

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008726.D
 Acq On : 06 Apr 2019 17:25
 Operator : JC/SP
 Sample : K2295-05 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-190404

Quant Time: Apr 08 01:55:49 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	190737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116410	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	130430	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	5.50	113	94168	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.71	98	397282	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	130991	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

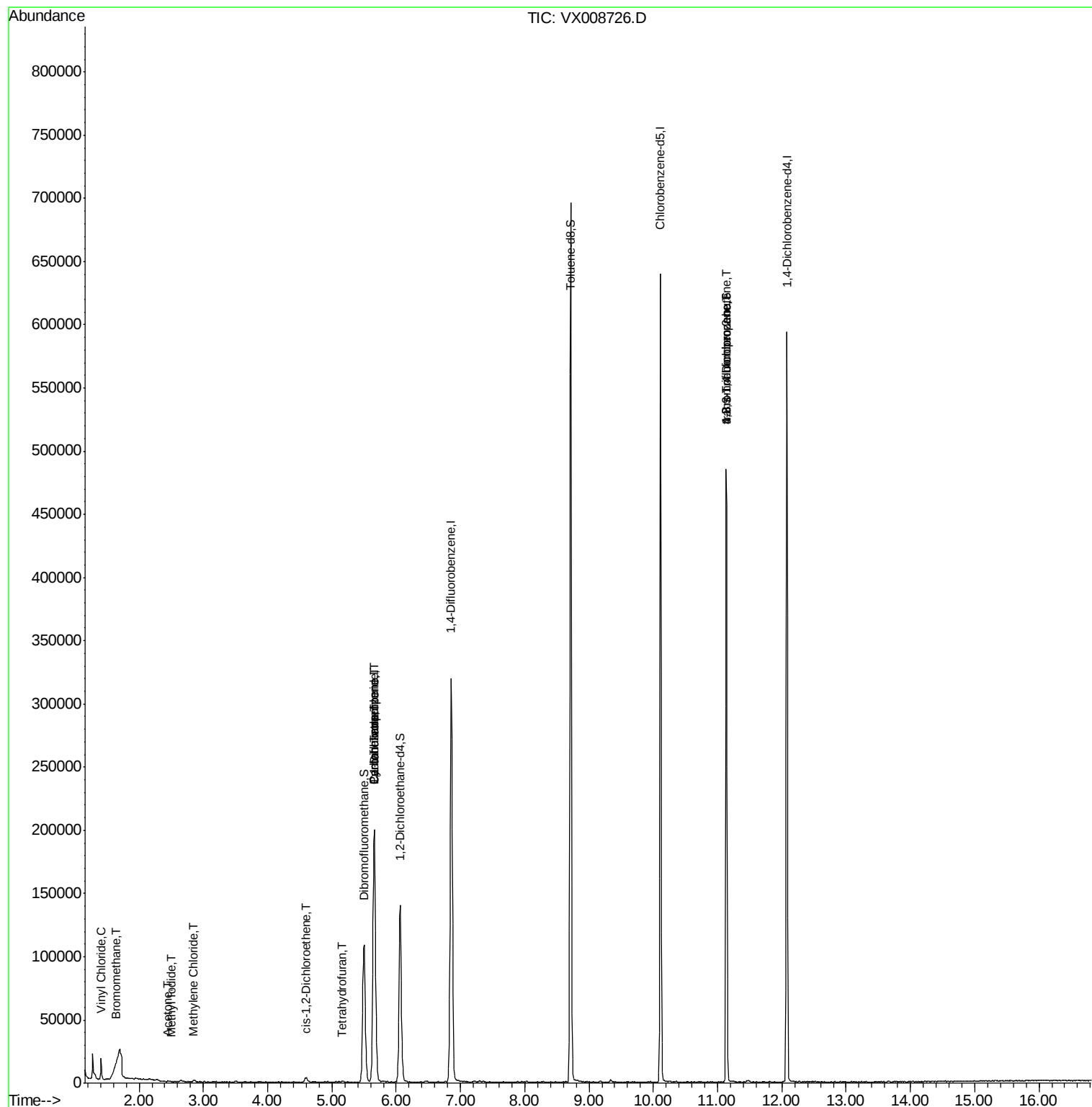
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	590	Below Cal		99
4) Vinyl Chloride	1.41	62	12105	4.079	ug/l	97
5) Bromomethane	1.63	94	505	2.218	ug/l #	42
6) Chloroethane	1.70	64	52	Below Cal	#	86
10) Methyl Iodide	2.51	142	100	4.051	ug/l #	42
16) Acetone	2.45	43	925	0.577	ug/l #	53
17) Carbon Disulfide	2.56	76	466	Below Cal	#	75
20) Methylene Chloride	2.85	84	643	0.240	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	2037	0.743	ug/l	94
28) Bromochloromethane	5.04	49	63	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	463	0.275	ug/l #	60
31) Cyclohexane	5.65	56	4406	0.917	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15787	4.567	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18507	6.469	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	66454	20.781	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66454	57.283	ug/l #	9

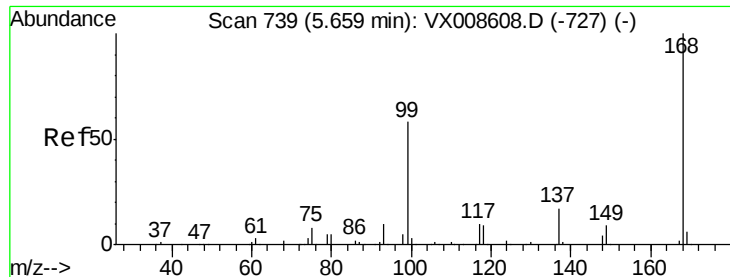
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

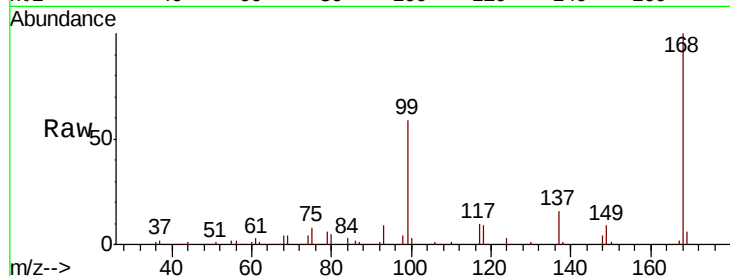
ST008MW157-190404

Tot Ion:168 Resp: 190737

Ion Ratio Lower Upper

168 100

99 58.9 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

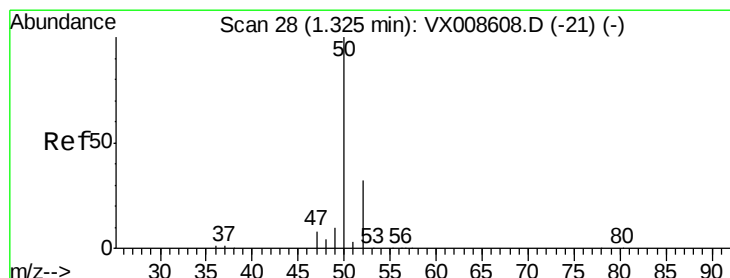
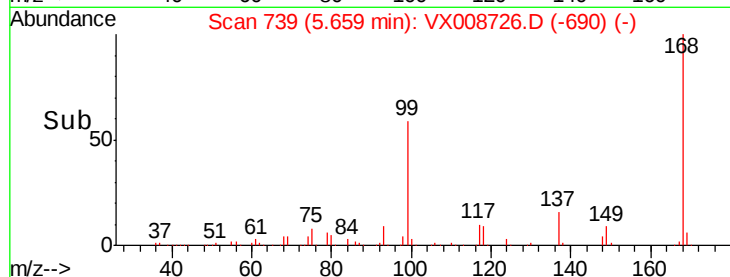
60000

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: VX008726.D

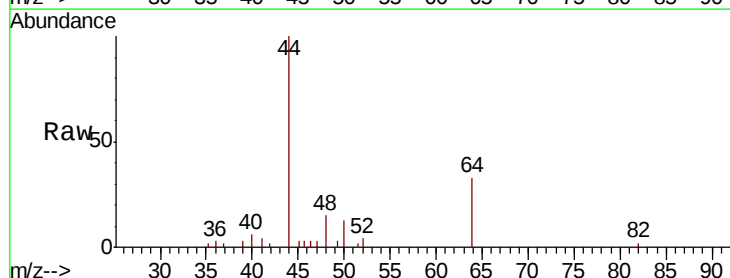
Acq: 06 Apr 2019 17:25

Tgt Ion: 50 Resp: 590

Ion Ratio Lower Upper

50 100

52 31.5 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

400

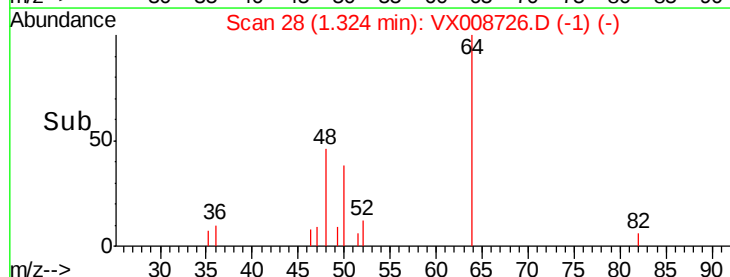
300

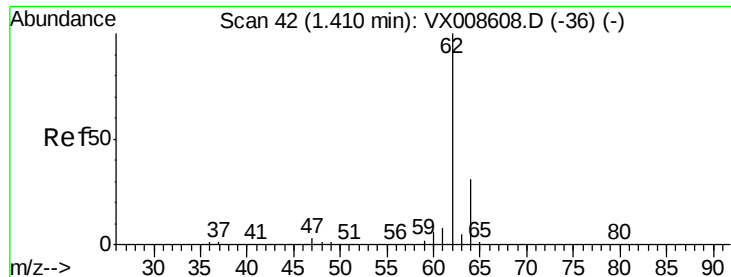
200

100

0

Time--> 1.25 1.30 1.35





#4

Vinyl Chloride

Concen: 4.079 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

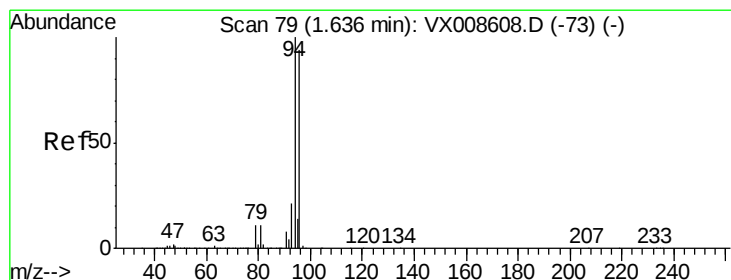
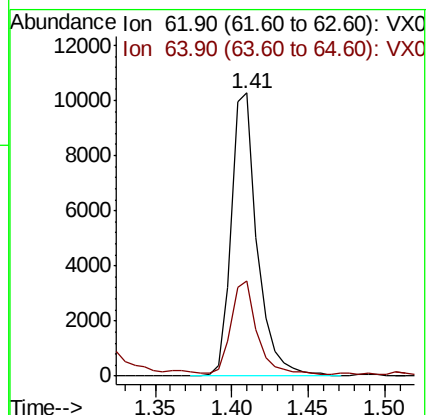
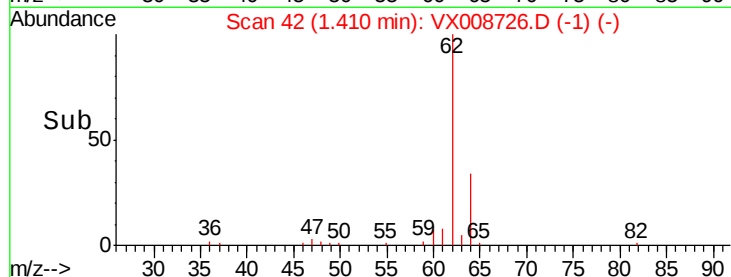
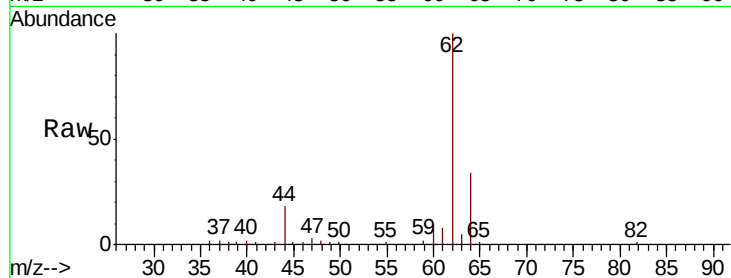
ST008MW157-190404

Tot Ion: 62 Resp: 12105

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1



#5

Bromomethane

Concen: 2.218 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX008726.D

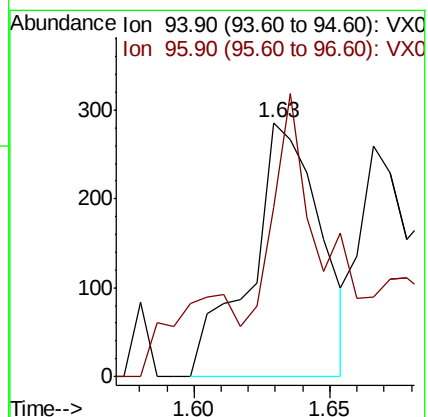
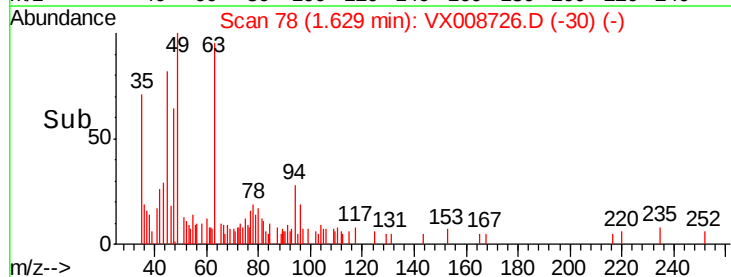
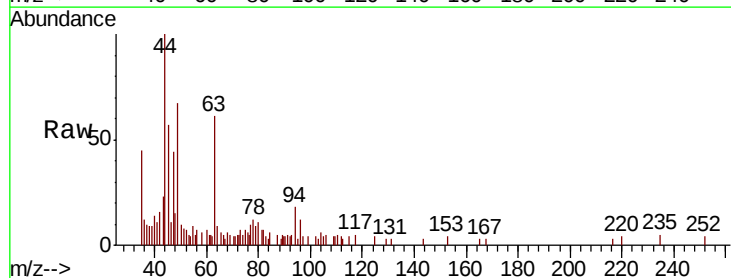
Acq: 06 Apr 2019 17:25

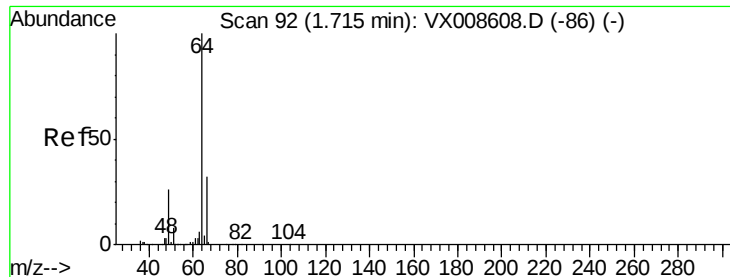
Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

94 100

96 38.1 75.2 112.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

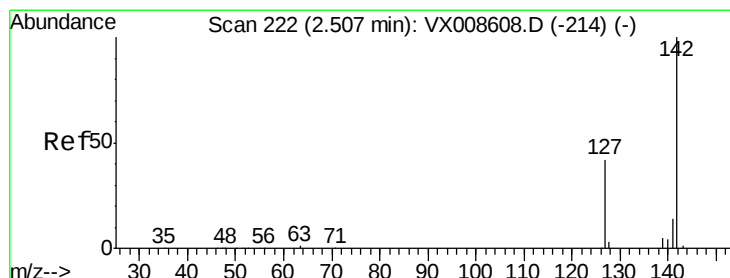
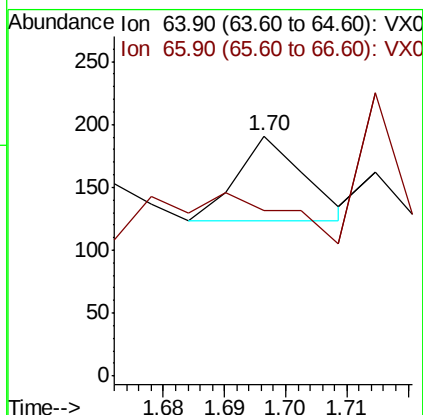
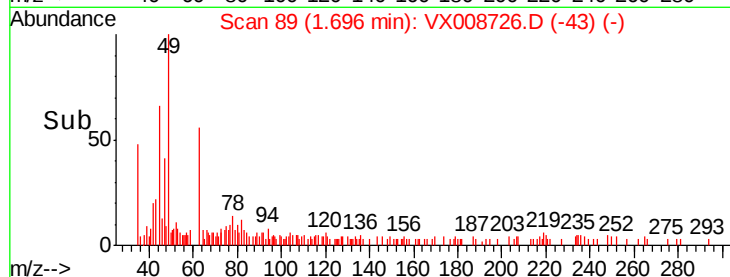
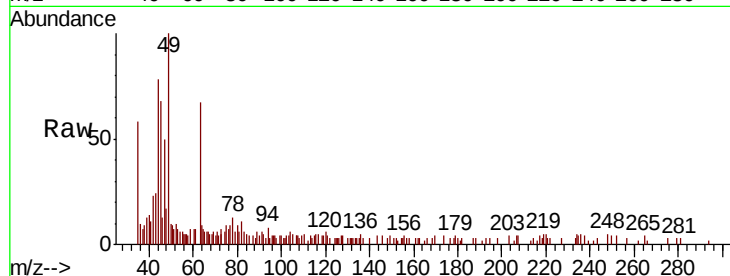
ST008MW157-190404

Tot Ion: 64 Resp: 52

Ion Ratio Lower Upper

64 100

66 39.7 25.4 38.0#



#10

Methyl Iodide

Concen: 4.051 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

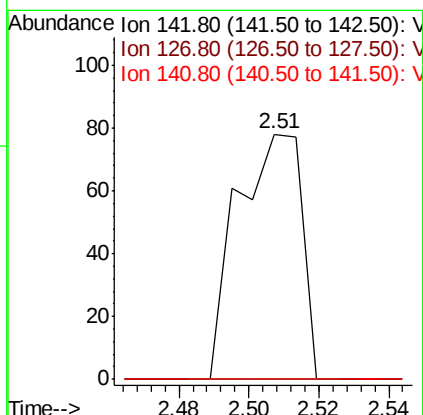
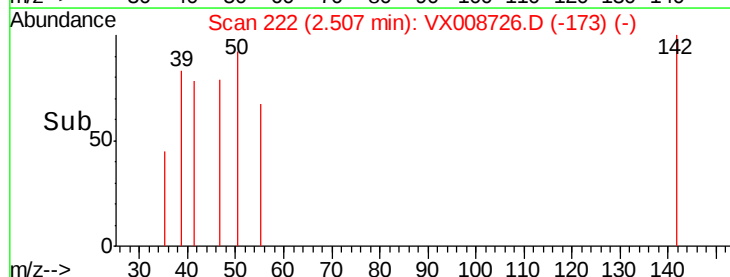
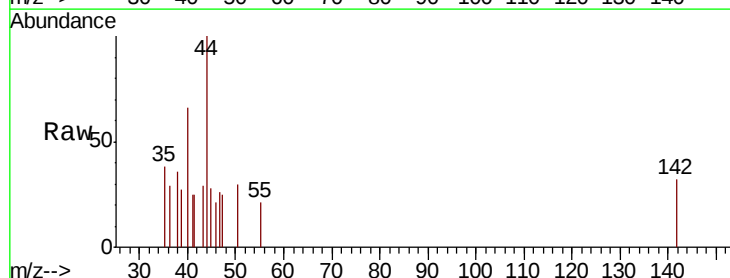
Tgt Ion: 142 Resp: 100

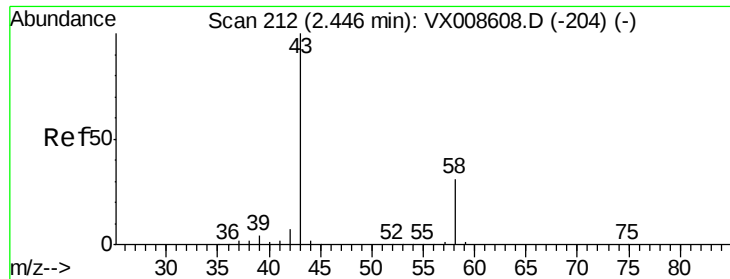
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

141 0.0 11.4 17.2#





#16

Acetone

Concen: 0.577 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

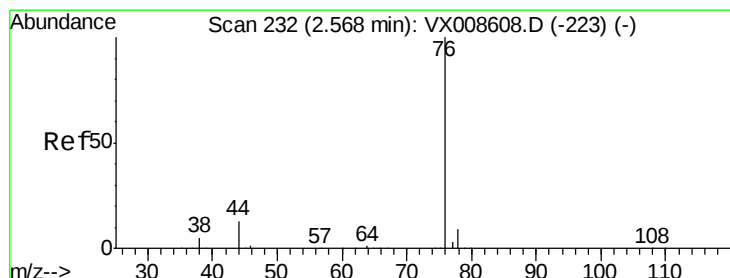
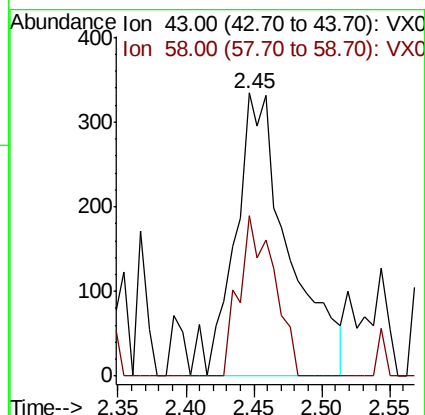
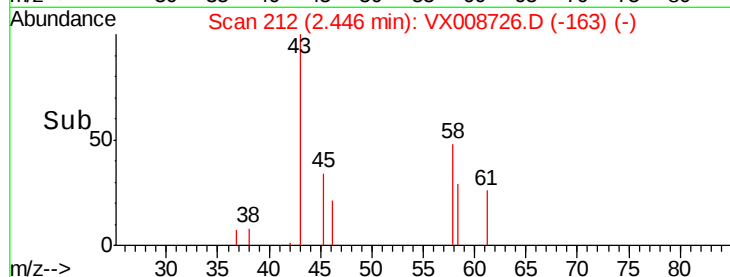
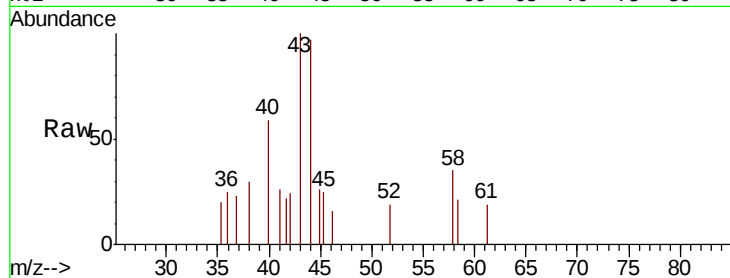
ST008MW157-190404

Tot Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

58 56.6 24.8 37.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX008726.D

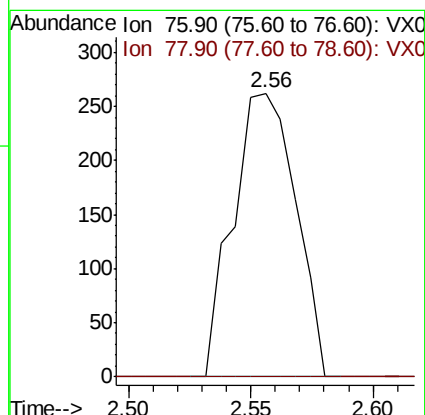
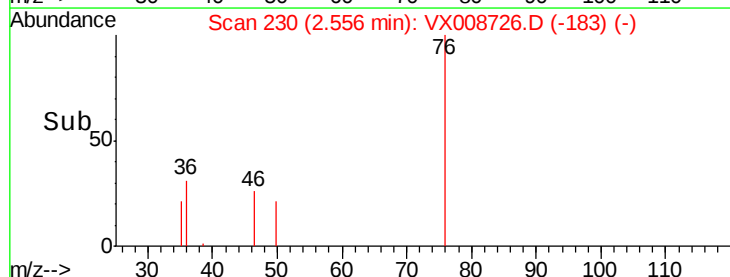
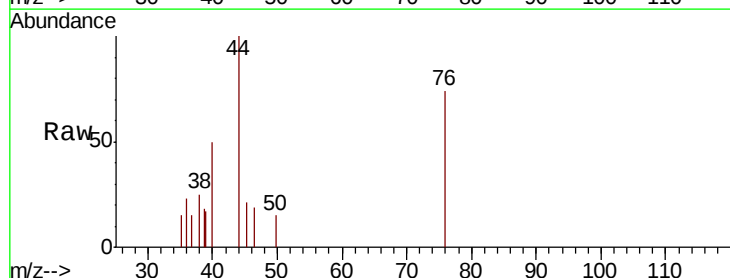
Acq: 06 Apr 2019 17:25

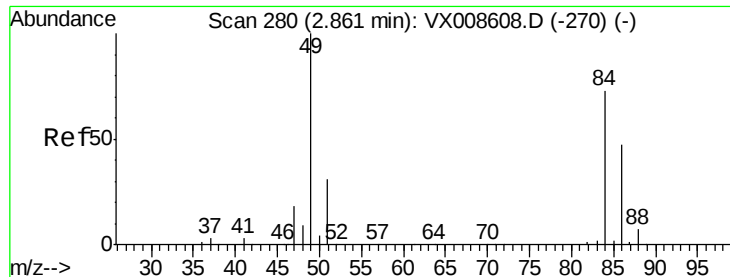
Tgt Ion: 76 Resp: 466

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#20

Methylene Chloride

Concen: 0.240 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

Tot Ion: 84 Resp: 643

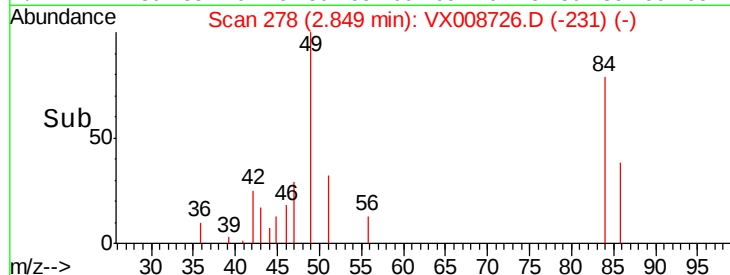
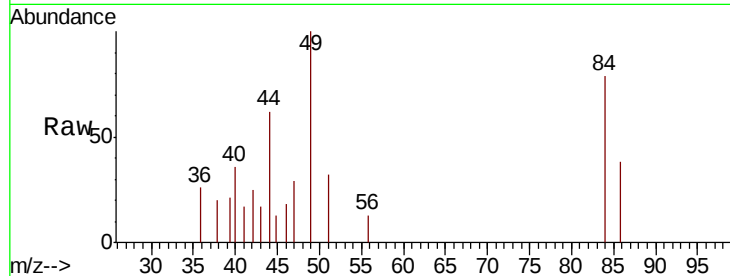
Ion Ratio Lower Upper

84 100

49 106.5 109.7 164.5#

51 40.5 33.6 50.4

86 48.5 51.4 77.2#

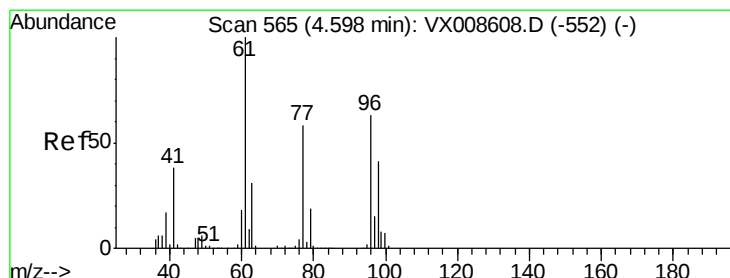
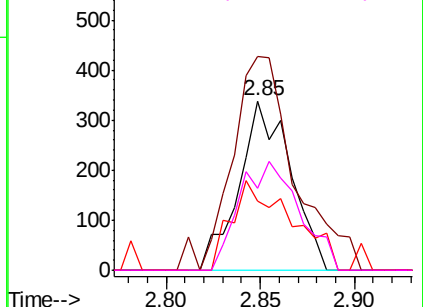


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.743 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

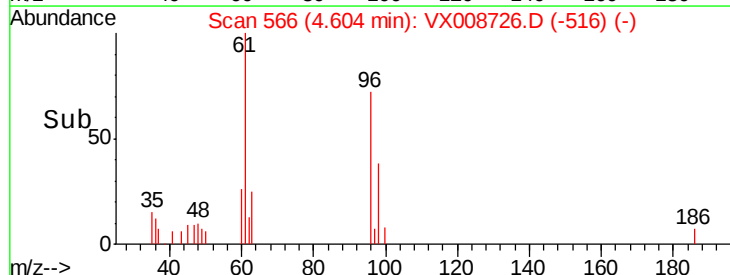
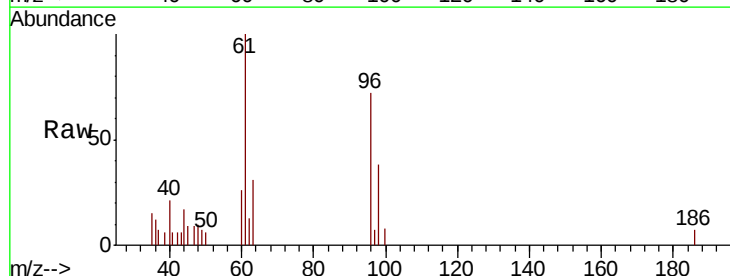
Tgt Ion: 96 Resp: 2037

Ion Ratio Lower Upper

96 100

61 154.1 0.0 327.6

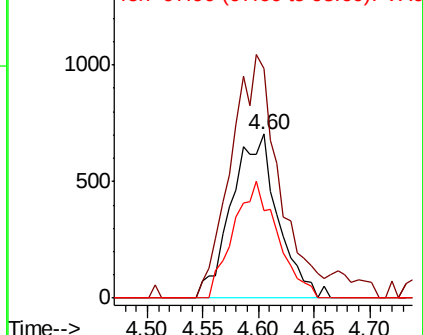
98 67.4 0.0 128.6

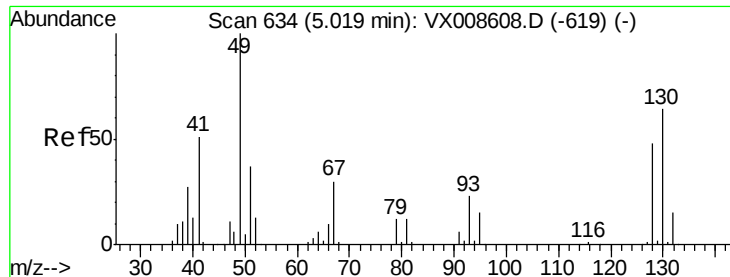


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

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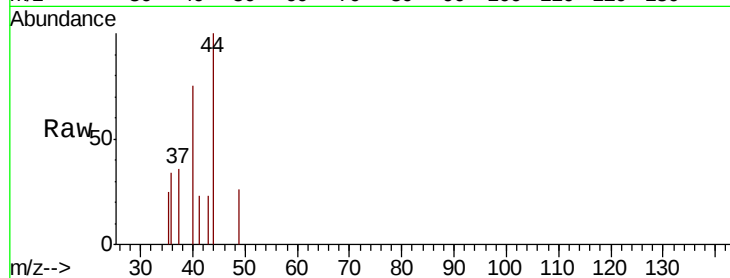
Tot Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

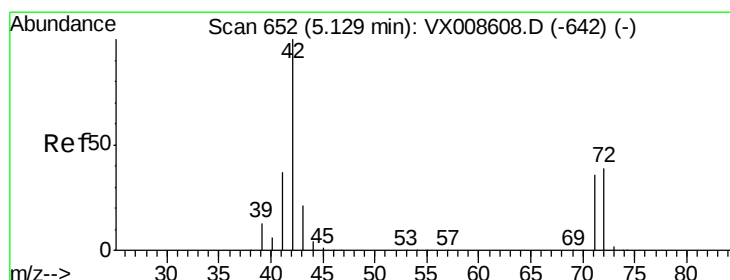
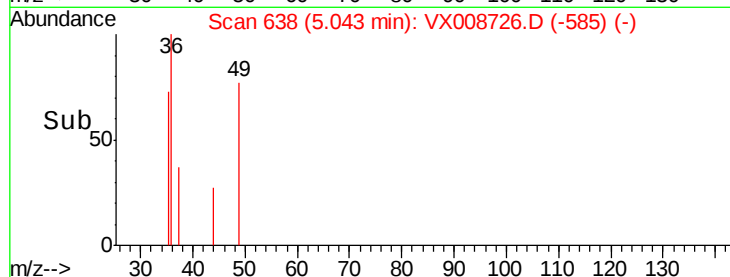
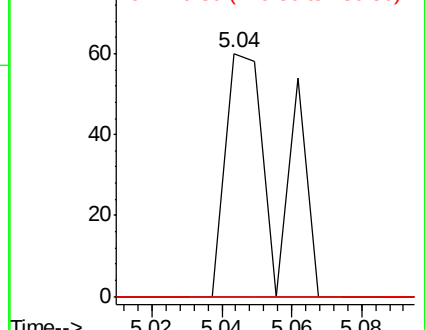
130 0.0 49.3 73.9#



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: 0.275 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

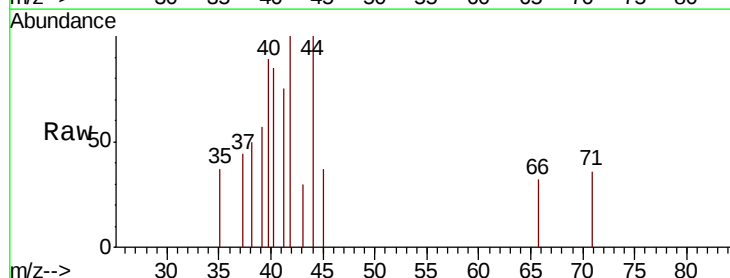
Tgt Ion: 42 Resp: 463

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

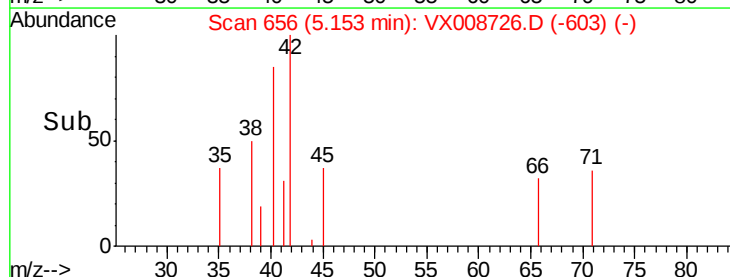
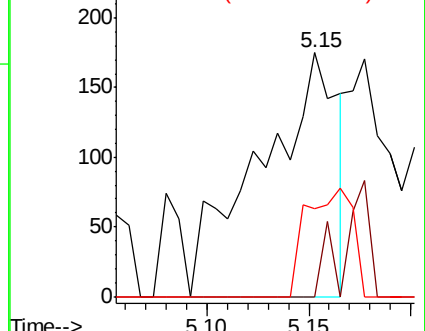
71 26.6 28.6 43.0#

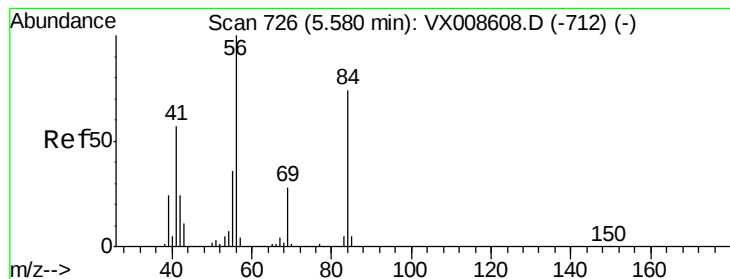


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.917 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

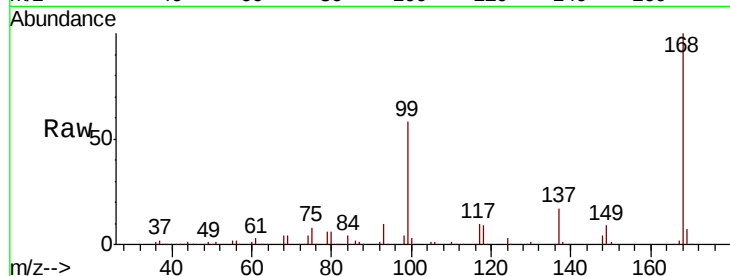
Tot Ion: 56 Resp: 4406

Ion Ratio Lower Upper

56 100

69 155.7 22.6 33.8#

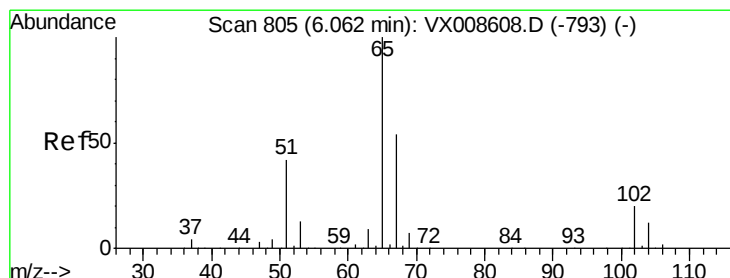
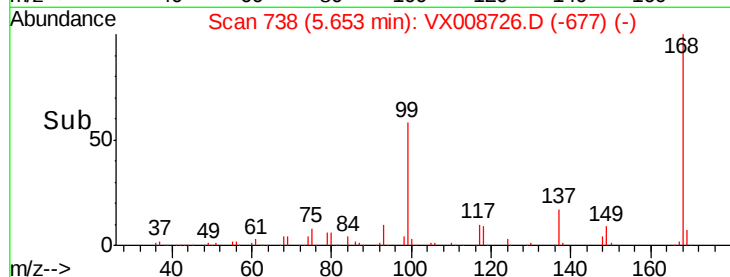
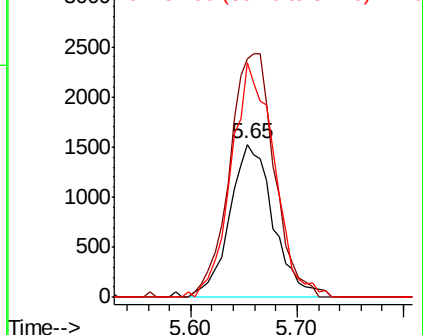
84 153.1 59.3 88.9#



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: 46.883 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008726.D

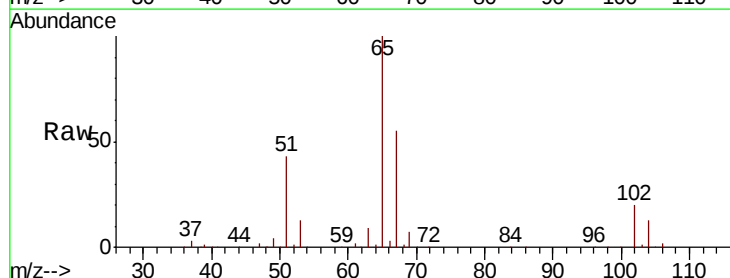
Acq: 06 Apr 2019 17:25

Tgt Ion: 65 Resp: 130430

Ion Ratio Lower Upper

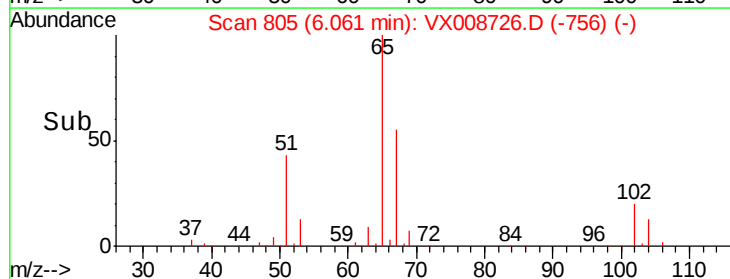
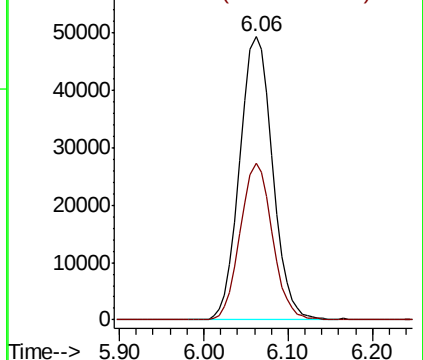
65 100

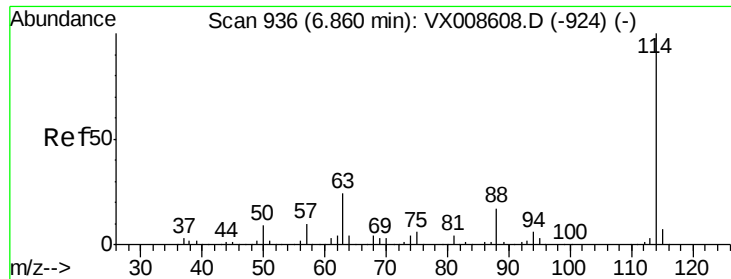
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

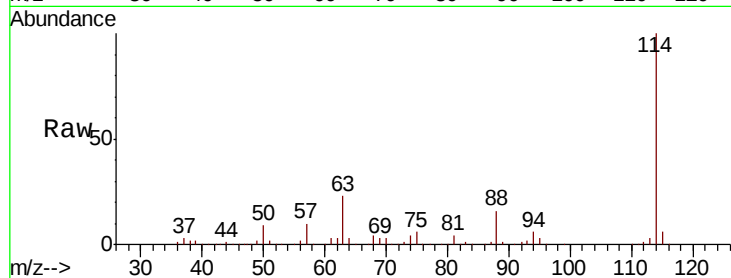




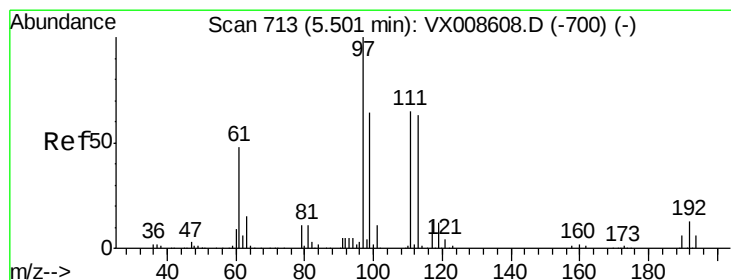
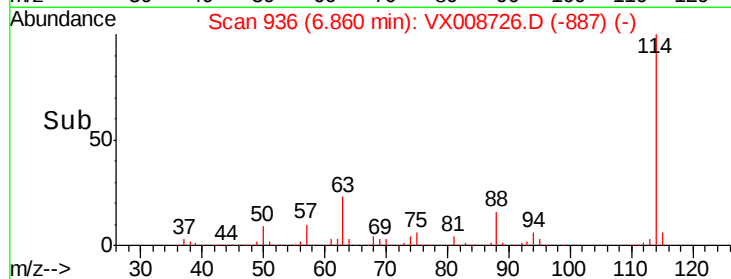
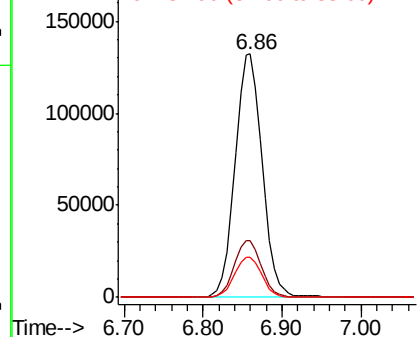
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008726.D
Acq: 06 Apr 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-190404

Tot Ion:114 Resp: 316202
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.2
88 16.4 0.0 34.0

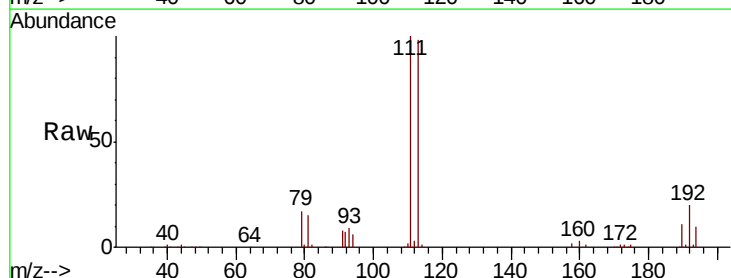


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

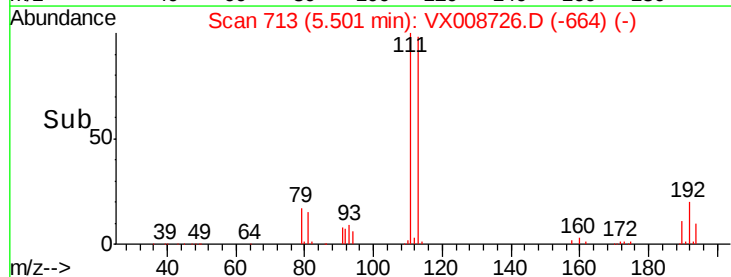
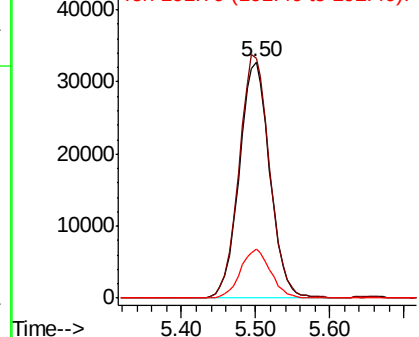


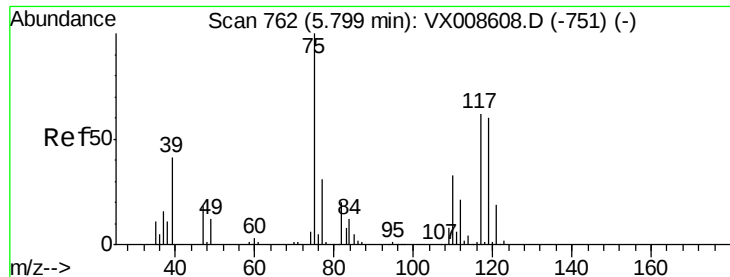
#35
Dibromofluoromethane
Concen: 46.579 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008726.D
Acq: 06 Apr 2019 17:25

Tgt Ion:113 Resp: 94168
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 20.6 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

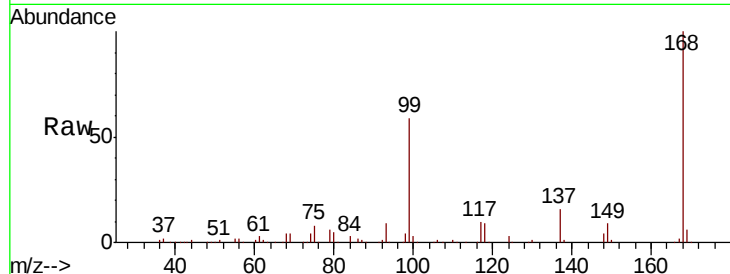




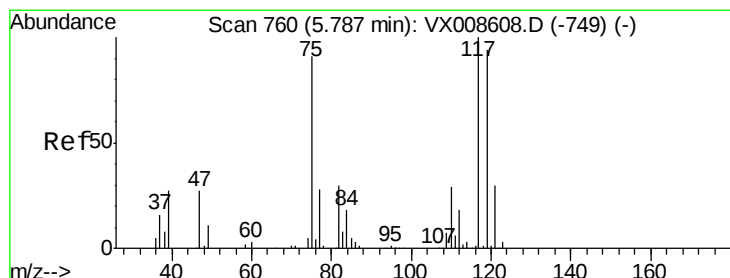
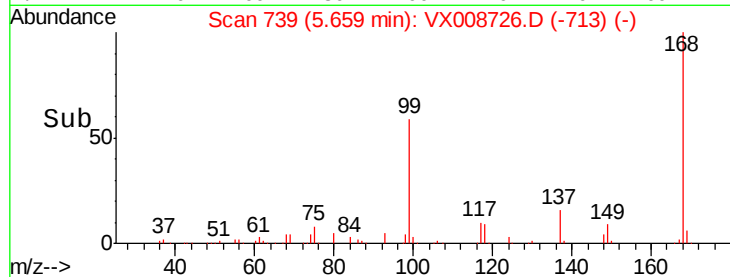
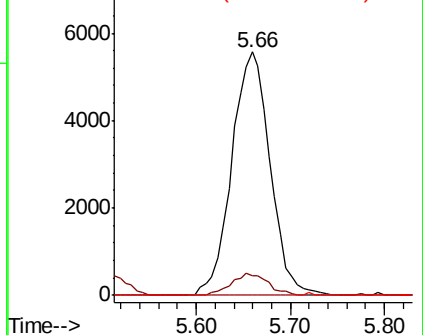
#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008726.D
 Acq: 06 Apr 2019 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-190404

Tot Ion	75	Resp	15787
Ion Ratio	100	Lower	Upper
110	8.6	16.4	49.2#
77	0.0	24.7	37.1#

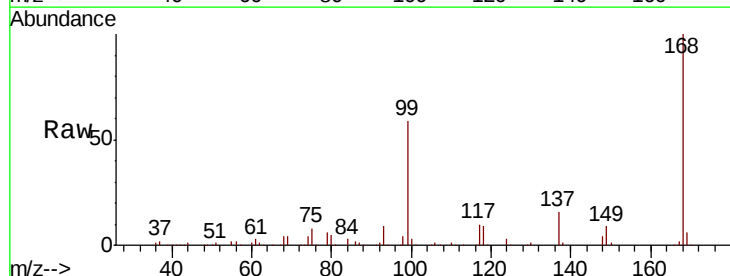


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

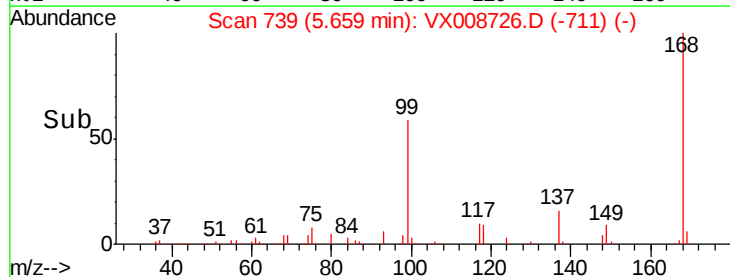
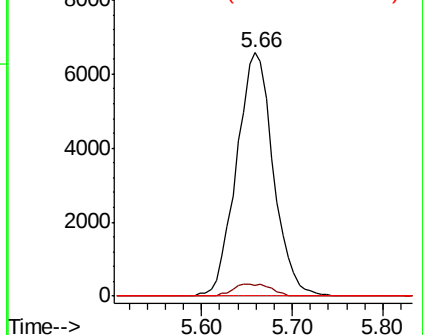


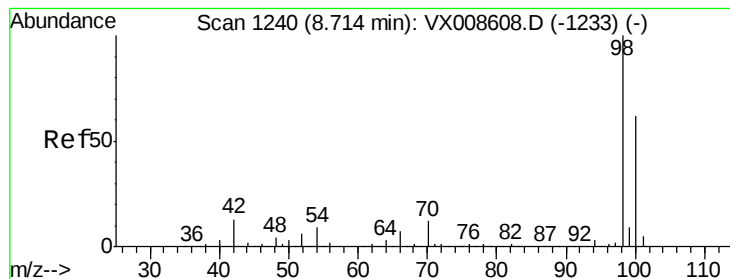
#38
 Carbon Tetrachloride
 Concen: 6.469 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008726.D
 Acq: 06 Apr 2019 17:25

Tgt Ion	117	Resp	18507
Ion Ratio	100	Lower	Upper
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





#50

Toluene-d8

Concen: 49.353 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

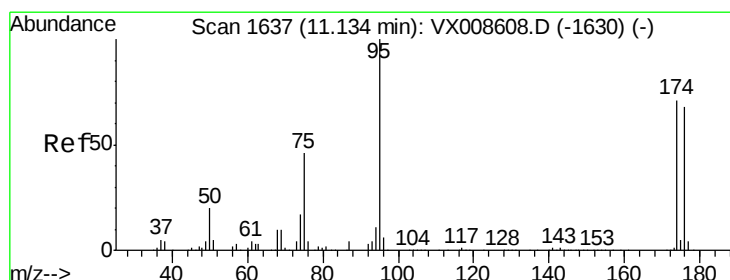
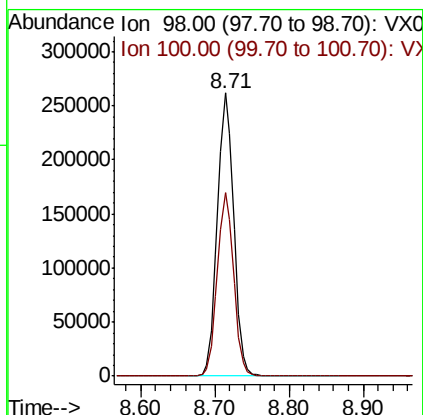
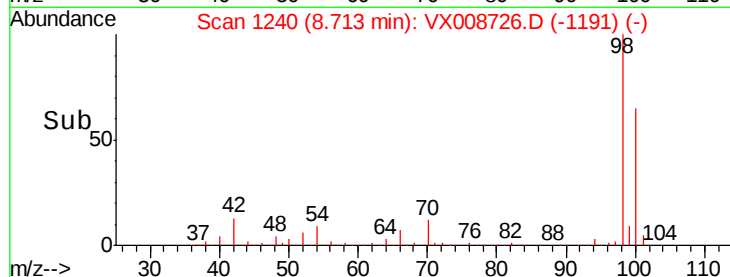
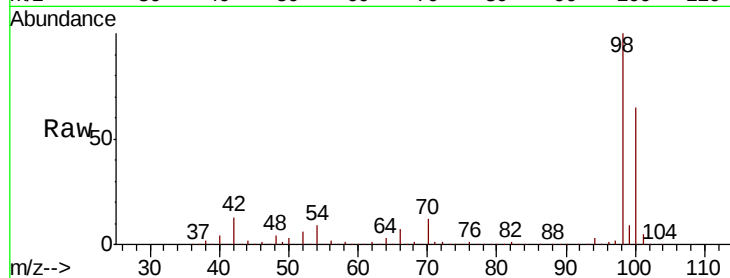
ST008MW157-190404

Tot Ion: 98 Resp: 397282

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 45.888 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

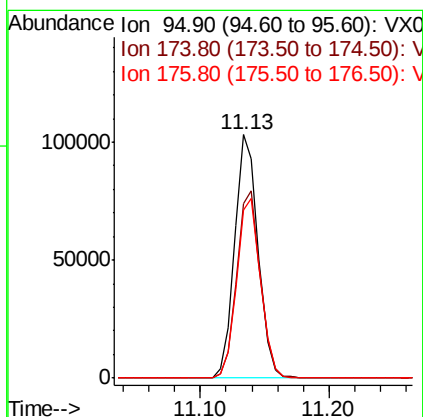
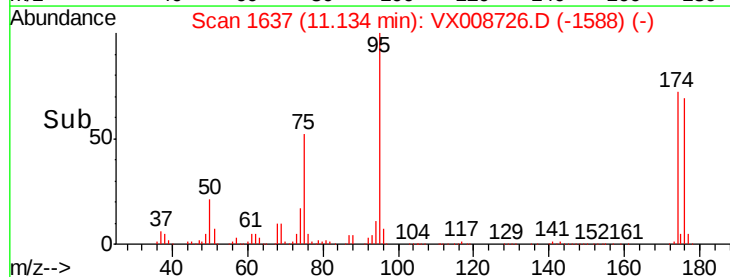
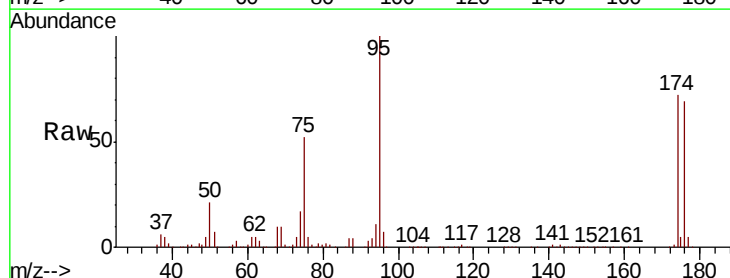
Tgt Ion: 95 Resp: 130991

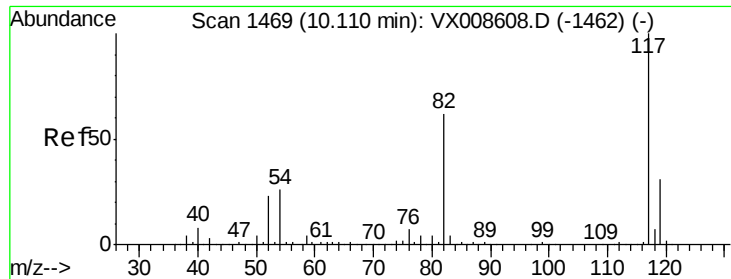
Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.8

176 75.0 0.0 145.8

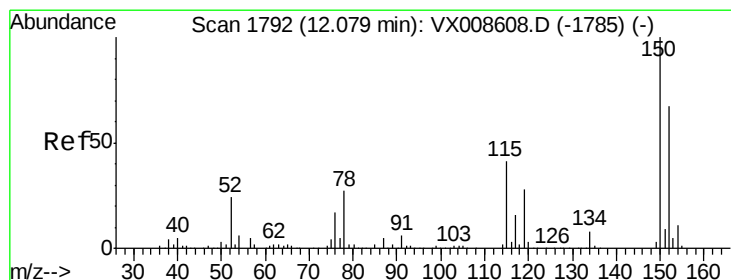
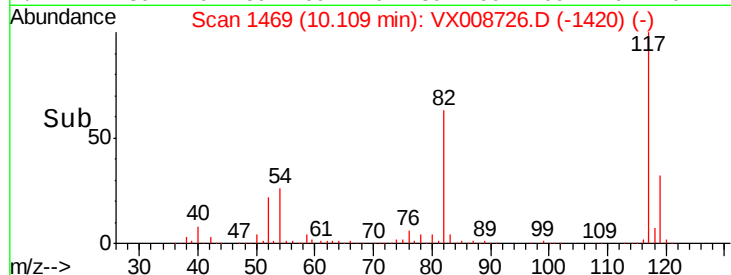
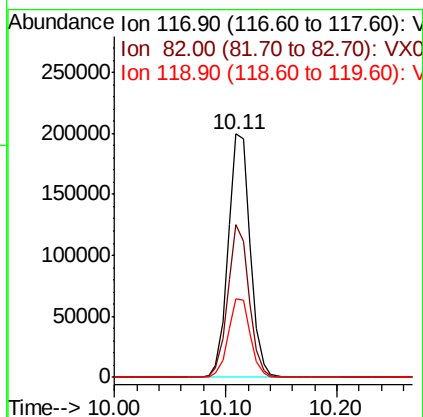
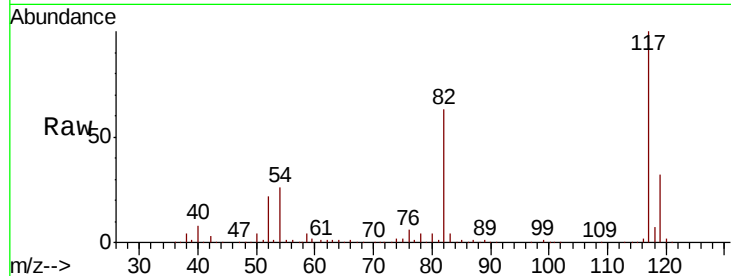




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008726.D
Acq: 06 Apr 2019 17:25

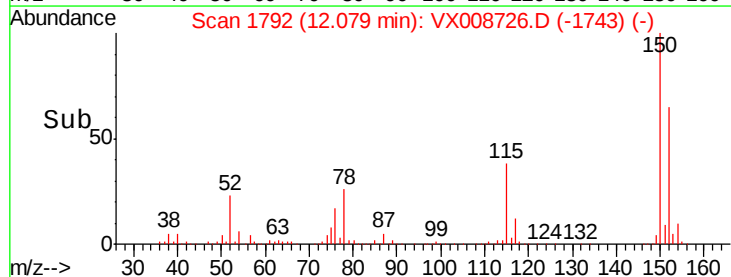
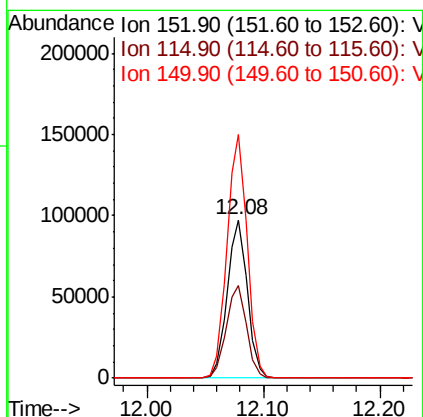
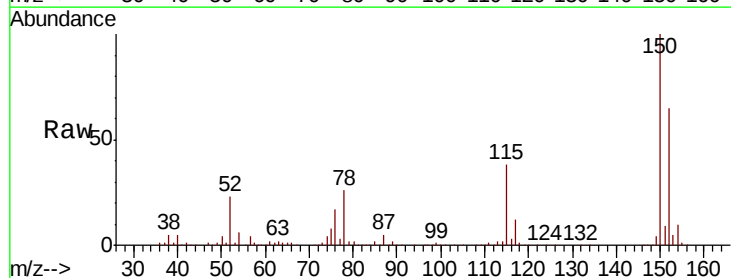
Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-190404

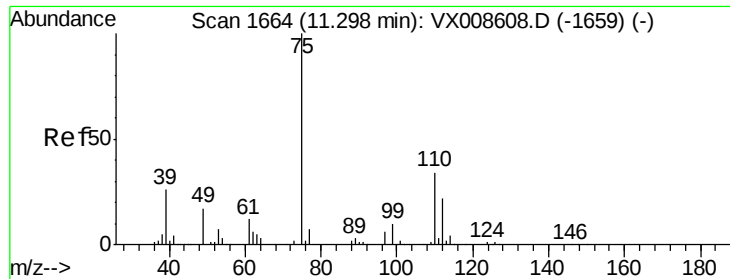
Tot Ion:117 Resp: 272261
Ion Ratio Lower Upper
117 100
82 62.5 49.6 74.4
119 32.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008726.D
Acq: 06 Apr 2019 17:25

Tgt Ion:152 Resp: 116410
Ion Ratio Lower Upper
152 100
115 59.2 43.5 130.5
150 155.4 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 20.781 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

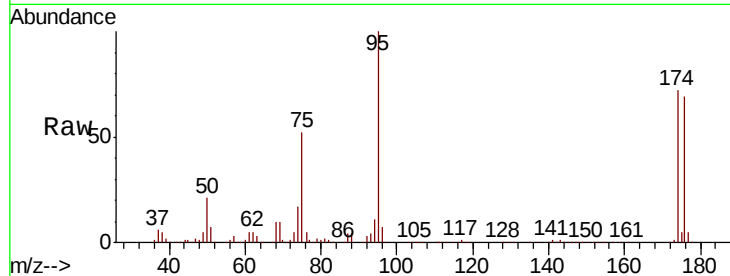
ST008MW157-190404

Tot Ion: 75 Resp: 66454

Ion Ratio Lower Upper

75 100

77 1.5 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

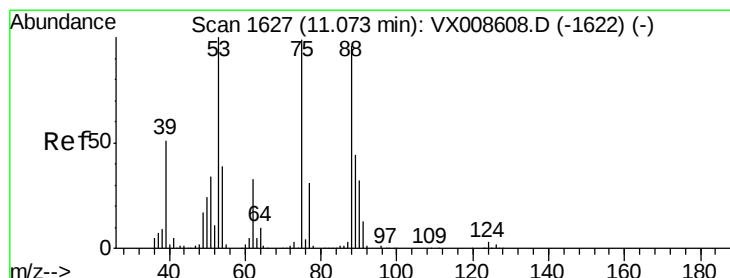
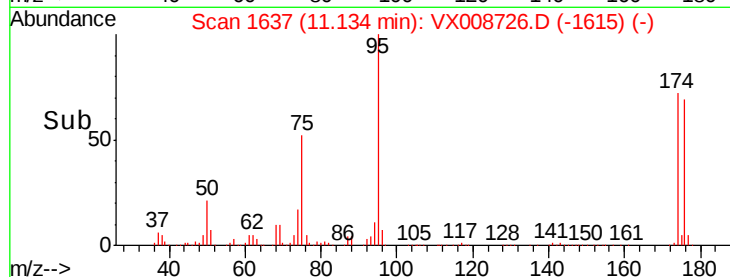
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 57.283 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008726.D

Acq: 06 Apr 2019 17:25

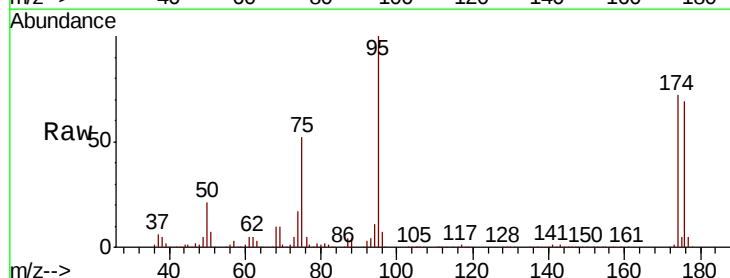
Tgt Ion: 75 Resp: 66454

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

60000

40000

20000

0

Time-->

11.10 11.20

