

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\
 Data File : VX008740.D
 Acq On : 08 Apr 2019 13:16
 Operator : JC/SP
 Sample : K2295-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-190404

Quant Time: Apr 09 06:43:27 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	195506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116255	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	131651	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	5.50	113	98046	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.71	98	400525	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.13	95	132226	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

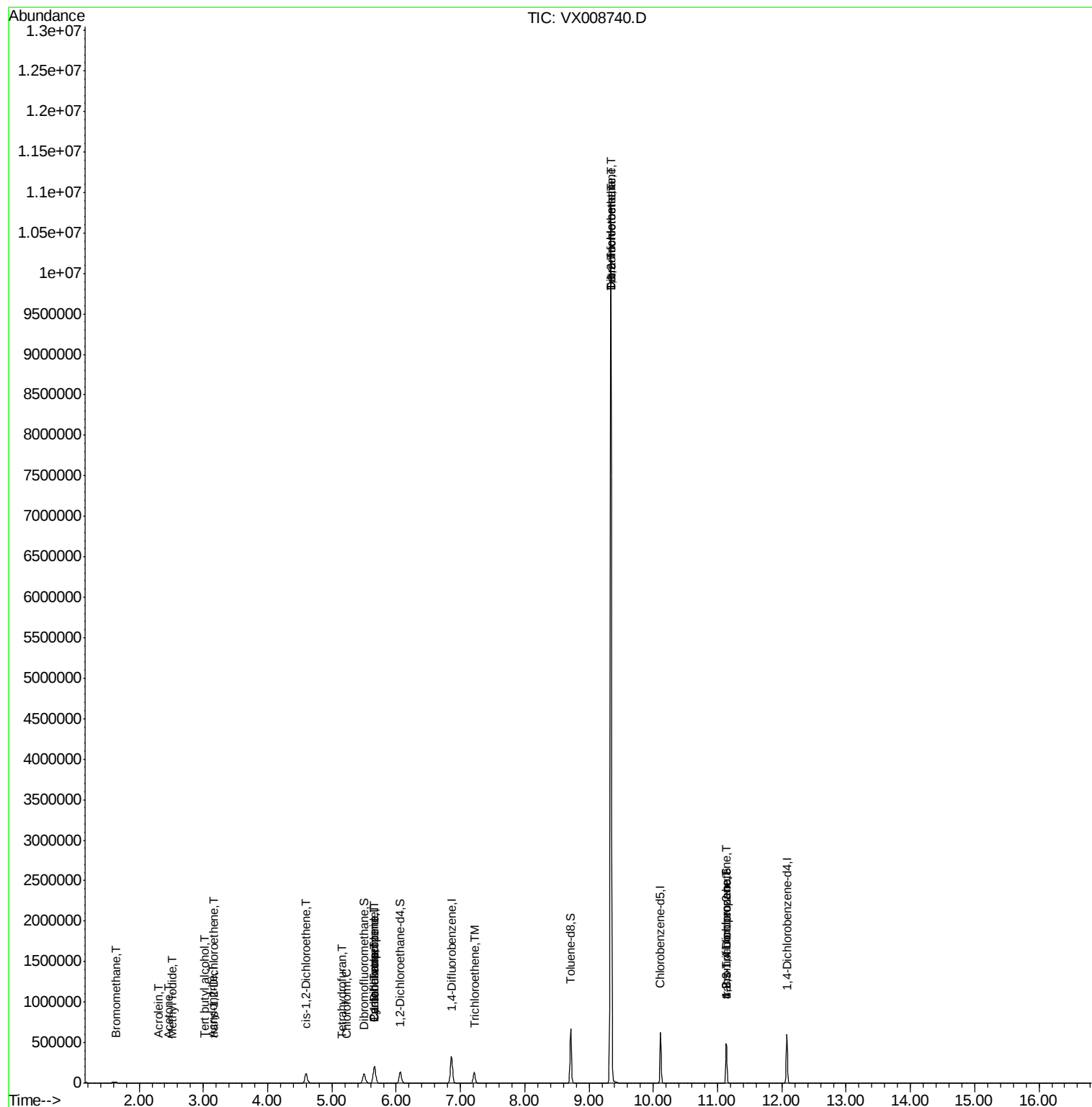
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	480	Below Cal	#	62
5) Bromomethane	1.64	94	664	2.312	ug/l #	78
6) Chloroethane	1.73	64	258	Below Cal	#	88
10) Methyl Iodide	2.51	142	457	4.216	ug/l #	90
11) Tert butyl alcohol	3.02	59	1799	2.695	ug/l #	78
13) Acrolein	2.30	56	280	0.846	ug/l	95
15) Acrylonitrile	3.15	53	463	0.262	ug/l	91
16) Acetone	2.45	43	509	0.310	ug/l #	78
17) Carbon Disulfide	2.57	76	1300	Below Cal	#	85
21) trans-1,2-Dichloroethene	3.16	96	1825	0.746	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	72783	25.894	ug/l	90
28) Bromochloromethane	5.01	49	56	Below Cal	#	22
29) Tetrahydrofuran	5.16	42	403	0.234	ug/l #	62
30) Chloroform	5.21	83	1154	0.262	ug/l	87
31) Cyclohexane	5.66	56	4580	0.930	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15756	4.426	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18493	6.277	ug/l #	18
44) Trichloroethene	7.21	130	50260	20.350	ug/l	100
55) 1,1,2-Trichloroethane	9.34	97	16886	6.729	ug/l #	1
60) Dibromochloromethane	9.34	129	1988270	840.794	ug/l #	11
64) Tetrachloroethene	9.34	164	2101559	1032.559	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	67432	21.114	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67432	58.203	ug/l #	9

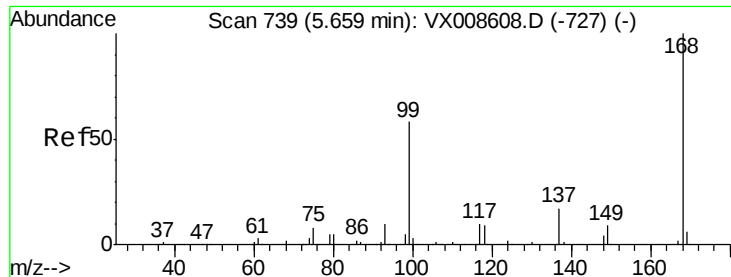
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040819\
Data File : VX008740.D
Acq On : 08 Apr 2019 13:16
Operator : JC/SP
Sample : K2295-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

Quant Time: Apr 09 06:43:27 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: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

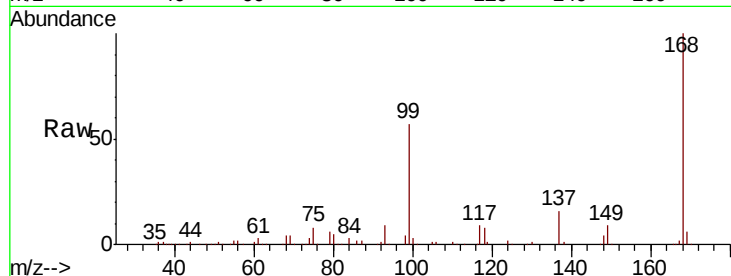
ST008MW336-190404

Tot Ion:168 Resp: 195506

Ion Ratio Lower Upper

168 100

99 56.8 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

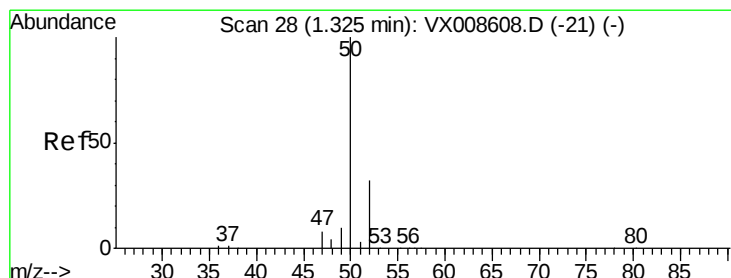
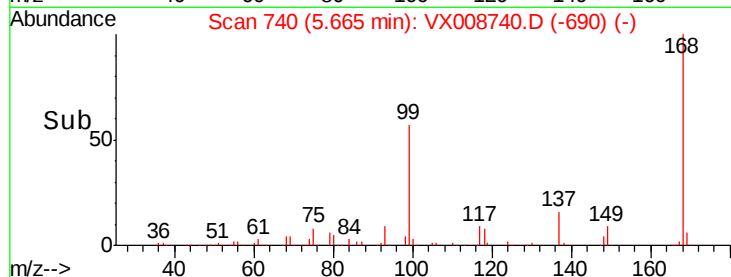
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008740.D

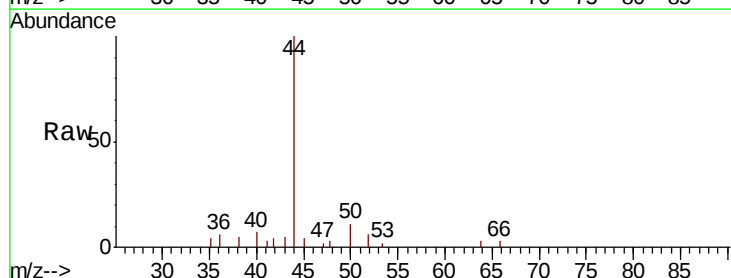
Acq: 08 Apr 2019 13:16

Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 53.7 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

300

250

200

150

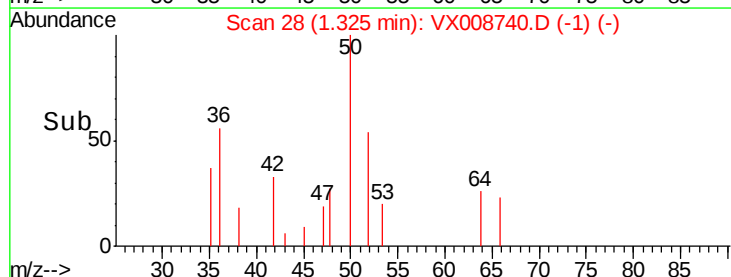
100

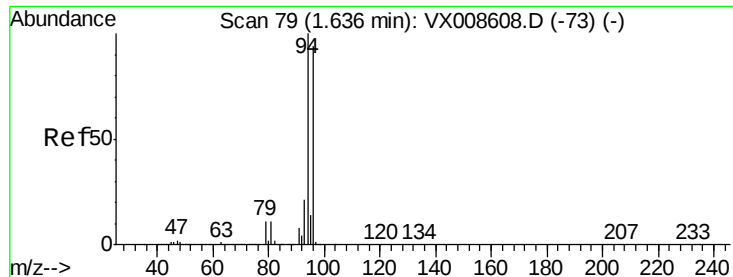
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.312 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

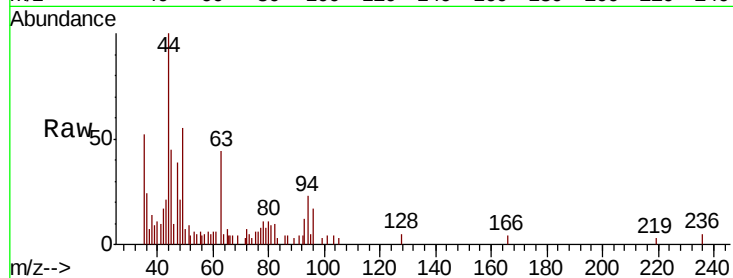
ST008MW336-190404

Tot Ion: 94 Resp: 664

Ion Ratio Lower Upper

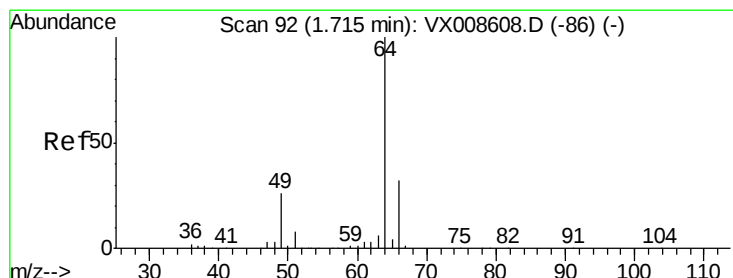
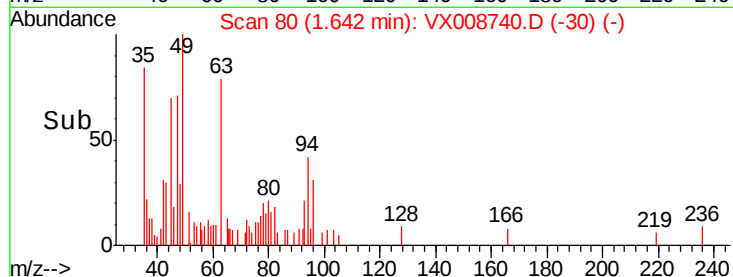
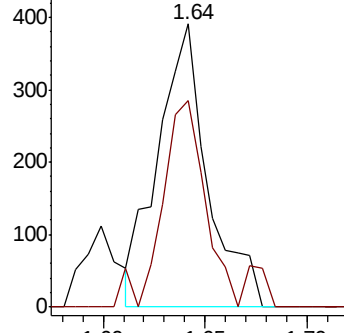
94 100

96 73.1 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008740.D

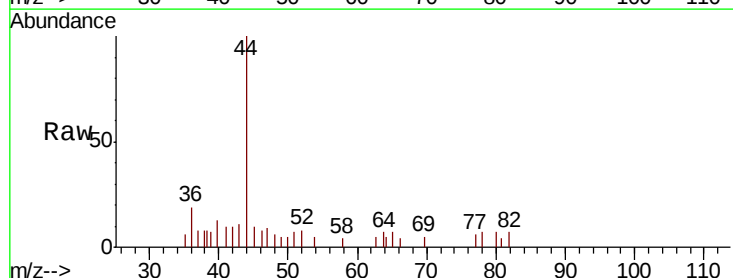
Acq: 08 Apr 2019 13:16

Tgt Ion: 64 Resp: 258

Ion Ratio Lower Upper

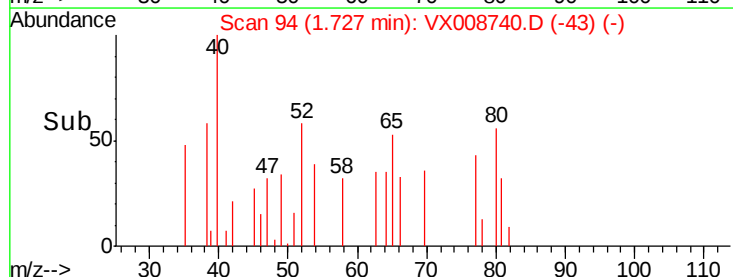
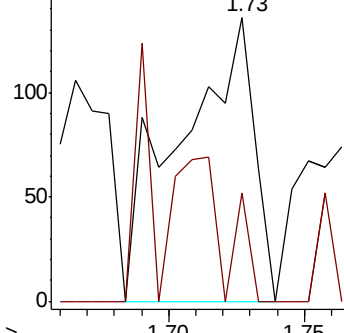
64 100

66 38.2 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

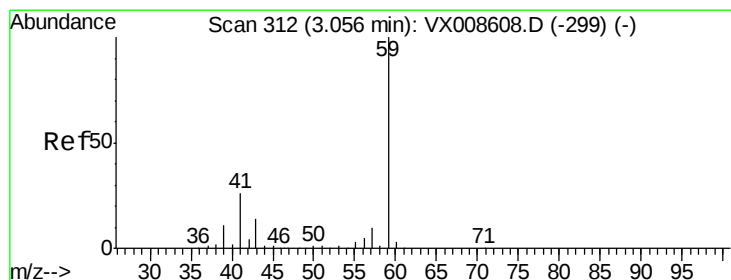
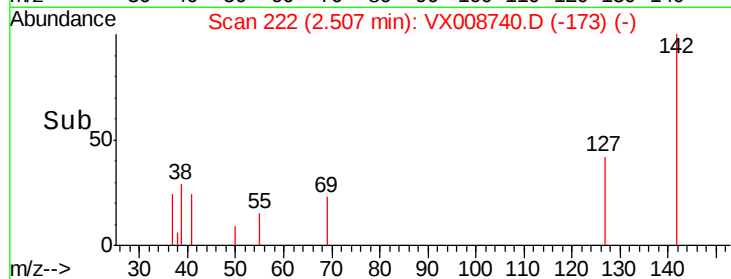
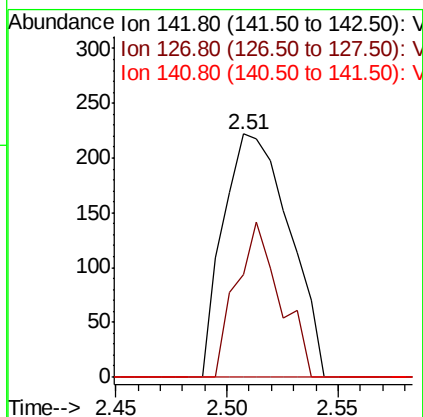
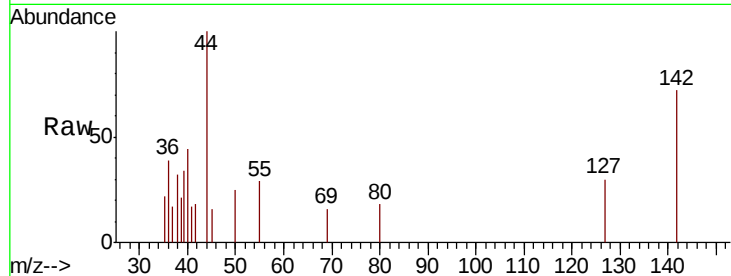




#10
Methvl Iodide
Concen: 4.216 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

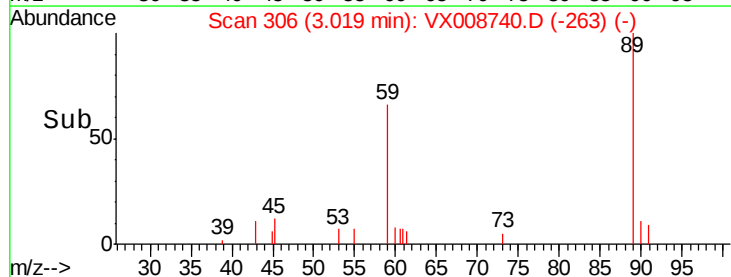
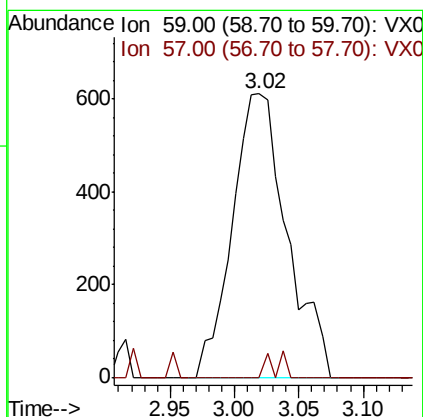
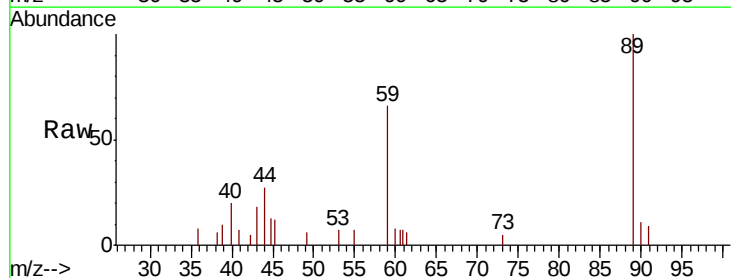
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

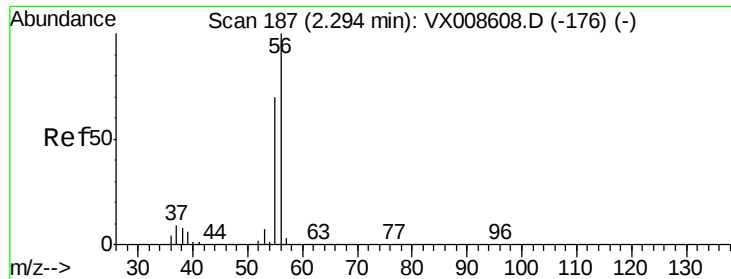
Tot Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 42.2 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.695 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Tgt Ion: 59 Resp: 1799
Ion Ratio Lower Upper
59 100
57 2.2 8.3 12.5#

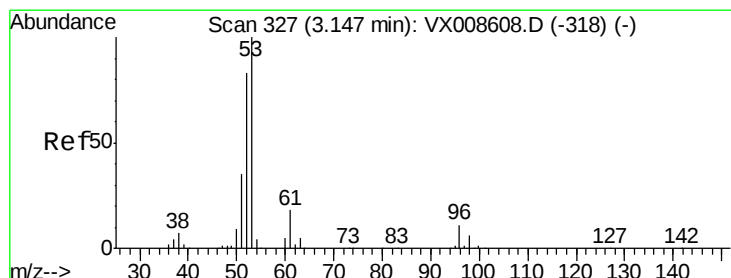
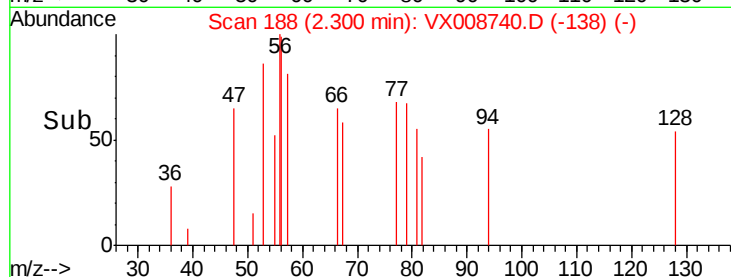
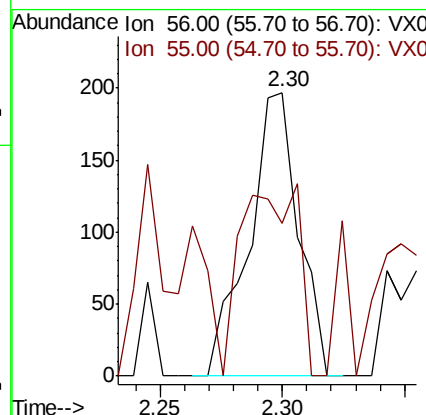
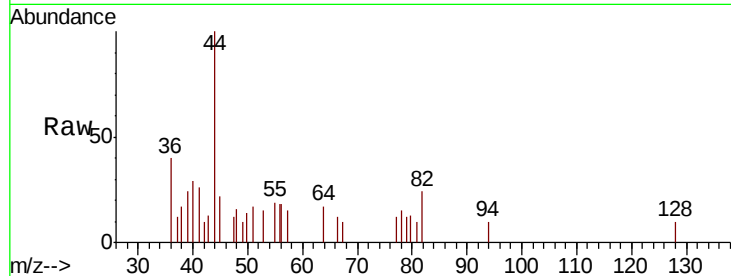




#13
Acrolein
Concen: 0.846 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

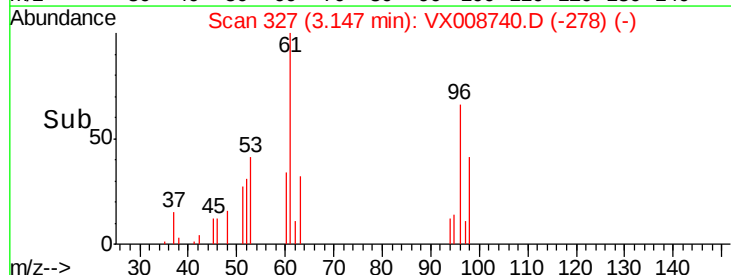
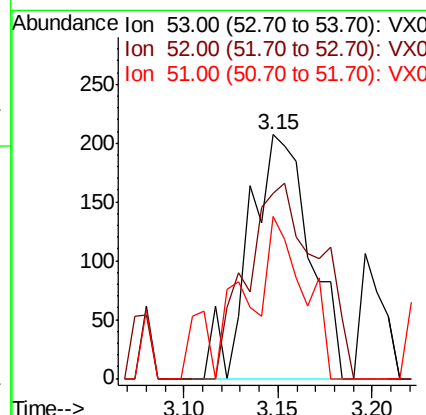
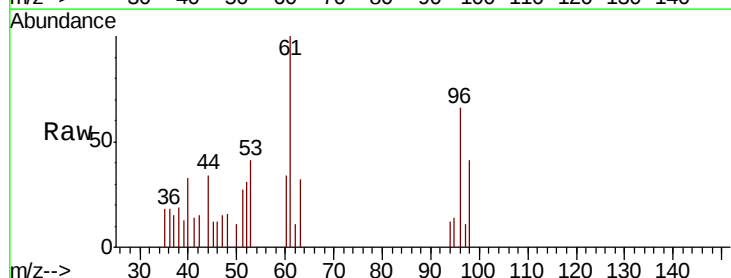
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

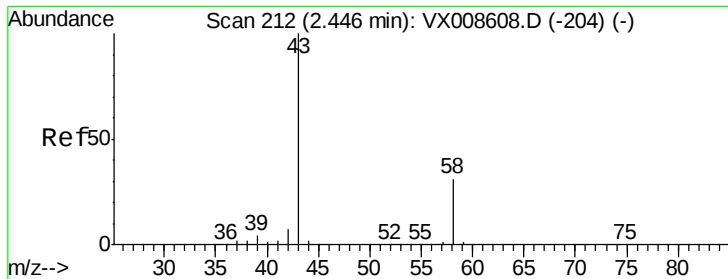
Tot Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 76.4 58.0 87.0



#15
Acrylonitrile
Concen: 0.262 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.00 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Tgt Ion: 53 Resp: 463
Ion Ratio Lower Upper
53 100
52 93.3 66.5 99.7
51 38.4 28.6 42.8





#16

Acetone

Concen: 0.310 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

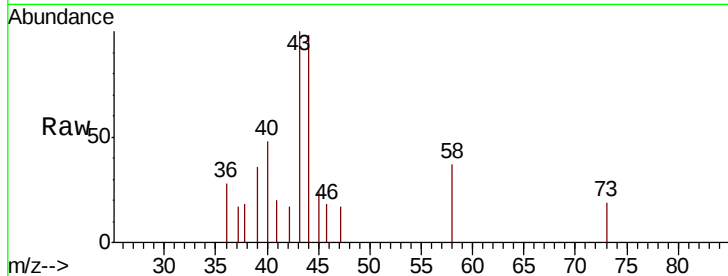
ST008MW336-190404

Tot Ion: 43 Resp: 509

Ion Ratio Lower Upper

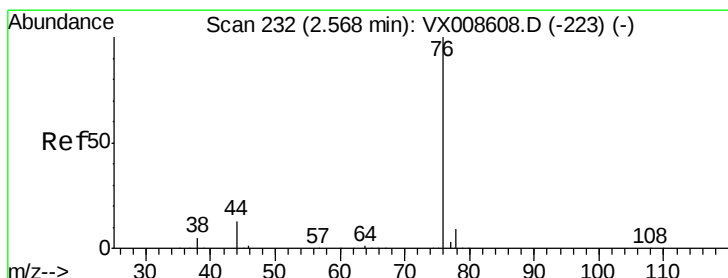
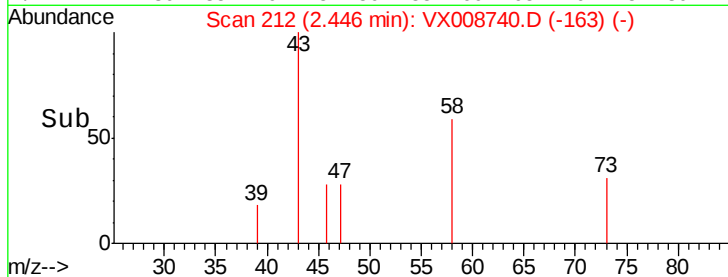
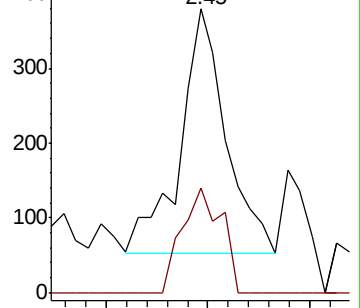
43 100

58 42.9 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: VX008740.D

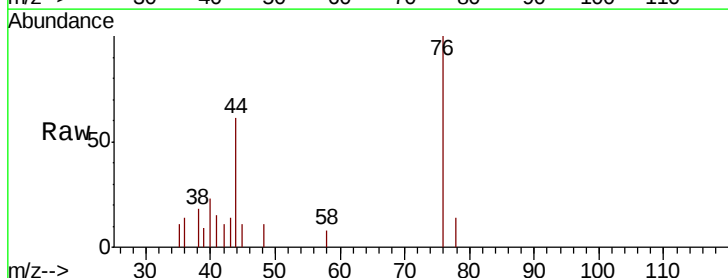
Acq: 08 Apr 2019 13:16

Tgt Ion: 76 Resp: 1300

Ion Ratio Lower Upper

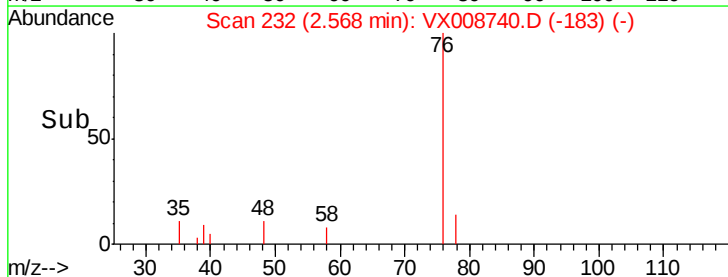
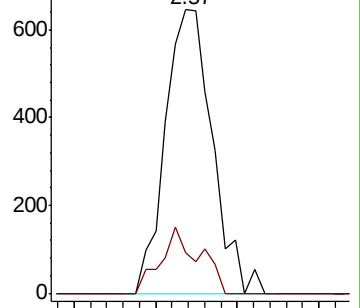
76 100

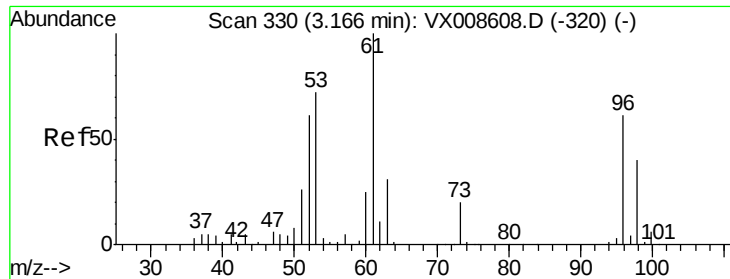
78 14.2 7.1 10.7#



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: 0.746 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404

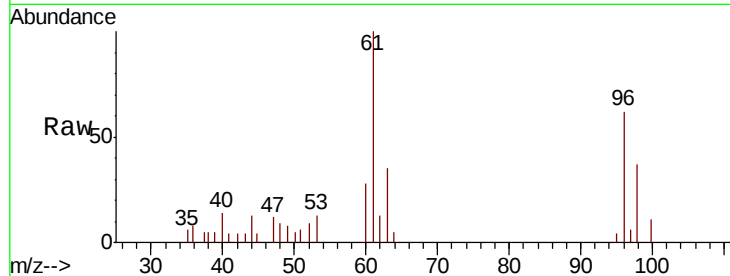
Tot Ion: 96 Resp: 1825

Ion Ratio Lower Upper

96 100

61 154.1 132.1 198.1

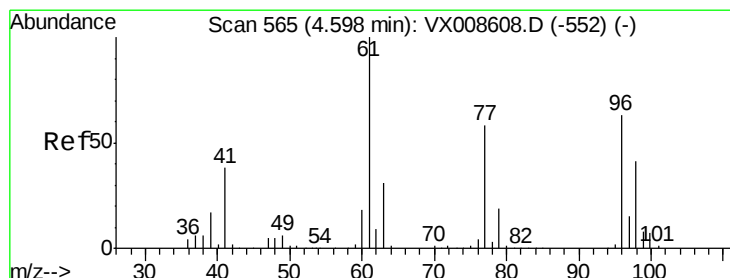
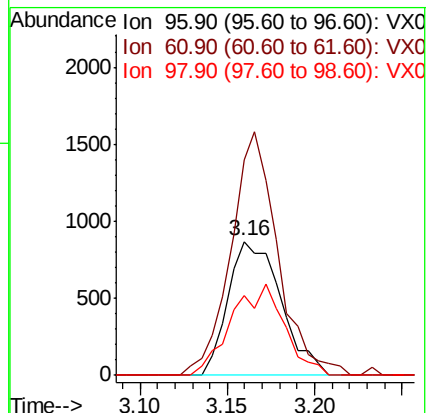
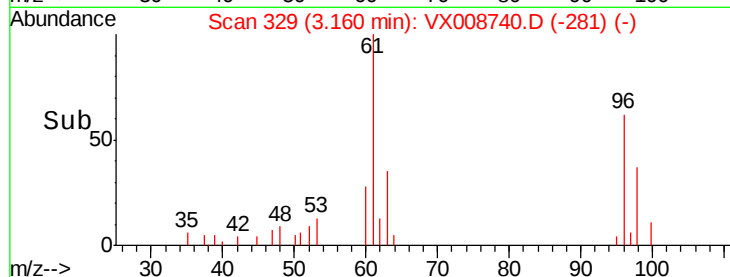
98 59.4 52.2 78.2



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: 25.894 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

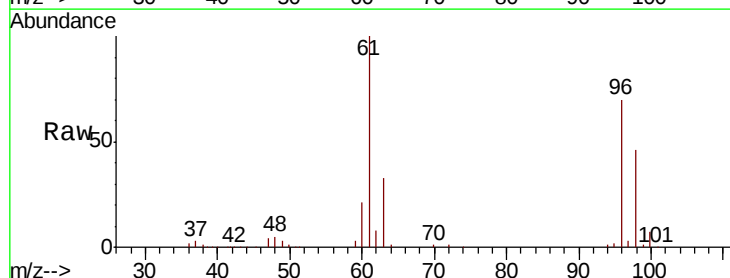
Tgt Ion: 96 Resp: 72783

Ion Ratio Lower Upper

96 100

61 144.7 0.0 327.6

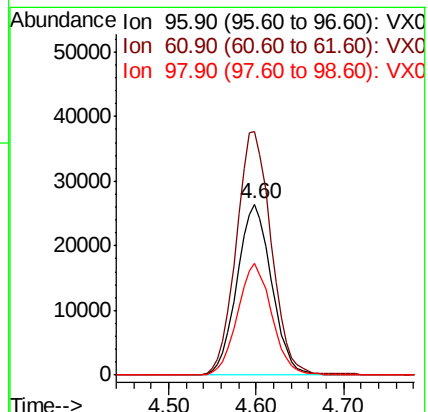
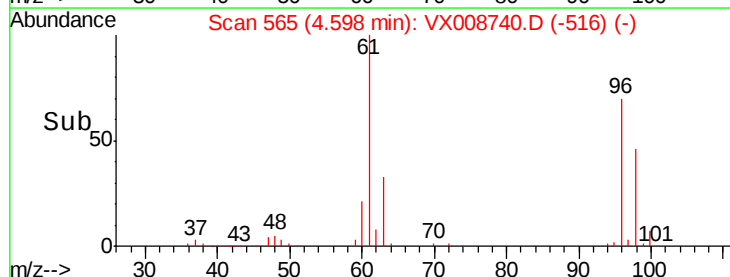
98 64.7 0.0 128.6

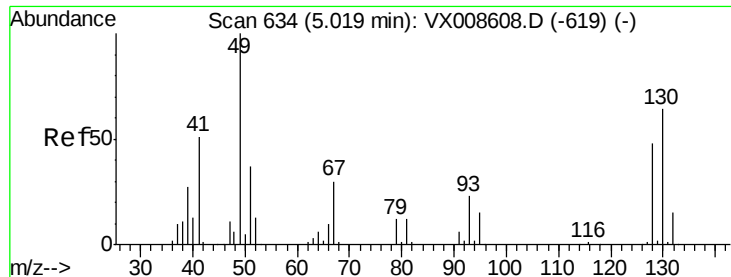


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404

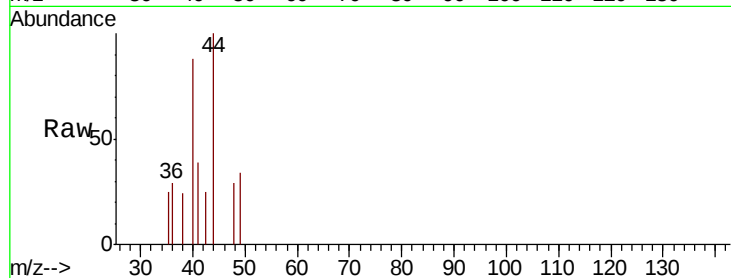
Tot Ion: 49 Resp: 56

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

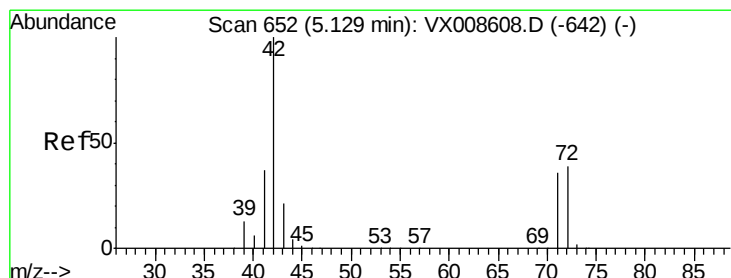
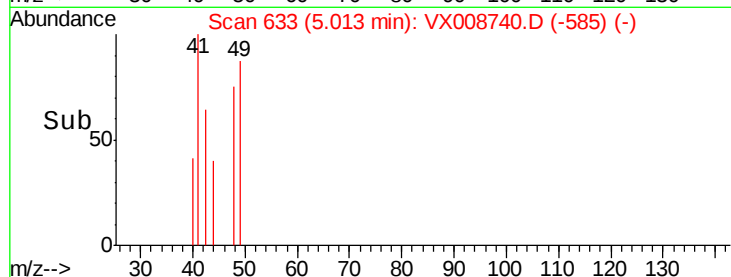
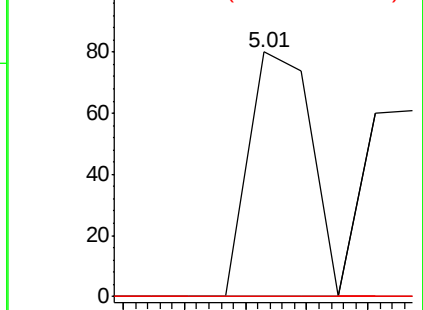
130 0.0 49.3 73.9#



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



#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

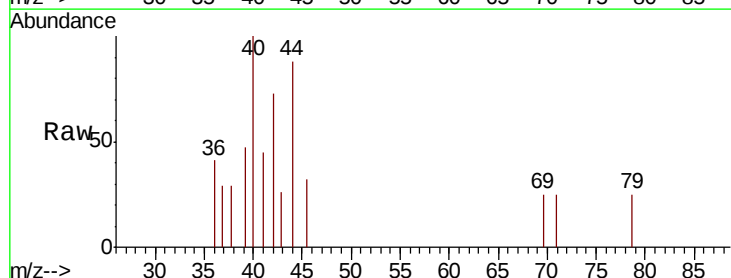
Tgt Ion: 42 Resp: 403

Ion Ratio Lower Upper

42 100

72 10.4 30.5 45.7#

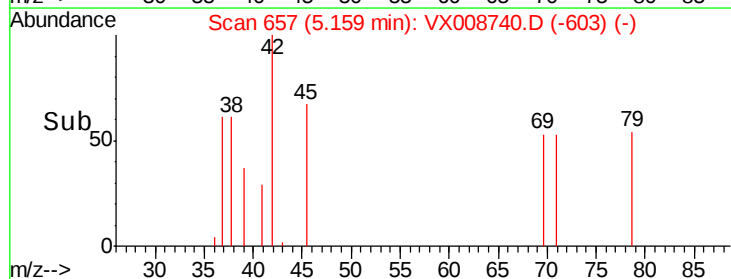
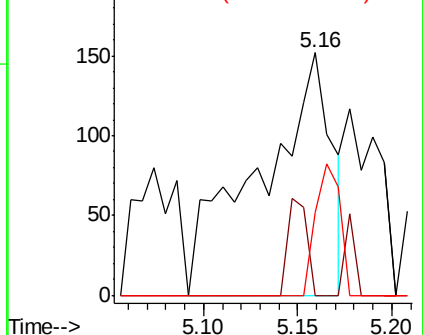
71 18.4 28.6 43.0#

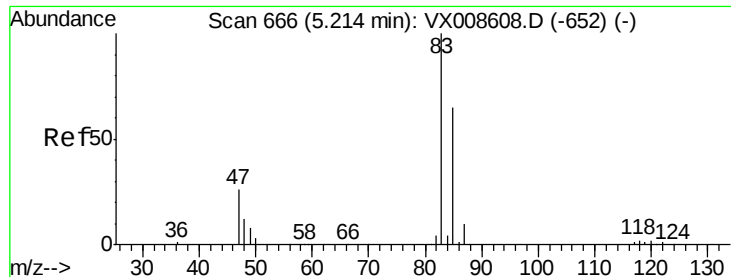


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

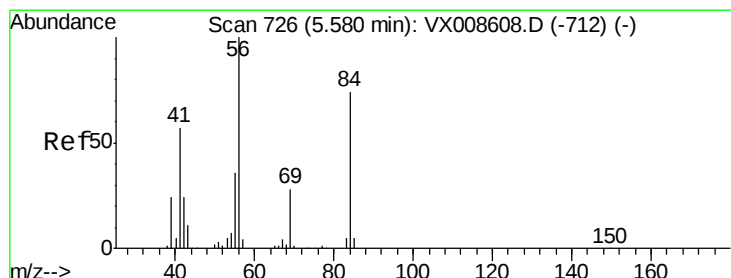
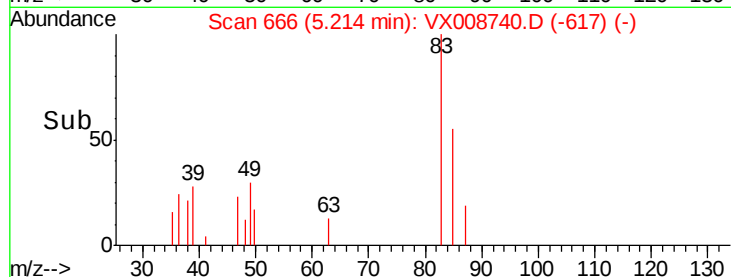
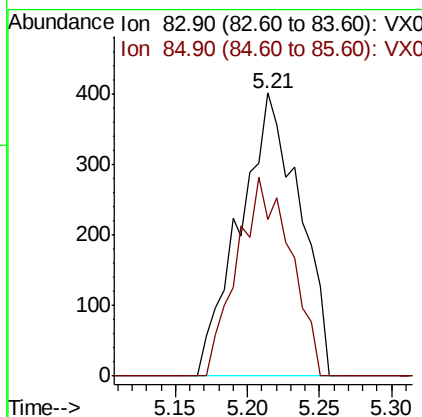
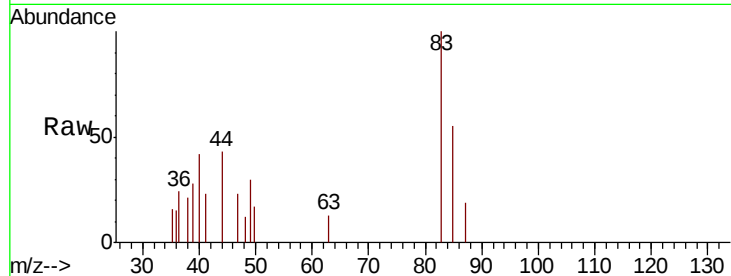




#30
Chloroform
Concen: 0.262 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

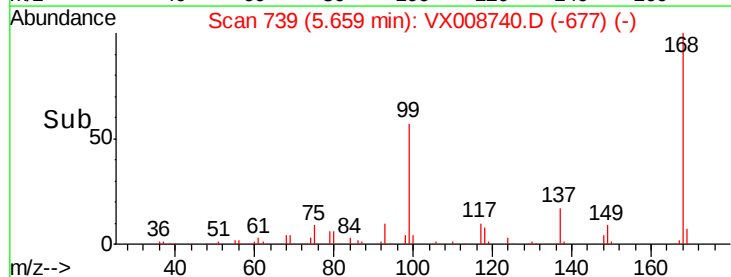
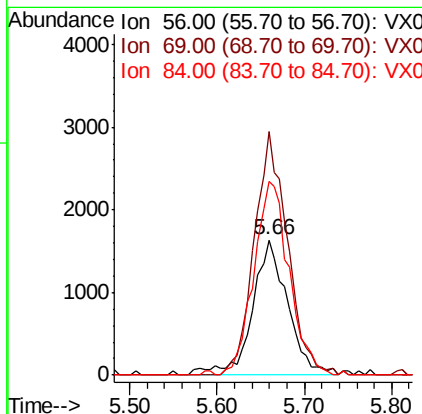
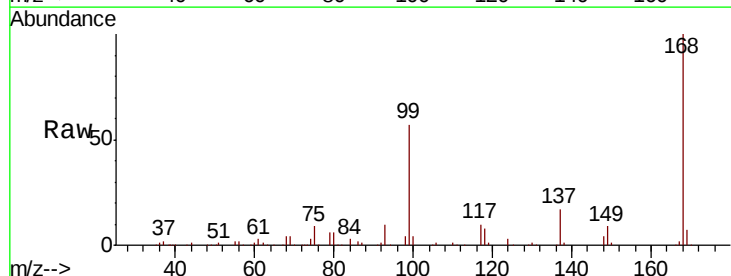
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

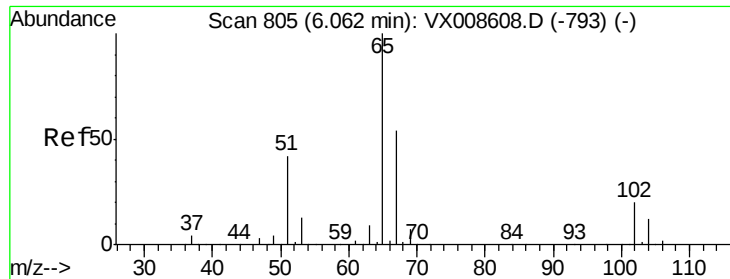
Tot Ion: 83 Resp: 1154
Ion Ratio Lower Upper
83 100
85 55.1 52.1 78.1



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Tgt Ion: 56 Resp: 4580
Ion Ratio Lower Upper
56 100
69 179.9 22.6 33.8#
84 142.8 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 46.168 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

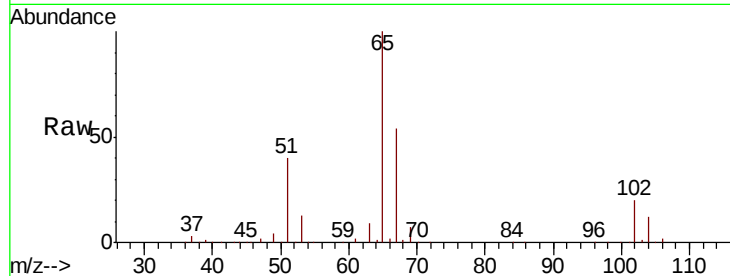
ST008MW336-190404

Tot Ion: 65 Resp: 131651

Ion Ratio Lower Upper

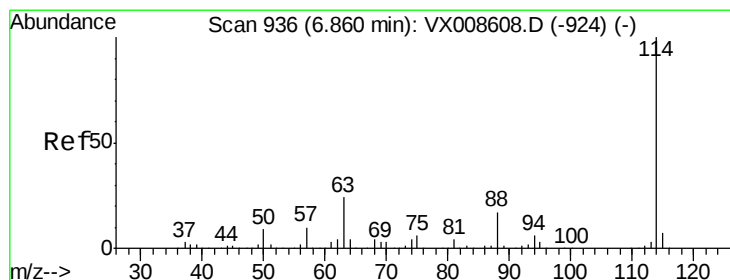
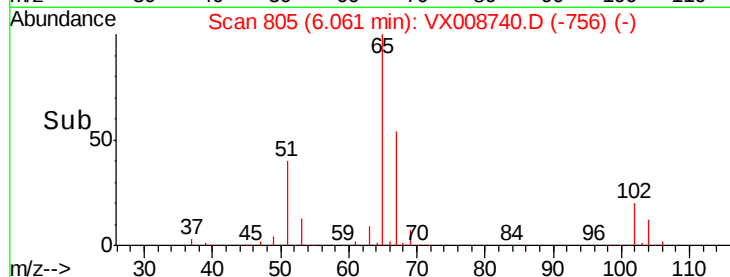
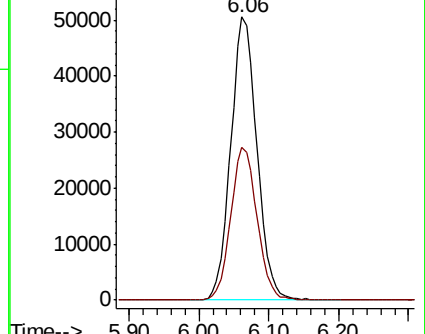
65 100

67 54.2 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: VX008740.D

Acq: 08 Apr 2019 13:16

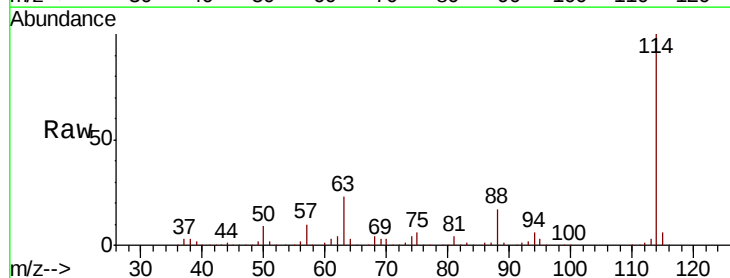
Tgt Ion: 114 Resp: 325636

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

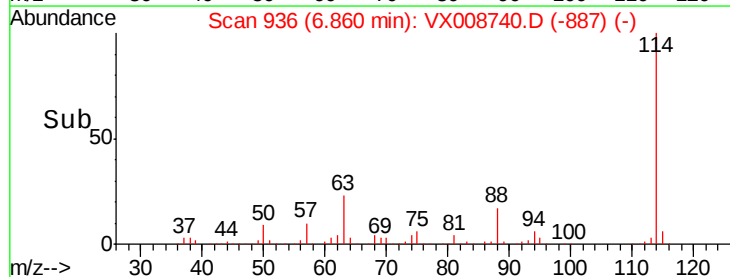
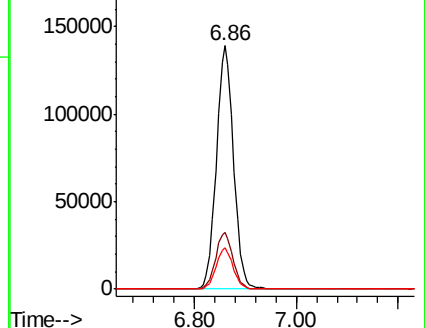
88 16.8 0.0 34.0

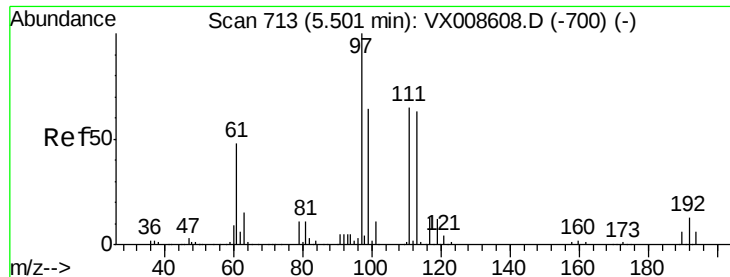


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.092 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404

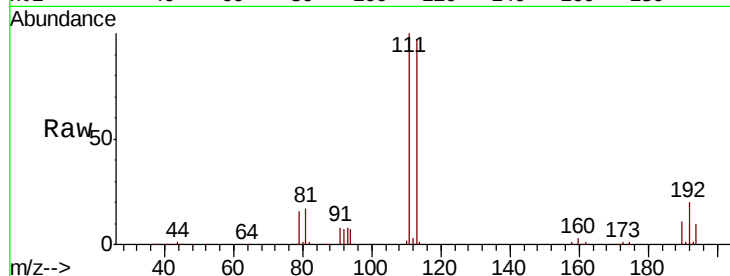
Tot Ion:113 Resp: 98046

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

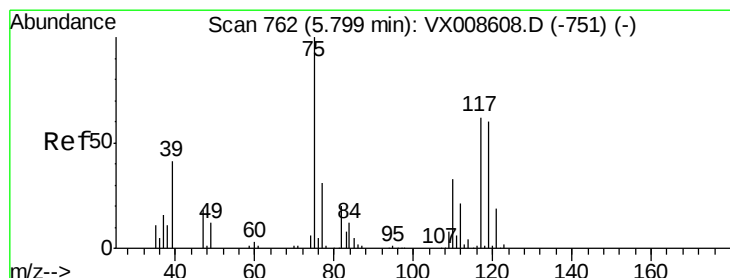
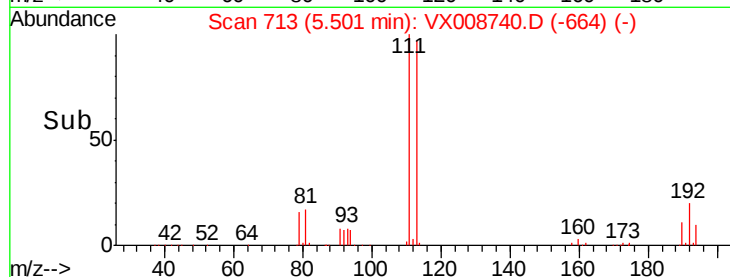
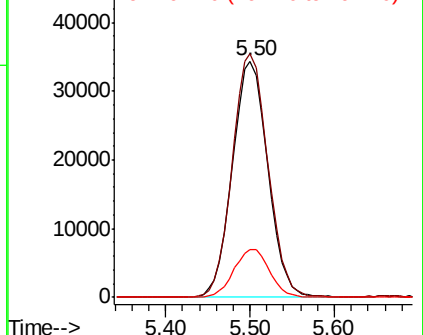
192 20.5 16.1 24.1



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: 4.426 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

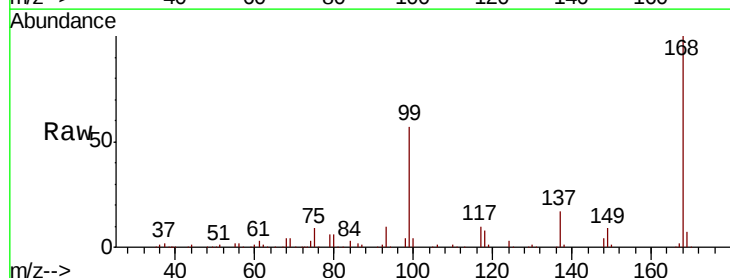
Tgt Ion: 75 Resp: 15756

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

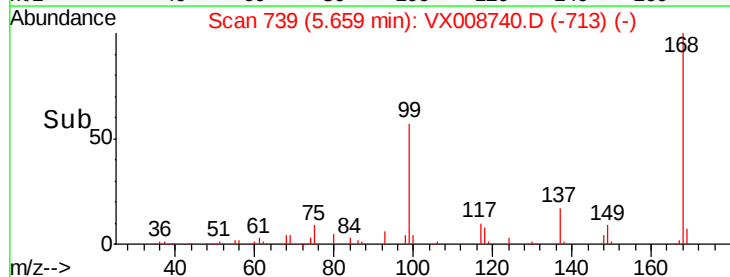
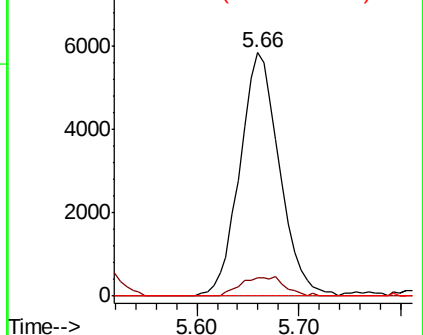
77 0.0 24.7 37.1#

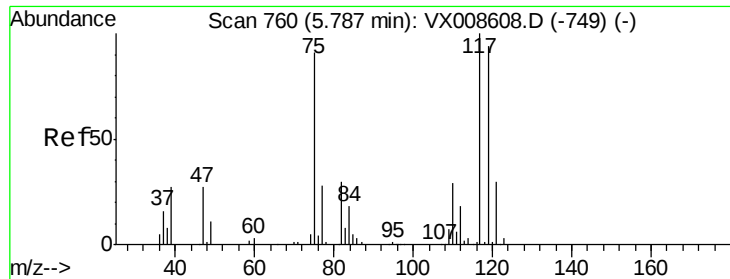


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

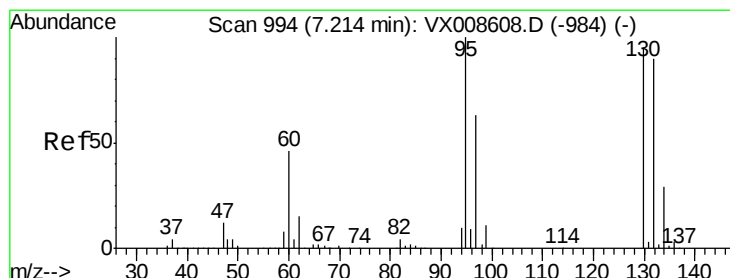
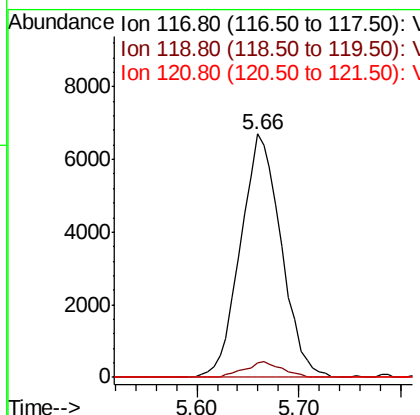
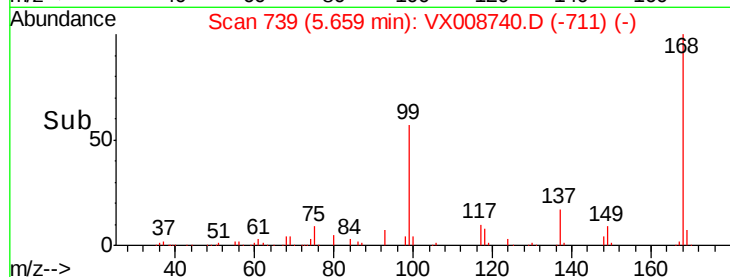
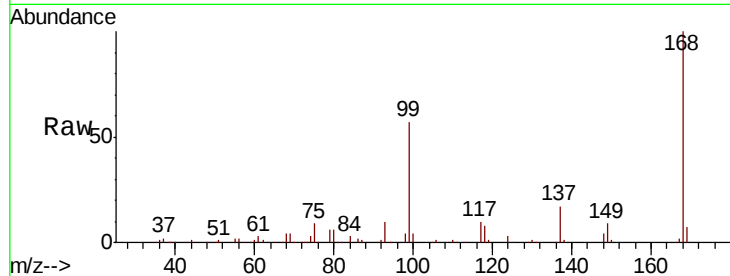




#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

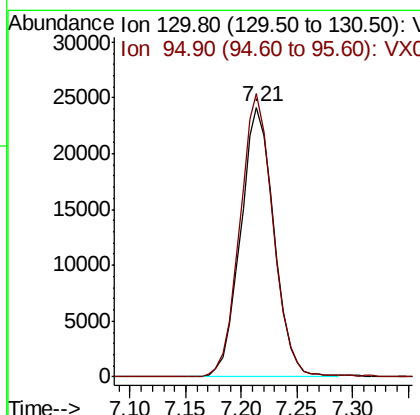
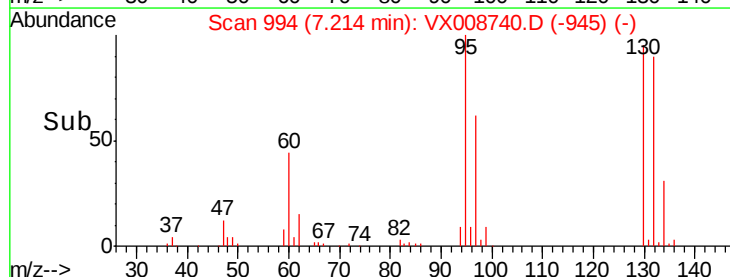
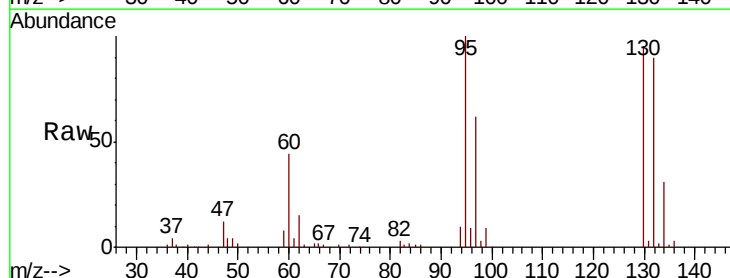
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

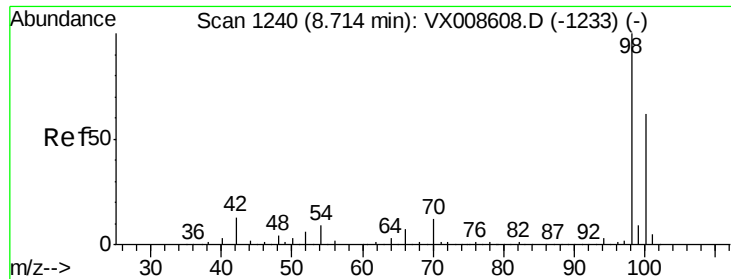
Tot Ion:117 Resp: 18493
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 24.3 36.5#



#44
Trichloroethene
Concen: 20.350 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Tgt Ion:130 Resp: 50260
Ion Ratio Lower Upper
130 100
95 104.9 0.0 209.8





#50

Toluene-d8

Concen: 48.315 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

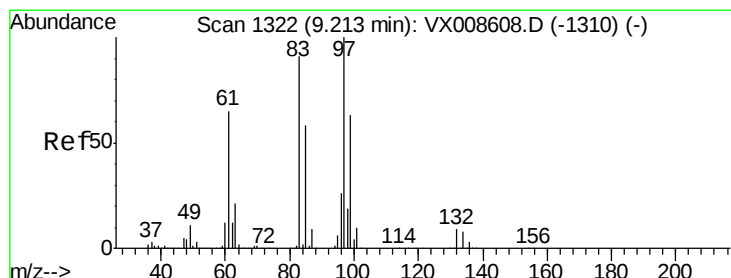
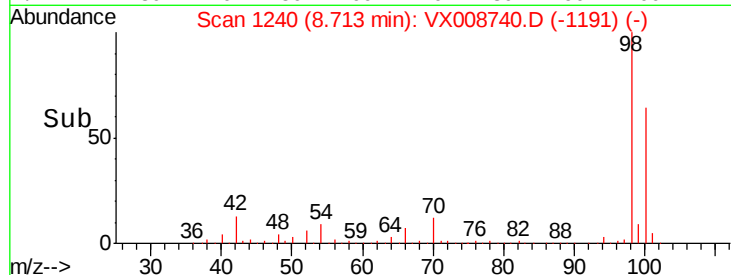
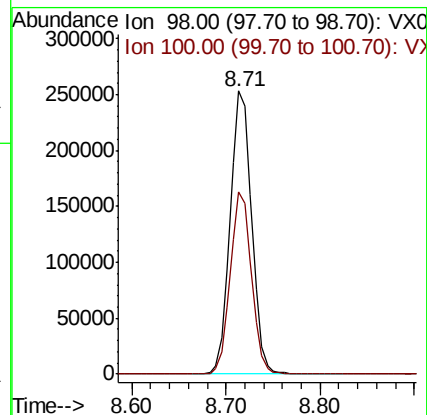
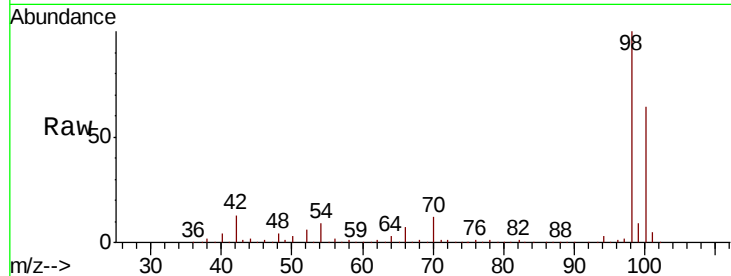
ST008MW336-190404

Tot Ion: 98 Resp: 400525

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#55

1,1,2-Trichloroethane

Concen: 6.729 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Tgt Ion: 97 Resp: 16886

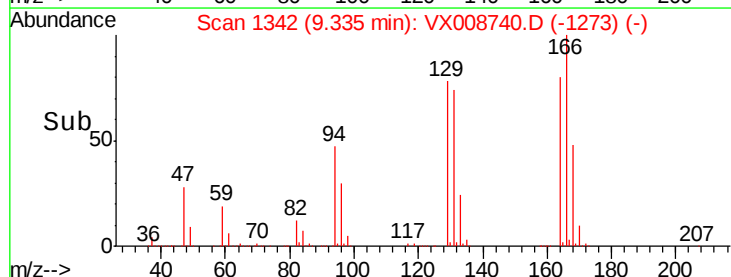
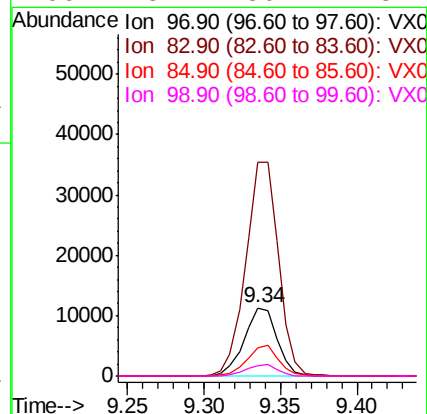
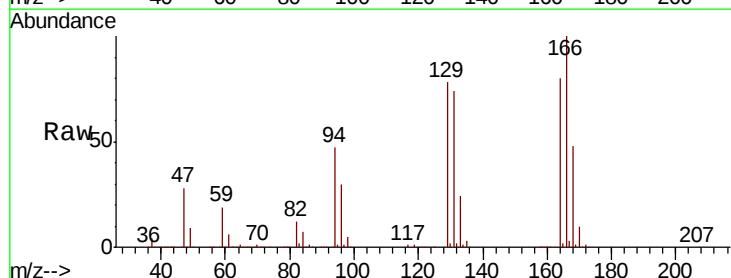
Ion Ratio Lower Upper

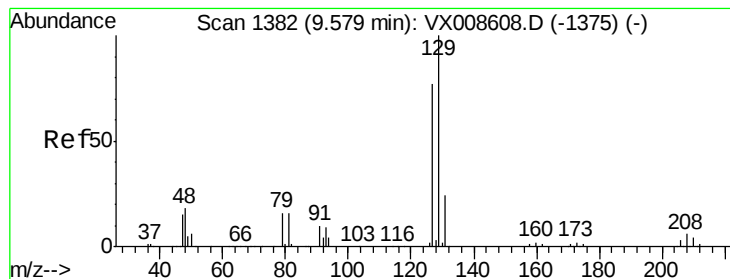
97 100

83 313.1 73.2 109.8#

85 41.6 46.6 69.8#

99 15.4 50.1 75.1#





#60

Dibromochloromethane

Concen: 840.794 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

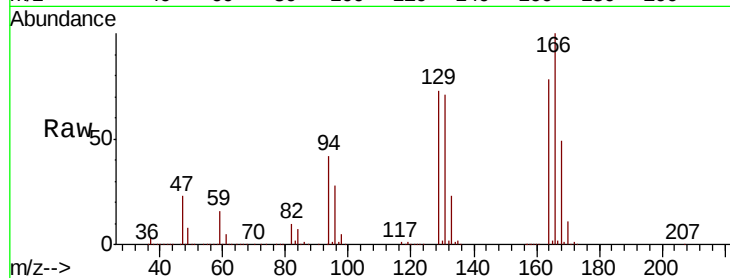
ST008MW336-190404

Tot Ion:129 Resp: 1988270

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

9.34

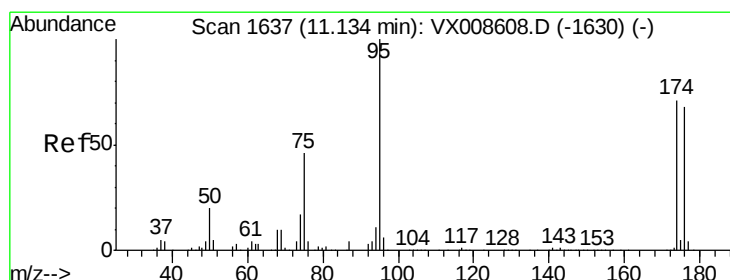
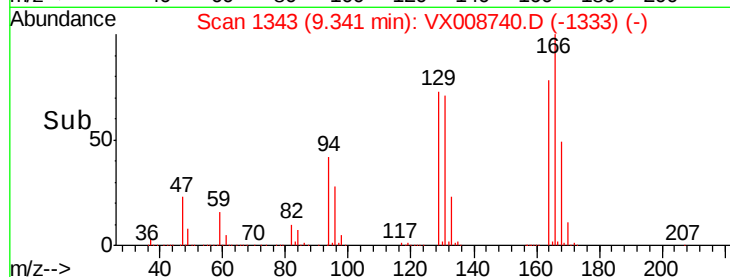
1500000

1000000

500000

0

Time--> 9.20 9.30 9.40 9.50



#62

4-Bromofluorobenzene

Concen: 44.979 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

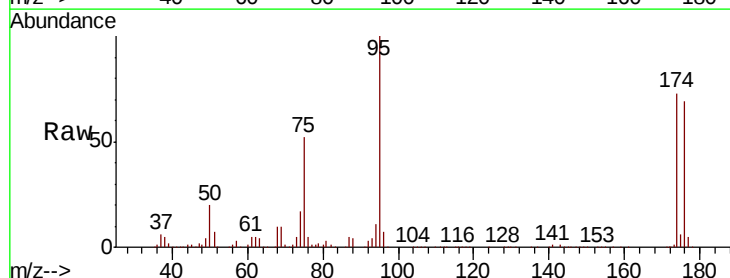
Tgt Ion: 95 Resp: 132226

Ion Ratio Lower Upper

95 100

174 78.1 0.0 151.8

176 75.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

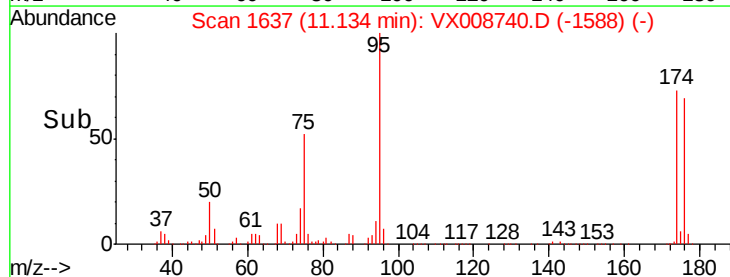
11.13

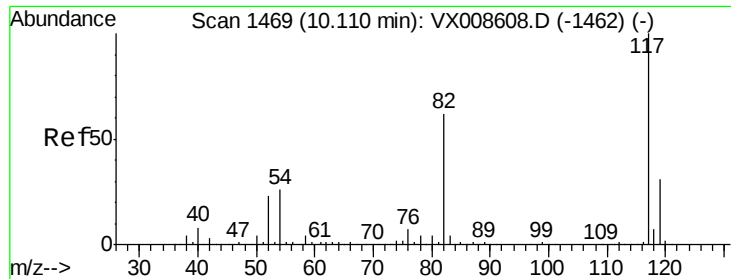
100000

50000

0

Time--> 11.10 11.20

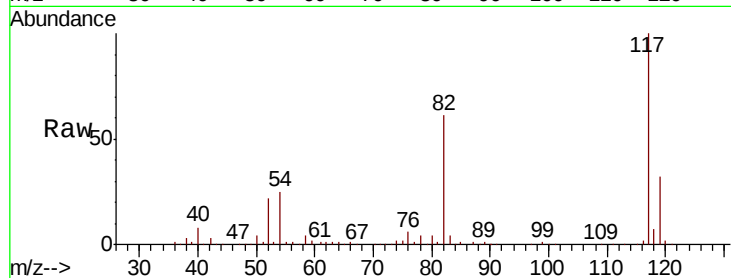




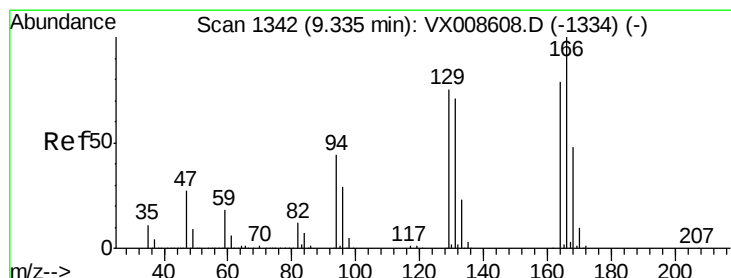
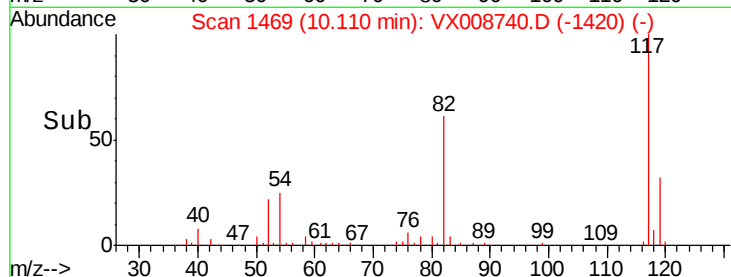
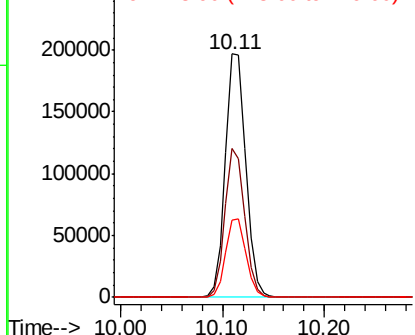
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404

Tot Ion:117 Resp: 274707
Ion Ratio Lower Upper
117 100
82 61.2 49.6 74.4
119 31.8 25.0 37.4

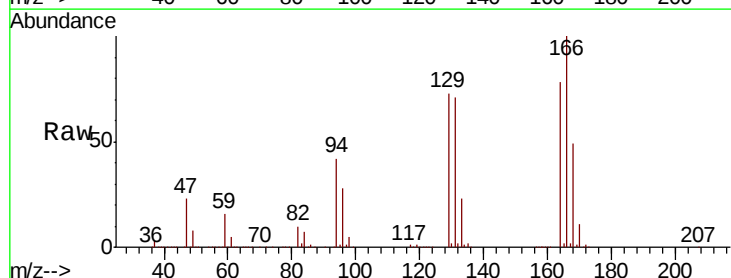


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

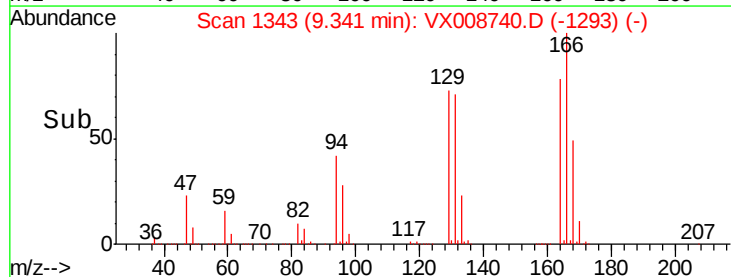
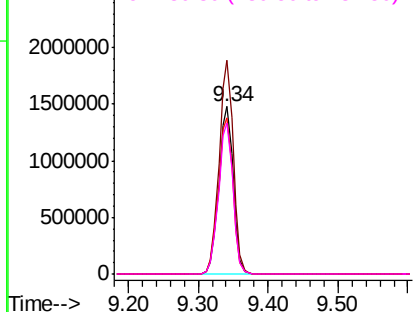


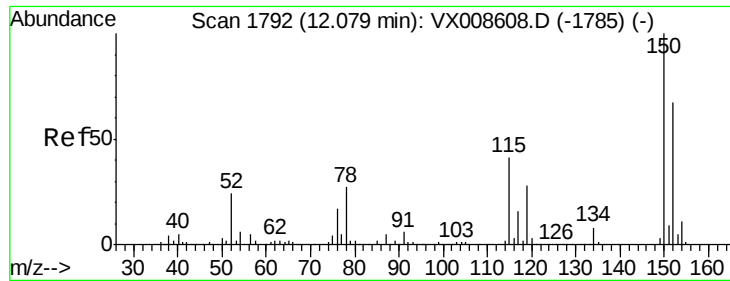
#64
Tetrachloroethene
Concen: 1032.559 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008740.D
Acq: 08 Apr 2019 13:16

Tgt Ion:164 Resp: 2101559
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.6
129 93.4 75.8 113.8
131 90.3 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: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404

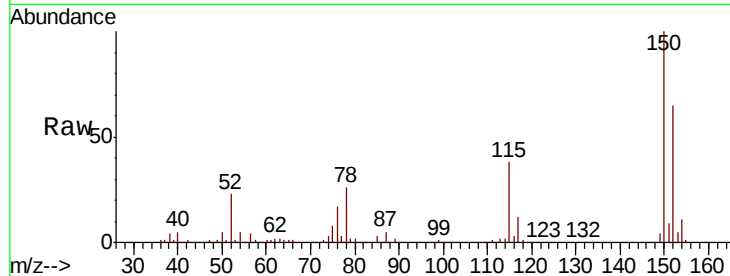
Tot Ion:152 Resp: 116255

Ion Ratio Lower Upper

152 100

115 60.5 43.5 130.5

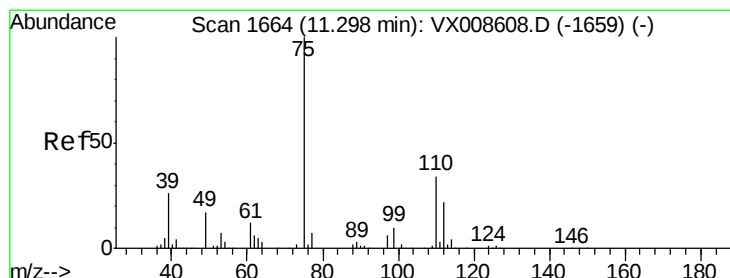
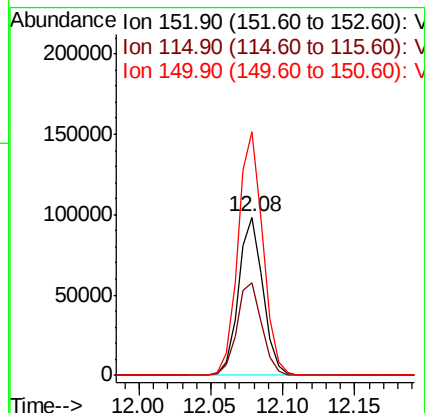
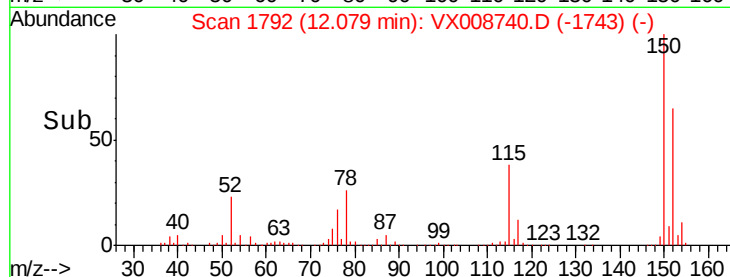
150 157.1 0.0 348.8



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: 21.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008740.D

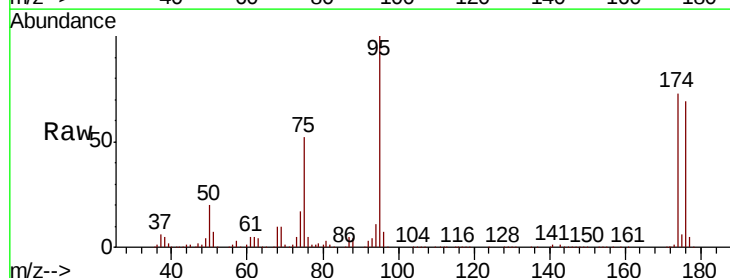
Acq: 08 Apr 2019 13:16

Tgt Ion: 75 Resp: 67432

Ion Ratio Lower Upper

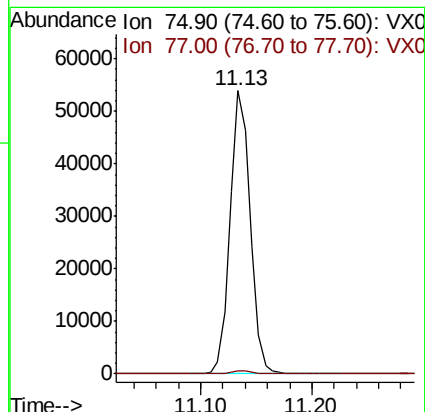
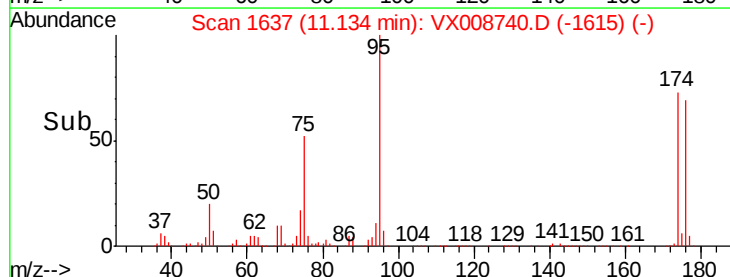
75 100

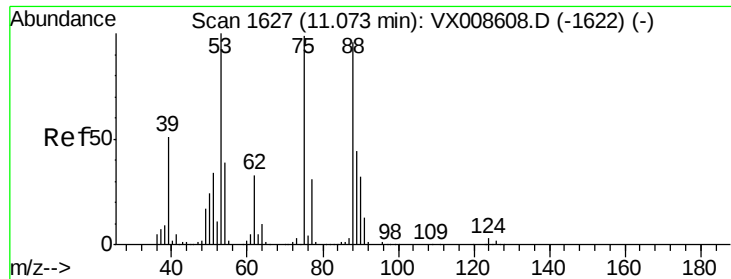
77 1.2 22.3 66.8#



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: 58.203 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008740.D

Acq: 08 Apr 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404

Tot Ion: 75 Resp: 67432

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

