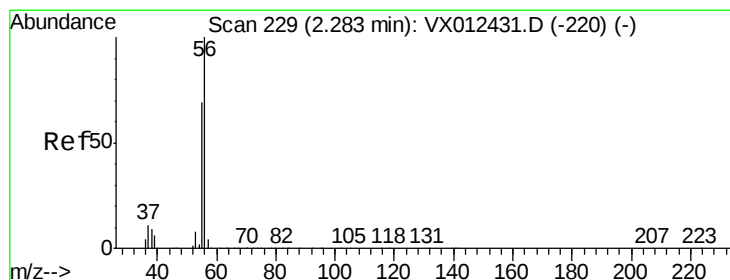
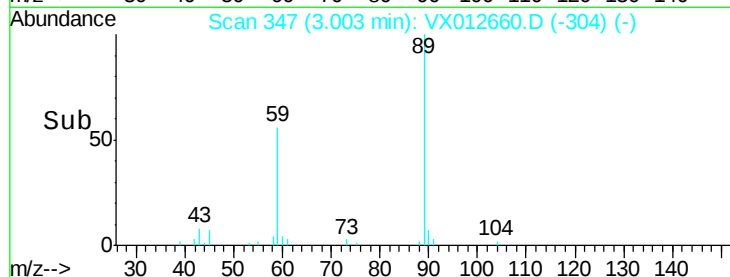
1500

1000

500

0

Time--> 2.90 2.95 3.00 3.05 3.10



#13

Acrolein

Concen: 10.738 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012660.D

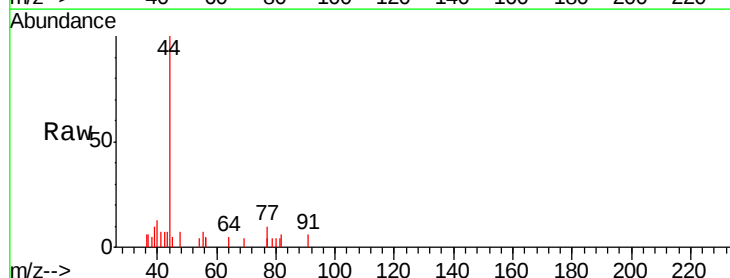
Acq: 25 Sep 2019 15:11

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 92.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

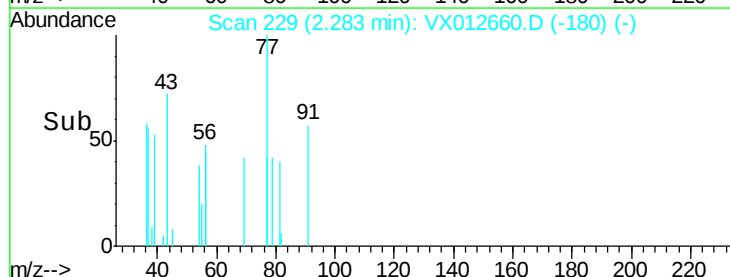
150

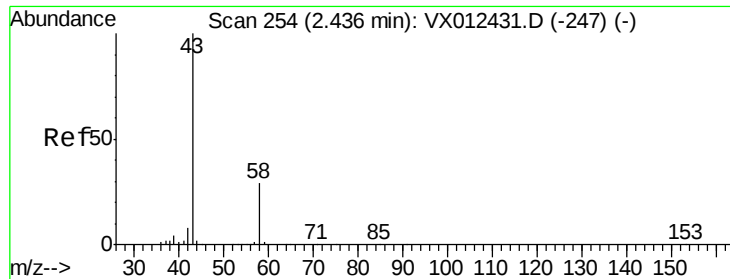
100

50

0

Time--> 2.26 2.28 2.30 2.32





#16

Acetone

Concen: 0.788 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

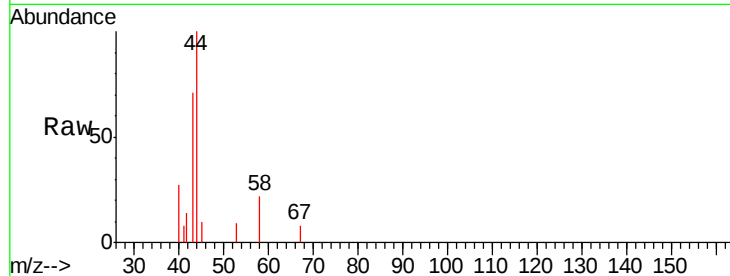
IBLK

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

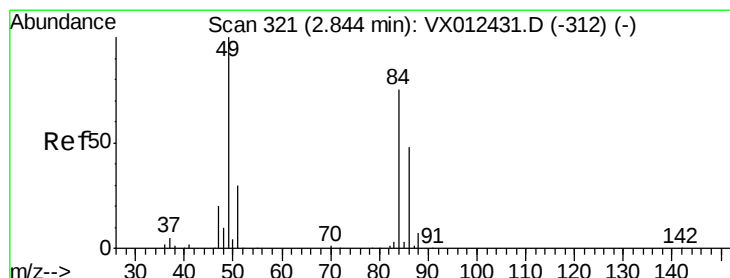
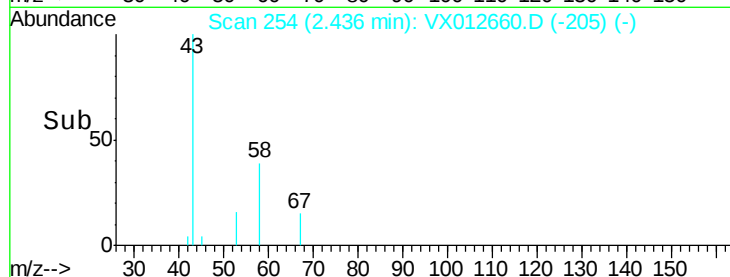
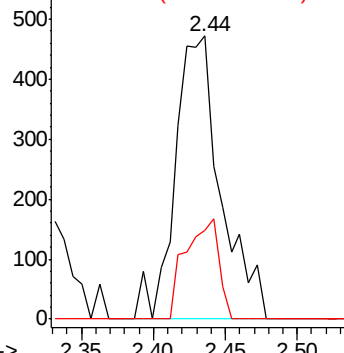
43 100

58 31.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.321 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Tgt Ion: 84 Resp: 717

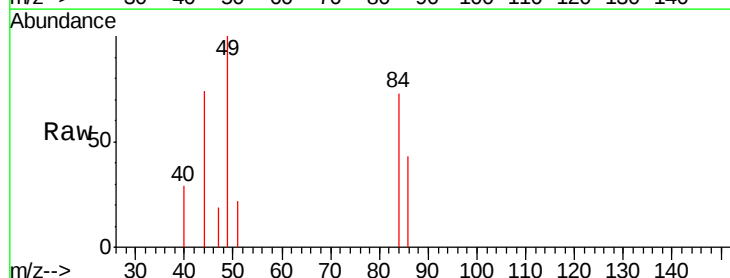
Ion Ratio Lower Upper

84 100

49 137.4 106.8 160.2

51 29.9 32.3 48.5#

86 58.5 51.3 76.9

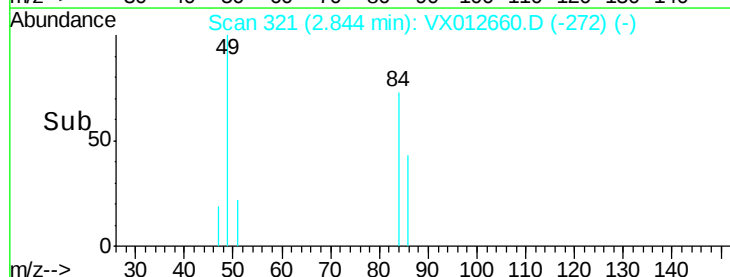
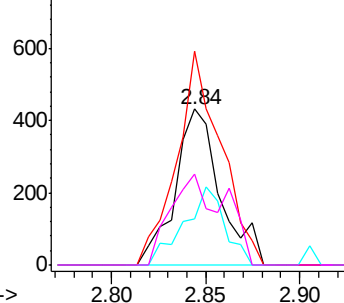


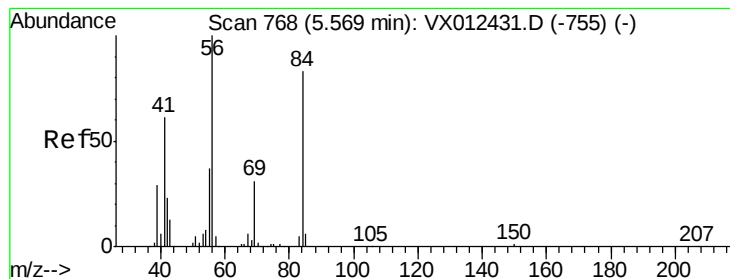
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#31

Cyclohexane

Concen: 1.265 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.06 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

IBLK

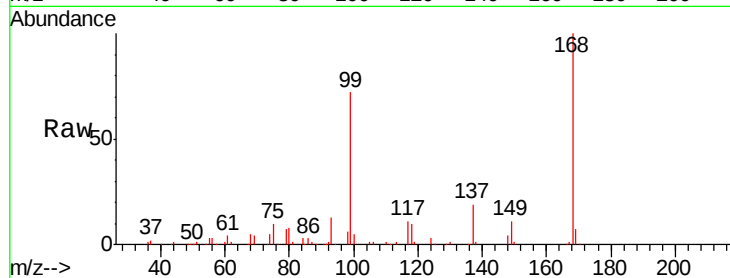
Tgt Ion: 56 Resp: 4395

Ion Ratio Lower Upper

56 100

69 128.9 25.0 37.6#

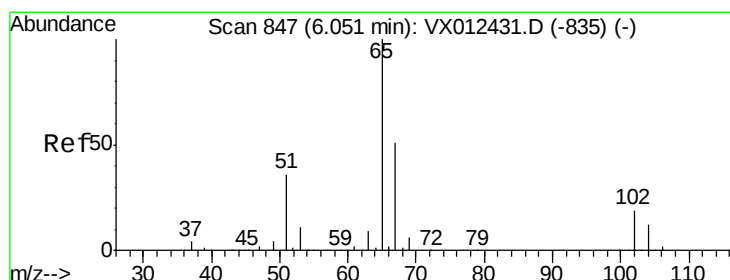
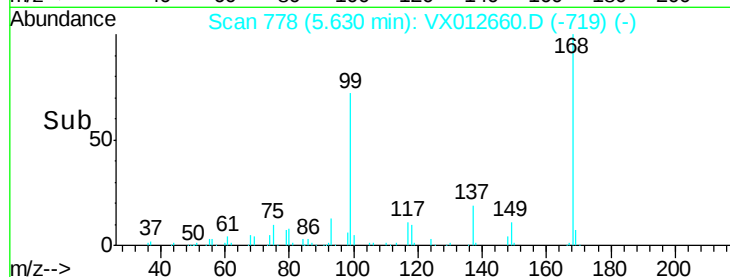
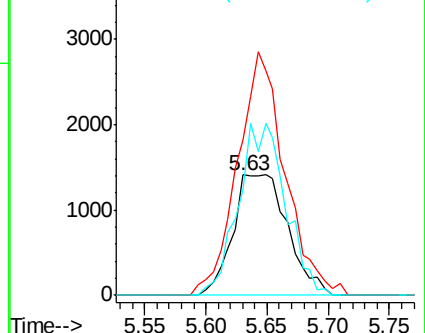
84 87.0 66.4 99.6



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: 50.490 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012660.D

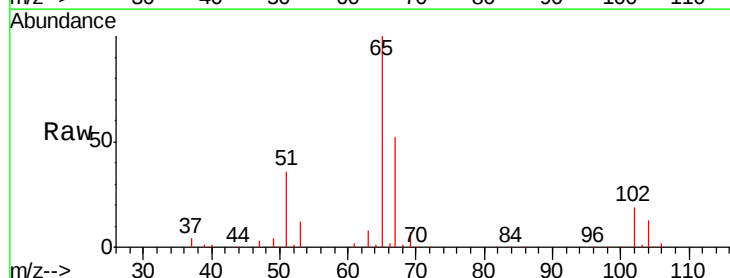
Acq: 25 Sep 2019 15:11

Tgt Ion: 65 Resp: 125982

Ion Ratio Lower Upper

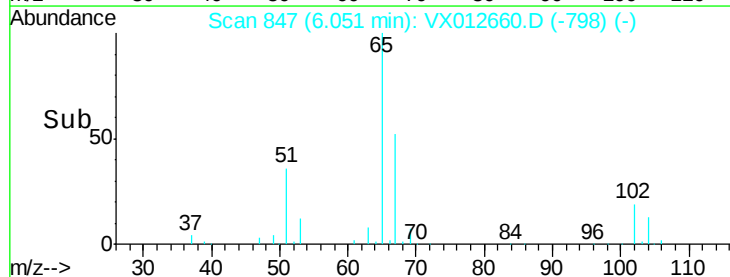
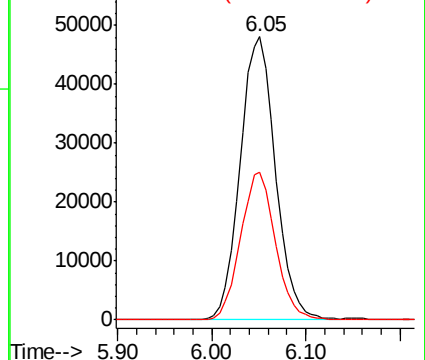
65 100

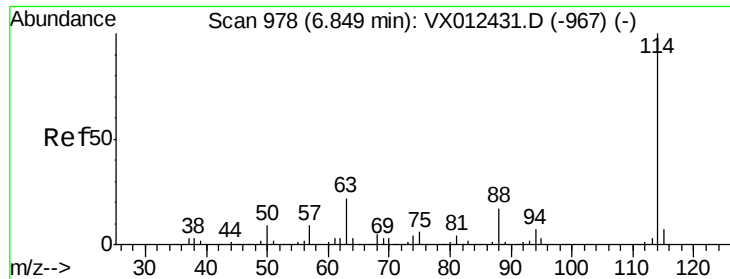
67 51.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

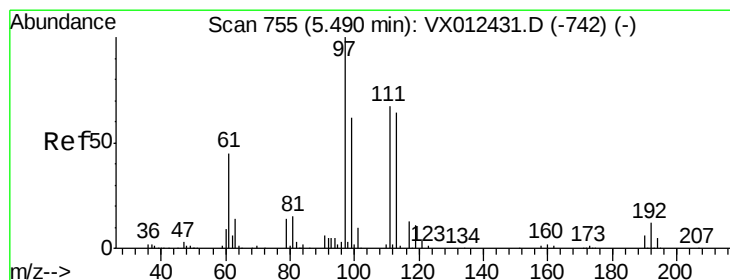
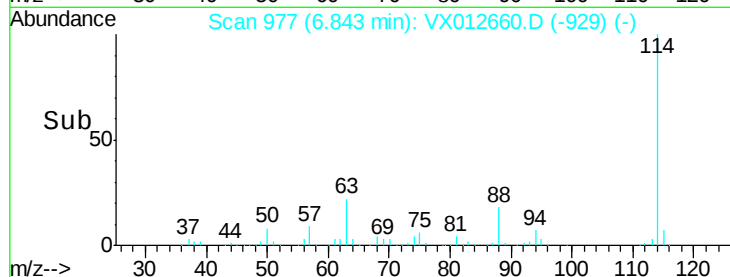
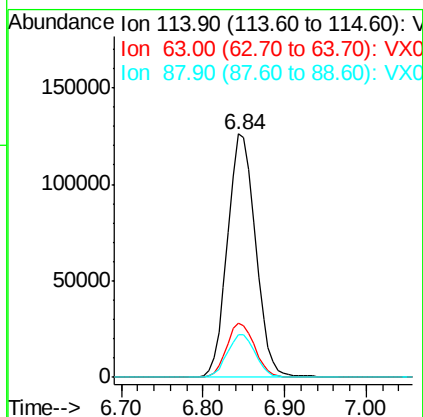
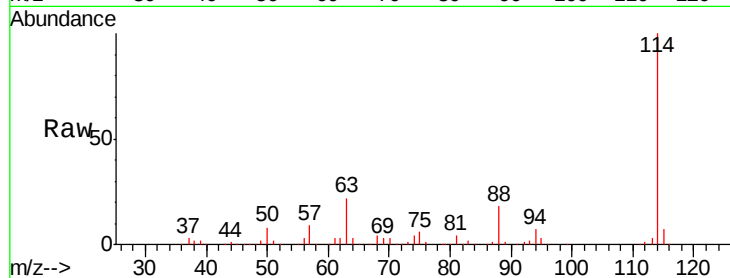




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012660.D
 Acq: 25 Sep 2019 15:11

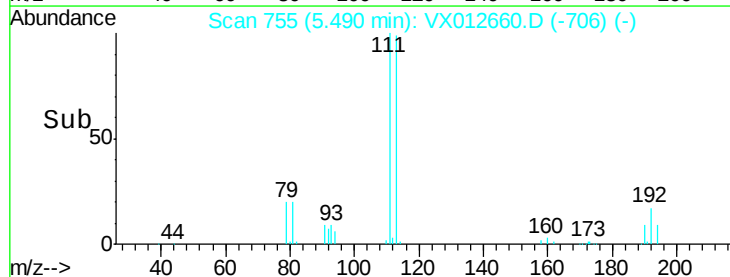
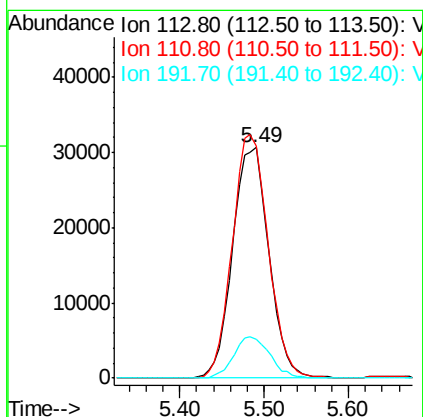
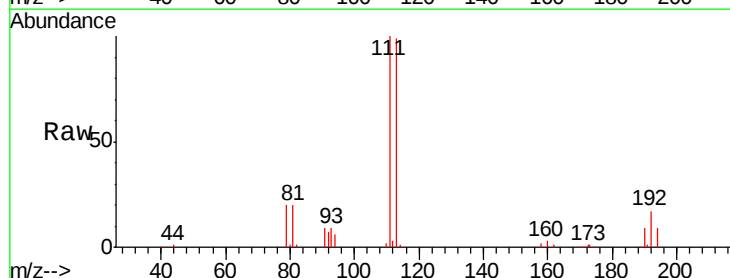
Instrument :
 MSVOA_X
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 IBLK

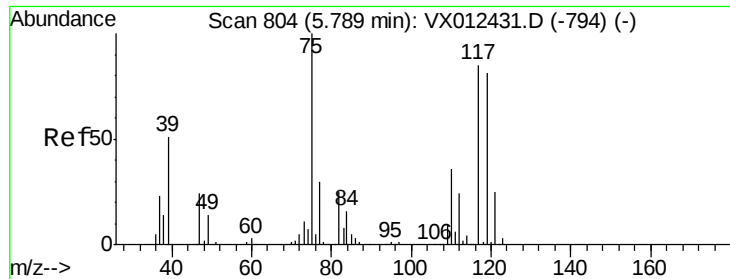
Tgt Ion:114 Resp: 300529
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 17.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012660.D
 Acq: 25 Sep 2019 15:11

Tgt Ion:113 Resp: 89635
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.4 125.2
 192 18.0 14.4 21.6

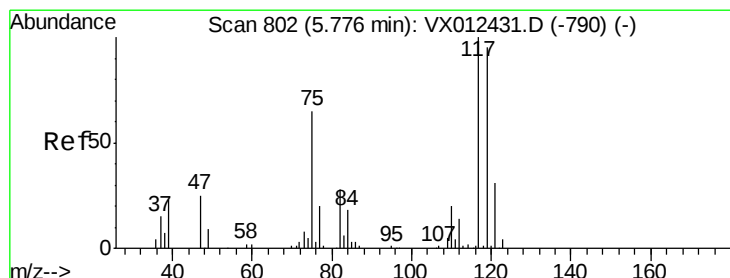
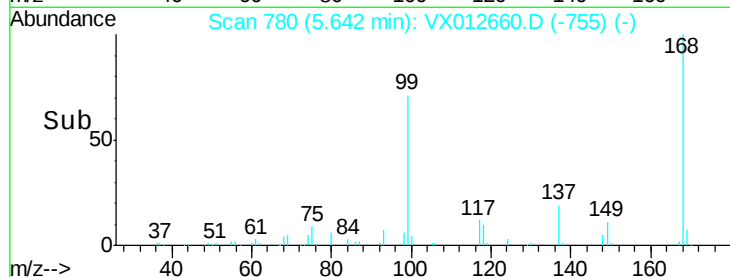
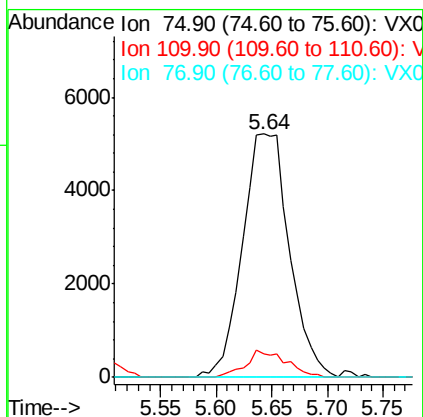
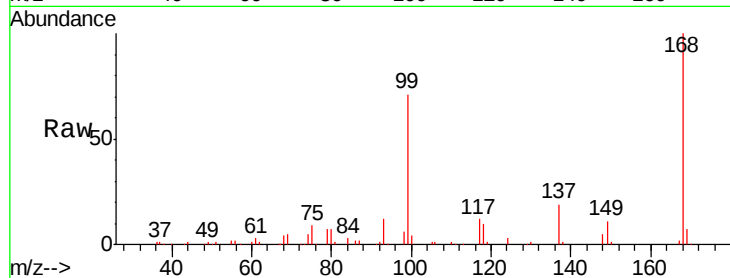




#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012660.D
 Acq: 25 Sep 2019 15:11

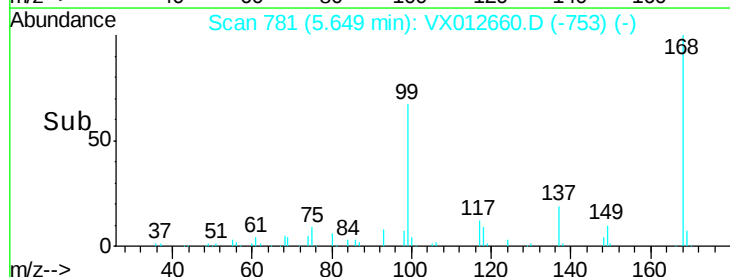
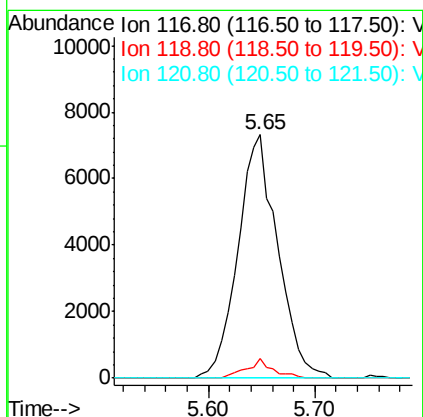
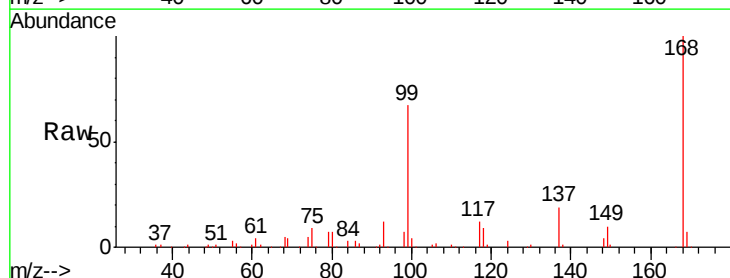
Instrument :
 MSVOA_X
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 IBLK

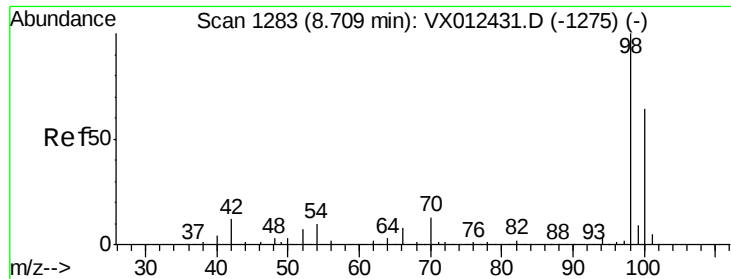
Tgt Ion: 75 Resp: 15343
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.509 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012660.D
 Acq: 25 Sep 2019 15:11

Tgt Ion: 117 Resp: 19154
 Ion Ratio Lower Upper
 117 100
 119 8.2 75.7 113.5#
 121 0.0 24.2 36.4#

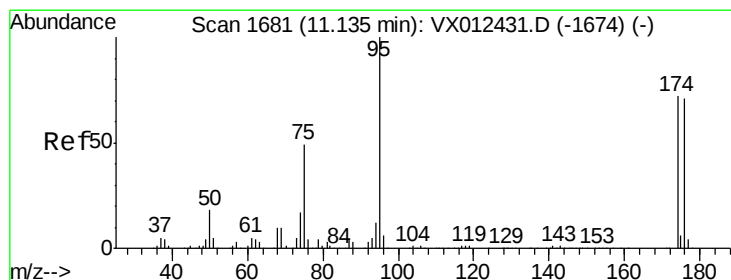
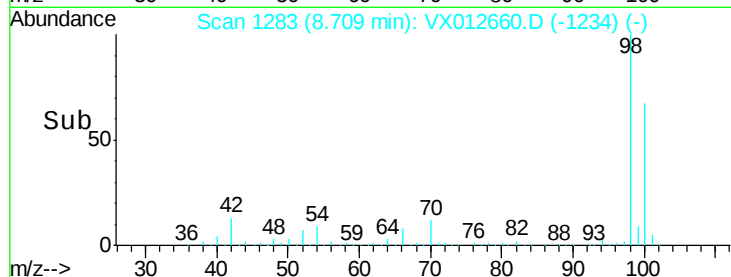
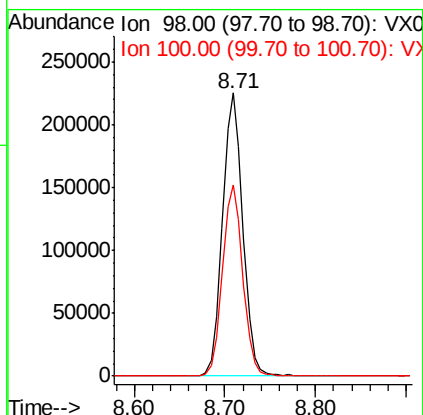
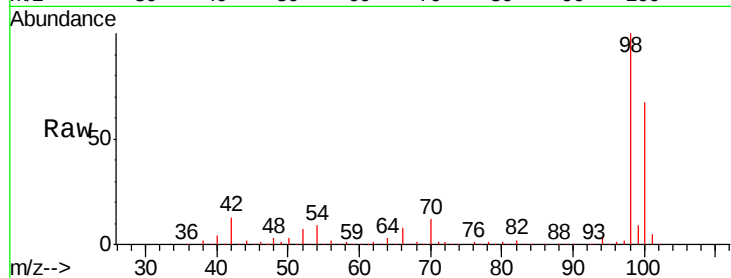




#50
Toluene-d8
Concen: 51.509 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012660.D
Acq: 25 Sep 2019 15:11

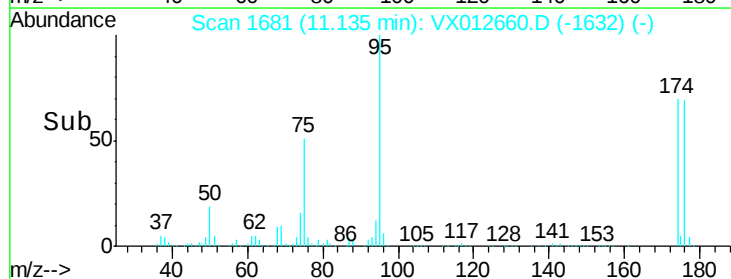
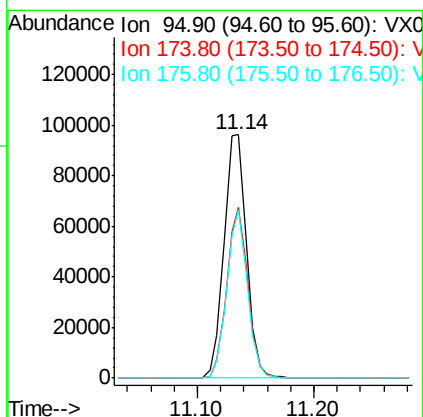
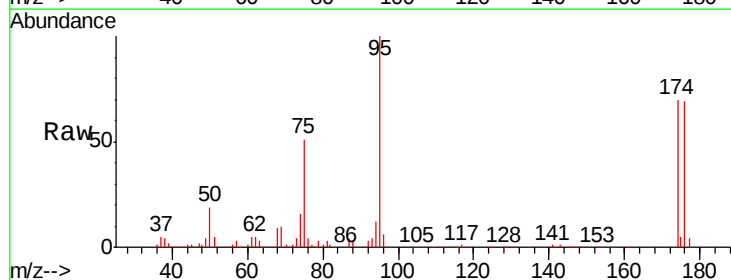
Instrument :
MSVOA_X
ClientSampled :
IBLK

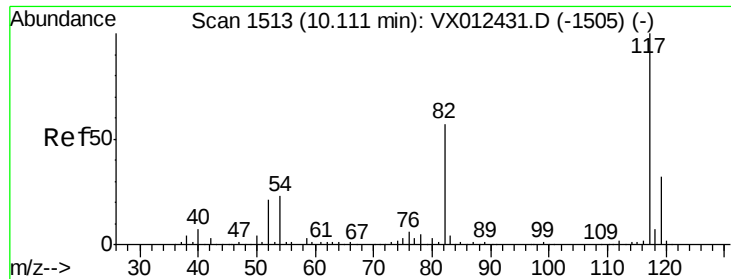
Tgt Ion: 98 Resp: 355032
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 47.387 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012660.D
Acq: 25 Sep 2019 15:11

Tgt Ion: 95 Resp: 128426
Ion Ratio Lower Upper
95 100
174 66.2 0.0 140.0
176 63.8 0.0 135.4

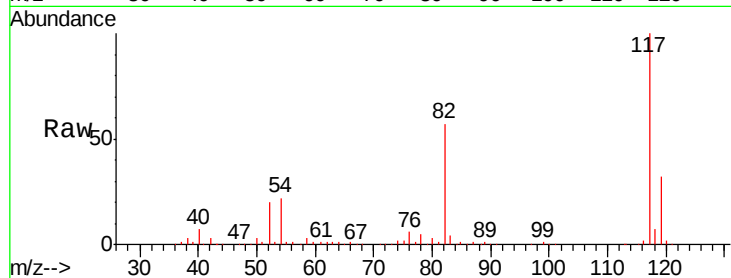




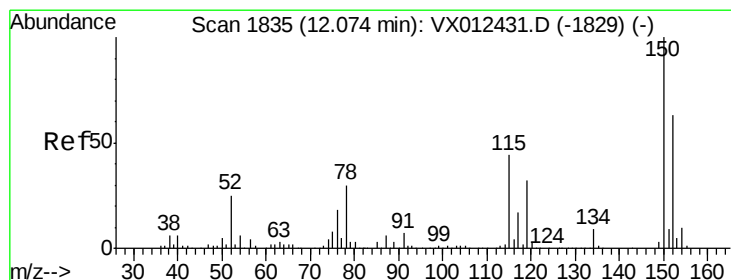
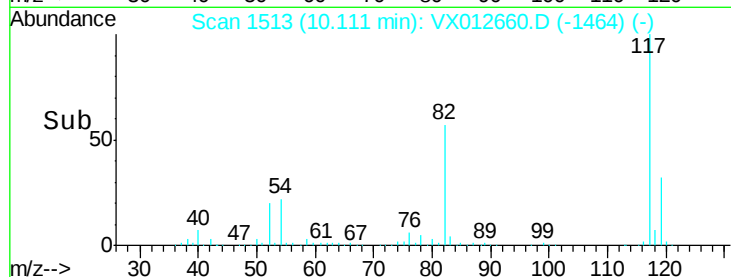
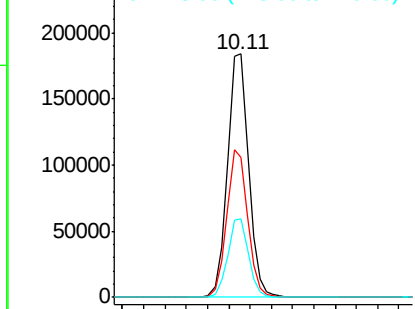
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012660.D
Acq: 25 Sep 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 257293
Ion Ratio Lower Upper
117 100
82 57.3 45.9 68.9
119 32.1 25.3 37.9

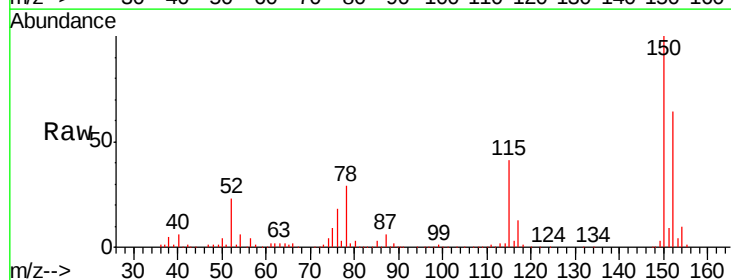


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

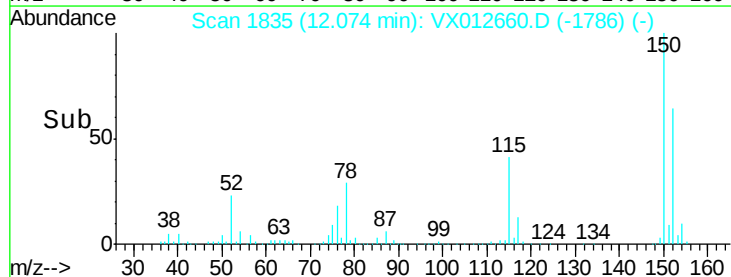
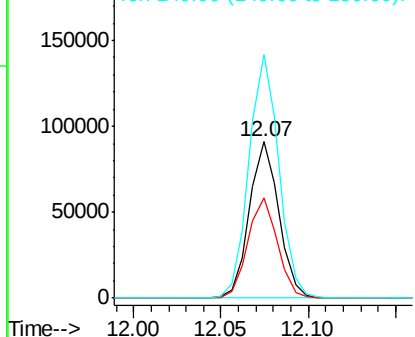


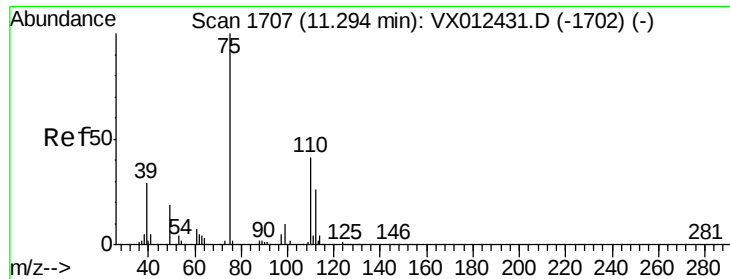
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012660.D
Acq: 25 Sep 2019 15:11

Tgt Ion:152 Resp: 106724
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 157.7 0.0 343.8



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





#76

1,2,3-Trichloropropane

Concen: 23.769 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

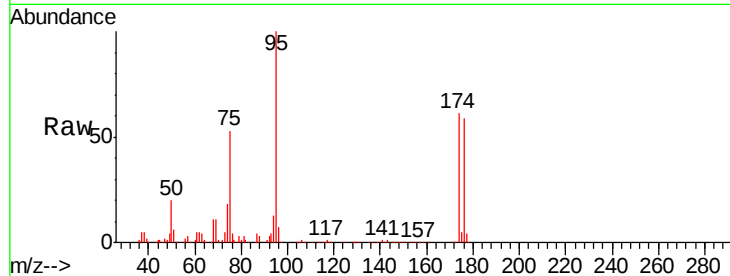
IBLK

Tgt Ion: 75 Resp: 67103

Ion Ratio Lower Upper

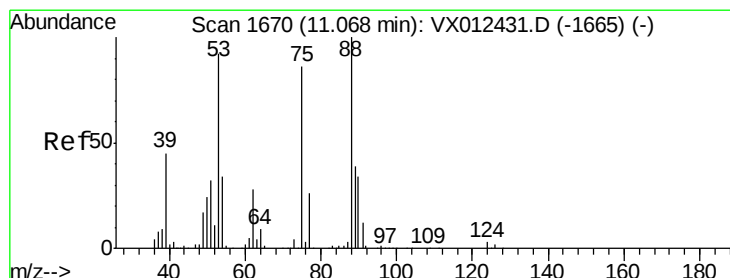
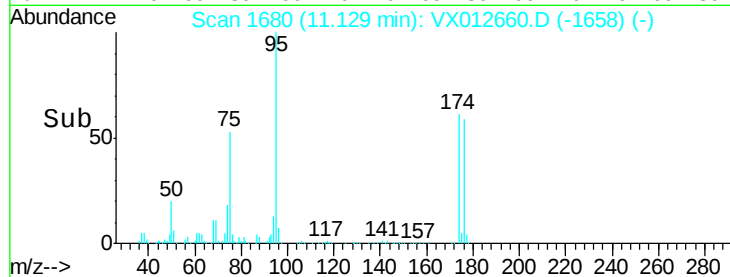
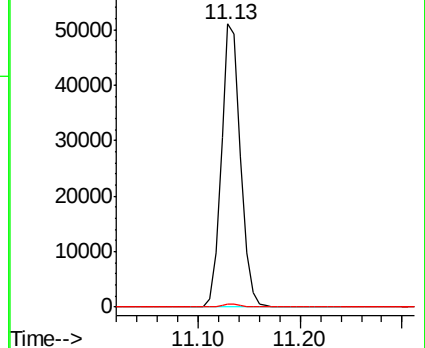
75 100

77 1.1 19.7 59.0#



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: 68.117 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012660.D

Acq: 25 Sep 2019 15:11

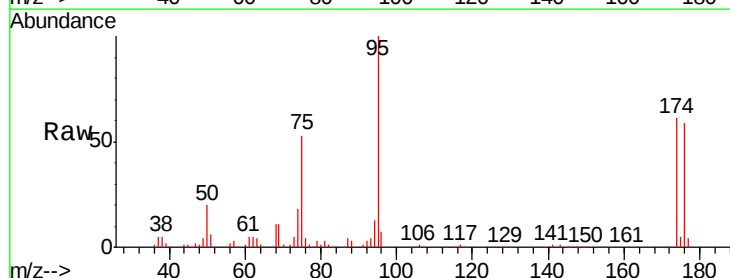
Tgt Ion: 75 Resp: 67103

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

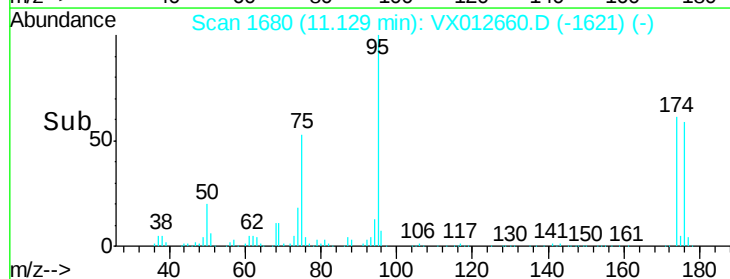
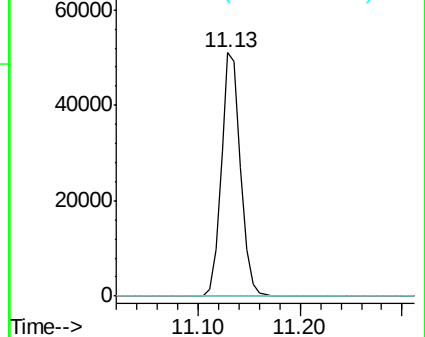
89 0.0 36.3 54.5#

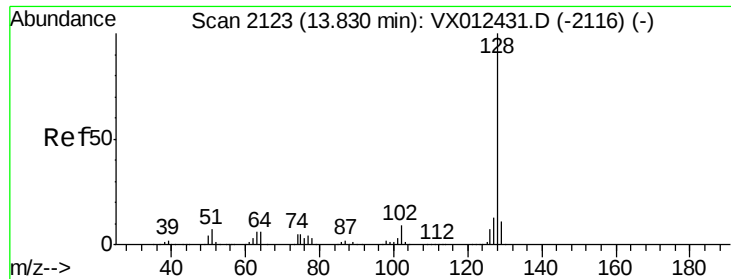


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

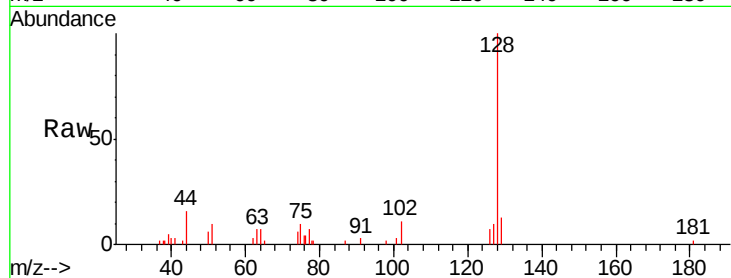




#95
Naphthalene
Concen: 0.637 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012660.D
Acq: 25 Sep 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 4981
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.6 8.8 13.2



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

