

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040619\
 Data File : VX008723.D
 Acq On : 06 Apr 2019 16:15
 Operator : JC/SP
 Sample : K2295-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW026-190404

Quant Time: Apr 08 01:55:02 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	209505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126605	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	143436	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	5.50	113	105165	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	436654	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.13	95	147192	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

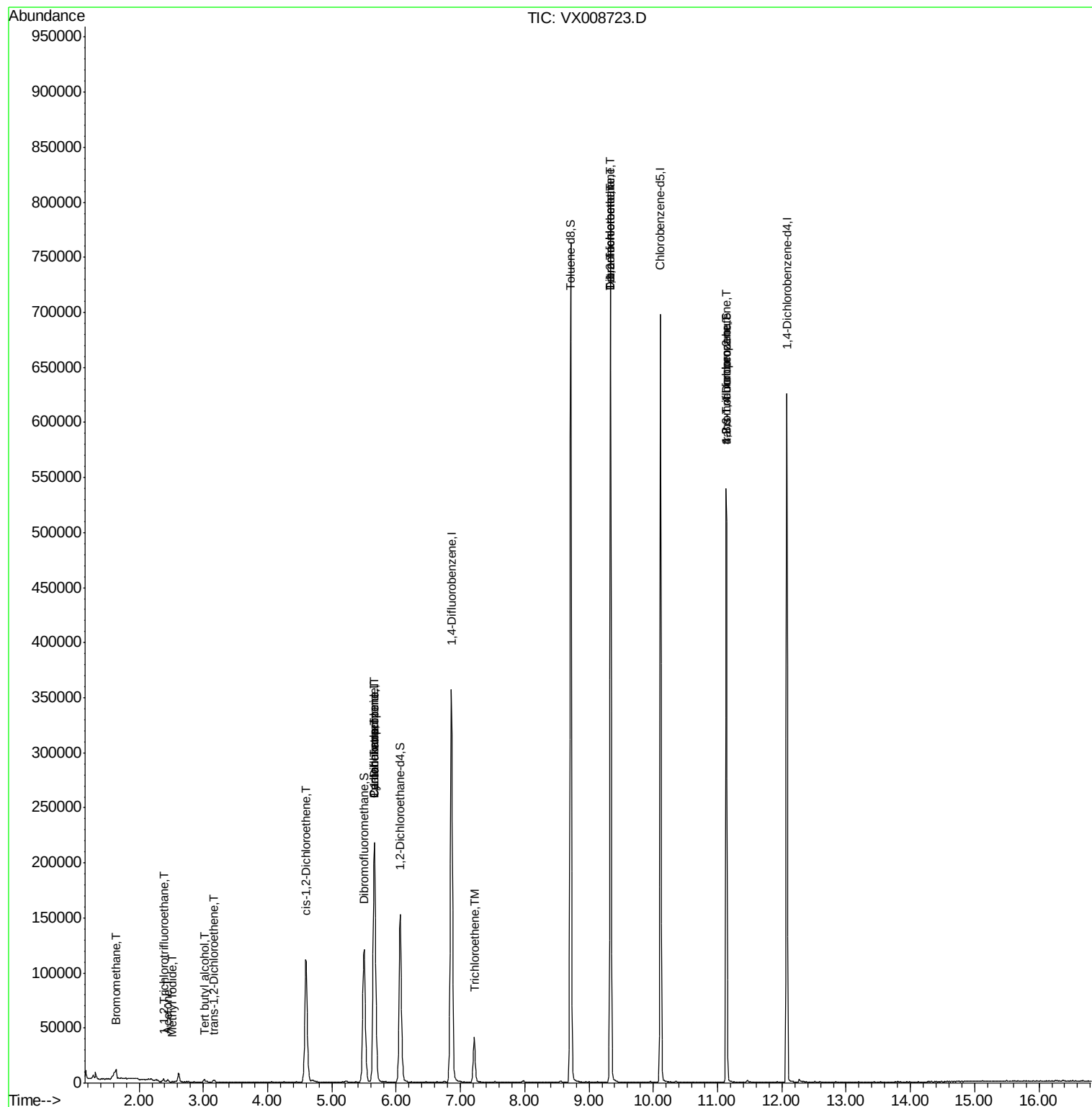
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3991	Below Cal		99
5) Bromomethane	1.64	94	482	2.174 ug/l		92
6) Chloroethane	1.73	64	1197	Below Cal	#	69
9) 1,1,2-Trichlorotrifluoroet	2.39	101	998	0.430 ug/l		94
10) Methyl Iodide	2.51	142	112	4.052 ug/l	#	65
11) Tert butyl alcohol	3.01	59	1565	2.188 ug/l	#	79
16) Acetone	2.45	43	2594	1.474 ug/l		92
17) Carbon Disulfide	2.57	76	544	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.17	96	704	0.269 ug/l		86
27) cis-1,2-Dichloroethene	4.60	96	69684	23.135 ug/l		89
28) Bromochloromethane	5.05	49	168	Below Cal	#	22
31) Cyclohexane	5.66	56	4753	0.900 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	17155	4.502 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	19984	6.336 ug/l	#	16
44) Trichloroethene	7.21	130	15375	5.815 ug/l		92
55) 1,1,2-Trichloroethane	9.34	97	1381	0.514 ug/l	#	1
60) Dibromochloromethane	9.34	129	145278	57.383 ug/l	#	11
64) Tetrachloroethene	9.34	164	151066	67.267 ug/l		98
76) 1,2,3-Trichloropropane	11.13	75	74326	21.371 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74326	58.909 ug/l	#	9

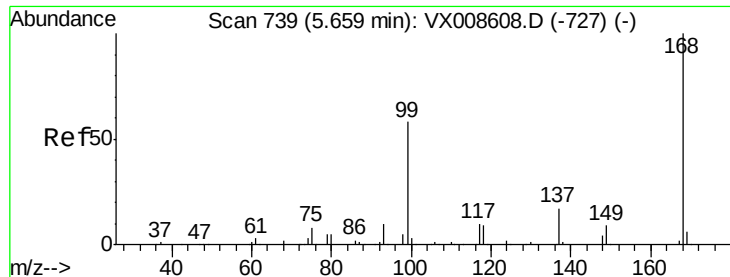
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040619\
Data File : VX008723.D
Acq On : 06 Apr 2019 16:15
Operator : JC/SP
Sample : K2295-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW026-190404

Quant Time: Apr 08 01:55:02 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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

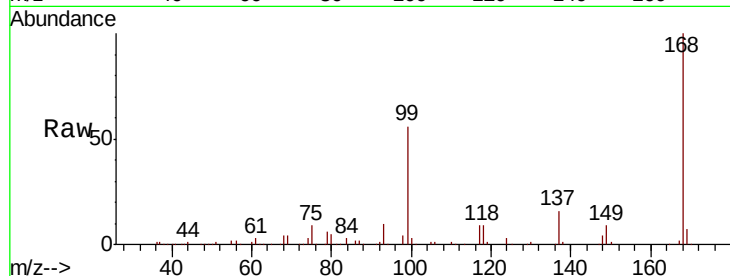
ST008MW026-190404

Tot Ion:168 Resp: 209505

Ion Ratio Lower Upper

168 100

99 56.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

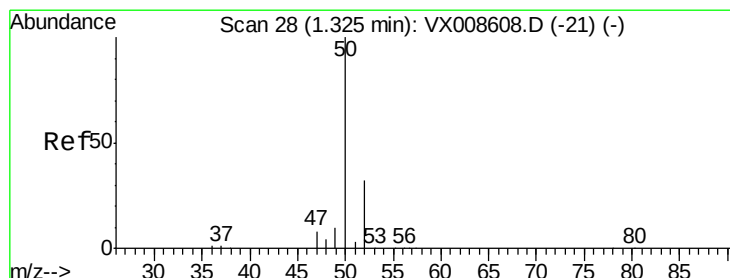
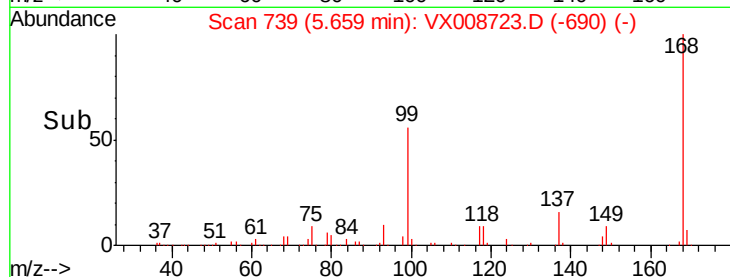
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008723.D

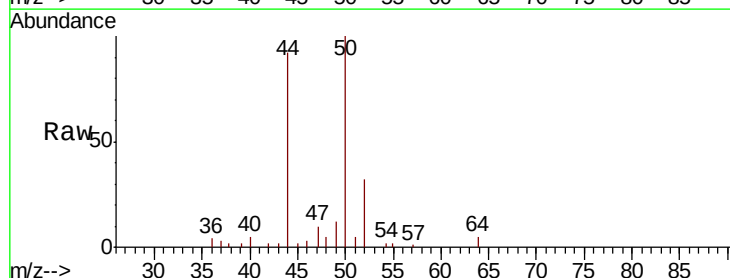
Acq: 06 Apr 2019 16:15

Tgt Ion: 50 Resp: 3991

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

4000

3000

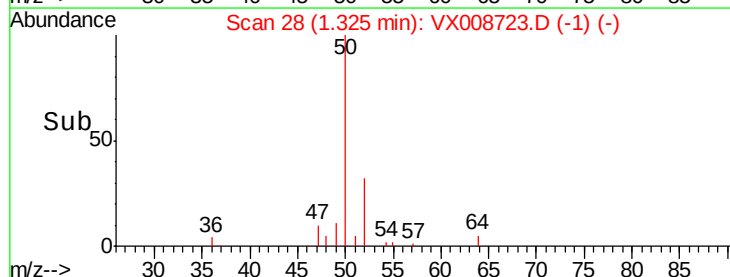
2000

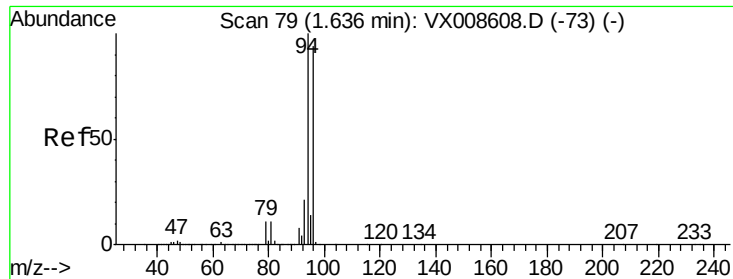
1000

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.174 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

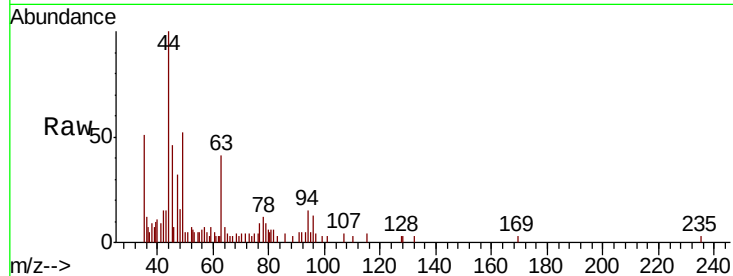
ST008MW026-190404

Tot Ion: 94 Resp: 482

Ion Ratio Lower Upper

94 100

96 86.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

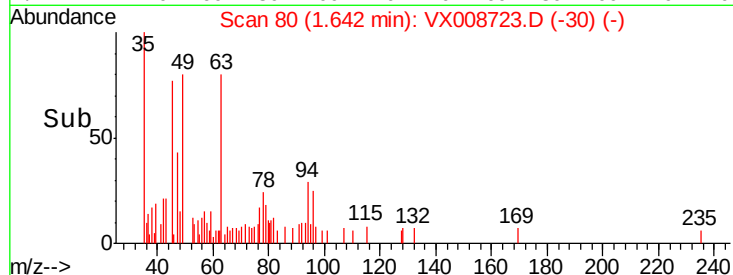
50

0

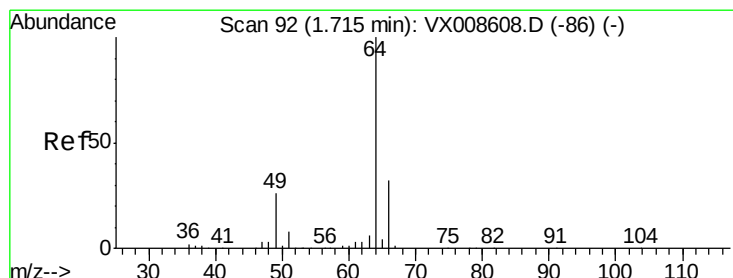
1.60

1.65

1.70



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008723.D

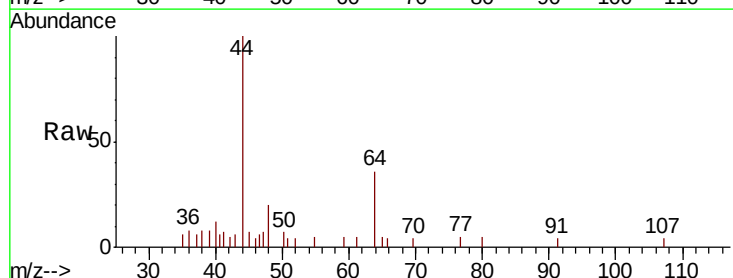
Acq: 06 Apr 2019 16:15

Tgt Ion: 64 Resp: 1197

Ion Ratio Lower Upper

64 100

66 14.5 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

400

200

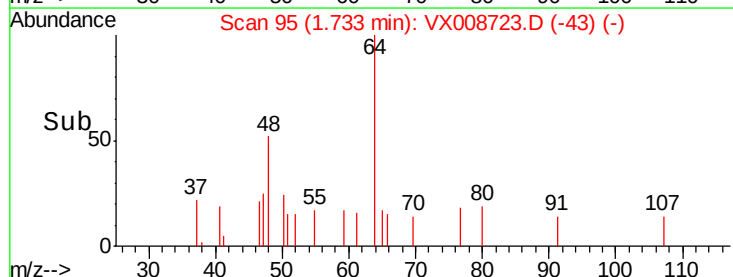
0

1.60

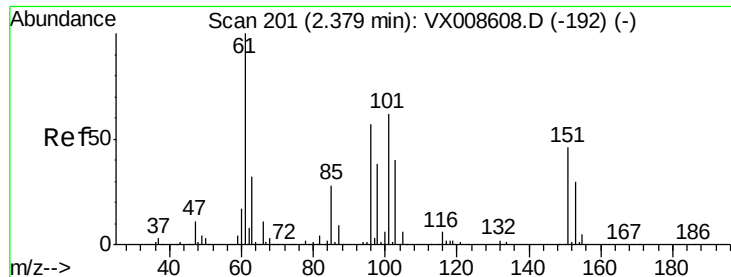
1.65

1.70

1.75



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.430 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW026-190404

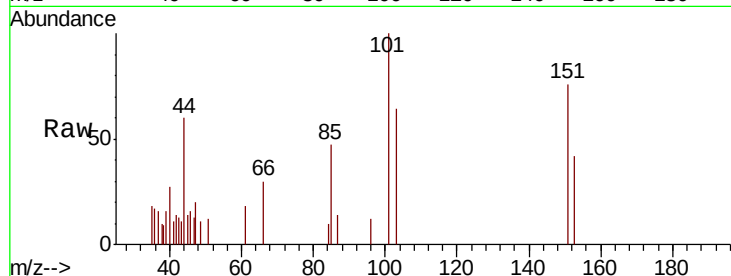
Tot Ion:101 Resp: 998

Ion Ratio Lower Upper

101 100

85 50.4 36.0 54.0

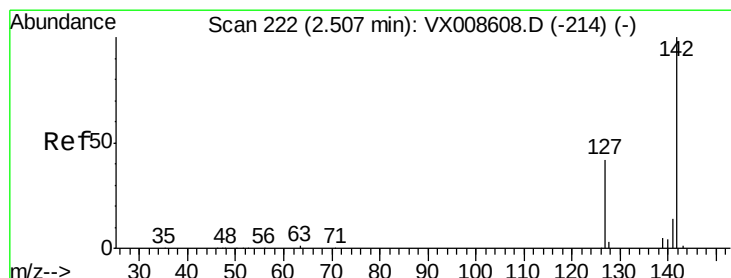
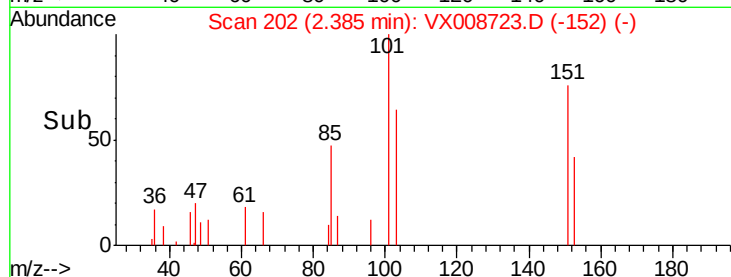
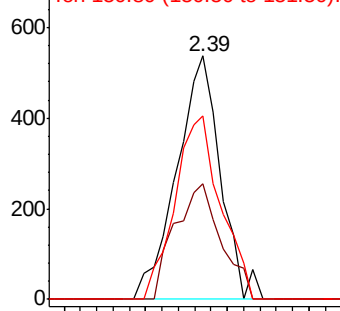
151 79.2 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.052 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

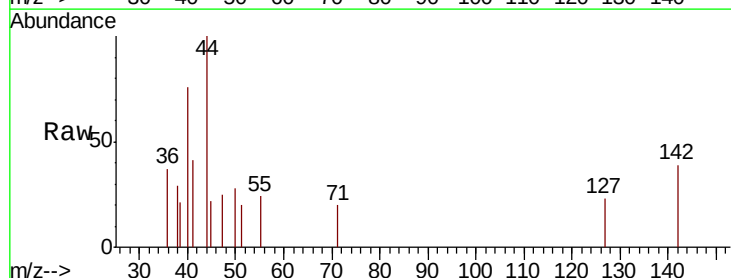
Tgt Ion:142 Resp: 112

Ion Ratio Lower Upper

142 100

127 19.6 33.0 49.6#

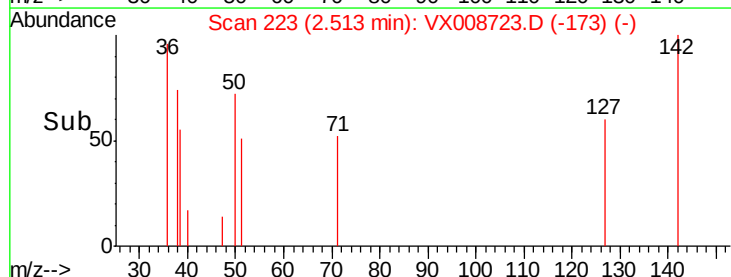
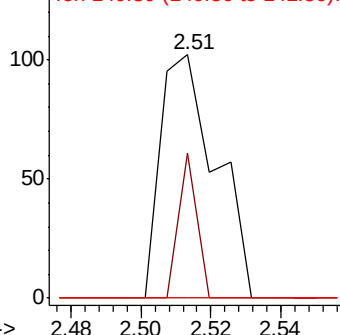
141 0.0 11.4 17.2#

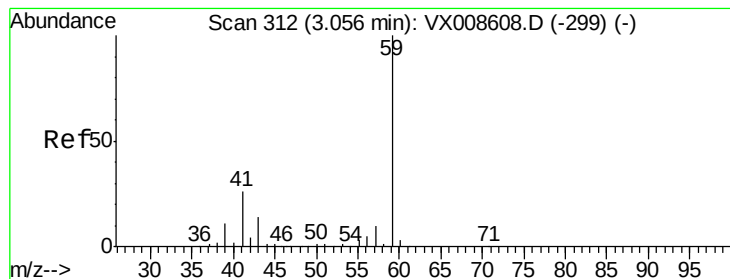


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



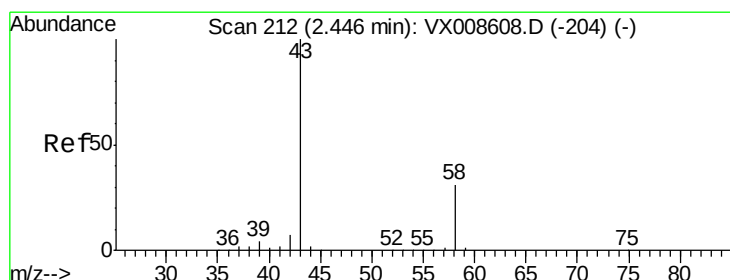
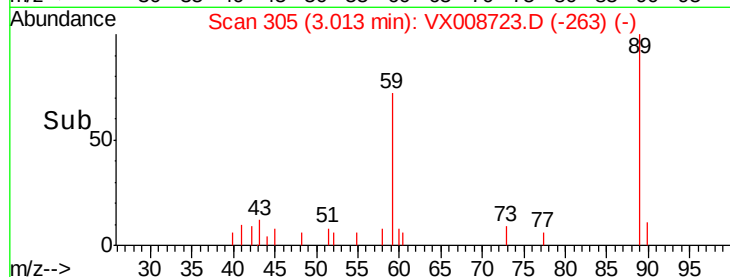
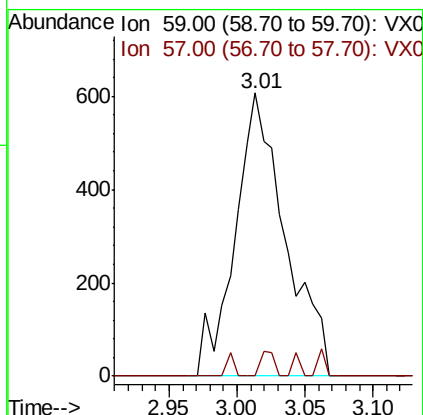
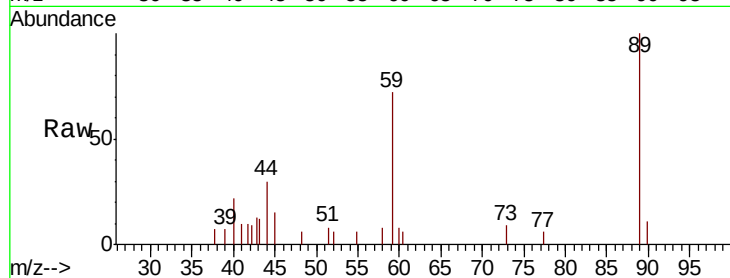


#11

Tert butyl alcohol
 Concen: 2.188 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW026-190404

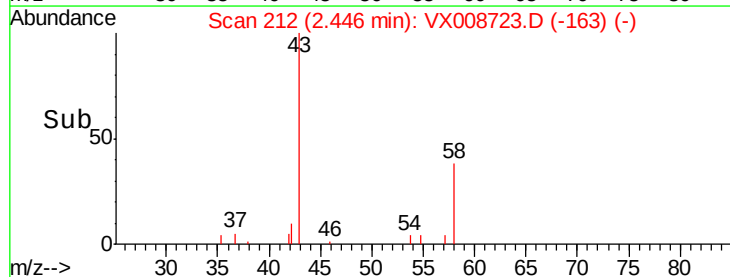
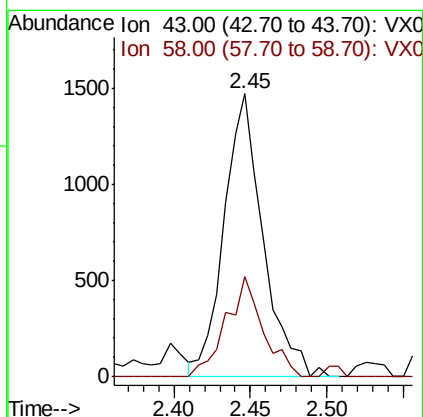
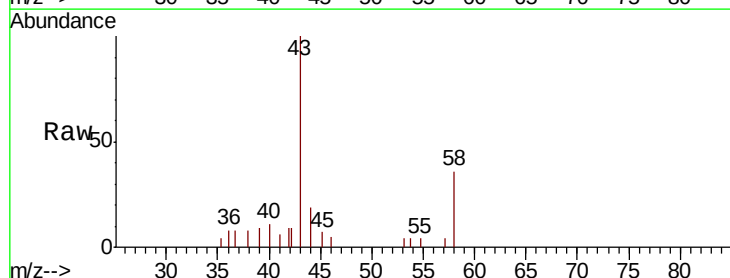
Tot Ion: 59 Resp: 1565
 Ion Ratio Lower Upper
 59 100
 57 2.4 8.3 12.5#

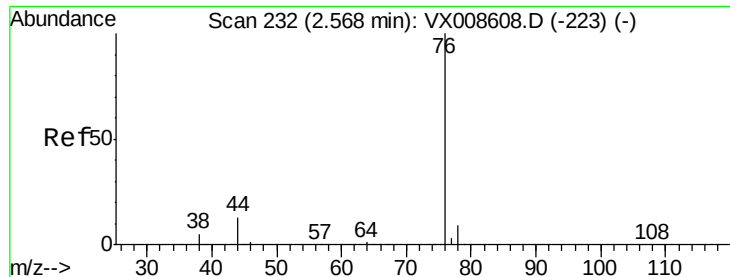


#16

Acetone
 Concen: 1.474 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Tgt Ion: 43 Resp: 2594
 Ion Ratio Lower Upper
 43 100
 58 35.6 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

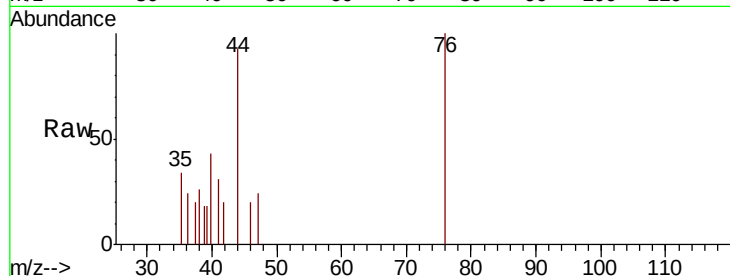
ST008MW026-190404

Tot Ion: 76 Resp: 544

Ion Ratio Lower Upper

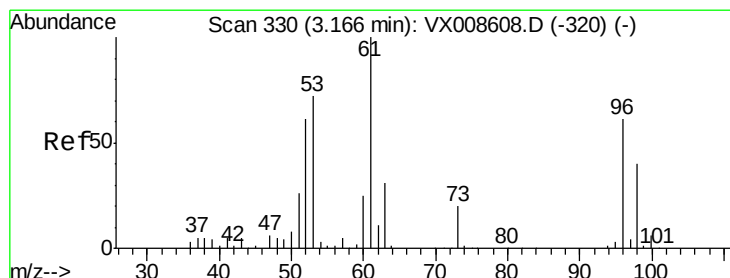
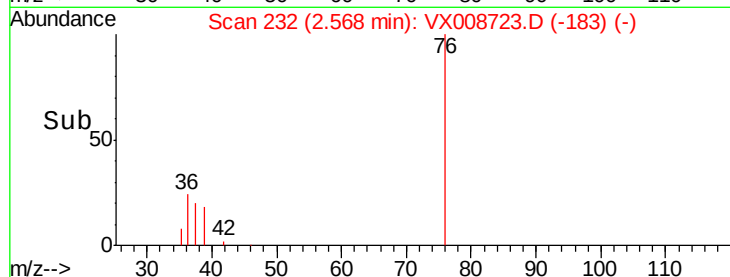
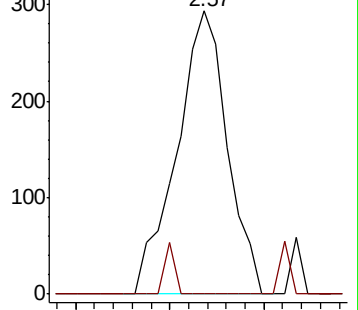
76 100

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



#21

trans-1,2-Dichloroethene

Concen: 0.269 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

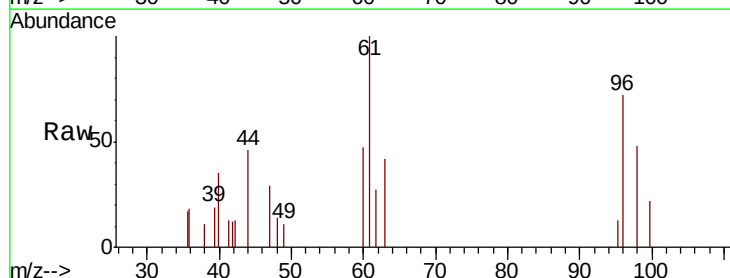
Tgt Ion: 96 Resp: 704

Ion Ratio Lower Upper

96 100

61 139.3 132.1 198.1

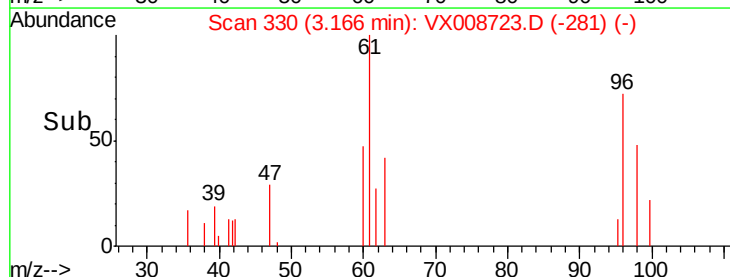
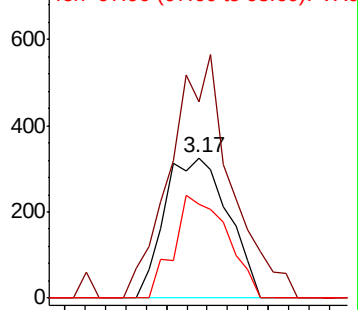
98 66.6 52.2 78.2

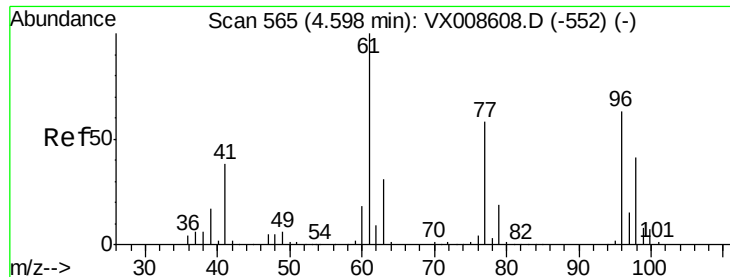


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



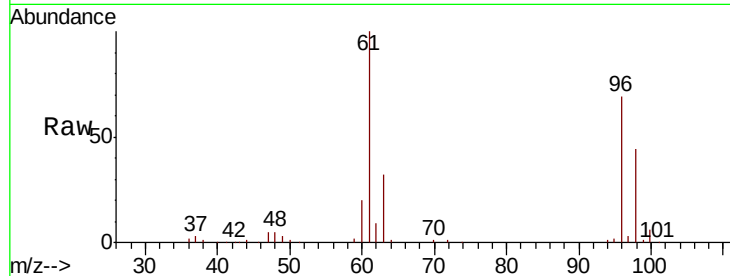


#27

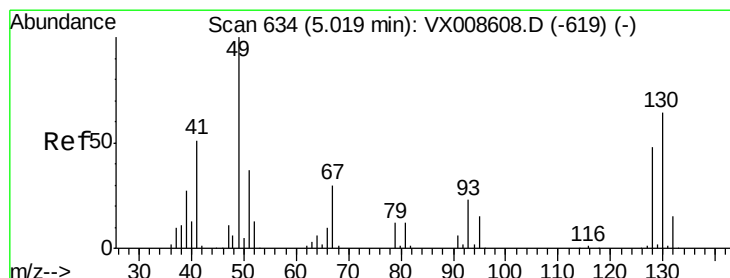
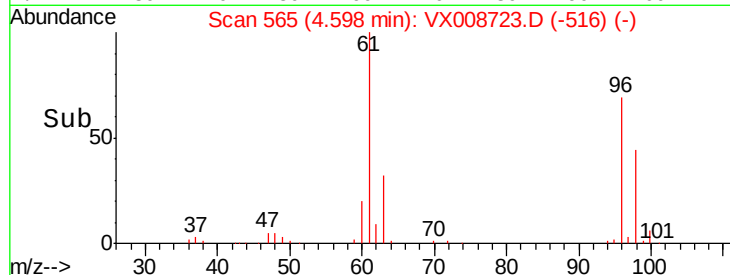
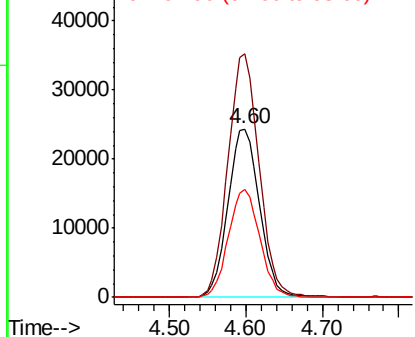
cis-1,2-Dichloroethene
 Concen: 23.135 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW026-190404

Tot Ion: 96 Resp: 69684
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 327.6
 98 63.9 0.0 128.6



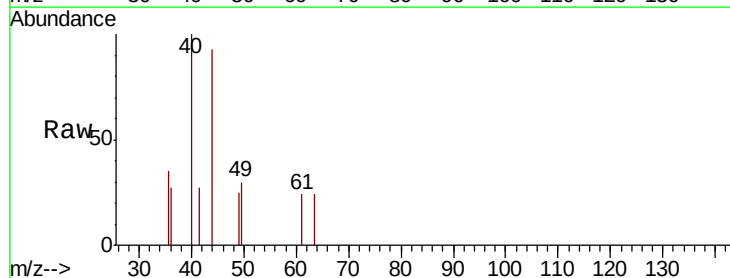
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



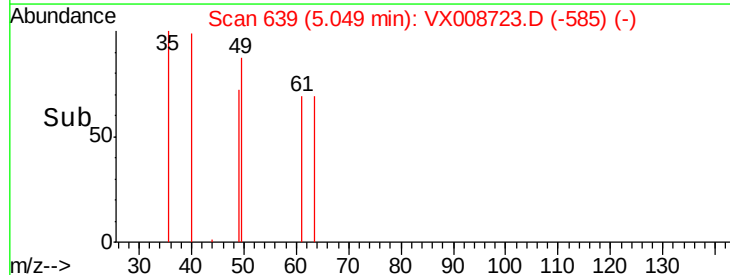
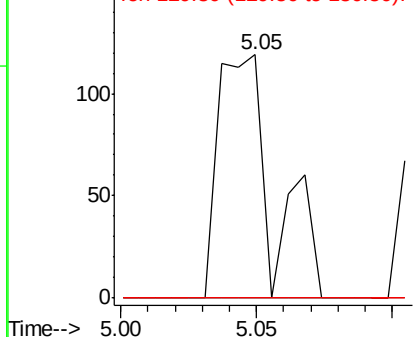
#28

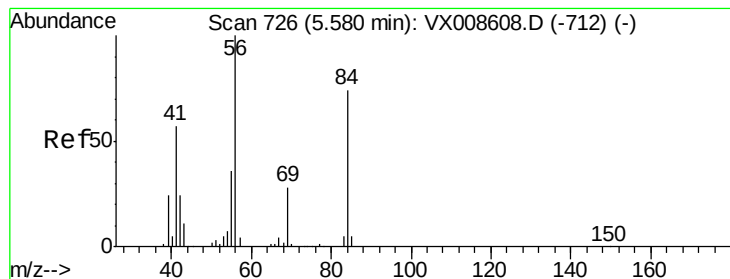
Bromochloromethane
 Concen: Below Cal
 RT: 5.05 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Tgt Ion: 49 Resp: 168
 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: 0.900 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW026-190404

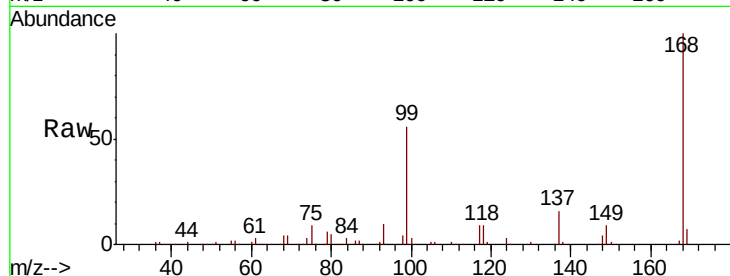
Tot Ion: 56 Resp: 4753

Ion Ratio Lower Upper

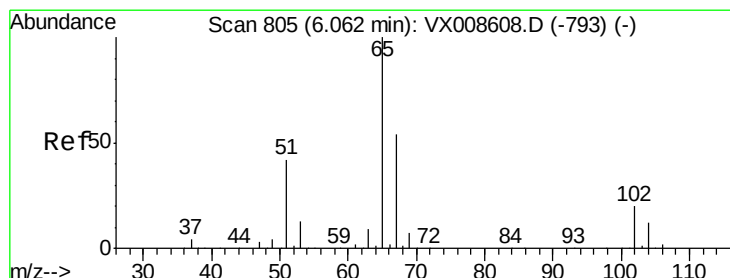
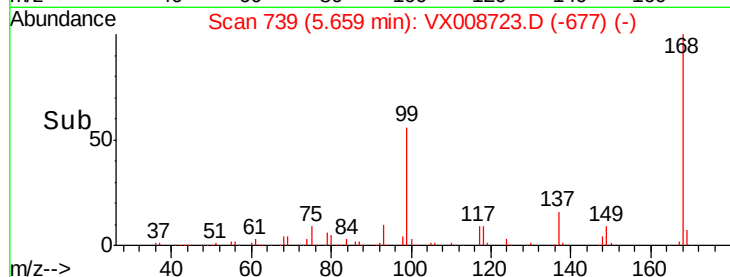
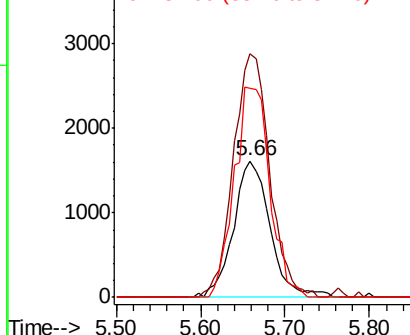
56 100

69 178.7 22.6 33.8#

84 153.1 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: 46.940 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008723.D

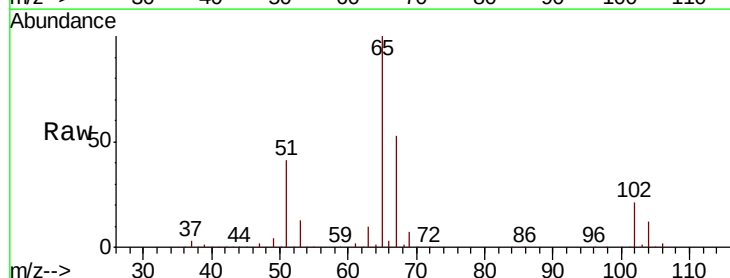
Acq: 06 Apr 2019 16:15

Tgt Ion: 65 Resp: 143436

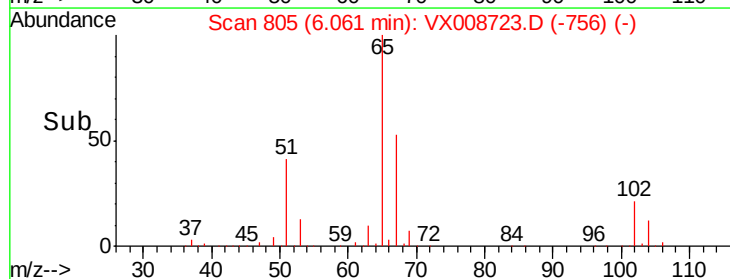
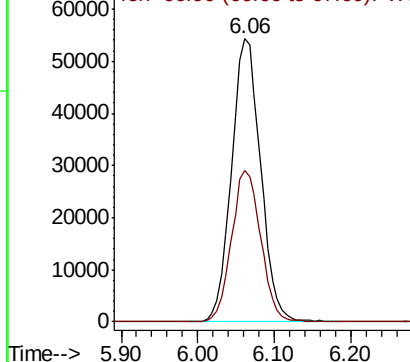
Ion Ratio Lower Upper

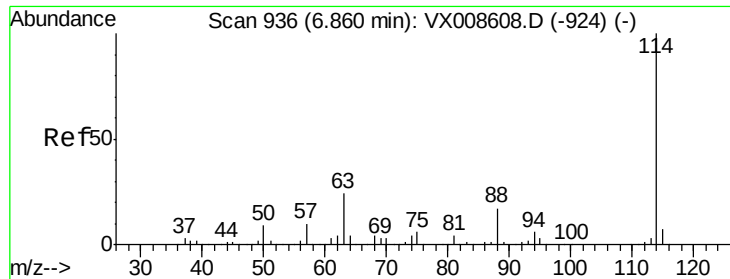
65 100

67 53.7 0.0 107.2



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

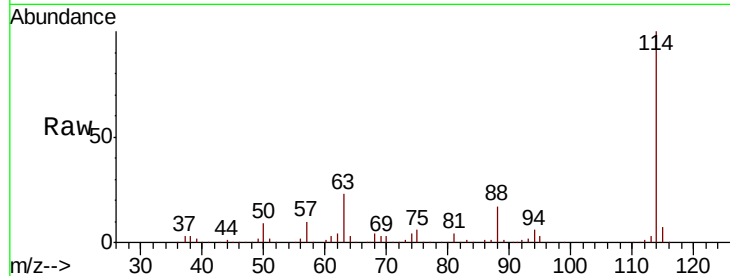




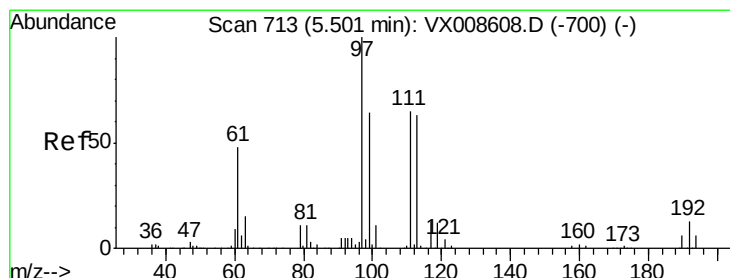
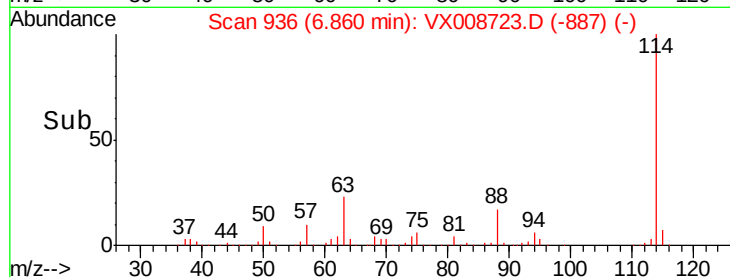
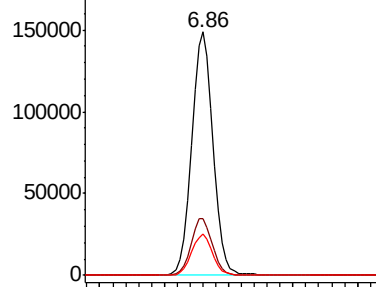
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW026-190404

Tot Ion:114 Resp: 348630
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.9 0.0 34.0

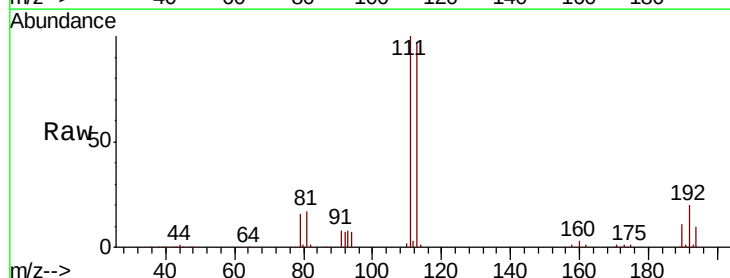


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

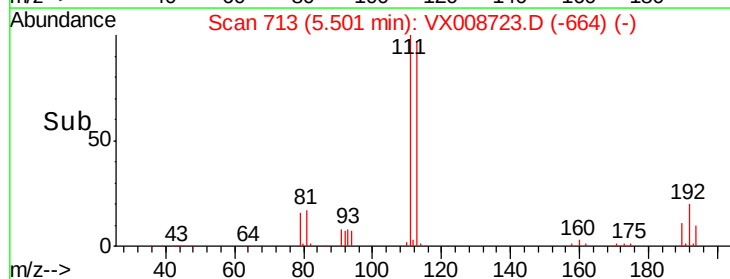
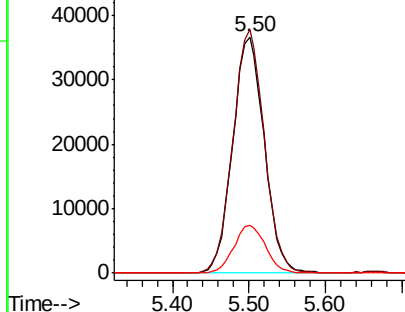


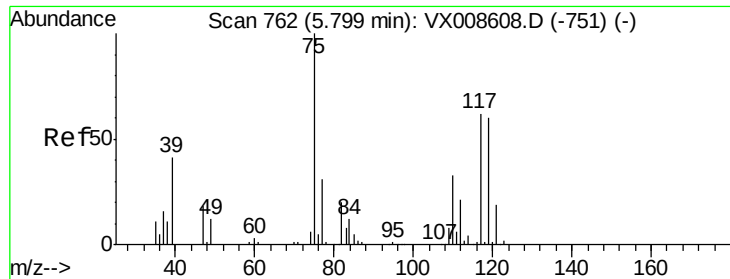
#35
 Dibromofluoromethane
 Concen: 47.180 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Tgt Ion:113 Resp: 105165
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 20.3 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

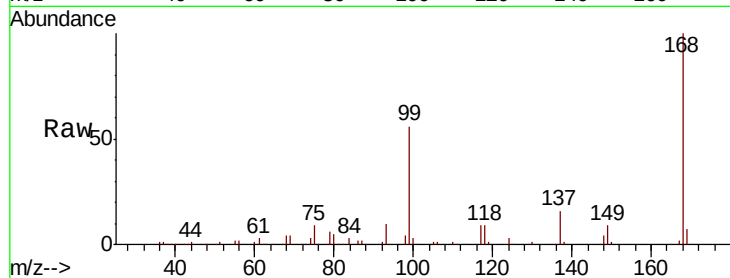




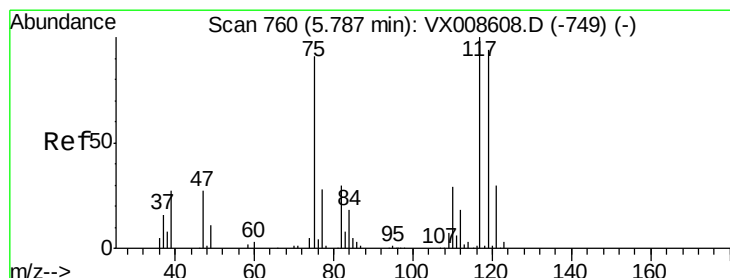
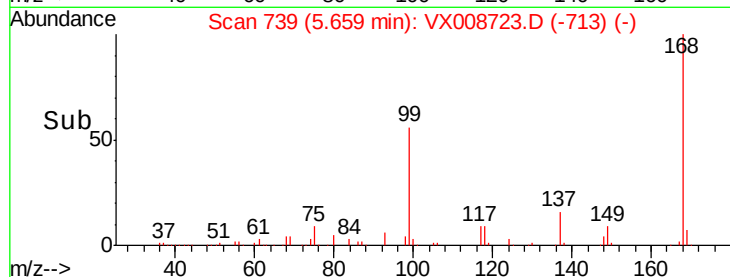
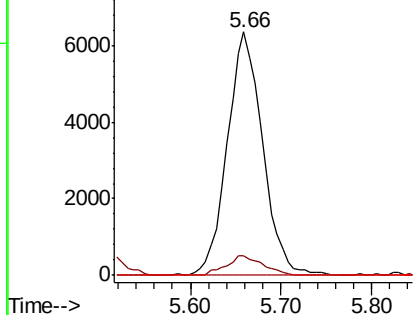
#36
 1,1-Dichloropropene
 Concen: 4.502 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW026-190404

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.4	49.2#
77	0.0	24.7	37.1#

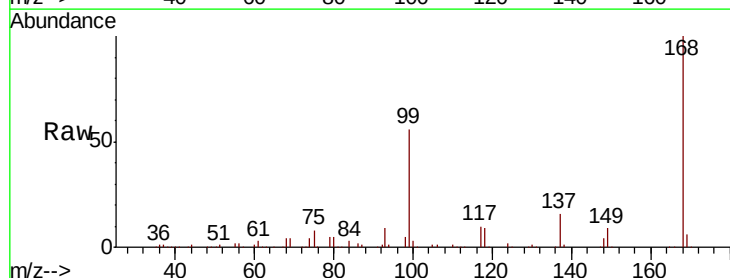


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

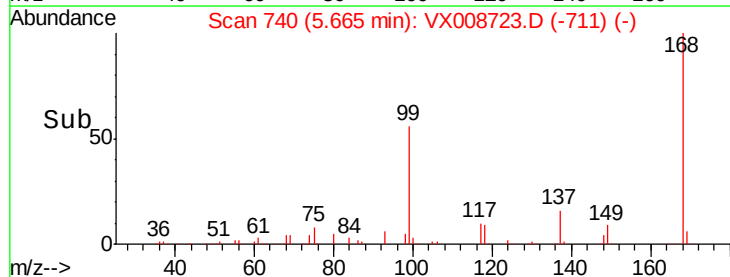
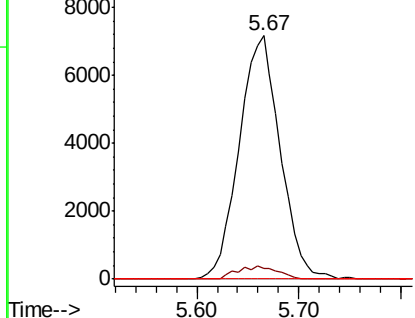


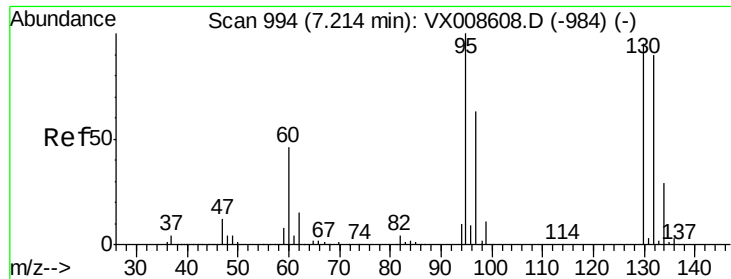
#38
 Carbon Tetrachloride
 Concen: 6.336 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008723.D
 Acq: 06 Apr 2019 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.0	112.6#
121	0.0	24.3	36.5#



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: 5.815 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

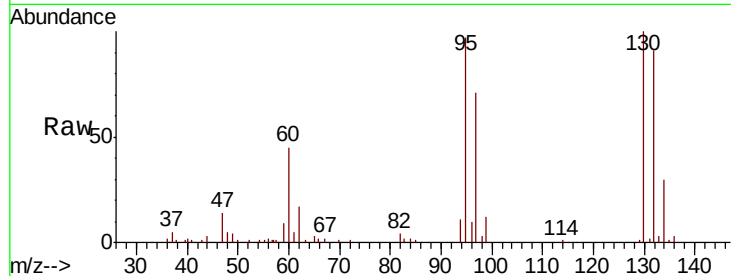
ST008MW026-190404

Tot Ion:130 Resp: 15375

Ion Ratio Lower Upper

130 100

95 97.0 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

8000

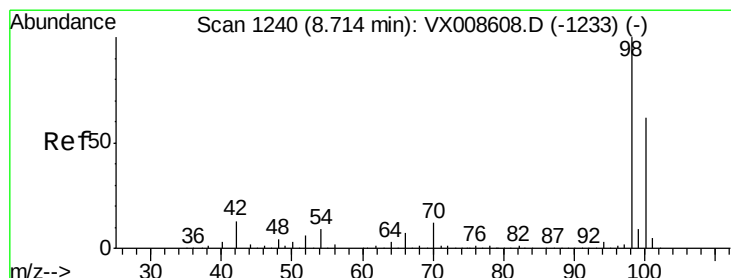
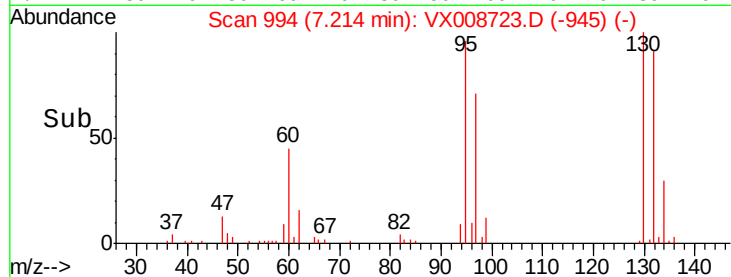
6000

4000

2000

0

Time--> 7.10 7.20 7.30



#50

Toluene-d8

Concen: 49.199 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008723.D

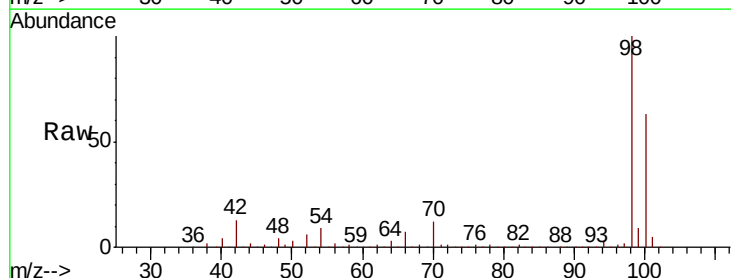
Acq: 06 Apr 2019 16:15

Tgt Ion: 98 Resp: 436654

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

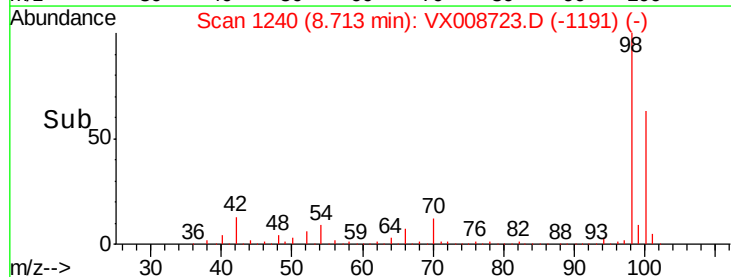
300000

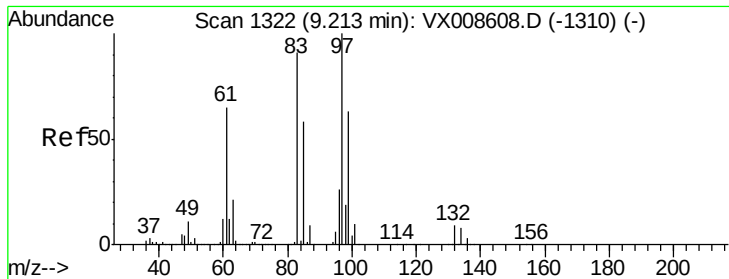
200000

100000

0

Time--> 8.60 8.70 8.80





#55

1,1,2-Trichloroethane

Concen: 0.514 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW026-190404

Tot Ion: 97 Resp: 1381

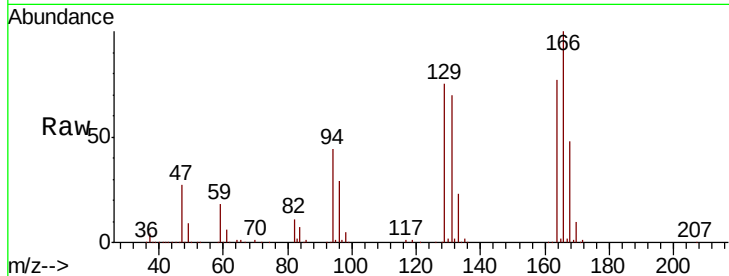
Ion Ratio Lower Upper

97 100

83 280.2 73.2 109.8#

85 44.8 46.6 69.8#

99 19.1 50.1 75.1#



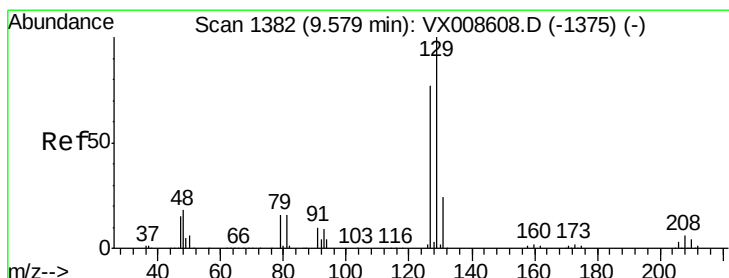
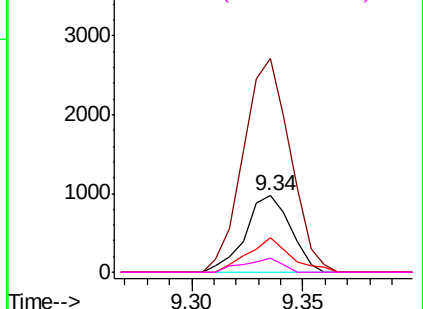
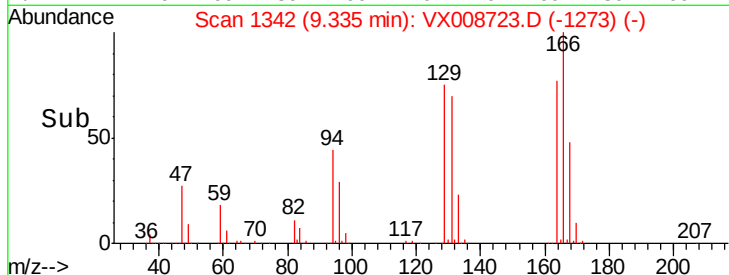
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 57.383 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008723.D

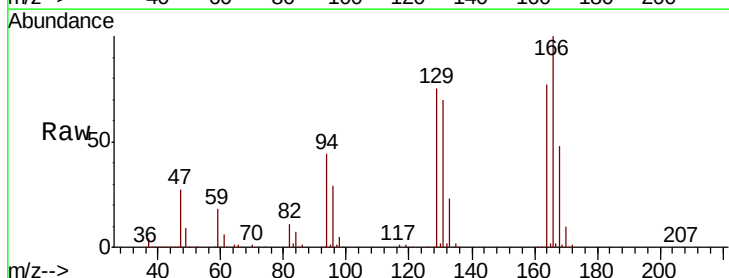
Acq: 06 Apr 2019 16:15

Tgt Ion: 129 Resp: 145278

Ion Ratio Lower Upper

129 100

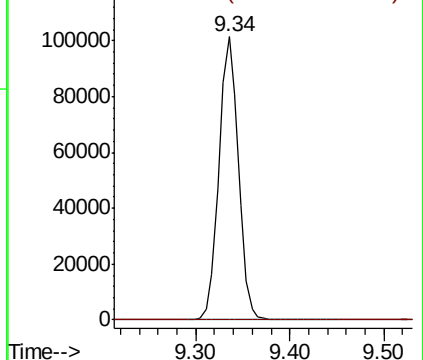
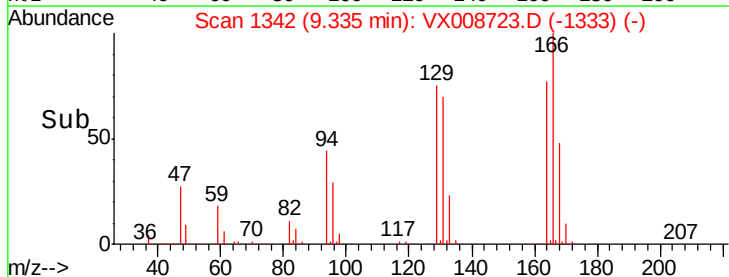
127 0.0 38.5 115.3#

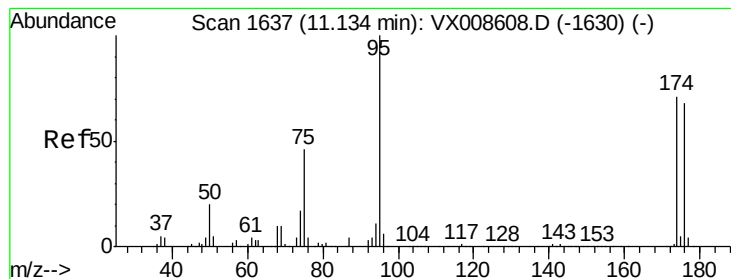


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 46.767 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW026-190404

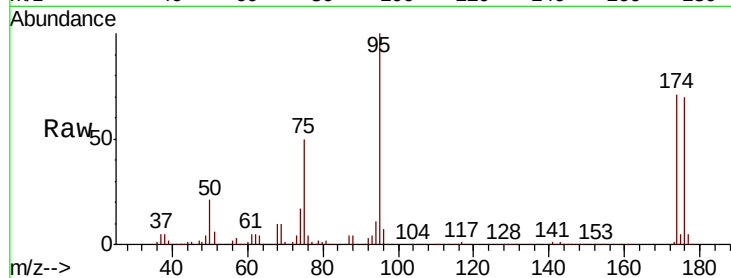
Tot Ion: 95 Resp: 147192

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.8

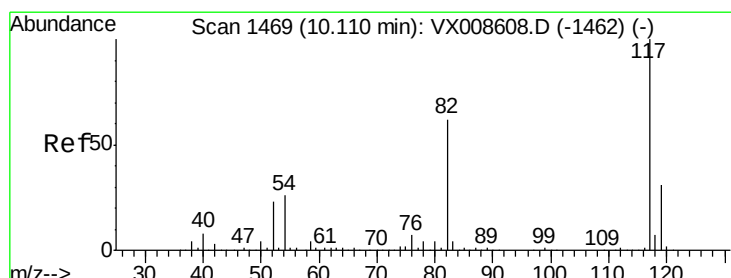
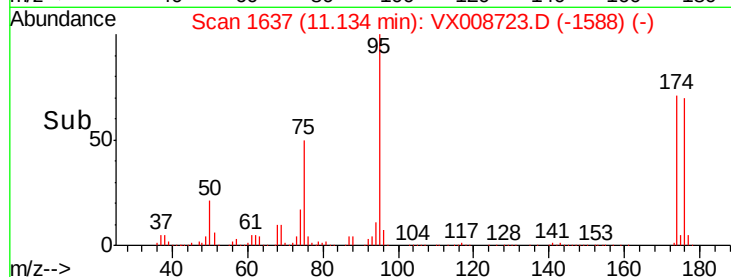
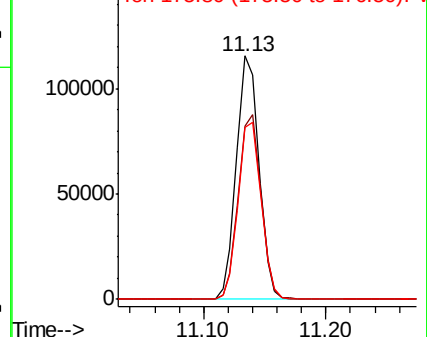
176 74.0 0.0 145.8



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

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): 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: VX008723.D

Acq: 06 Apr 2019 16:15

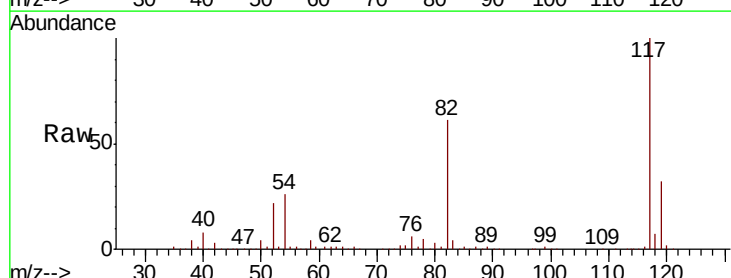
Tgt Ion: 117 Resp: 303116

Ion Ratio Lower Upper

117 100

82 61.3 49.6 74.4

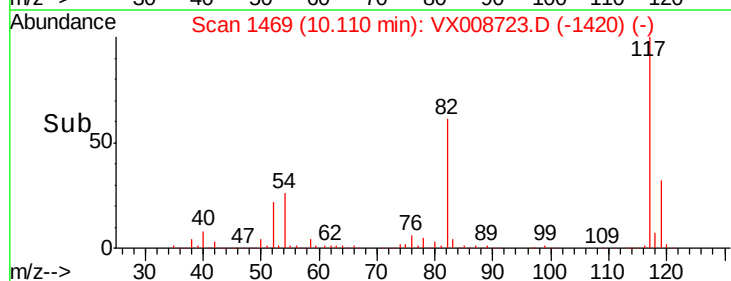
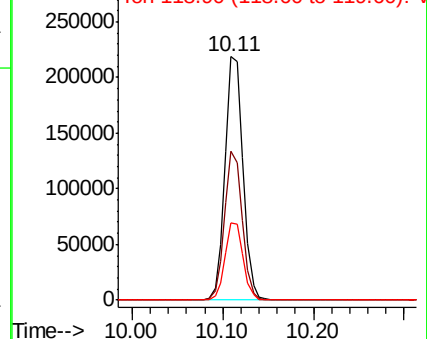
119 31.9 25.0 37.4

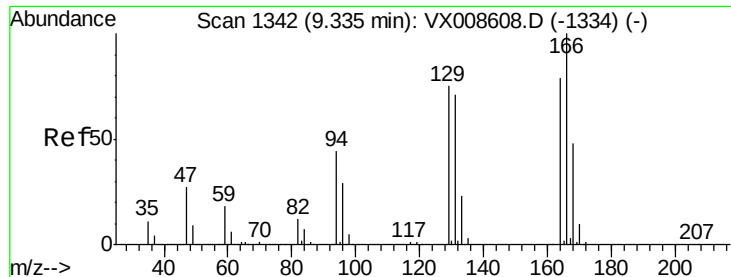


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 67.267 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW026-190404

Tot Ion:164 Resp: 151066

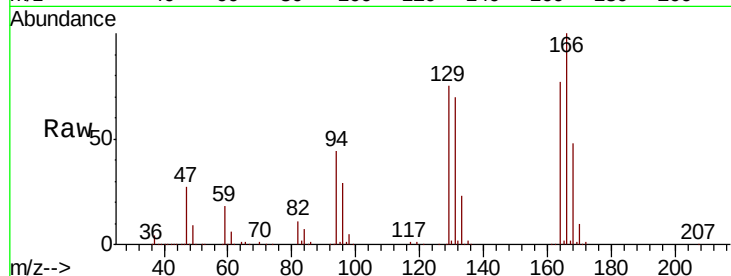
Ion Ratio Lower Upper

164 100

166 129.7 101.0 151.6

129 96.6 75.8 113.8

131 91.2 71.8 107.8

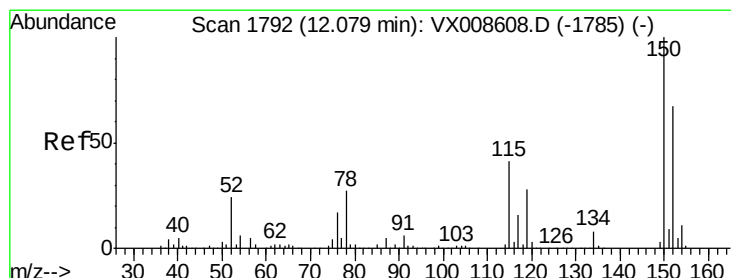
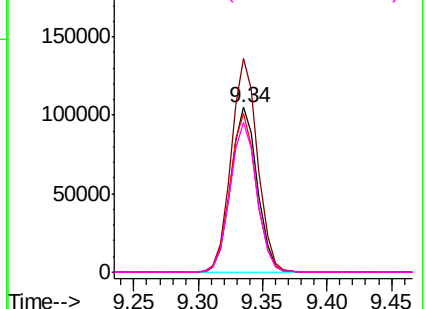
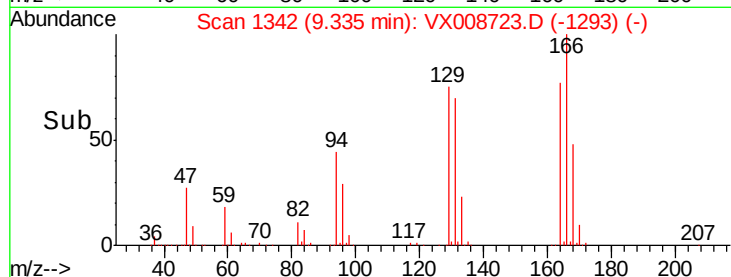


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008723.D

Acq: 06 Apr 2019 16:15

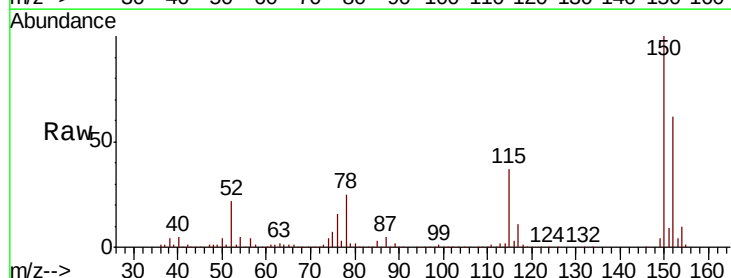
Tgt Ion:152 Resp: 126605

Ion Ratio Lower Upper

152 100

115 60.7 43.5 130.5

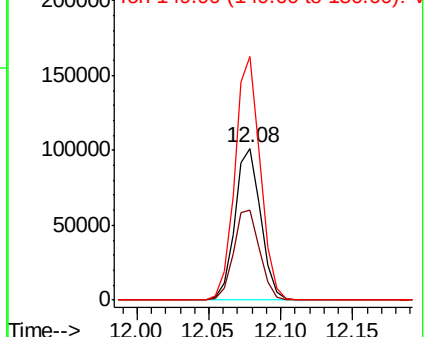
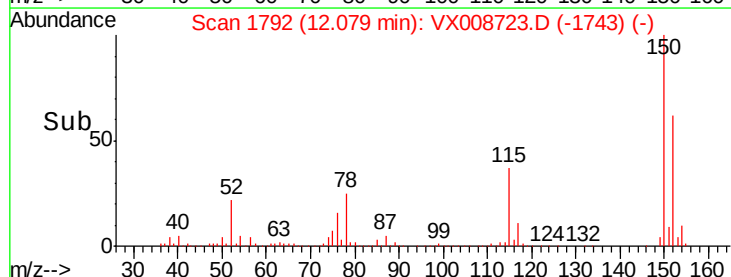
150 158.1 0.0 348.8

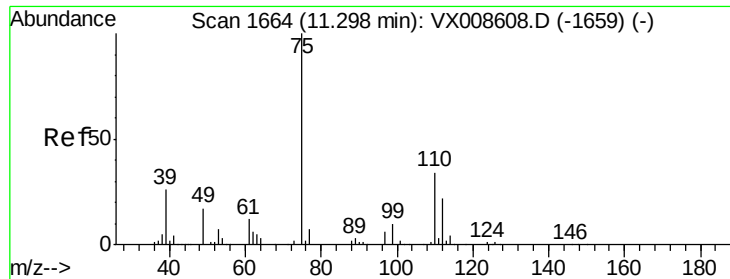


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.371 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

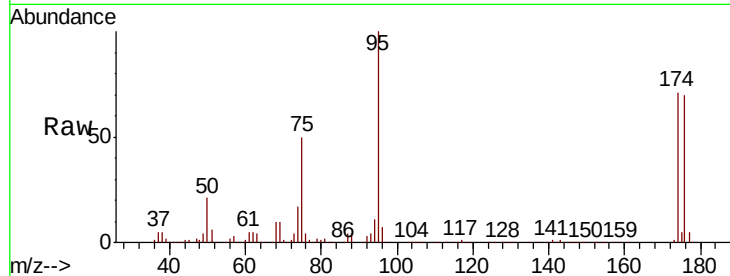
ST008MW026-190404

Tot Ion: 75 Resp: 74326

Ion Ratio Lower Upper

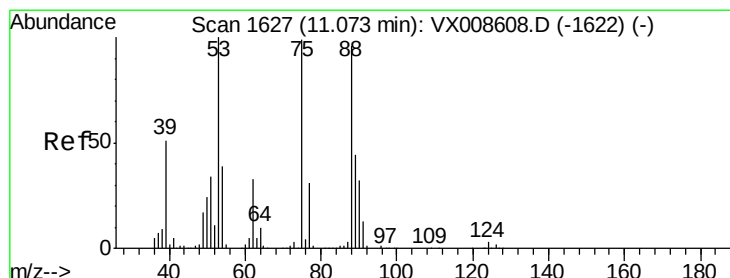
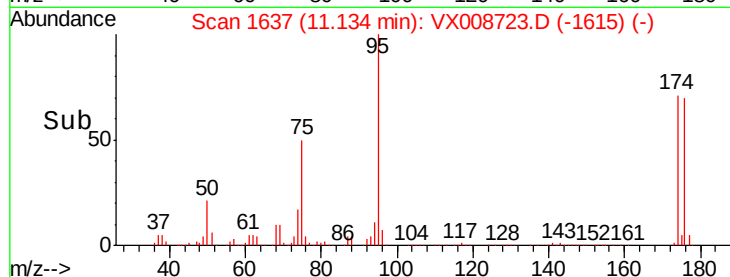
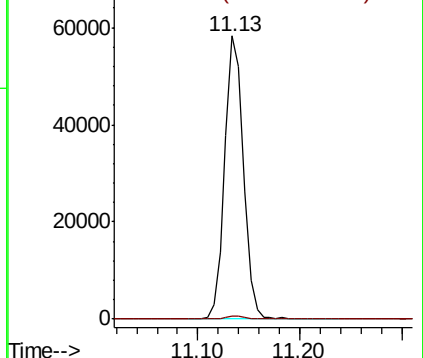
75 100

77 1.2 22.3 66.8#



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: 58.909 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008723.D

Acq: 06 Apr 2019 16:15

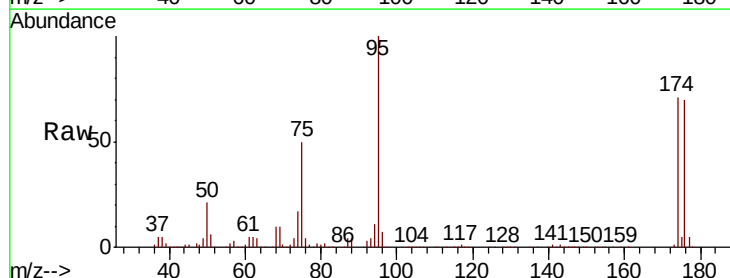
Tgt Ion: 75 Resp: 74326

Ion Ratio Lower Upper

75 100

53 0.0 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

