

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031319\
 Data File : VX008038.D
 Acq On : 13 Mar 2019 10:17
 Operator : JC/SP
 Sample : VX0313WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL01

Quant Time: Mar 13 10:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185885	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	139677	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
35) Dibromofluoromethane	5.50	113	128963	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	8.71	98	485583	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.13	95	179723	55.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.50%	

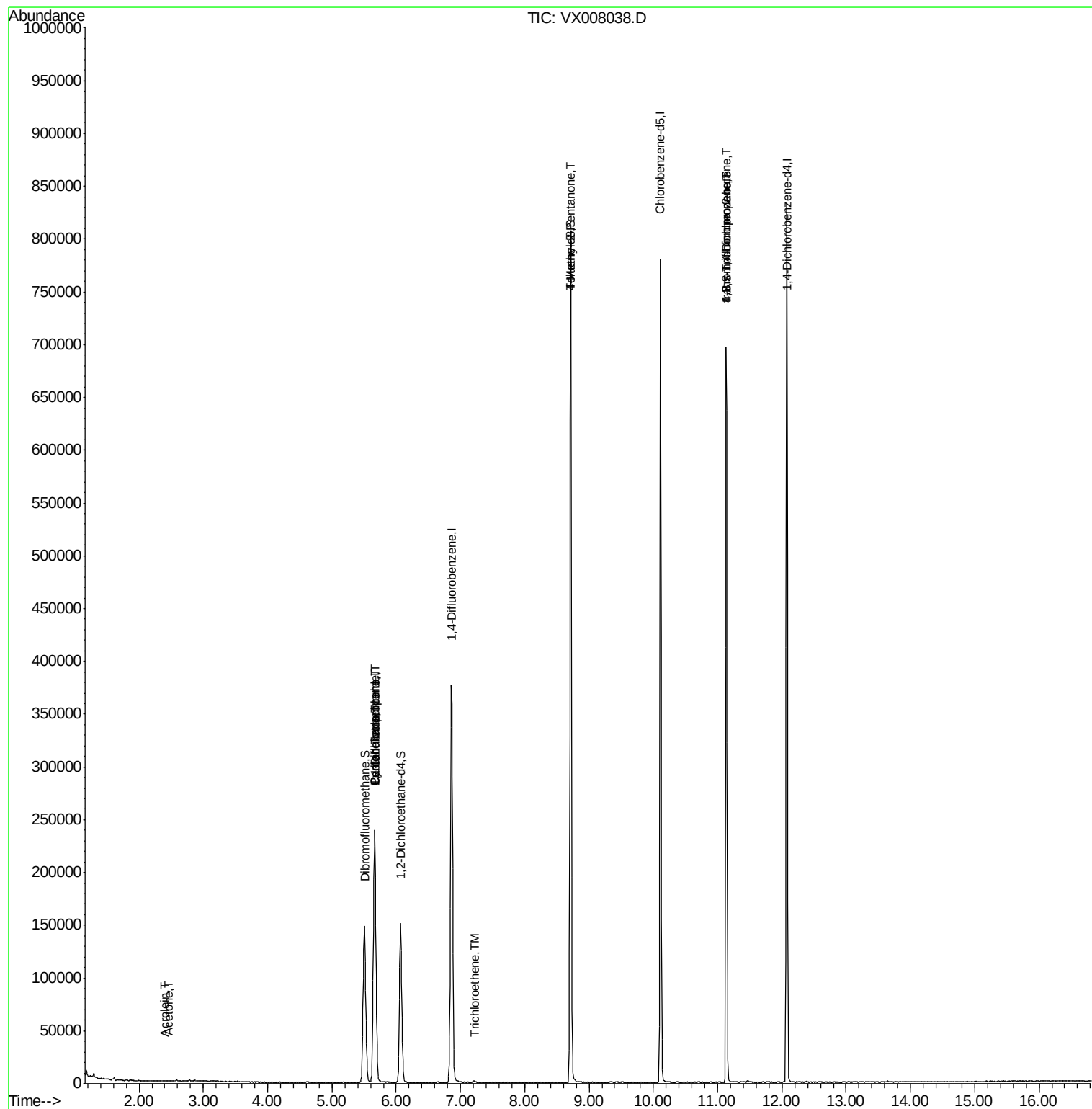
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	333	Below Cal	#	76
13) Acrolein	2.40	56	20	1.600	ug/l #	13
16) Acetone	2.45	43	354	0.230	ug/l	97
17) Carbon Disulfide	2.58	76	968	Below Cal	#	61
31) Cyclohexane	5.66	56	4102	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15801	4.419	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21467	6.323	ug/l #	17
44) Trichloroethene	7.22	130	708	0.241	ug/l	91
51) 4-Methyl-2-Pentanone	8.71	43	1986	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	81586	20.916	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81586	66.858	ug/l #	11

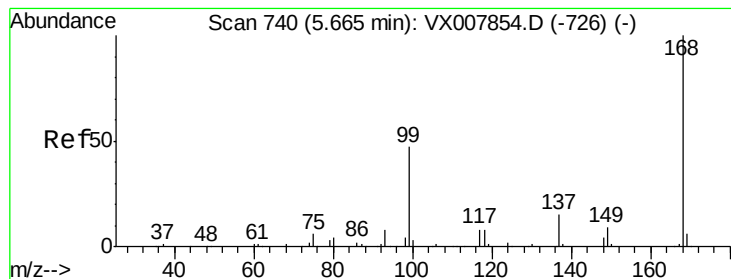
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX031319\
Data File : VX008038.D
Acq On : 13 Mar 2019 10:17
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0313WBL01

Quant Time: Mar 13 10:37:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

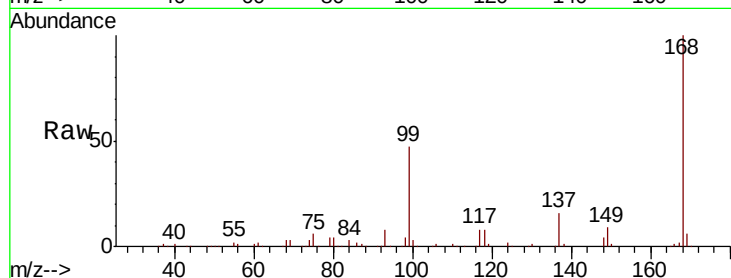
VX0313WBL01

Tgt Ion:168 Resp: 252207

Ion Ratio Lower Upper

168 100

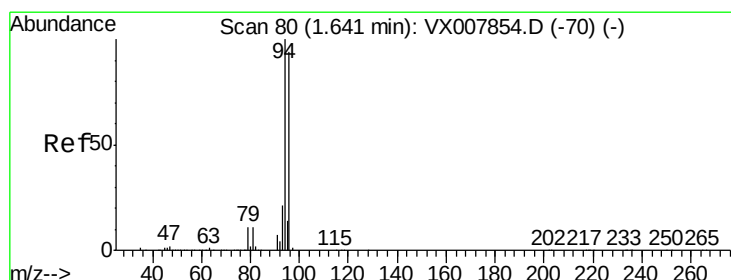
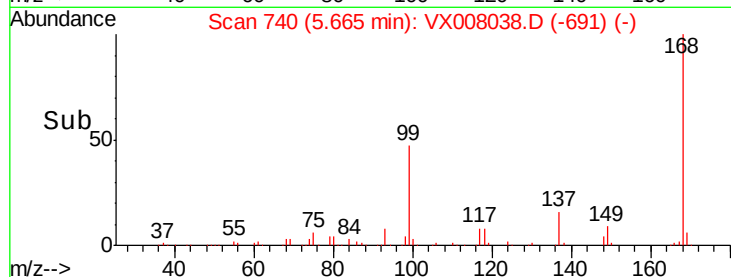
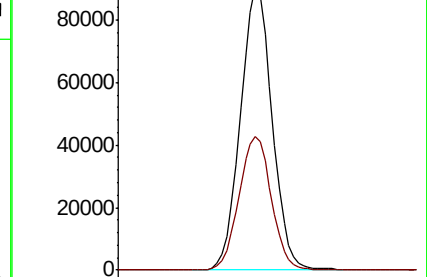
99 47.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VX007854.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX007854.D (-726) (-)

5.67



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008038.D

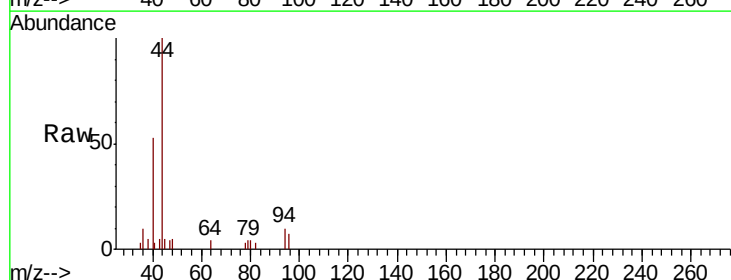
Acq: 13 Mar 2019 10:17

Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

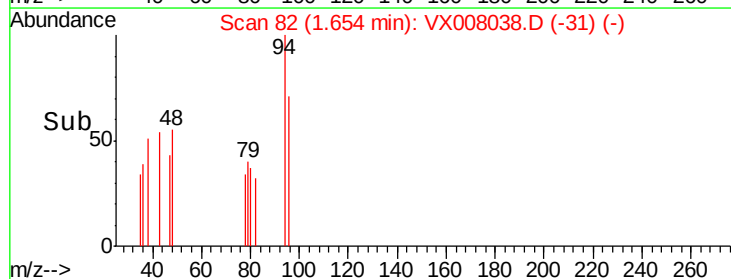
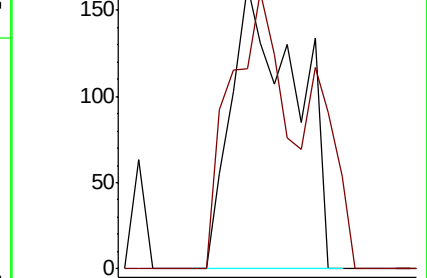
96 70.7 75.5 113.3#

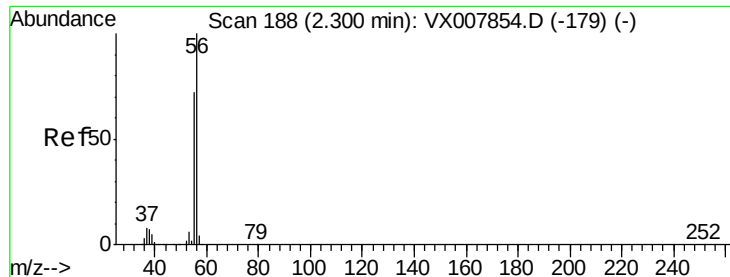


Abundance Ion 93.90 (93.60 to 94.60): VX007854.D (-70) (-)

Ion 95.90 (95.60 to 96.60): VX007854.D (-70) (-)

1.65





#13

Acrolein

Concen: 1.600 ug/l

RT: 2.40 min Scan# 205

Delta R.T. 0.10 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

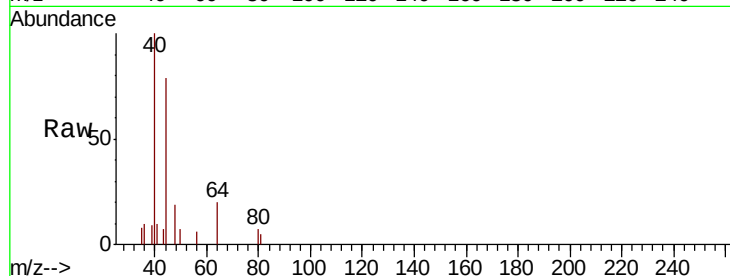
VX0313WBL01

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.40

60

50

40

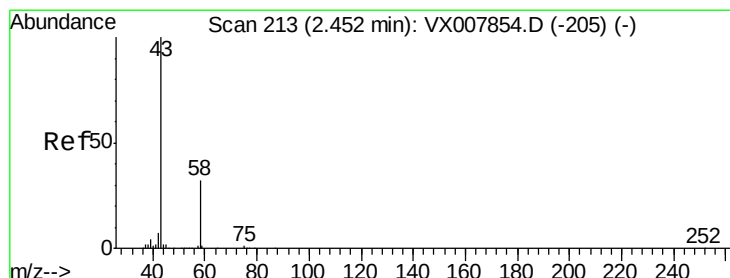
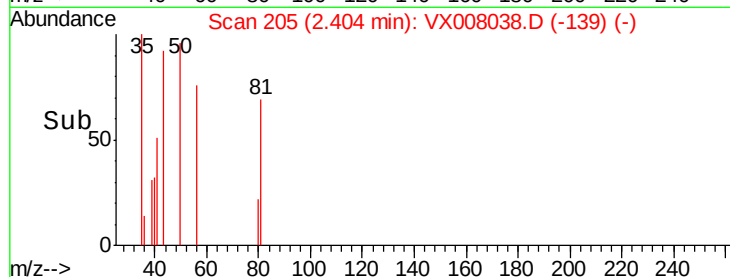
30

20

10

0

Time--> 2.38 2.39 2.40 2.41 2.42



#16

Acetone

Concen: 0.230 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX008038.D

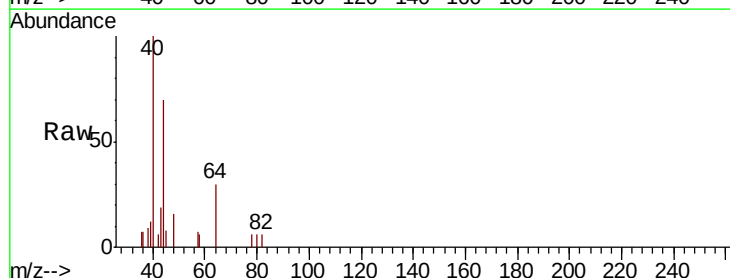
Acq: 13 Mar 2019 10:17

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

58 33.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

200

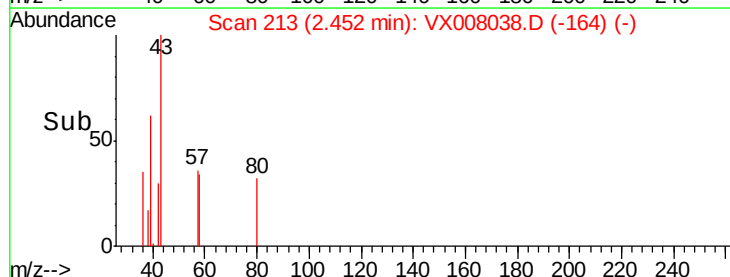
150

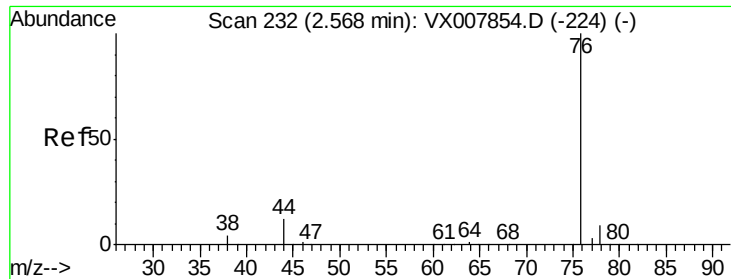
100

50

0

Time--> 2.40 2.45 2.50





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

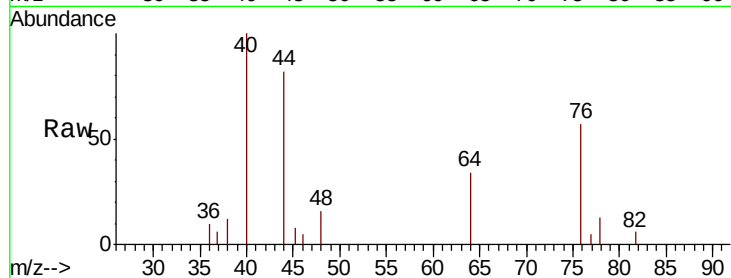
VX0313WBL01

Tgt Ion: 76 Resp: 968

Ion Ratio Lower Upper

76 100

78 23.1 7.2 10.8#

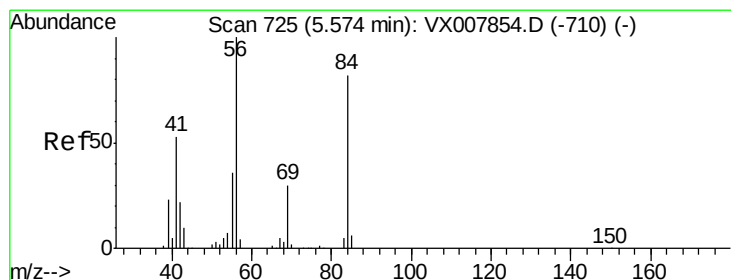
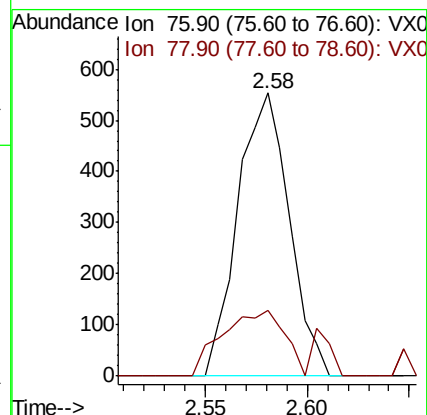
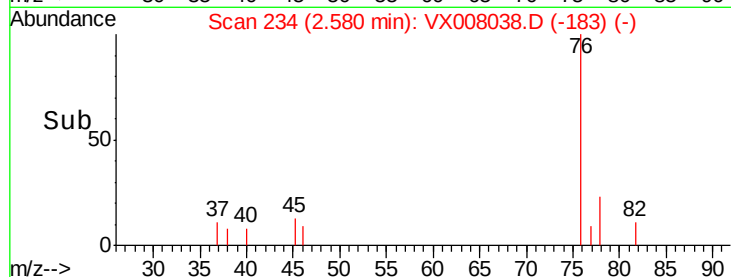


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

Time-->



#31

Cyclohexane

Concen: 1.003 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

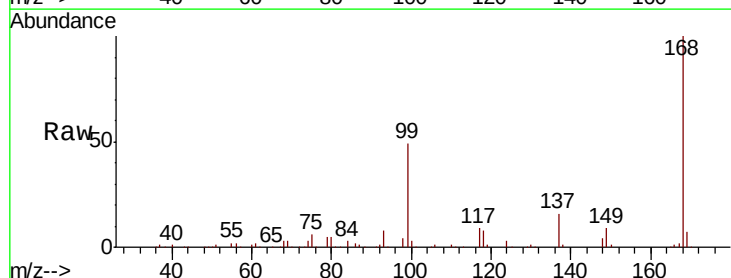
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 183.9 24.0 36.0#

84 171.4 65.3 97.9#



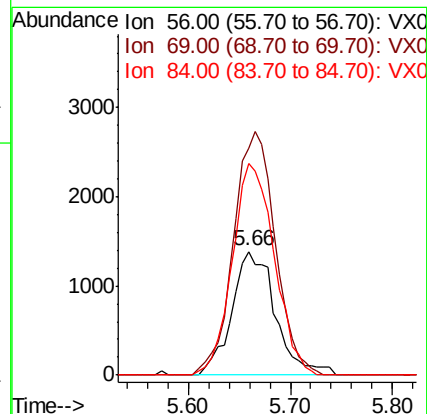
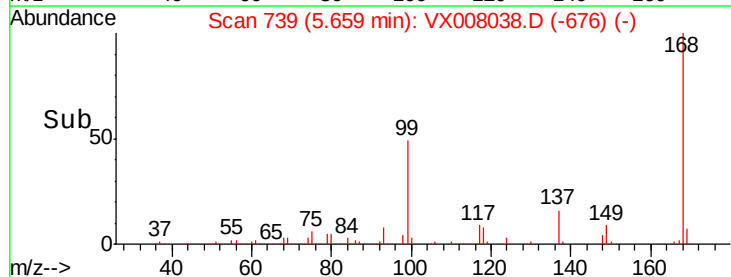
Abundance Ion 56.00 (55.70 to 56.70): VX0

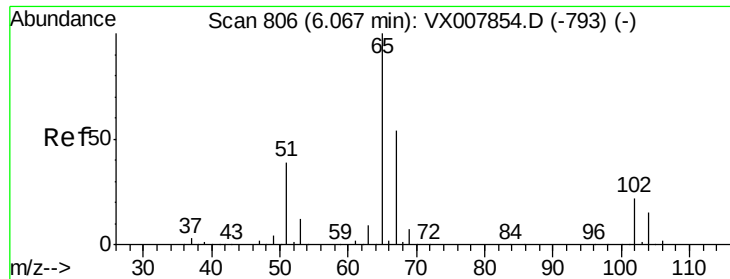
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.66

Time-->

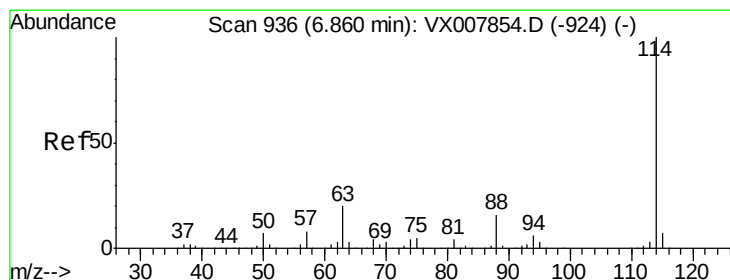
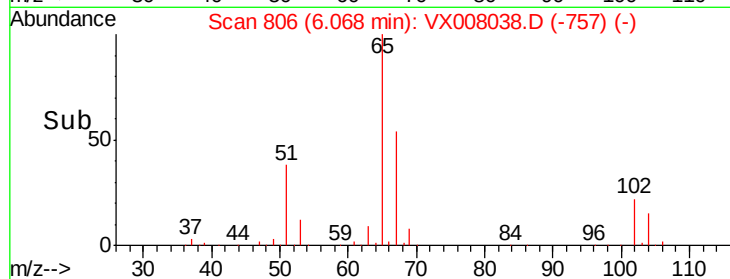
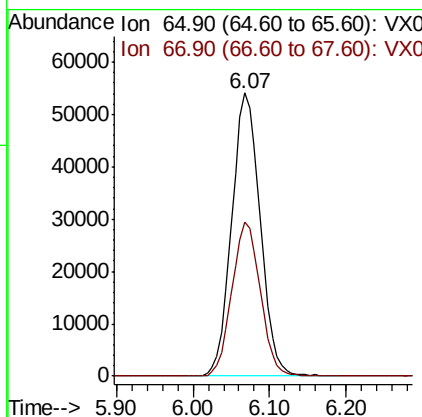
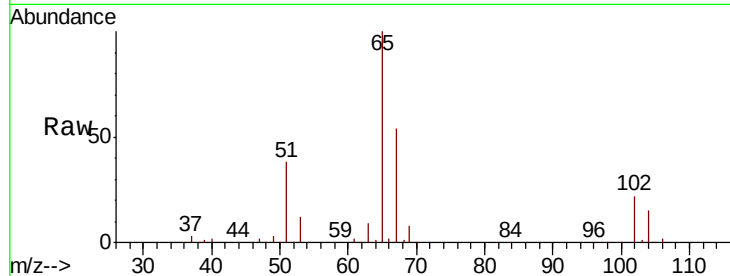




#33
 1,2-Dichloroethane-d4
 Concen: 52.499 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008038.D
 Acq: 13 Mar 2019 10:17

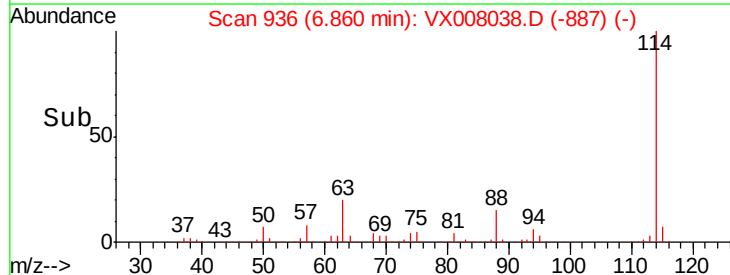
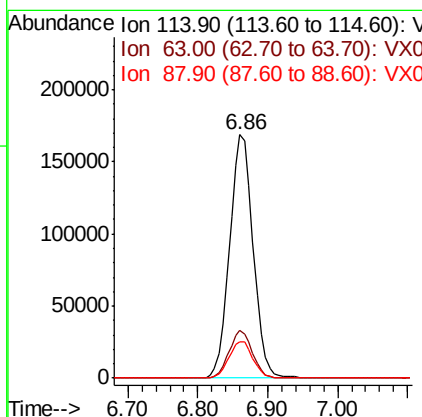
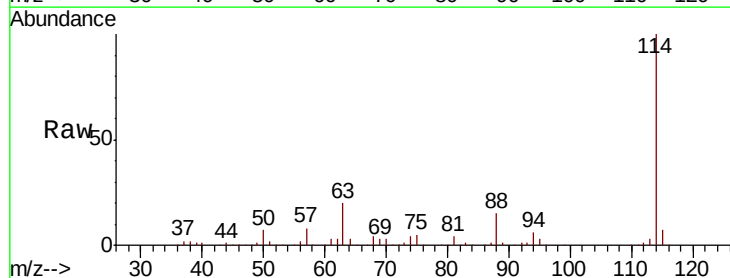
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL01

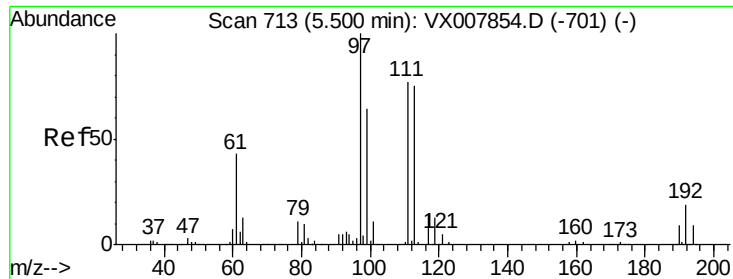
Tgt Ion: 65 Resp: 139677
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008038.D
 Acq: 13 Mar 2019 10:17

Tgt Ion: 114 Resp: 394923
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.0 0.0 31.4

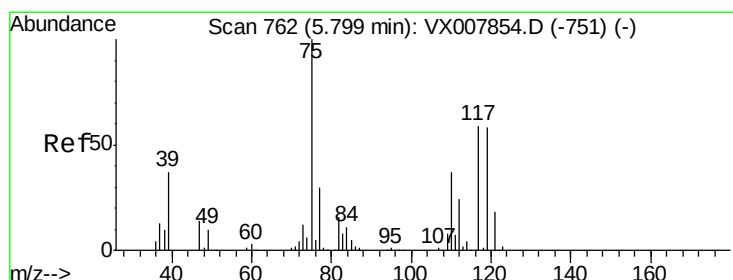
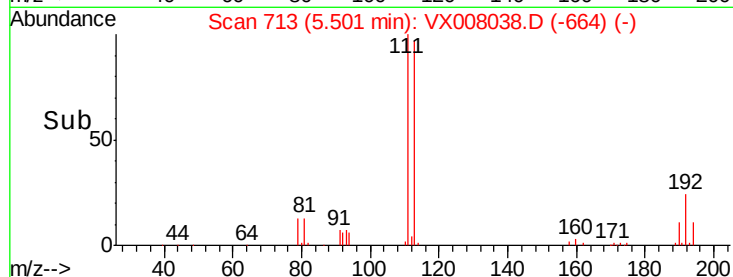
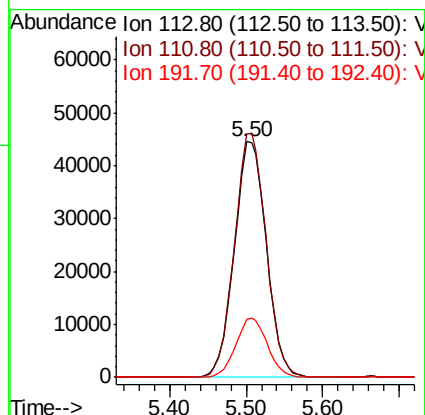
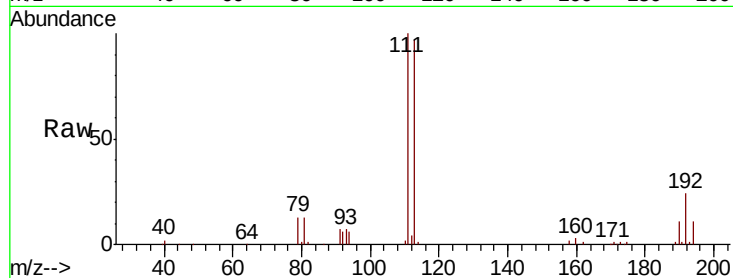




#35
 Dibromofluoromethane
 Concen: 51.050 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008038.D
 Acq: 13 Mar 2019 10:17

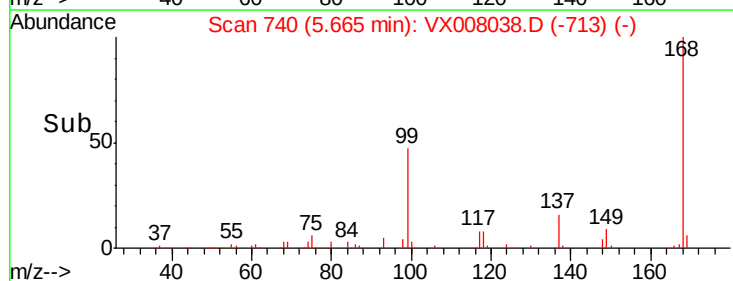
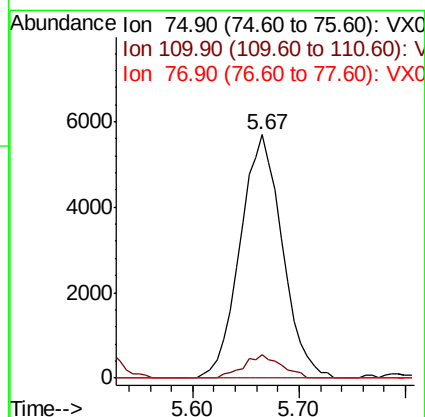
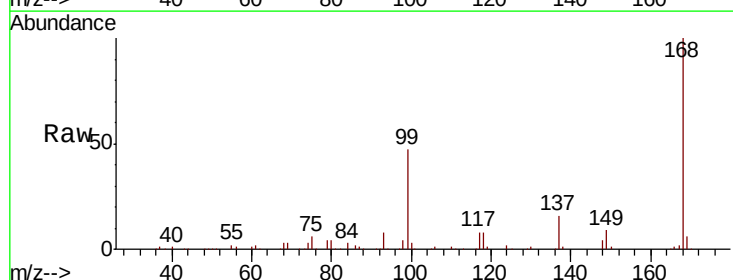
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBL01

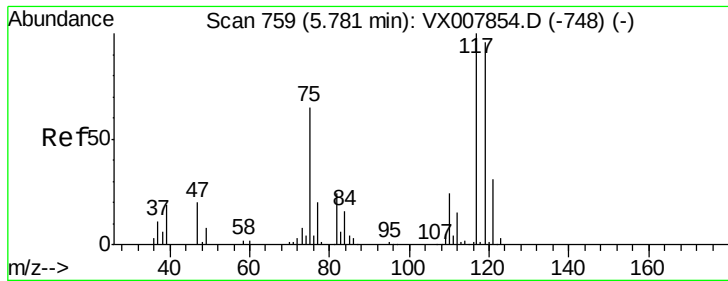
Tgt Ion:113 Resp: 128963
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 24.7 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.419 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008038.D
 Acq: 13 Mar 2019 10:17

Tgt Ion: 75 Resp: 15801
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.323 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL01

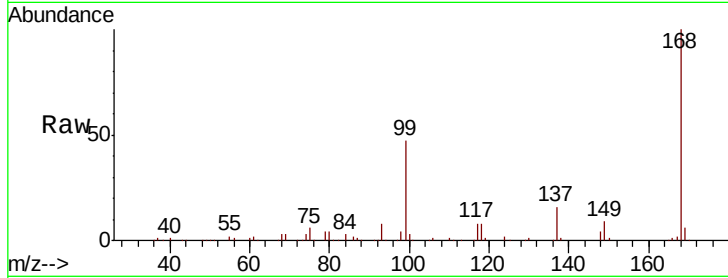
Tgt Ion:117 Resp: 21467

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.2#

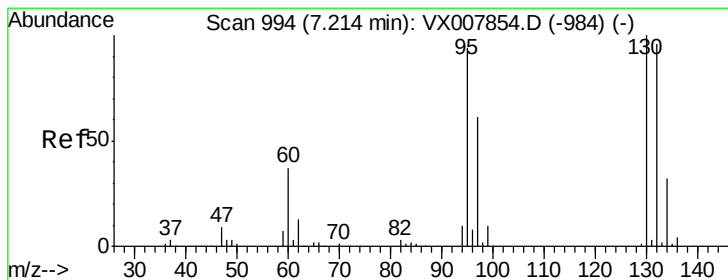
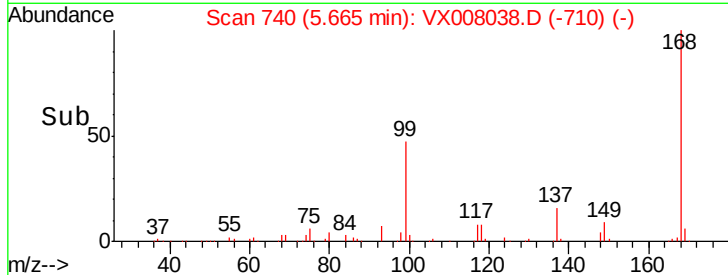
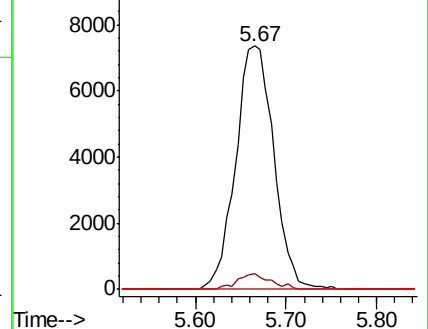
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.241 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008038.D

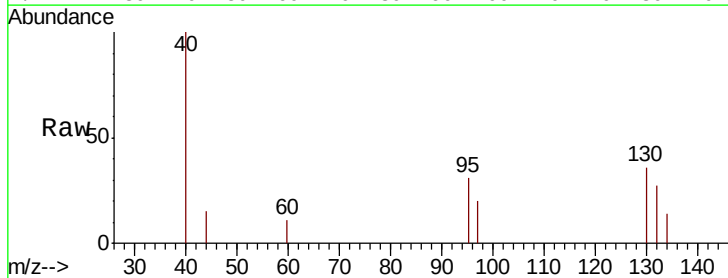
Acq: 13 Mar 2019 10:17

Tgt Ion:130 Resp: 708

Ion Ratio Lower Upper

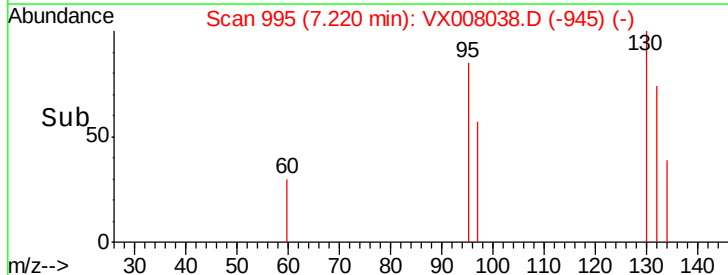
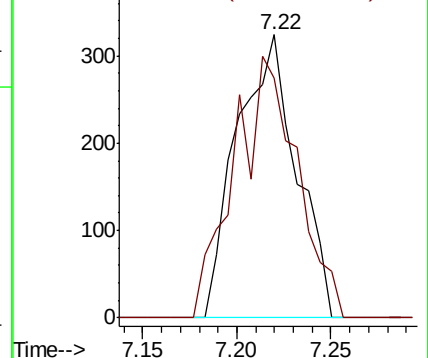
130 100

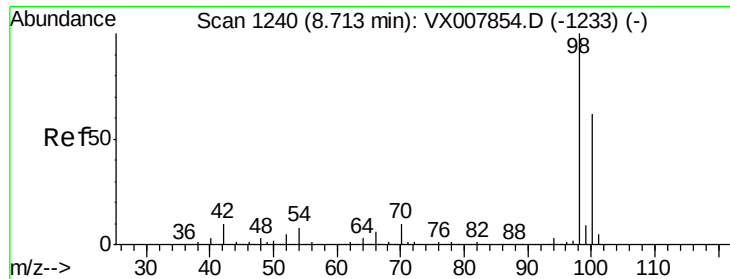
95 84.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

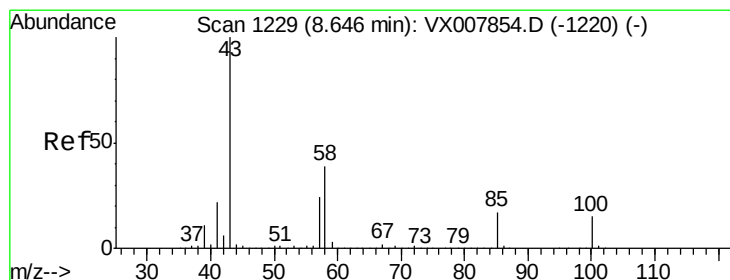
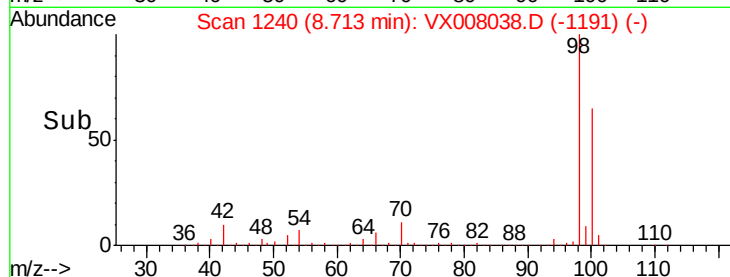
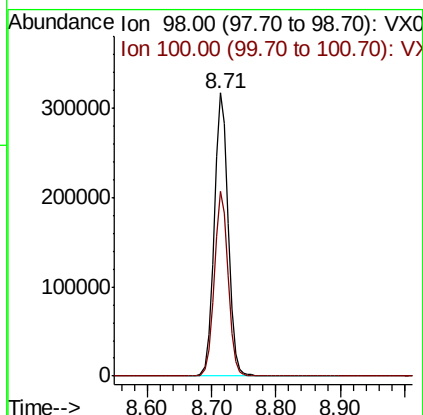
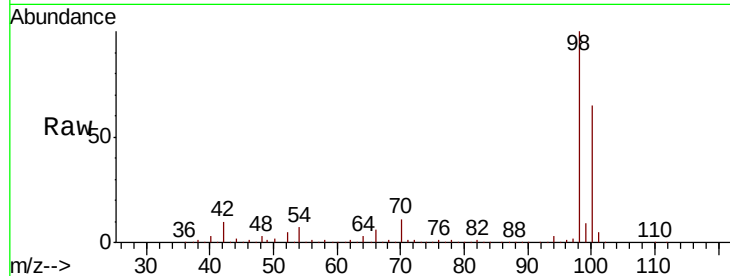




#50
Toluene-d8
Concen: 52.340 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008038.D
Acq: 13 Mar 2019 10:17

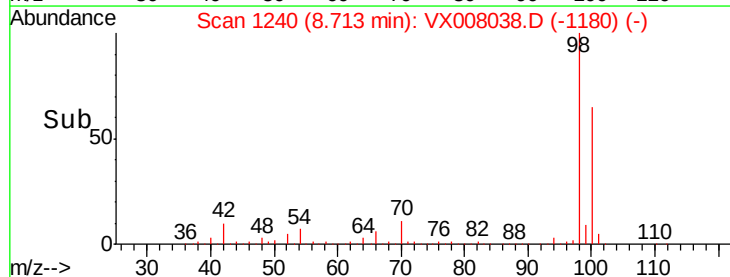
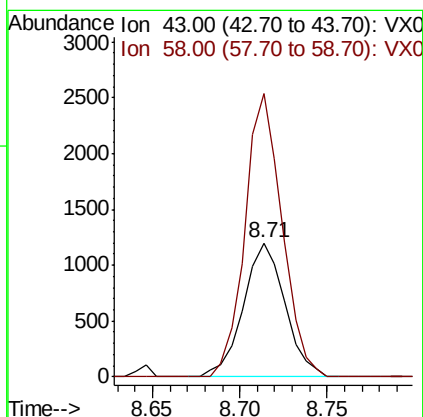
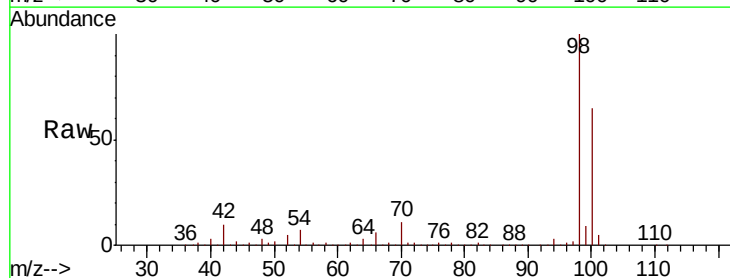
Instrument :
MSVOA_X
ClientSampleId :
VX0313WBL01

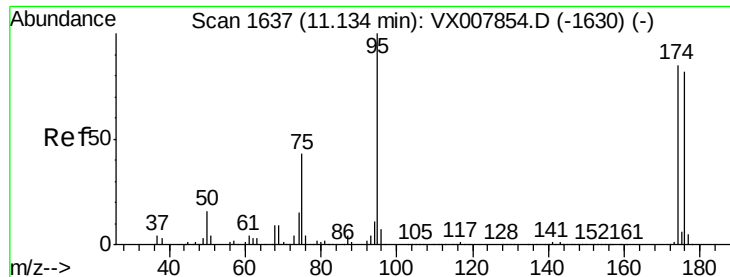
Tgt Ion: 98 Resp: 485583
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.492 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008038.D
Acq: 13 Mar 2019 10:17

Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
58 187.9 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 55.253 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL01

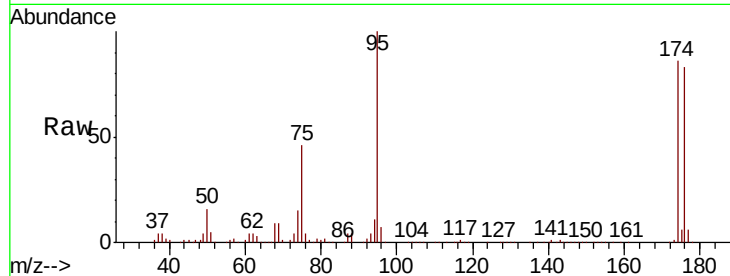
Tgt Ion: 95 Resp: 179723

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.8

176 90.0 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

11.13

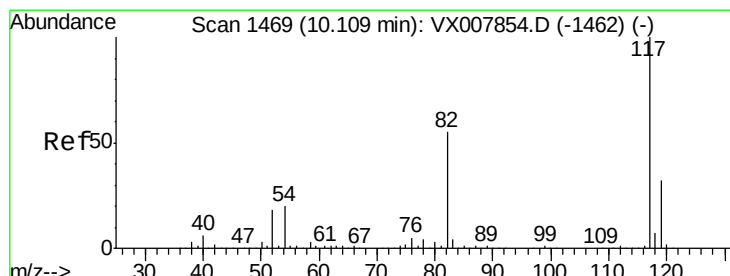
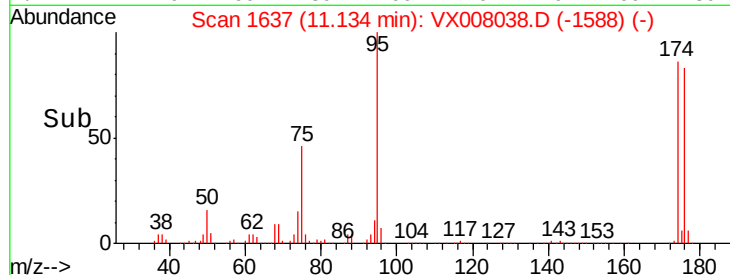
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

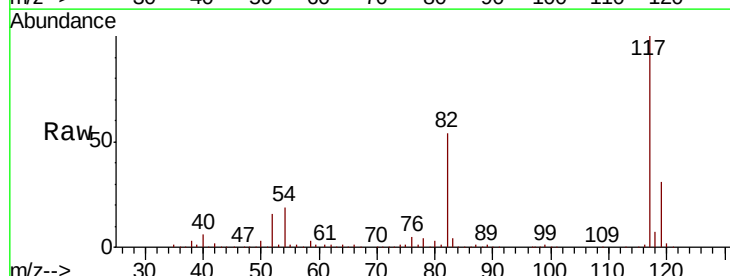
Tgt Ion: 117 Resp: 379486

Ion Ratio Lower Upper

117 100

82 54.0 44.3 66.5

119 31.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

10.11

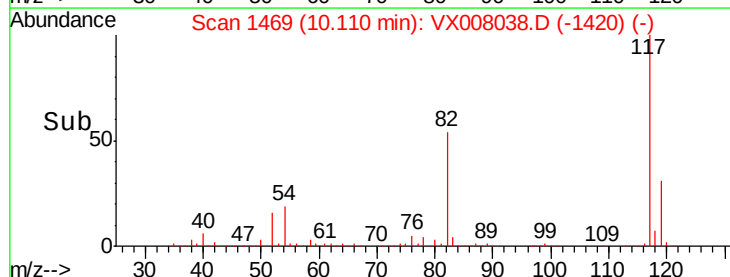
300000

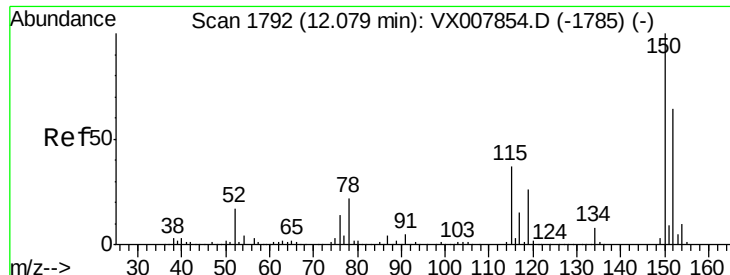
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL01

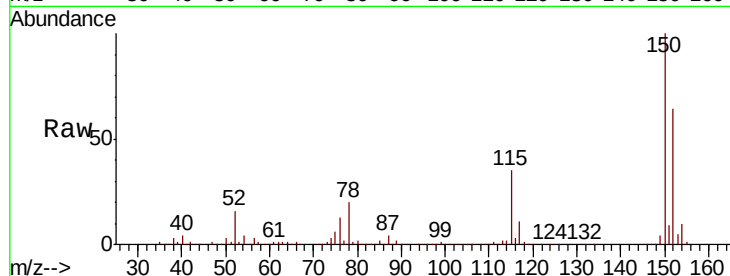
Tgt Ion:152 Resp: 185885

Ion Ratio Lower Upper

152 100

115 55.3 38.6 115.7

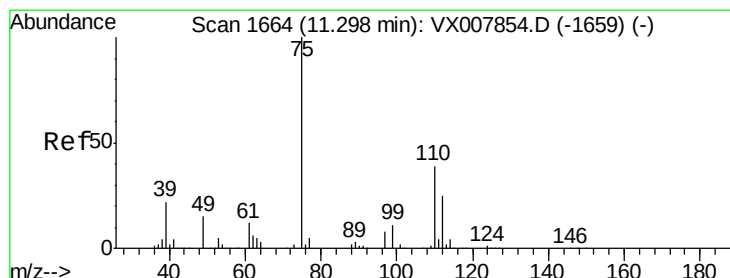
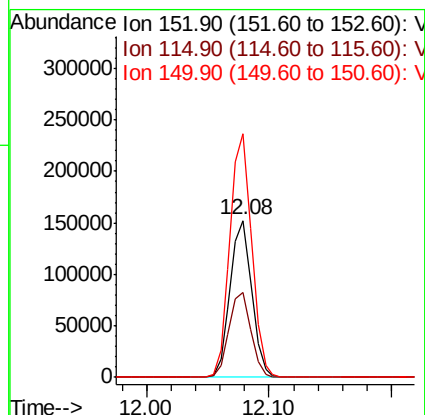
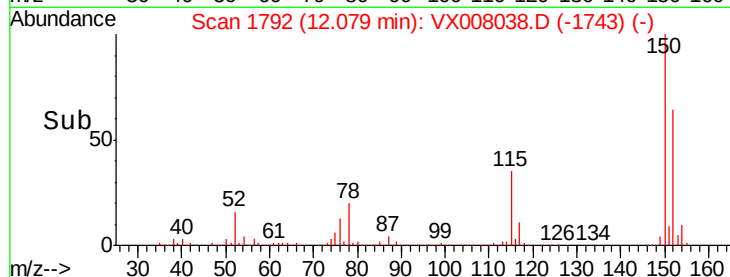
150 156.4 0.0 348.4



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: 20.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008038.D

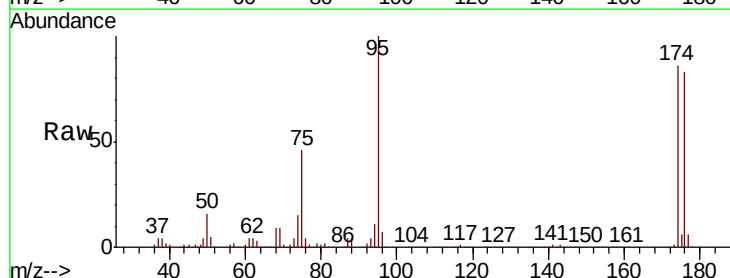
Acq: 13 Mar 2019 10:17

Tgt Ion: 75 Resp: 81586

Ion Ratio Lower Upper

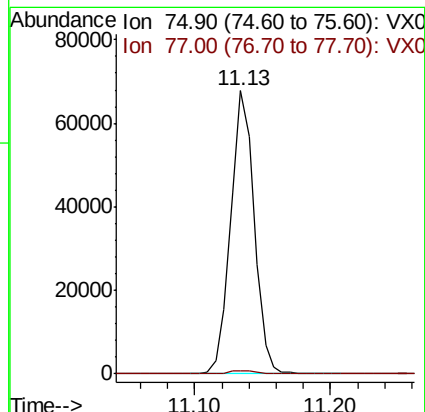
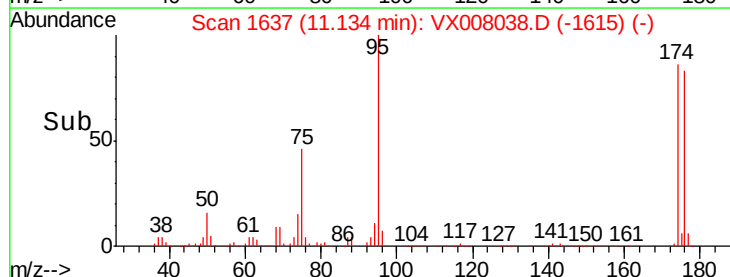
75 100

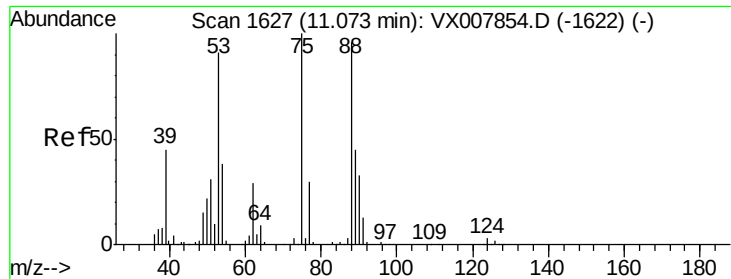
77 1.3 18.9 56.7#



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: 66.858 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008038.D

Acq: 13 Mar 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBL01

Tgt Ion: 75 Resp: 81586

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

