

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008732.D
 Acq On : 06 Apr 2019 19:45
 Operator : JC/SP
 Sample : K2295-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-190404

Quant Time: Apr 08 01:57:03 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	195105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114563	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	132819	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
35) Dibromofluoromethane	5.50	113	96699	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	402846	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	132224	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

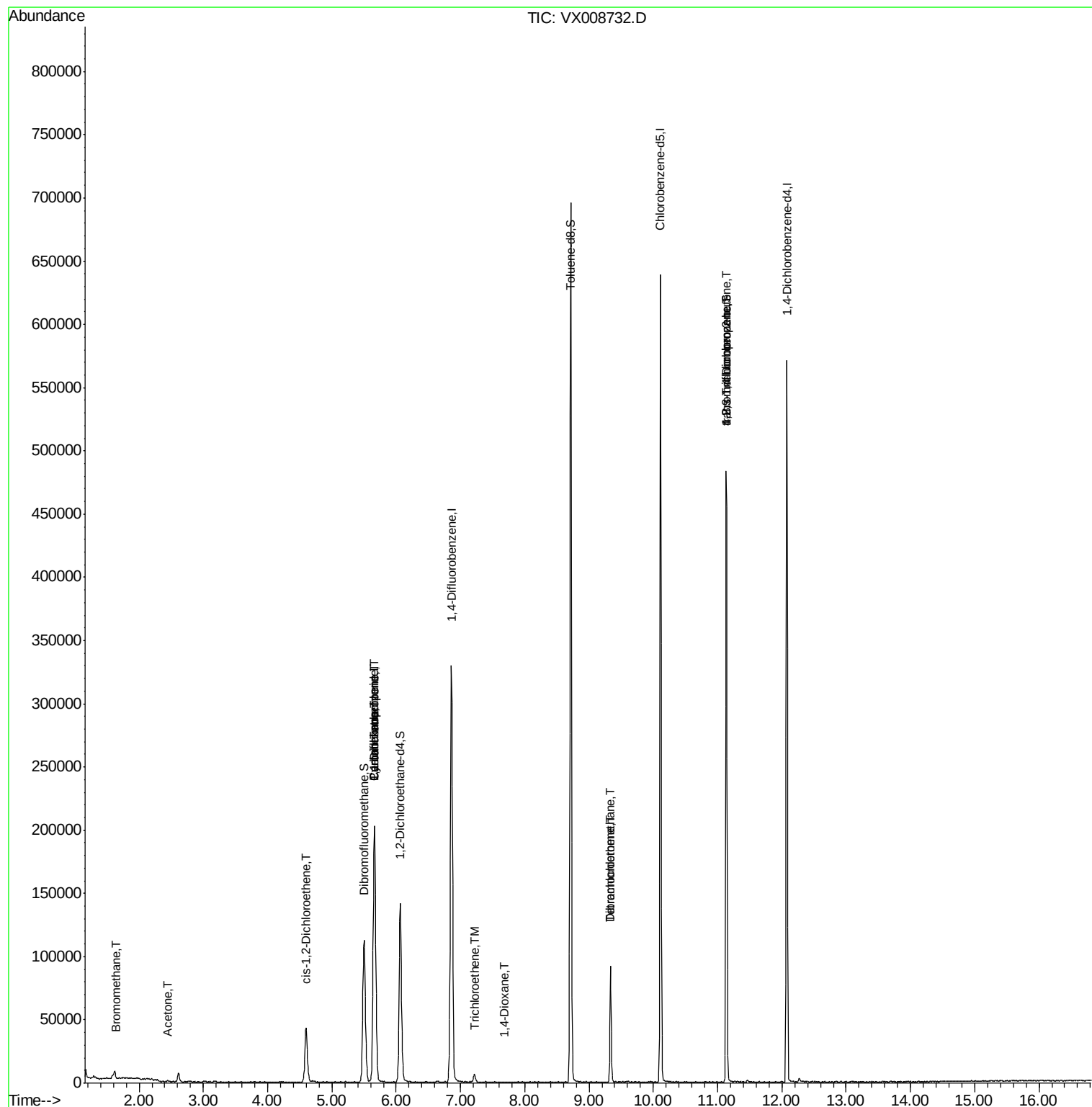
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	364	Below Cal	#	83
5) Bromomethane	1.64	94	213	2.022	ug/l	90
6) Chloroethane	1.73	64	695	Below Cal		100
16) Acetone	2.45	43	1110	0.677	ug/l #	81
17) Carbon Disulfide	2.57	76	298	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.60	96	26424	9.420	ug/l	89
28) Bromochloromethane	5.03	49	59	Below Cal	#	22
31) Cyclohexane	5.67	56	4404	0.896	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16102	4.552	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18860	6.442	ug/l #	16
44) Trichloroethene	7.21	130	2310	0.941	ug/l	87
49) 1,4-Dioxane	7.68	88	19	0.271	ug/l #	1
60) Dibromochloromethane	9.34	129	16544	7.040	ug/l #	11
64) Tetrachloroethene	9.34	164	17029	8.331	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	67166	21.342	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67166	58.830	ug/l #	9

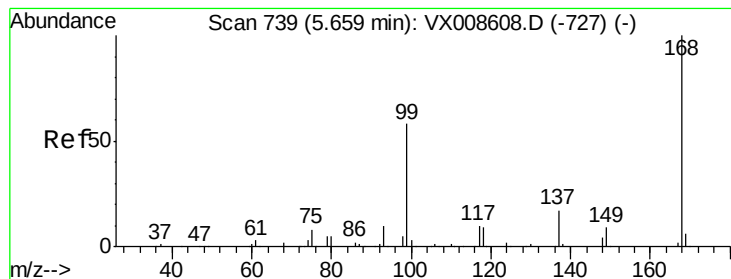
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040619\
Data File : VX008732.D
Acq On : 06 Apr 2019 19:45
Operator : JC/SP
Sample : K2295-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY067MW013-190404

Quant Time: Apr 08 01:57:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

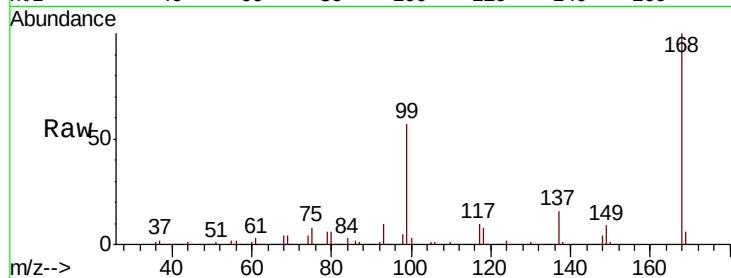
KY067MW013-190404

Tot Ion:168 Resp: 195105

Ion Ratio Lower Upper

168 100

99 57.0 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

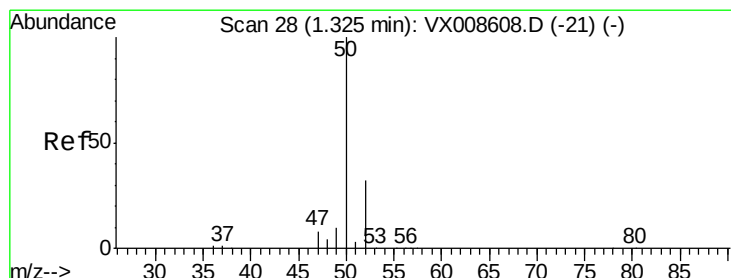
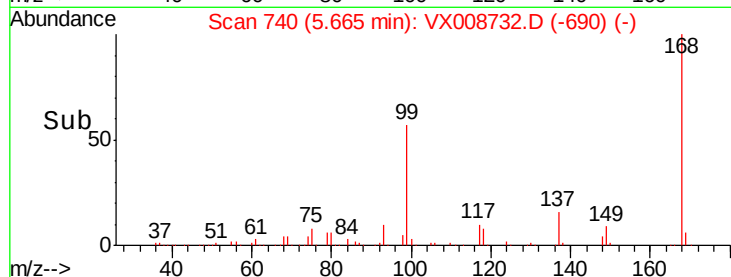
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008732.D

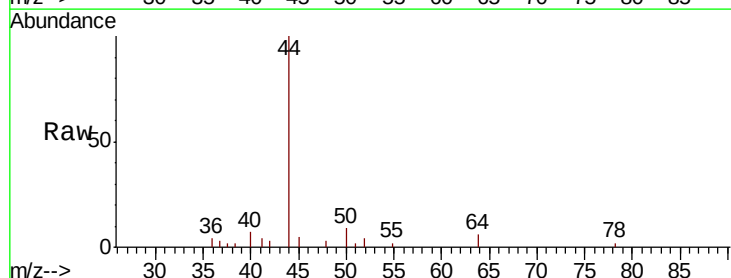
Acq: 06 Apr 2019 19:45

Tgt Ion: 50 Resp: 364

Ion Ratio Lower Upper

50 100

52 42.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

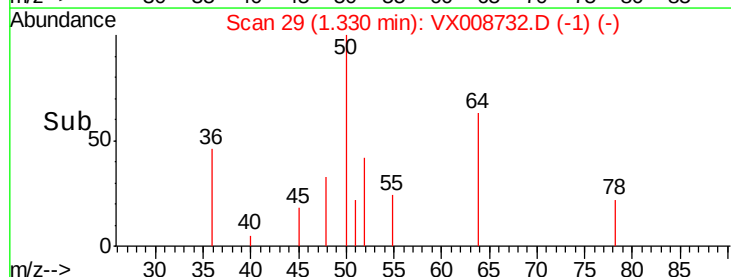
150

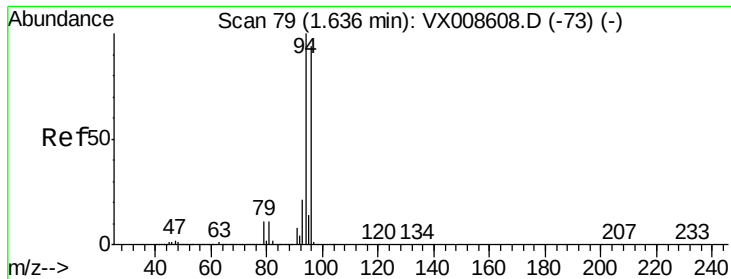
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.022 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

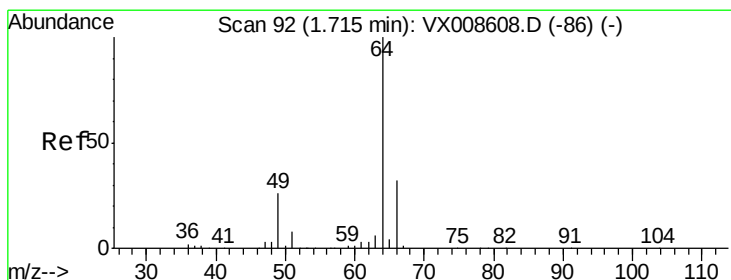
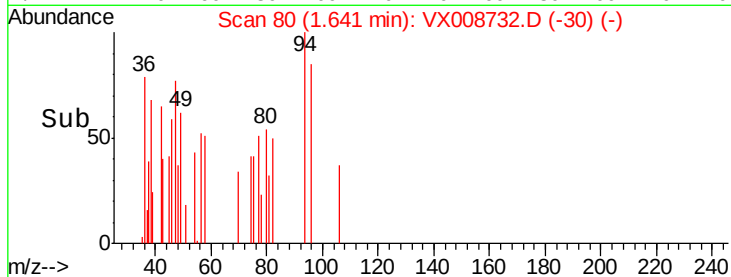
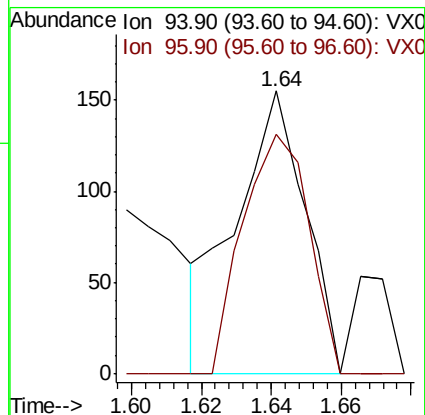
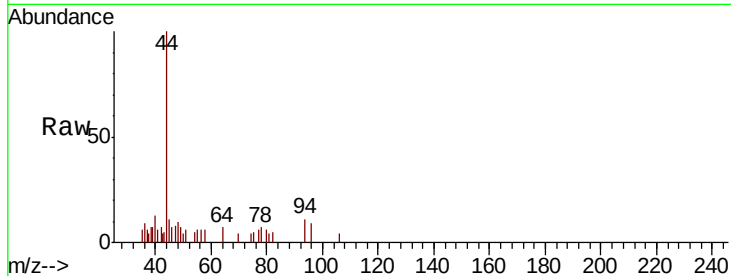
KY067MW013-190404

Tot Ion: 94 Resp: 213

Ion Ratio Lower Upper

94 100

96 84.5 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008732.D

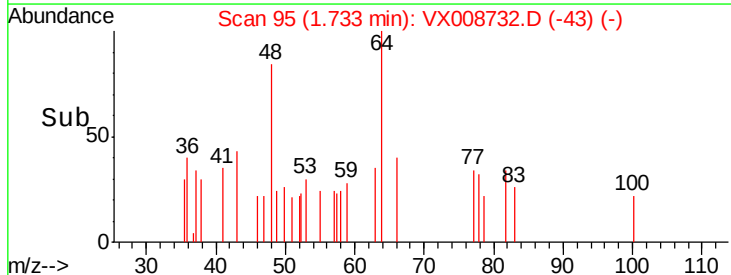
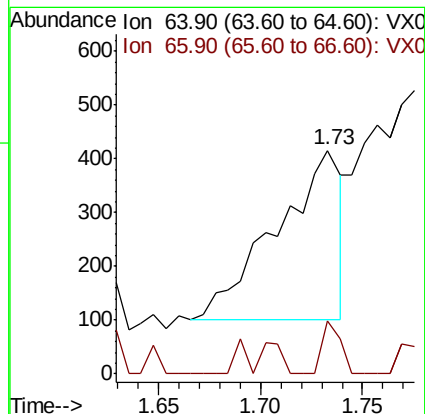
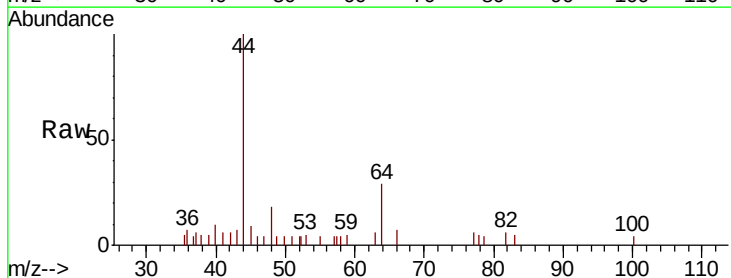
Acq: 06 Apr 2019 19:45

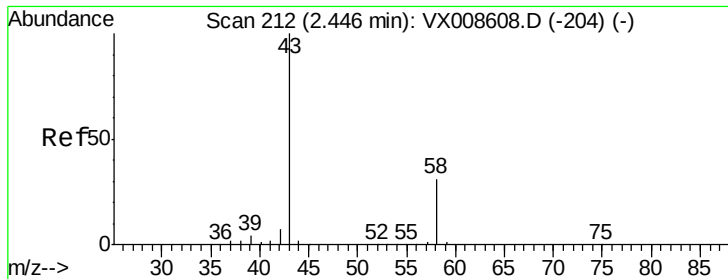
Tgt Ion: 64 Resp: 695

Ion Ratio Lower Upper

64 100

66 31.5 25.4 38.0





#16

Acetone

Concen: 0.677 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

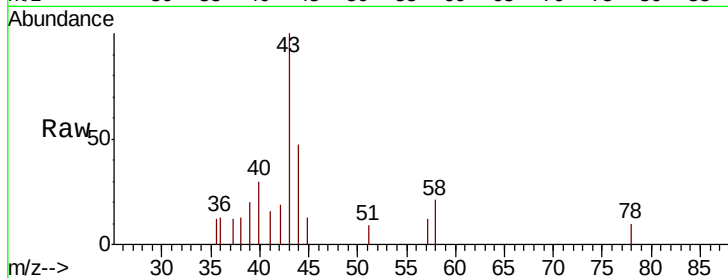
KY067MW013-190404

Tot Ion: 43 Resp: 1110

Ion Ratio Lower Upper

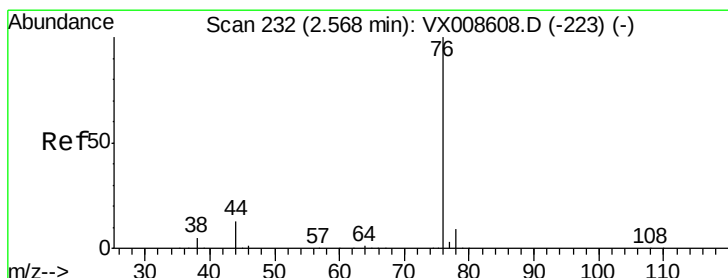
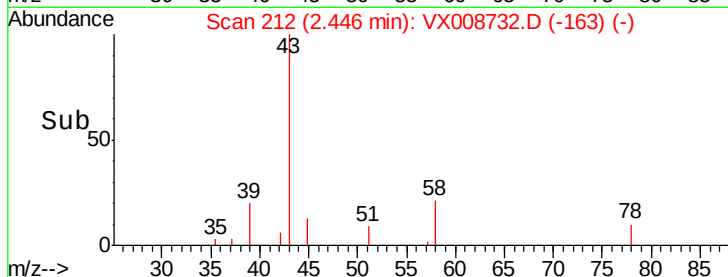
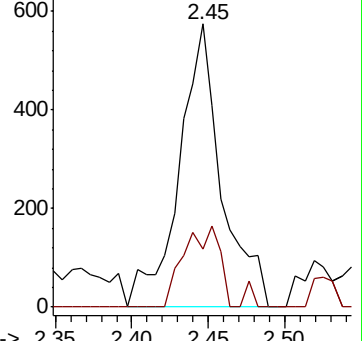
43 100

58 20.6 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008732.D

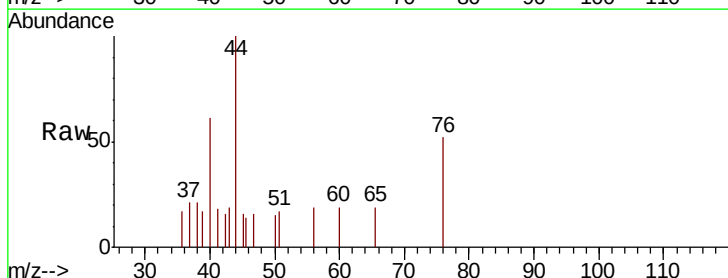
Acq: 06 Apr 2019 19:45

Tgt Ion: 76 Resp: 298

Ion Ratio Lower Upper

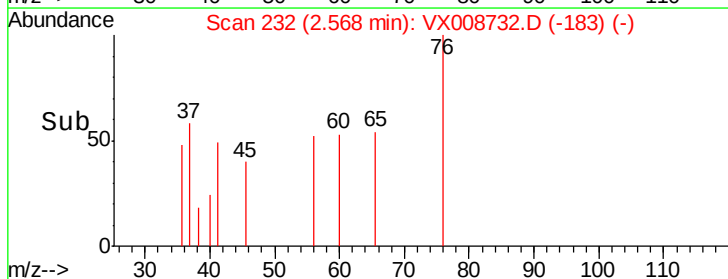
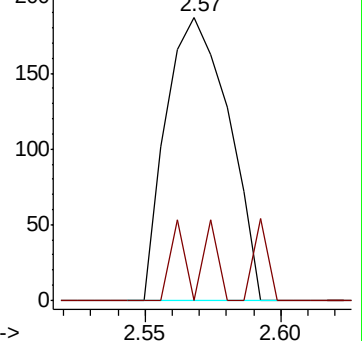
76 100

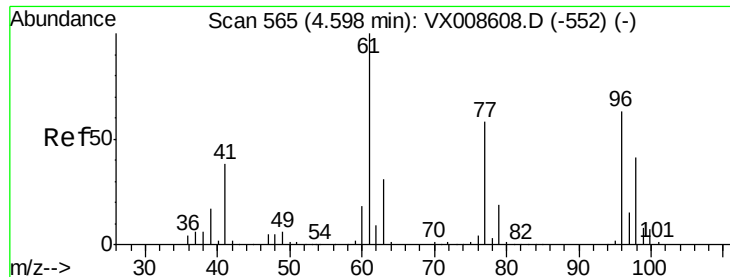
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



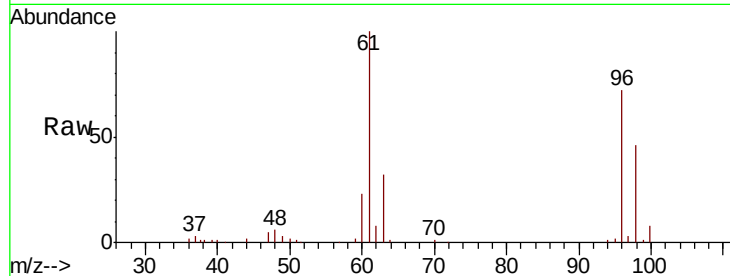


#27

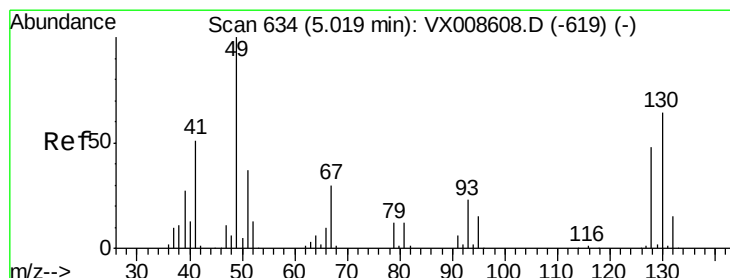
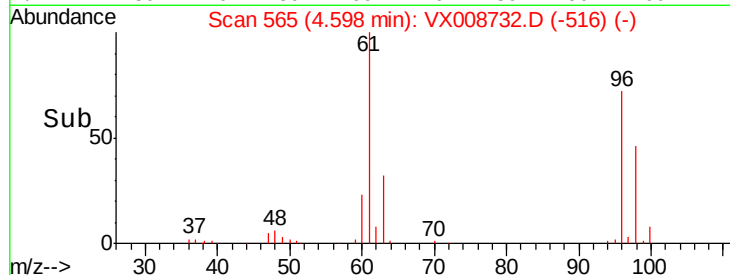
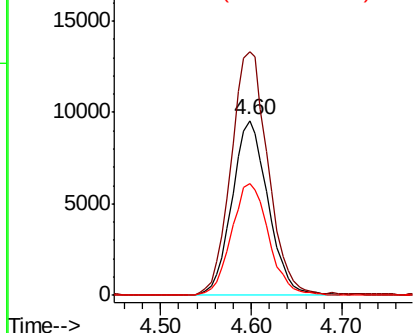
cis-1,2-Dichloroethene
Concen: 9.420 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008732.D
Acq: 06 Apr 2019 19:45

Instrument :
MSVOA_X
ClientSampleId :
KY067MW013-190404

Tot Ion: 96 Resp: 26424
Ion Ratio Lower Upper
96 100
61 143.7 0.0 327.6
98 65.6 0.0 128.6



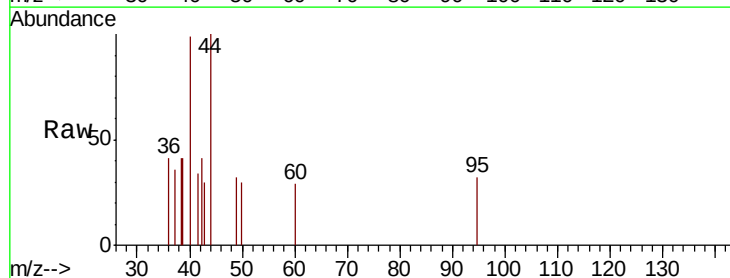
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



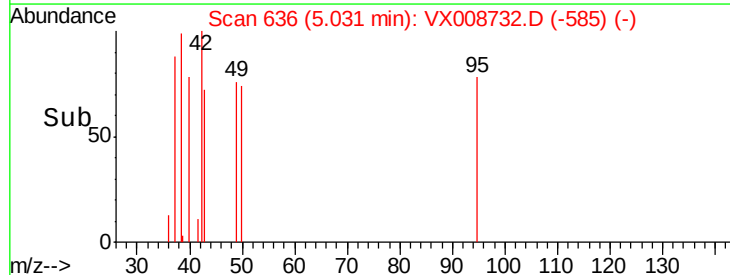
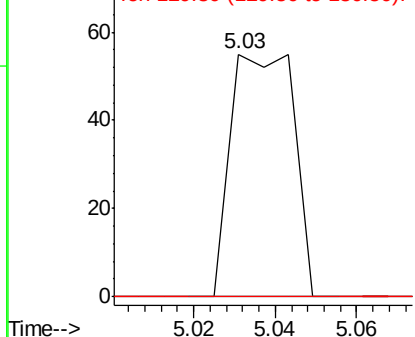
#28

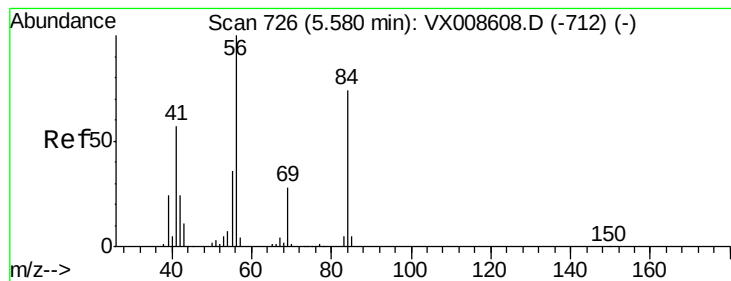
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008732.D
Acq: 06 Apr 2019 19:45

Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 0.896 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

KY067MW013-190404

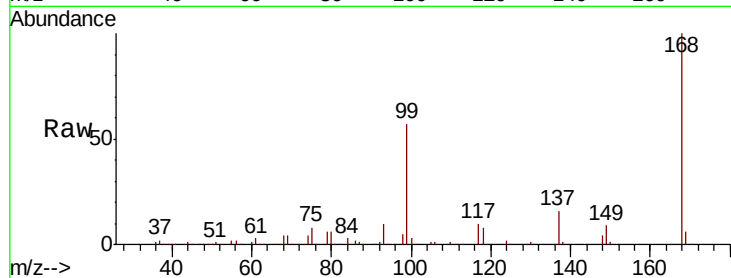
Tot Ion: 56 Resp: 4404

Ion Ratio Lower Upper

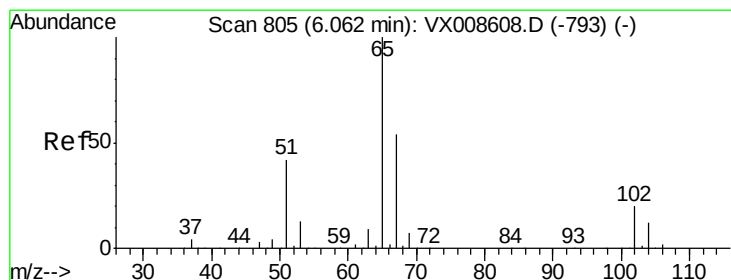
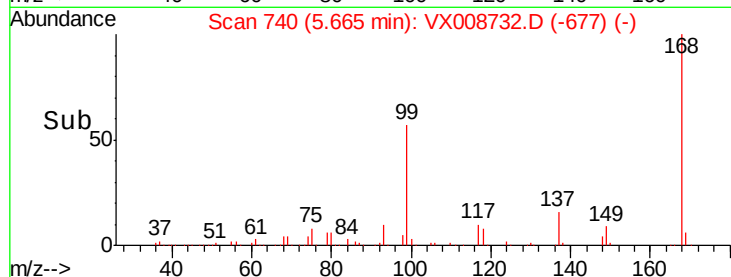
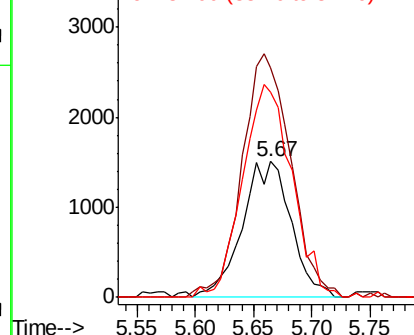
56 100

69 168.4 22.6 33.8#

84 150.5 59.3 88.9#



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



#33

1,2-Dichloroethane-d4

Concen: 46.673 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008732.D

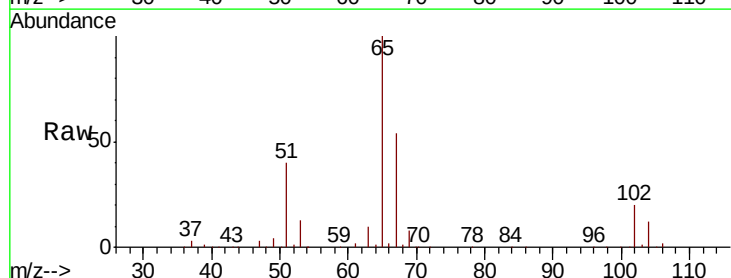
Acq: 06 Apr 2019 19:45

Tgt Ion: 65 Resp: 132819

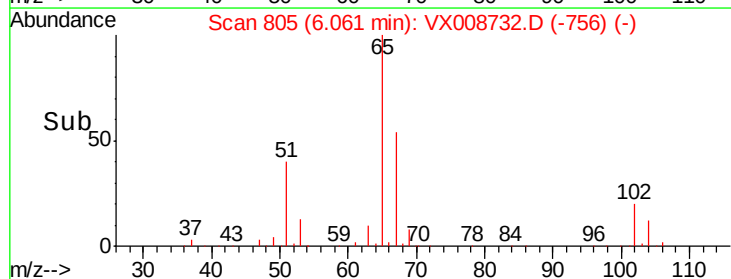
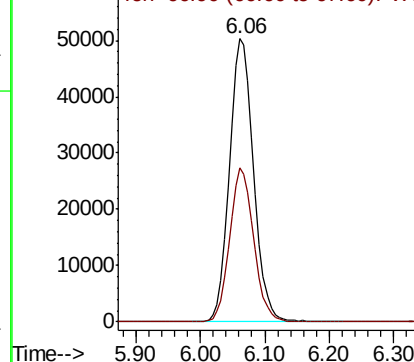
Ion Ratio Lower Upper

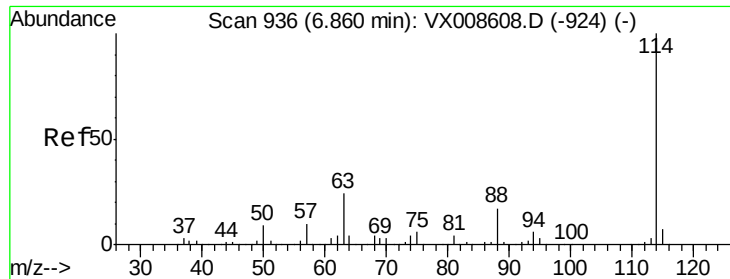
65 100

67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

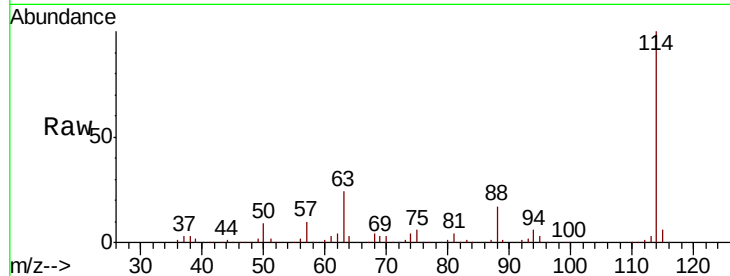




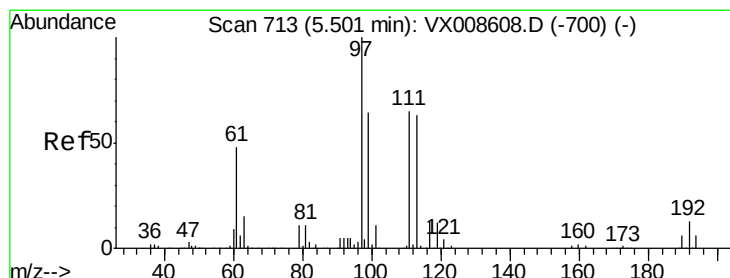
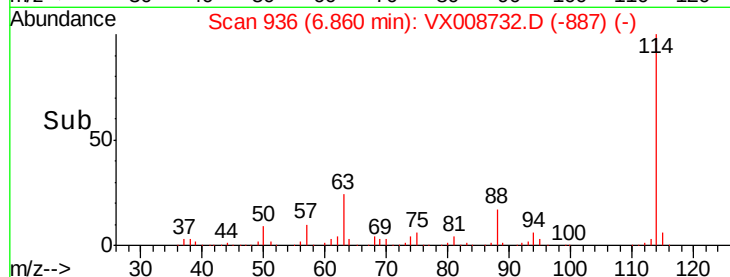
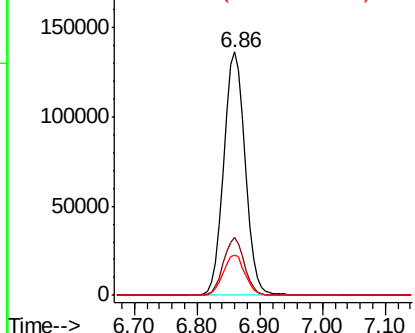
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008732.D
 Acq: 06 Apr 2019 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-190404

Tot Ion:114 Resp: 323621
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.6 0.0 34.0

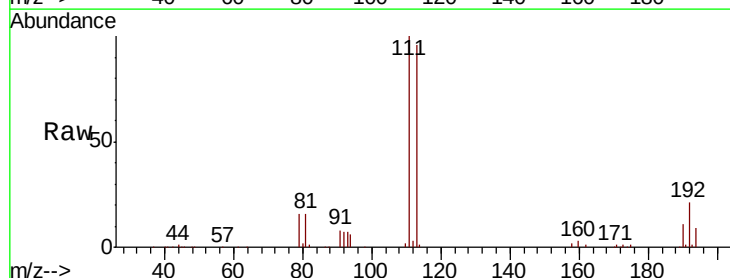


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

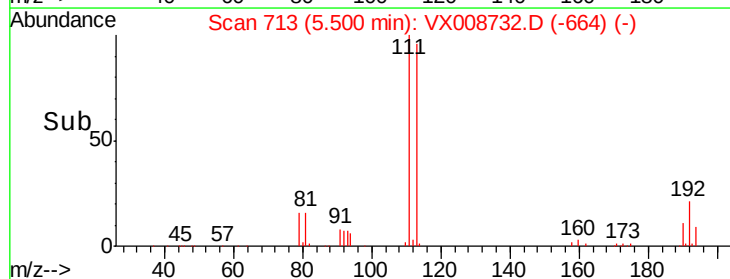
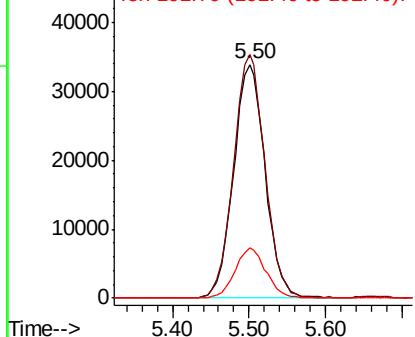


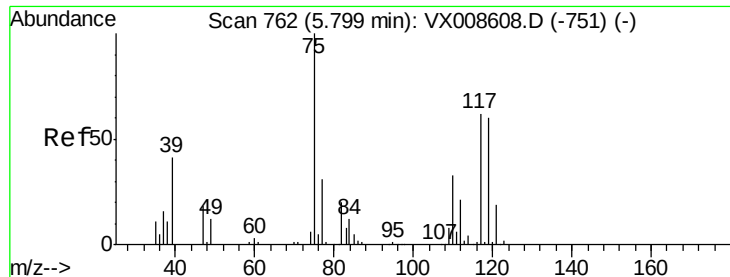
#35
 Dibromofluoromethane
 Concen: 46.735 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008732.D
 Acq: 06 Apr 2019 19:45

Tgt Ion:113 Resp: 96699
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 21.1 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

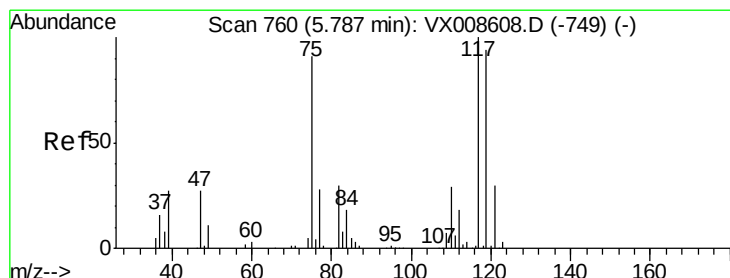
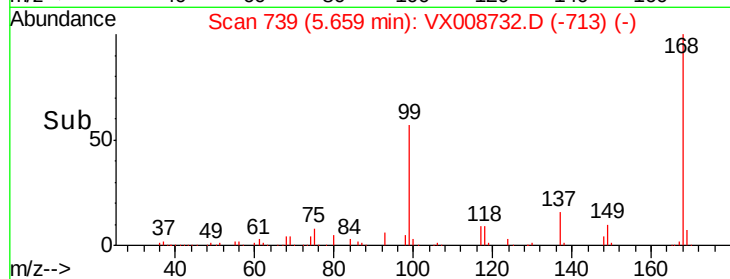
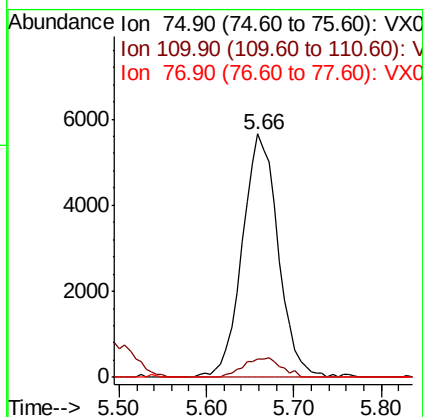
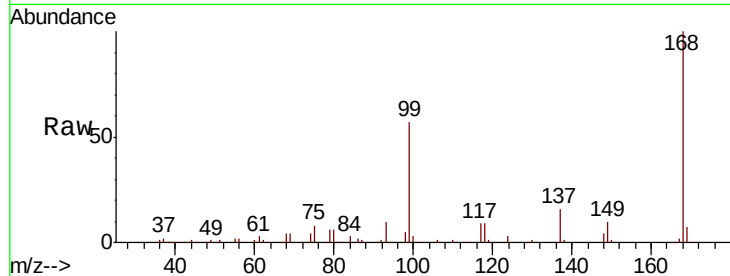




#36
 1,1-Dichloropropene
 Concen: 4.552 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008732.D
 Acq: 06 Apr 2019 19:45

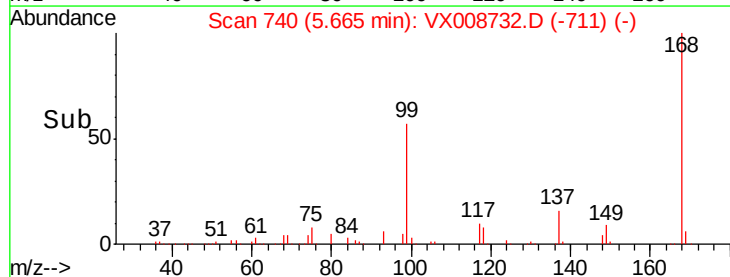
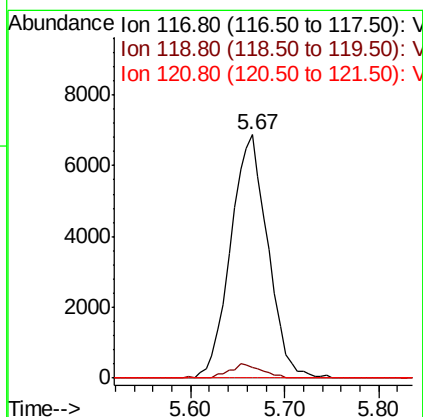
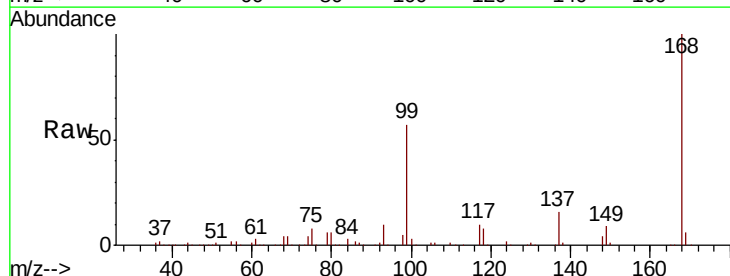
Instrument :
 MSVOA_X
 ClientSampleId :
 KY067MW013-190404

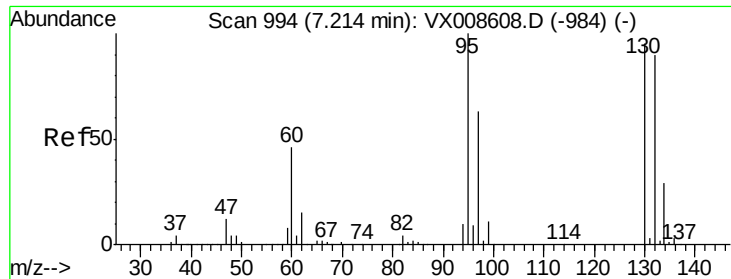
Tot Ion	75	Resp	16102
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.442 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008732.D
 Acq: 06 Apr 2019 19:45

Tgt Ion	117	Resp	18860
Ion Ratio	100	Lower	Upper
117	100		
119	4.6	75.0	112.6#
121	0.0	24.3	36.5#





#44

Trichloroethene

Concen: 0.941 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

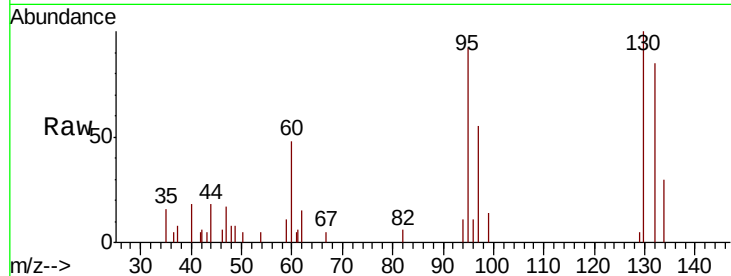
KY067MW013-190404

Tot Ion:130 Resp: 2310

Ion Ratio Lower Upper

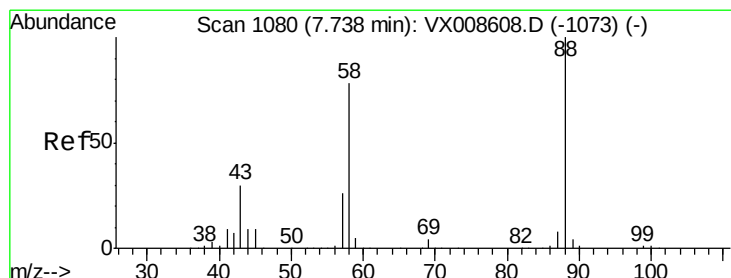
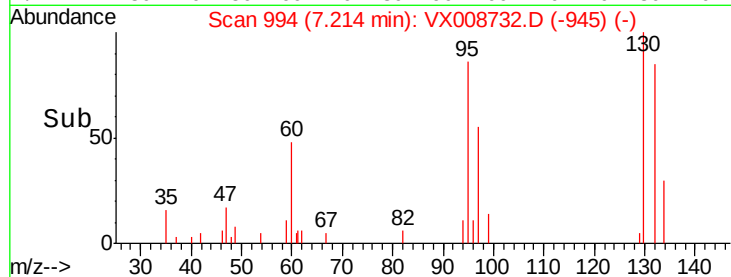
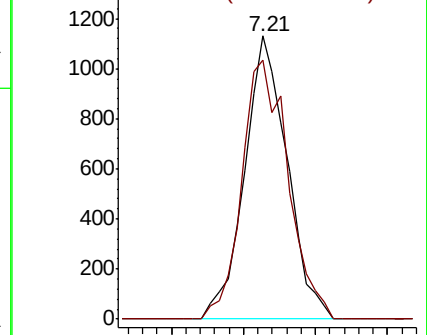
130 100

95 91.7 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.271 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.06 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

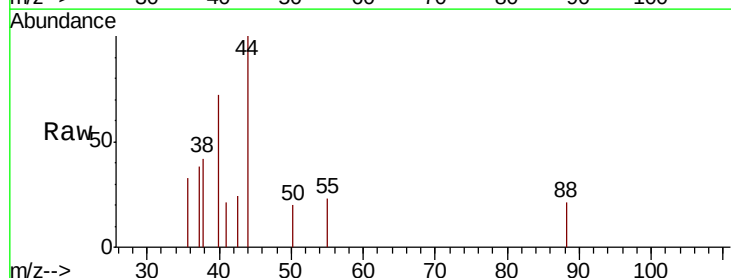
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 257.9 28.6 43.0#

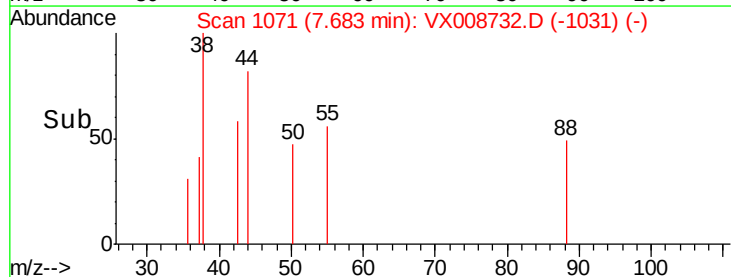
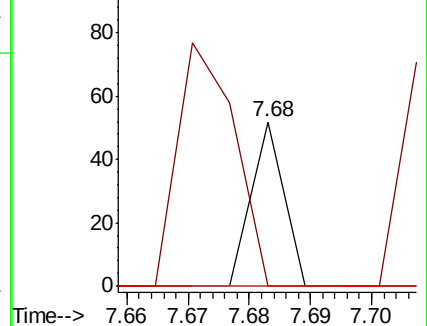
58 0.0 62.2 93.2#

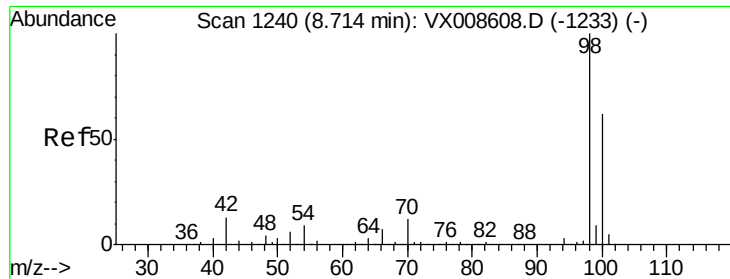


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

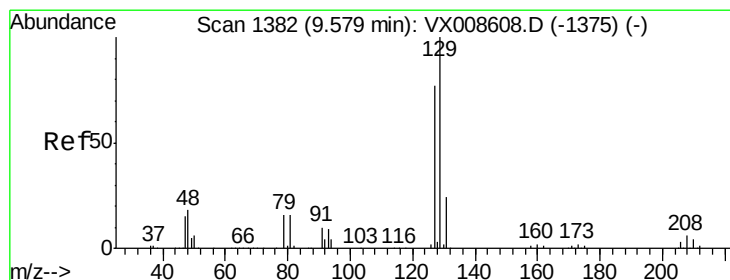
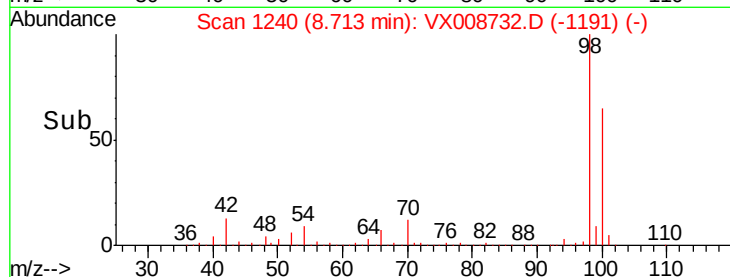
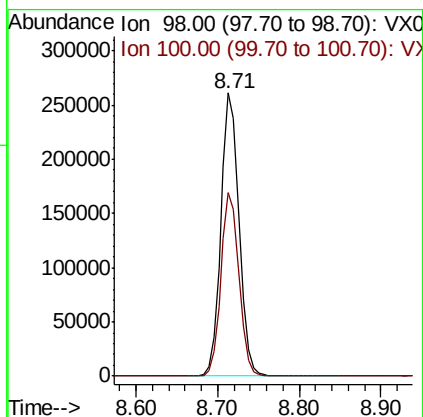
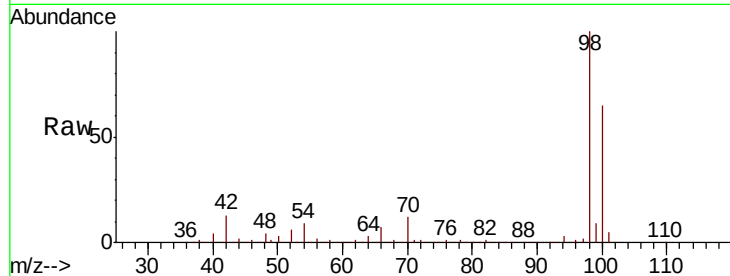




#50
Toluene-d8
Concen: 48.897 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008732.D
Acq: 06 Apr 2019 19:45

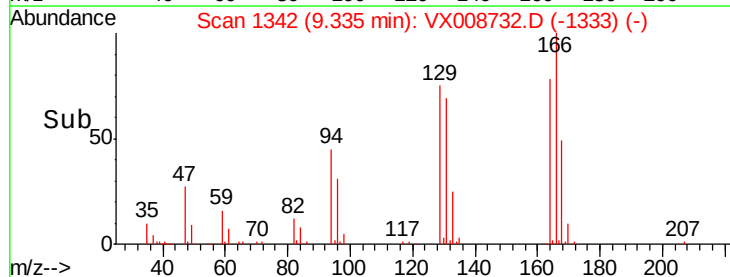
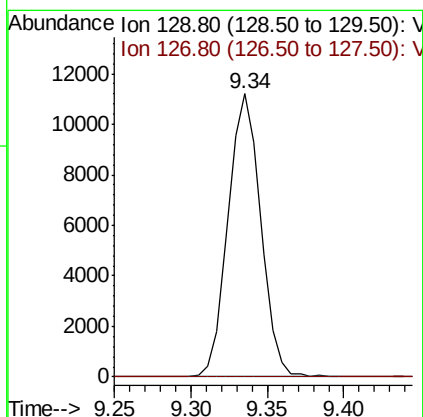
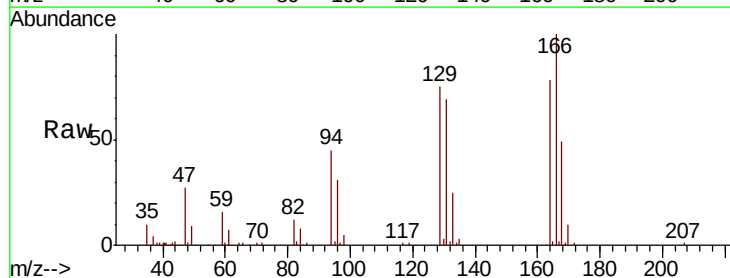
Instrument :
MSVOA_X
ClientSampleId :
KY067MW013-190404

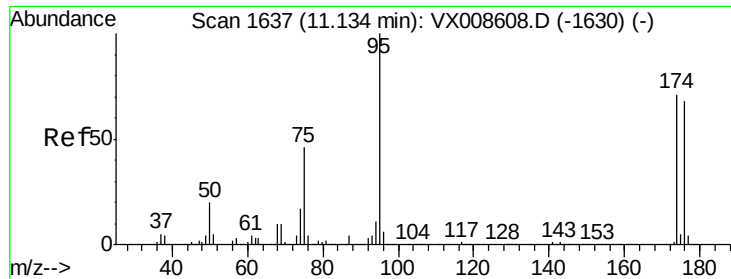
Tot Ion: 98 Resp: 402846
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#60
Dibromochloromethane
Concen: 7.040 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008732.D
Acq: 06 Apr 2019 19:45

Tgt Ion: 129 Resp: 16544
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 45.258 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

KY067MW013-190404

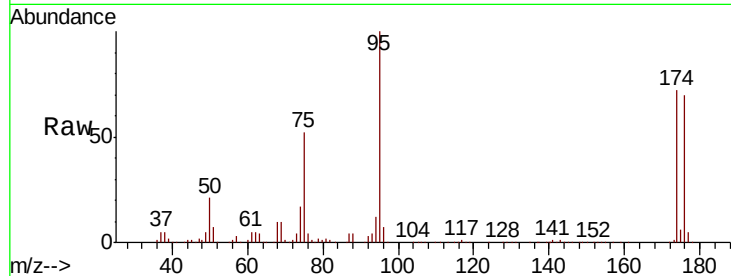
Tot Ion: 95 Resp: 132224

Ion Ratio Lower Upper

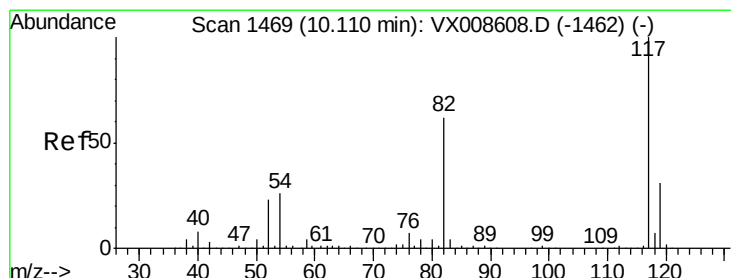
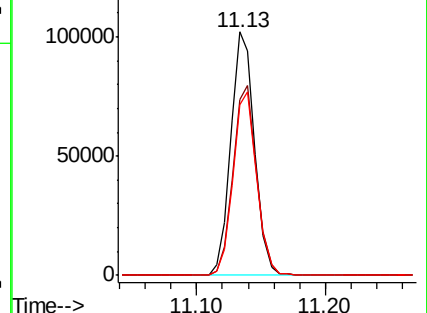
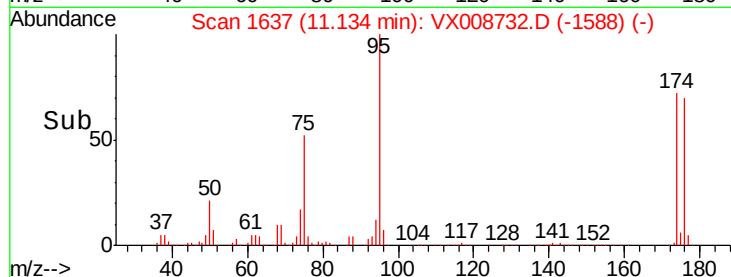
95 100

174 77.7 0.0 151.8

176 75.1 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

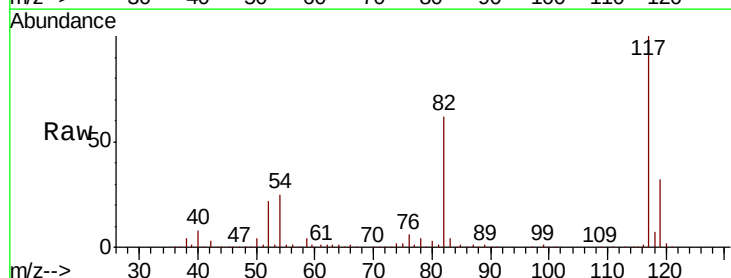
Tgt Ion: 117 Resp: 275877

Ion Ratio Lower Upper

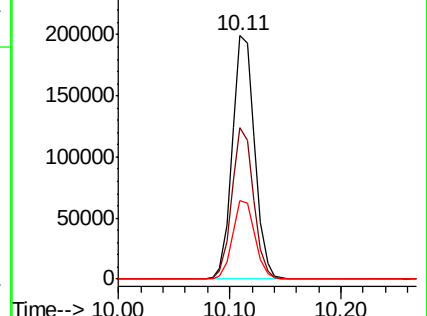
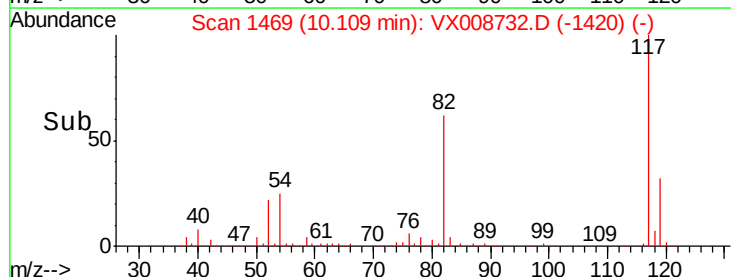
117 100

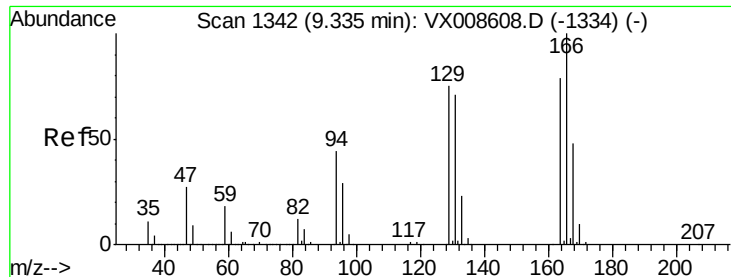
82 62.4 49.6 74.4

119 32.1 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 8.331 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

KY067MW013-190404

Tot Ion:164 Resp: 17029

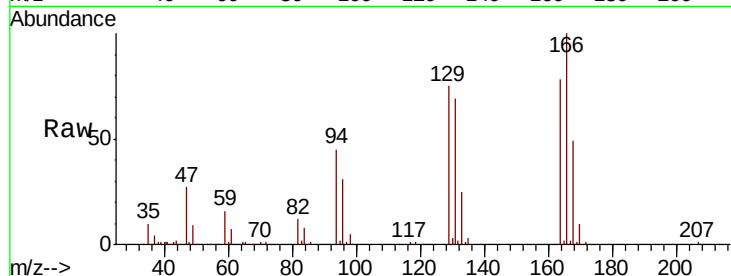
Ion Ratio Lower Upper

164 100

166 127.8 101.0 151.6

129 95.7 75.8 113.8

131 87.8 71.8 107.8

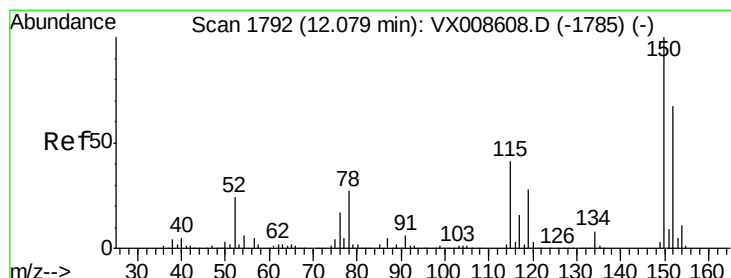
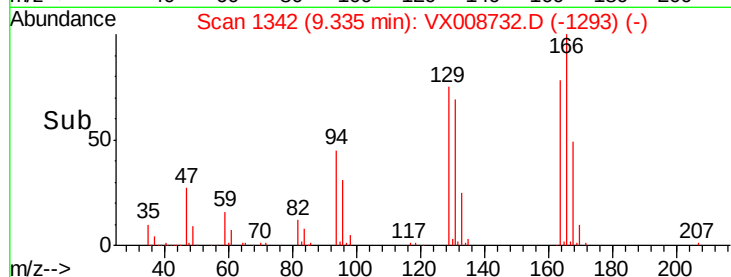
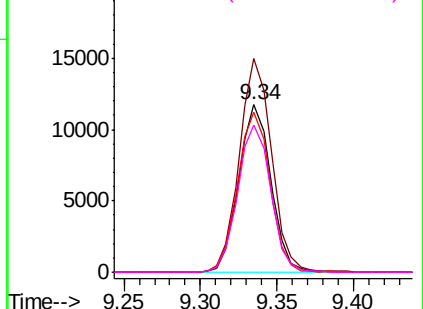


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

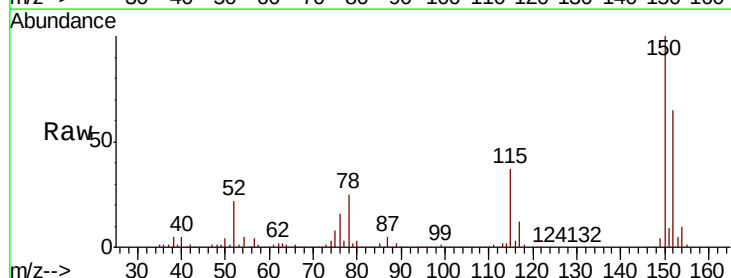
Tgt Ion:152 Resp: 114563

Ion Ratio Lower Upper

152 100

115 59.6 43.5 130.5

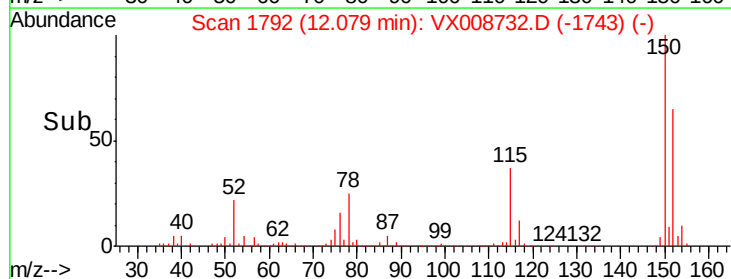
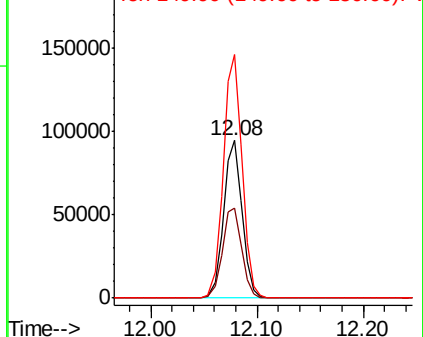
150 156.9 0.0 348.8

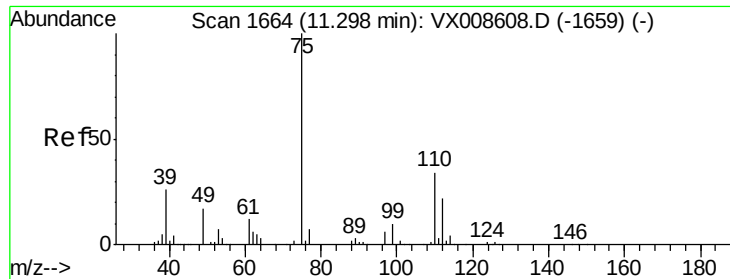


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.342 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

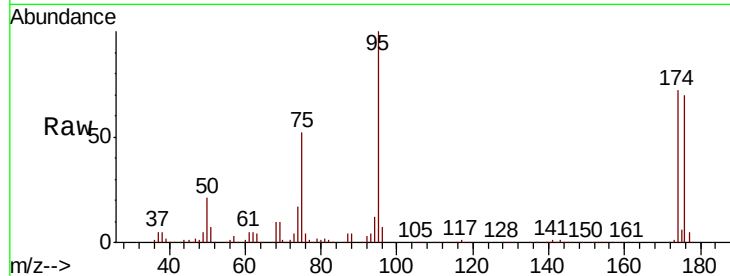
KY067MW013-190404

Tot Ion: 75 Resp: 67166

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

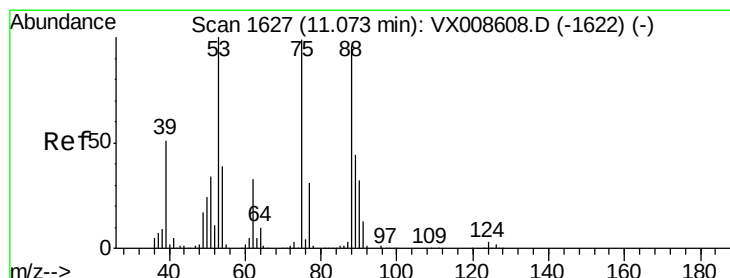
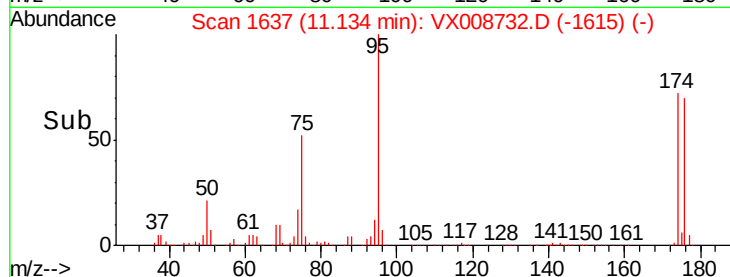
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 58.830 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008732.D

Acq: 06 Apr 2019 19:45

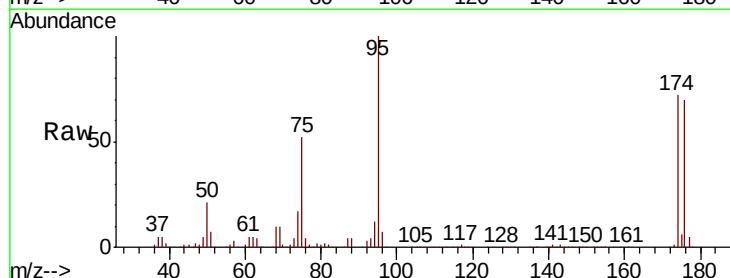
Tgt Ion: 75 Resp: 67166

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

