

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008661.D
 Acq On : 05 Apr 2019 01:49
 Operator : JC/SP
 Sample : K2274-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW081-190403

Quant Time: Apr 05 07:14:14 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	212028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124834	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	147262	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	5.50	113	107695	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	442657	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	148801	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

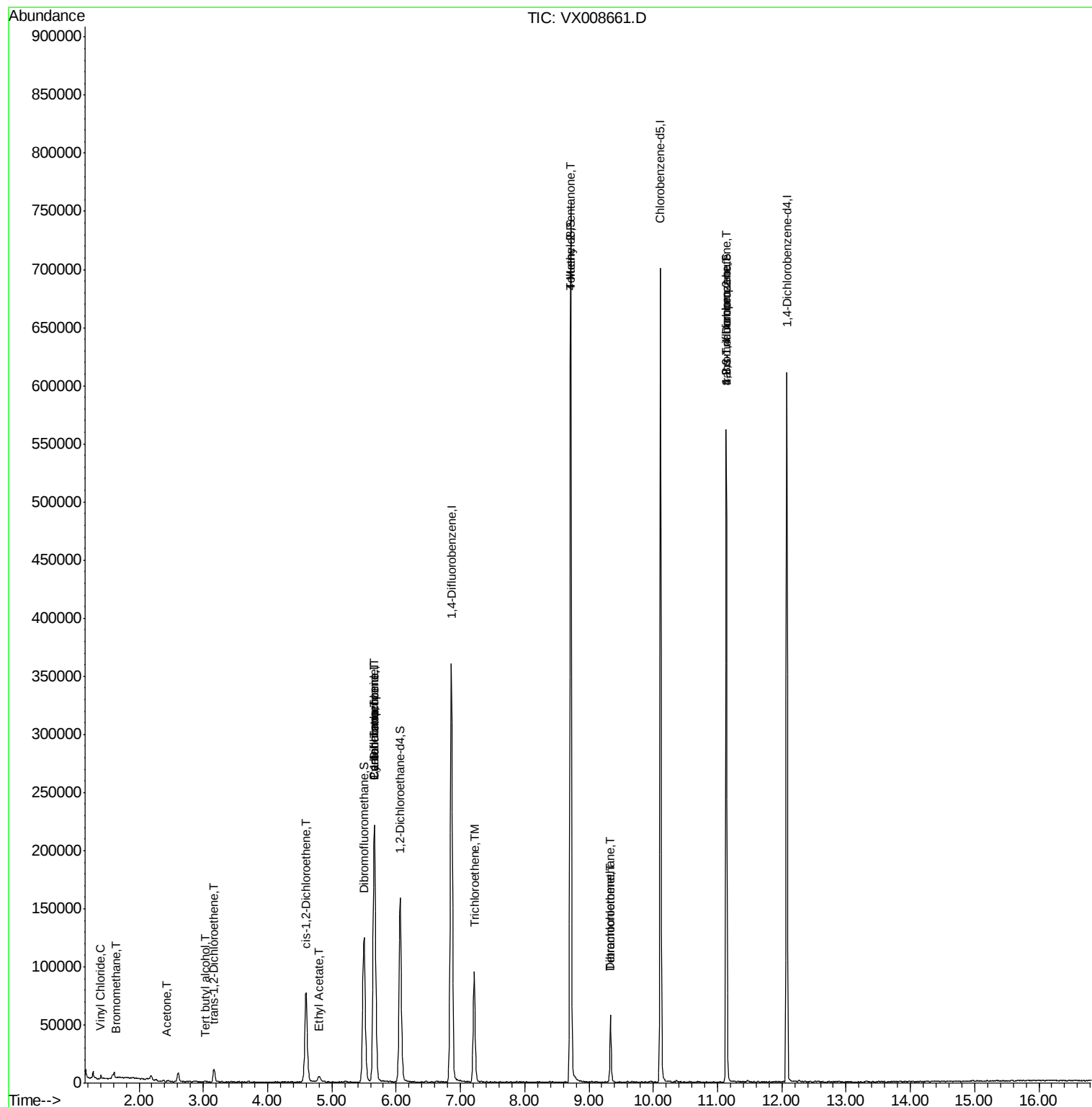
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	520	Below Cal	#	76
4) Vinyl Chloride	1.41	62	1726	0.523	ug/l #	82
5) Bromomethane	1.64	94	413	2.130	ug/l #	61
6) Chloroethane	1.76	64	73	Below Cal	#	81
11) Tert butyl alcohol	3.03	59	230	0.318	ug/l #	72
16) Acetone	2.44	43	1257	0.706	ug/l #	78
17) Carbon Disulfide	2.57	76	617	Below Cal	#	56
21) trans-1,2-Dichloroethene	3.17	96	4403	1.661	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	48875	16.033	ug/l	88
28) Bromochloromethane	5.01	49	22	Below Cal	#	22
31) Cyclohexane	5.67	56	4557	0.853	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17712	4.565	ug/l #	50
37) Ethyl Acetate	4.80	43	1321	0.255	ug/l #	70
38) Carbon Tetrachloride	5.66	117	20681	6.440	ug/l #	17
44) Trichloroethene	7.21	130	36168	13.435	ug/l	99
51) 4-Methyl-2-Pentanone	8.71	43	2403	0.460	ug/l #	1
60) Dibromochloromethane	9.34	129	10674	4.141	ug/l #	11
64) Tetrachloroethene	9.34	164	10964	4.845	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	74593	21.752	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74593	59.959	ug/l #	9

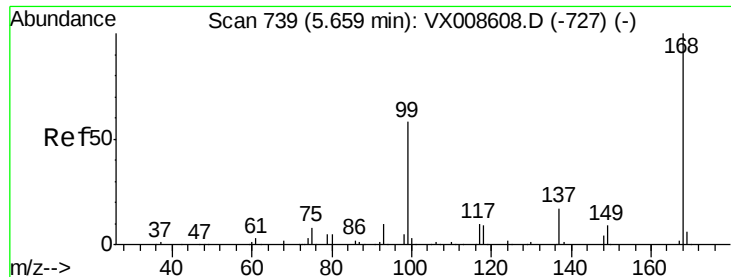
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

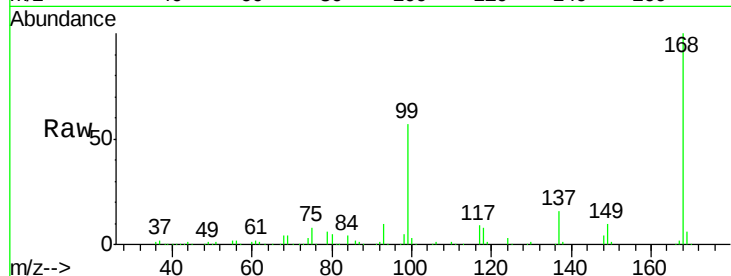
ST006MW081-190403

Tgt Ion:168 Resp: 212028

Ion Ratio Lower Upper

168 100

99 56.6 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

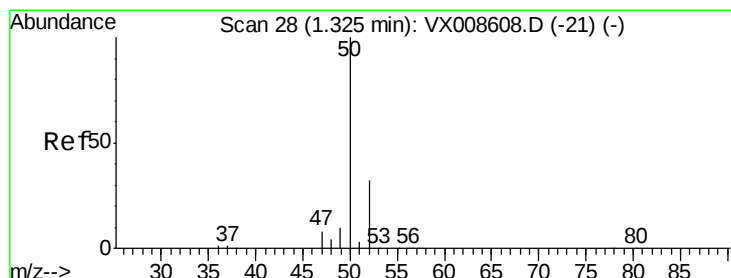
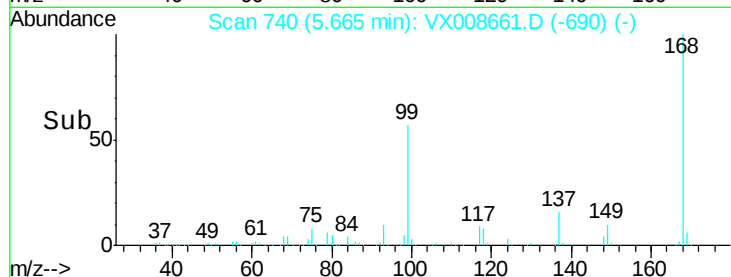
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008661.D

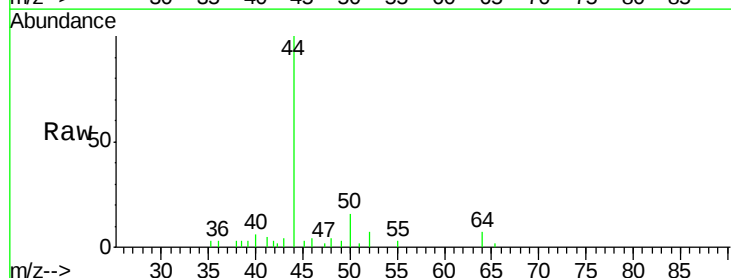
Acq: 05 Apr 2019 01:49

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

50 100

52 45.9 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

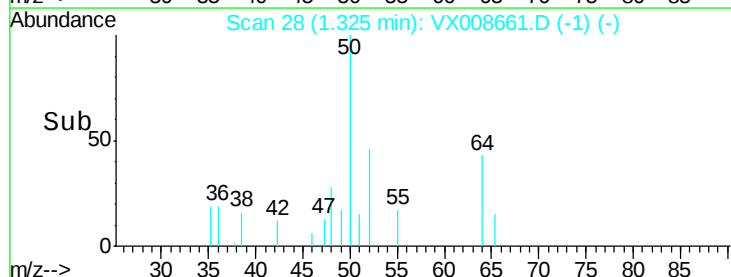
200

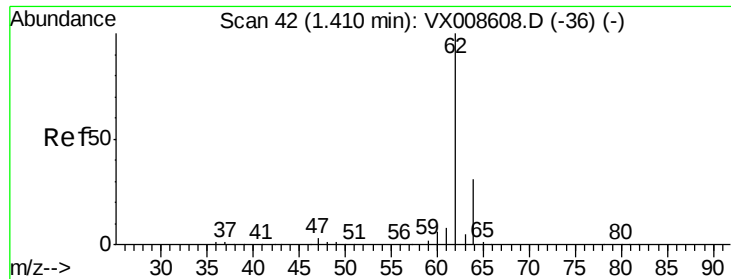
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.523 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

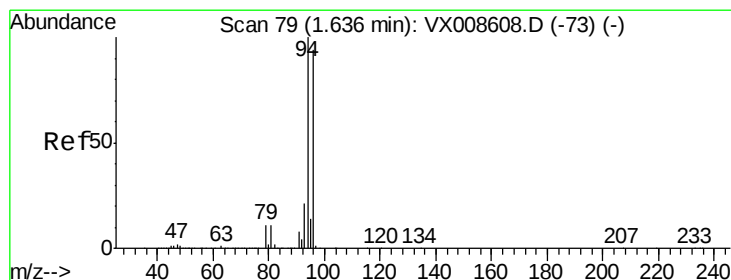
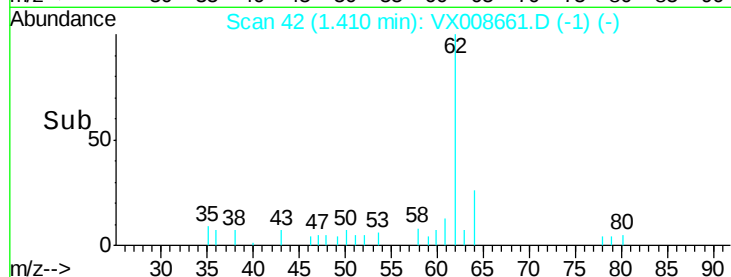
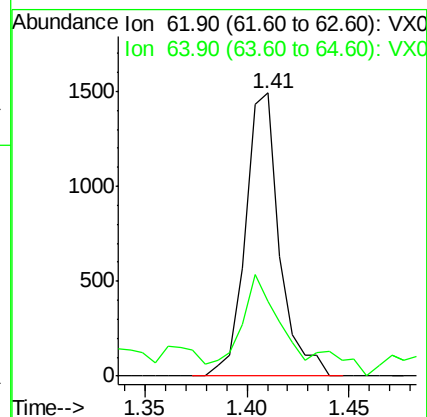
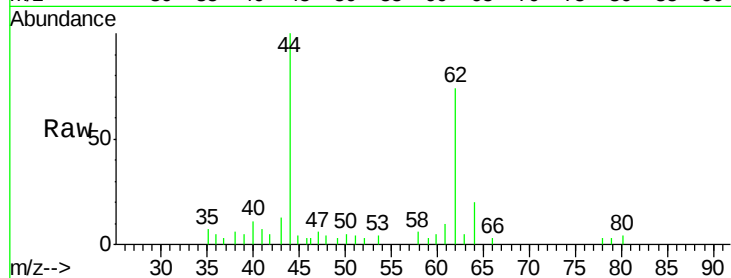
ST006MW081-190403

Tgt Ion: 62 Resp: 1726

Ion Ratio Lower Upper

62 100

64 20.8 24.7 37.1#



#5

Bromomethane

Concen: 2.130 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008661.D

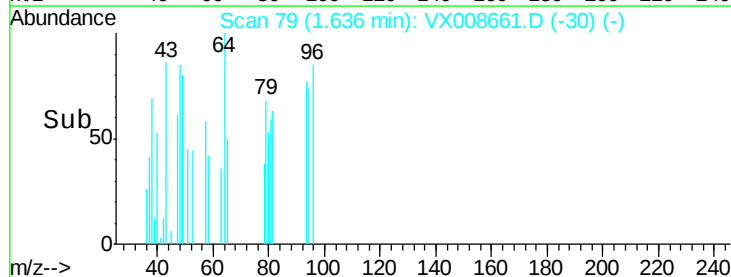
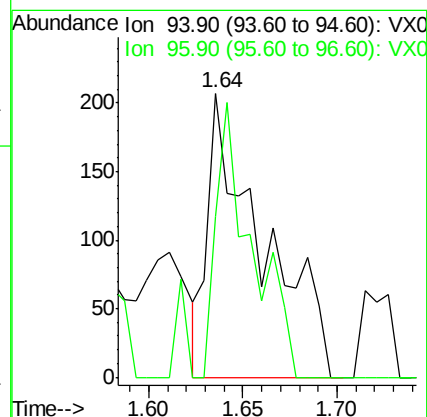
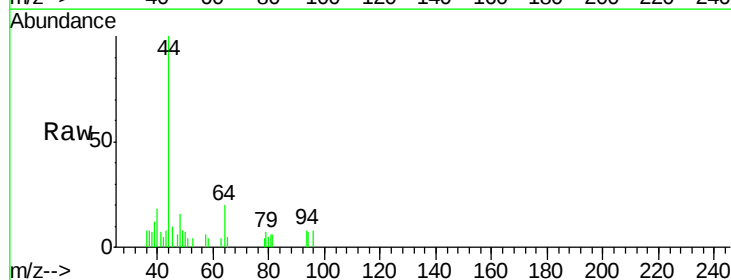
Acq: 05 Apr 2019 01:49

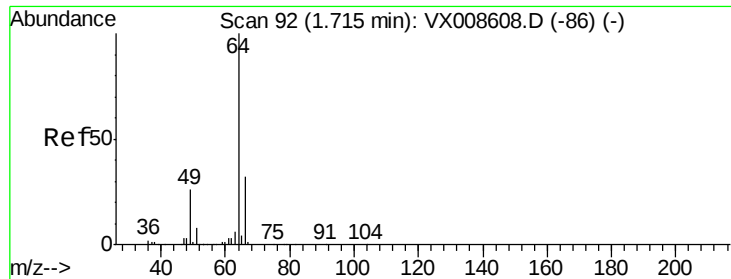
Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 56.5 75.2 112.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 100

Delta R.T. 0.05 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

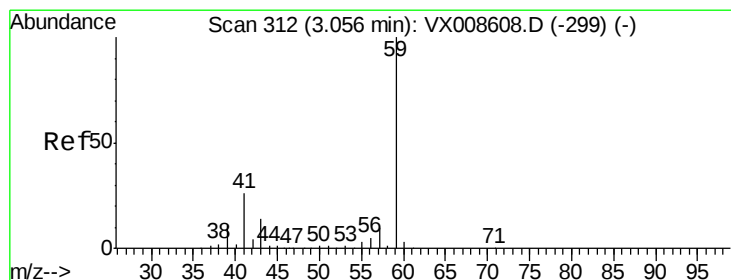
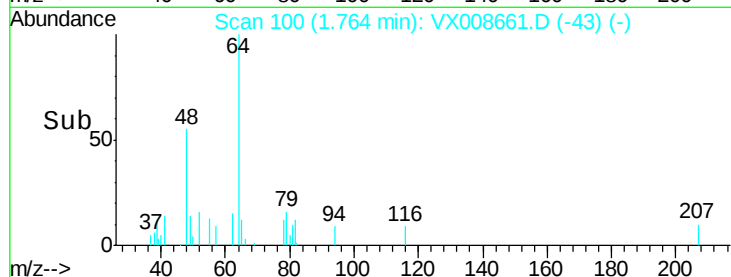
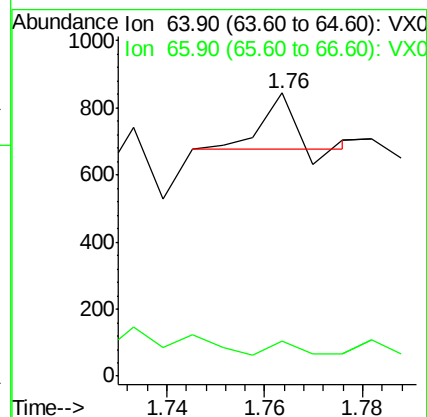
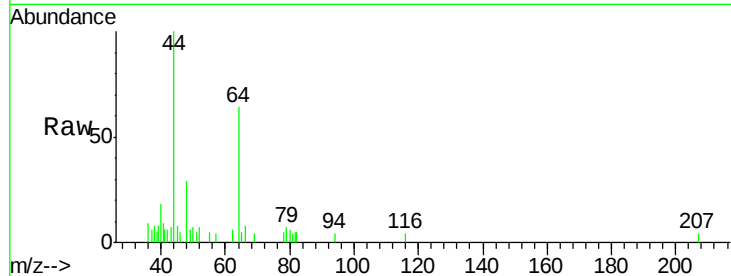
ST006MW081-190403

Tgt Ion: 64 Resp: 73

Ion Ratio Lower Upper

64 100

66 21.4 25.4 38.0#



#11

Tert butyl alcohol

Concen: 0.318 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008661.D

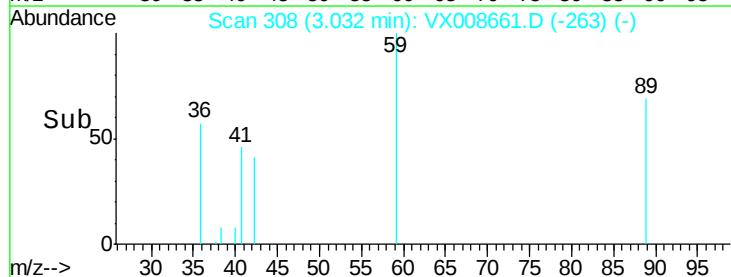
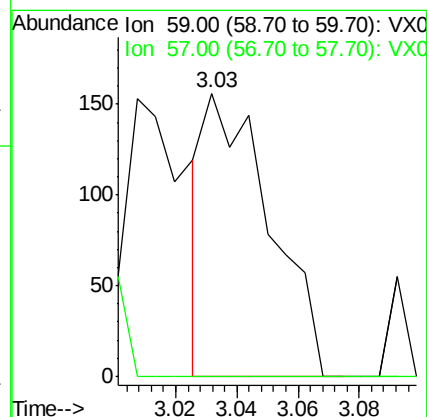
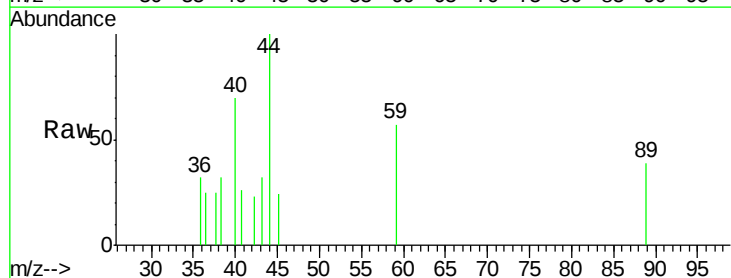
Acq: 05 Apr 2019 01:49

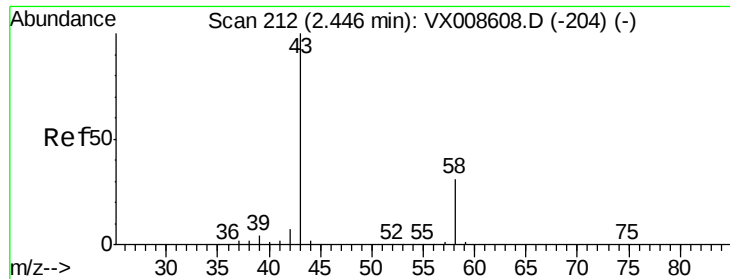
Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.706 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

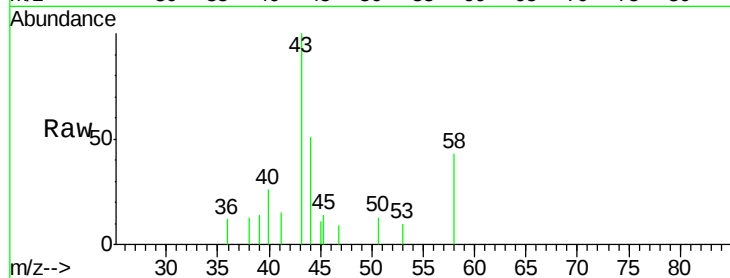
ST006MW081-190403

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

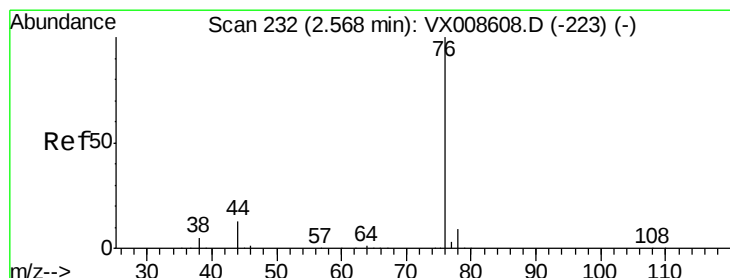
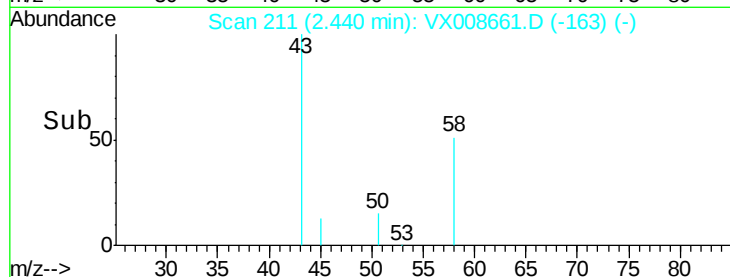
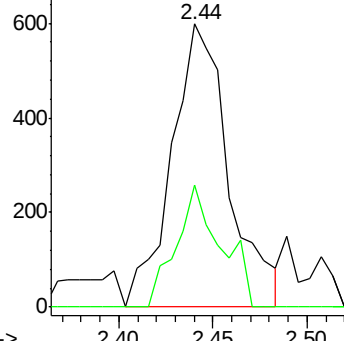
43 100

58 43.3 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: VX008661.D

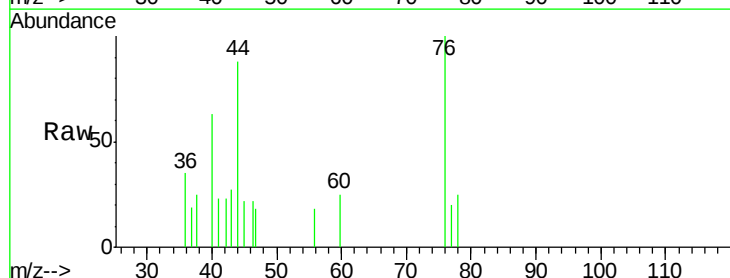
Acq: 05 Apr 2019 01:49

Tgt Ion: 76 Resp: 617

Ion Ratio Lower Upper

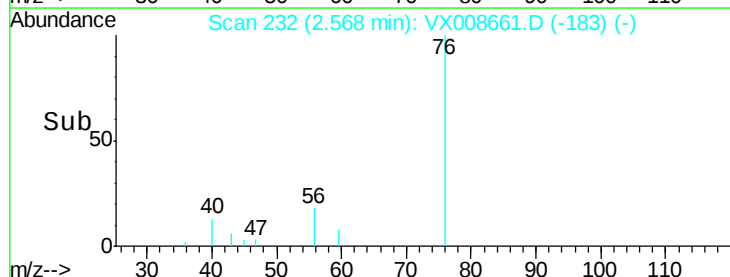
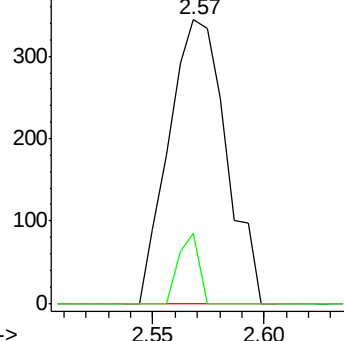
76 100

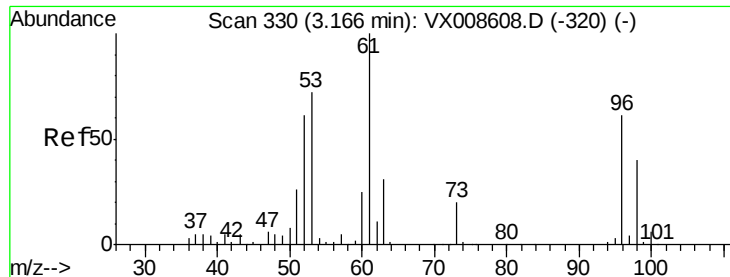
78 24.7 7.1 10.7#



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: 1.661 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

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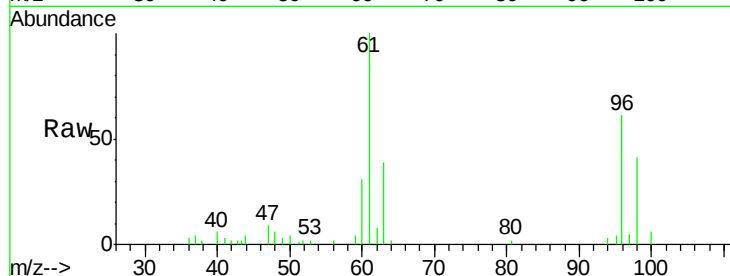
Tgt Ion: 96 Resp: 4403

Ion Ratio Lower Upper

96 100

61 163.4 132.1 198.1

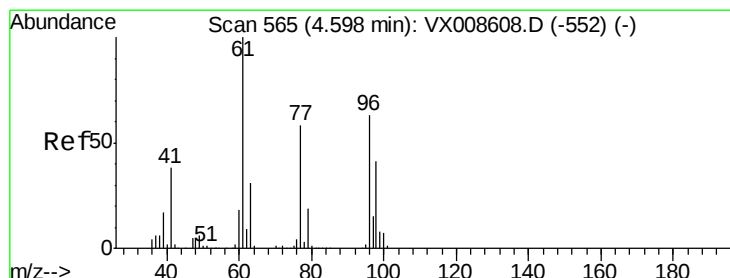
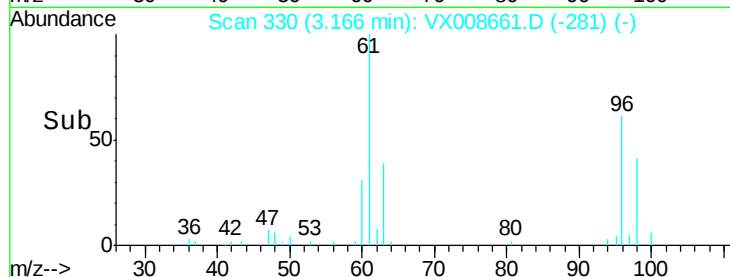
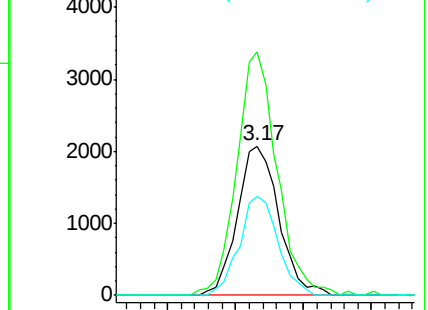
98 66.8 52.2 78.2



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: 16.033 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

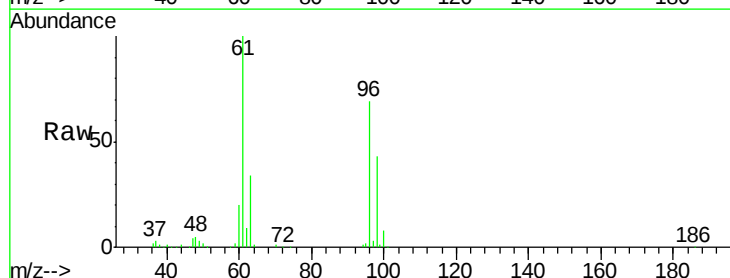
Tgt Ion: 96 Resp: 48875

Ion Ratio Lower Upper

96 100

61 142.6 0.0 327.6

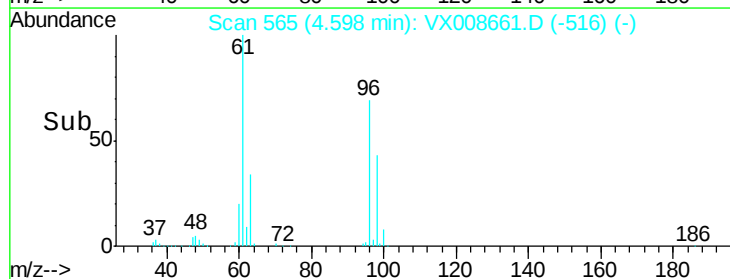
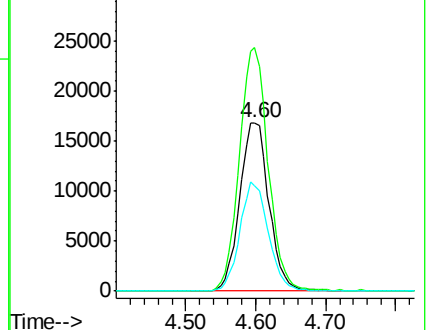
98 63.4 0.0 128.6

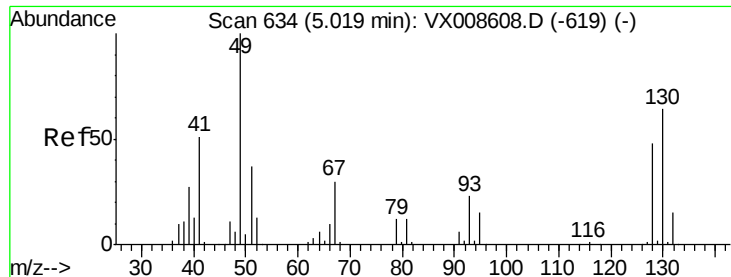


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

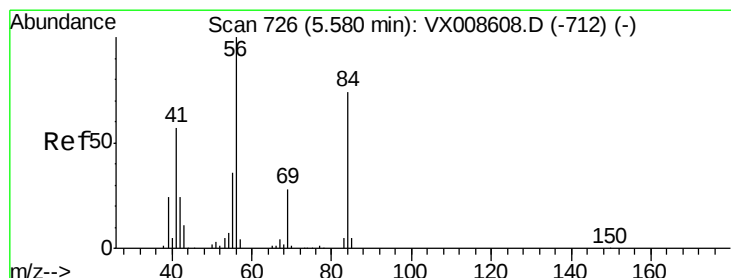
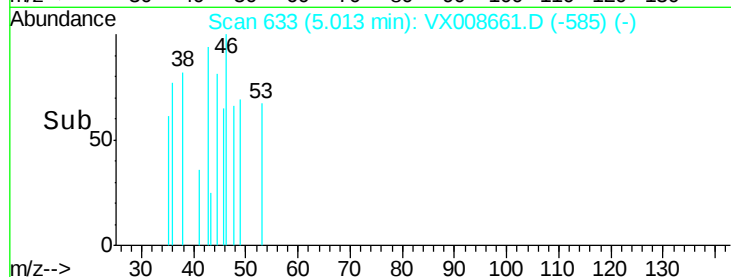
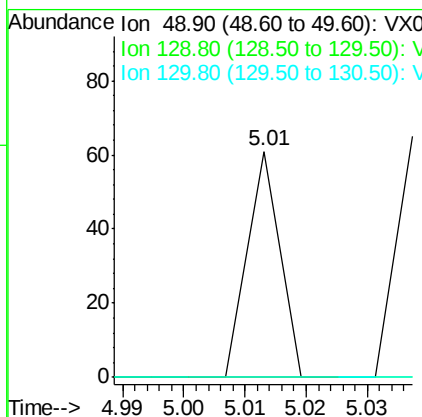
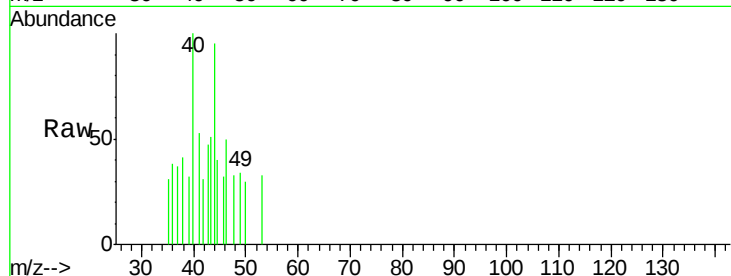
Delta R.T. -0.01 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

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ClientSampleId :
ST006MW081-190403

Tgt Ion:	49	Resp:	22
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#



#31

Cyclohexane

Concen: 0.853 ug/l

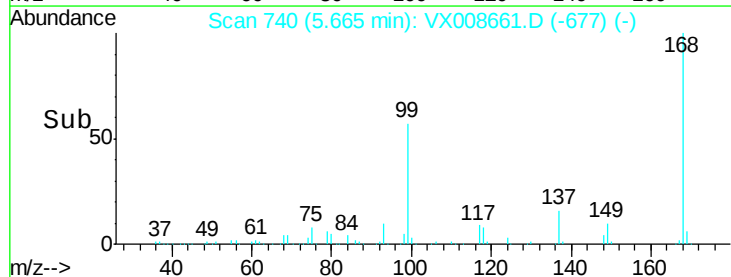
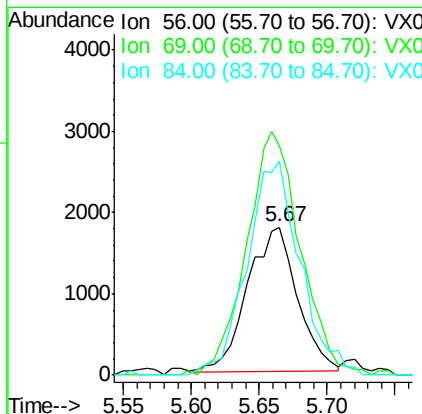
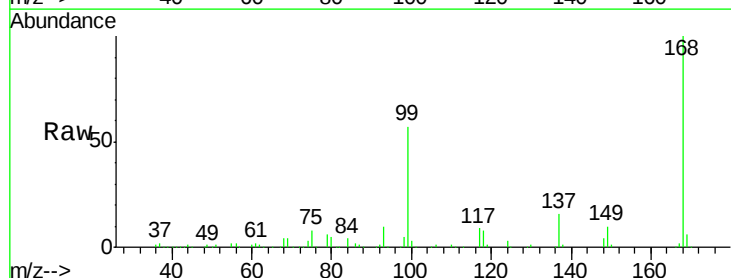
RT: 5.67 min Scan# 740

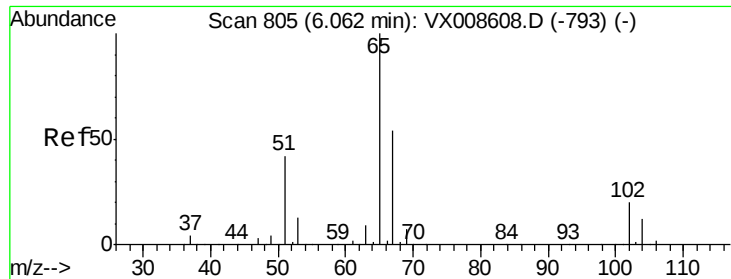
Delta R.T. 0.09 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Tgt Ion:	56	Resp:	4557
Ion	Ratio	Lower	Upper
56	100		
69	157.1	22.6	33.8#
84	149.8	59.3	88.9#





#33

1,2-Dichloroethane-d4

Concen: 47.618 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

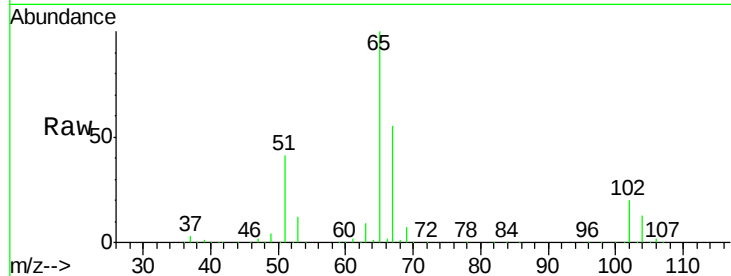
ST006MW081-190403

Tgt Ion: 65 Resp: 147262

Ion Ratio Lower Upper

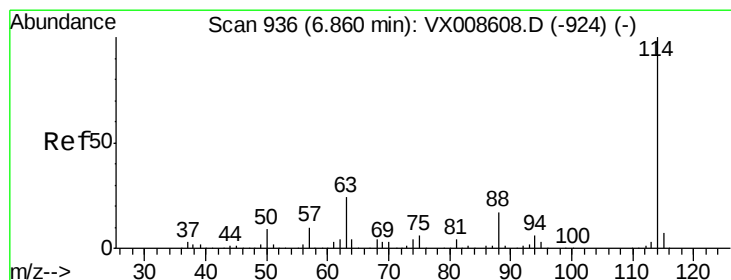
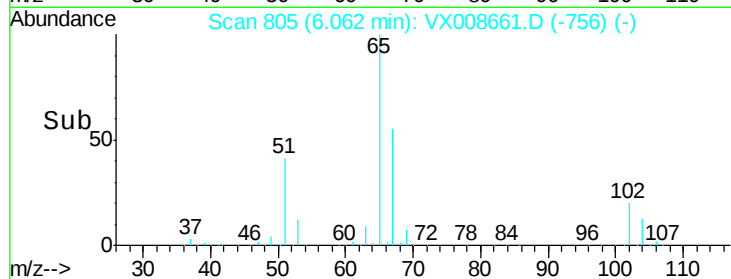
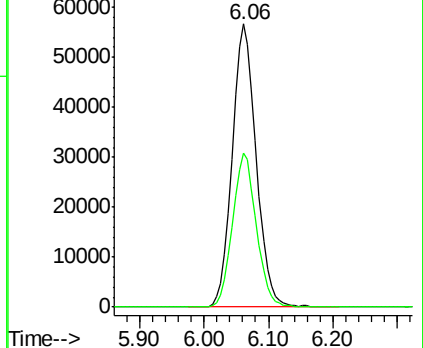
65 100

67 54.1 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: VX008661.D

Acq: 05 Apr 2019 01:49

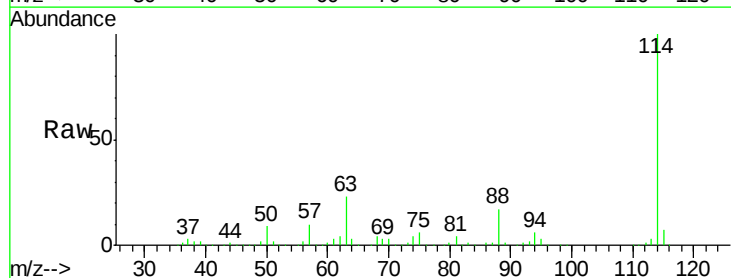
Tgt Ion: 114 Resp: 354954

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

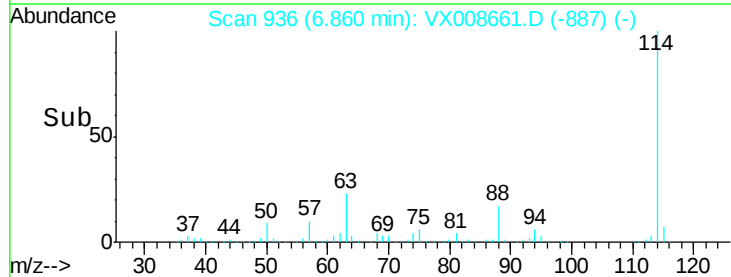
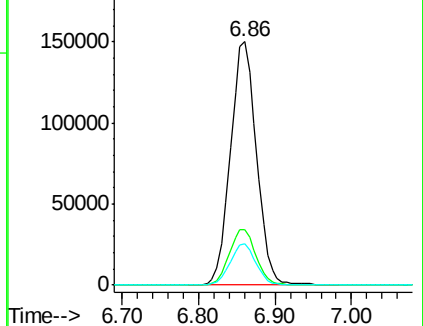
88 16.9 0.0 34.0

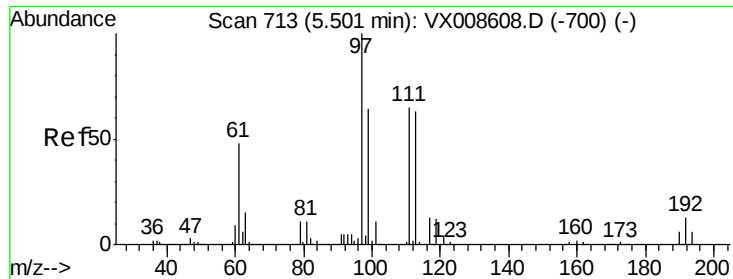


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.454 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

ST006MW081-190403

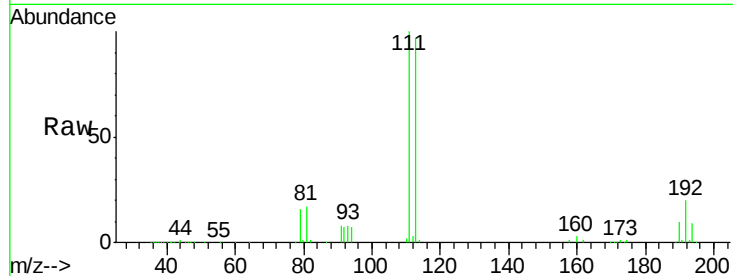
Tgt Ion:113 Resp: 107695

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

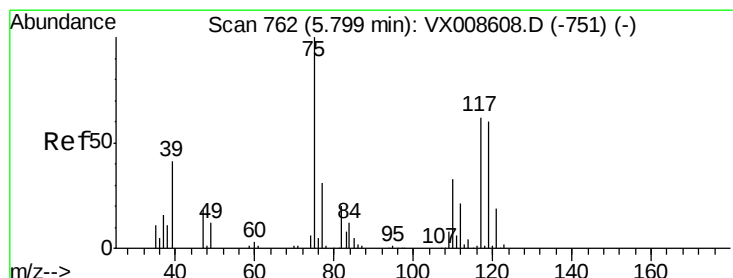
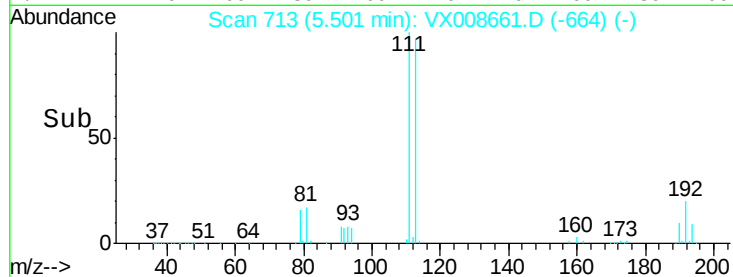
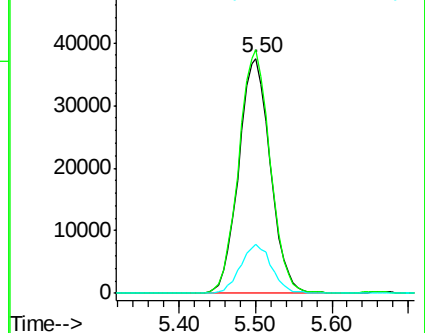
192 20.5 16.1 24.1



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: 4.565 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

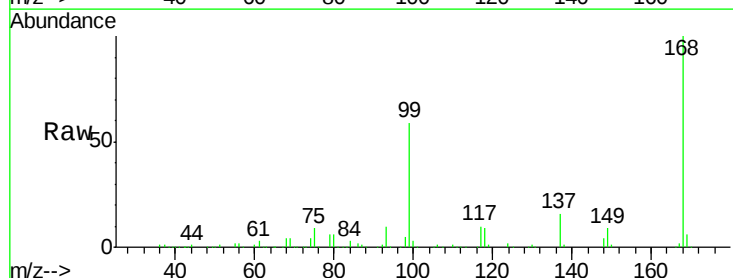
Tgt Ion: 75 Resp: 17712

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.2#

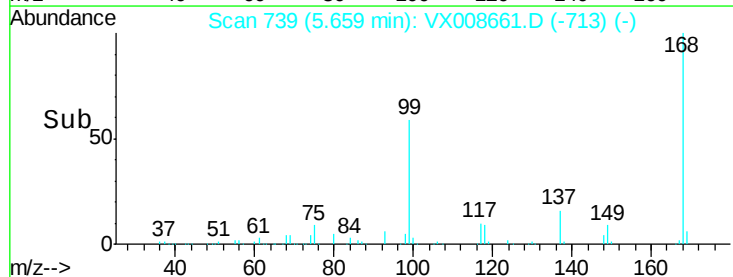
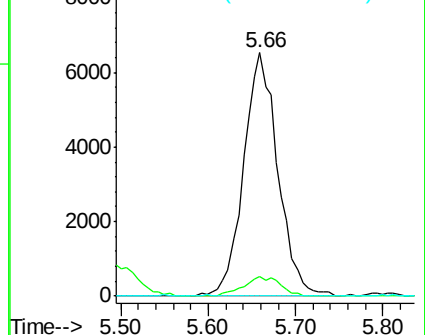
77 0.0 24.7 37.1#

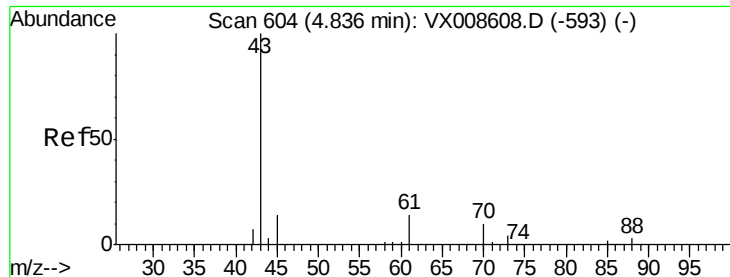


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.255 ug/l

RT: 4.80 min Scan# 598

Delta R.T. -0.04 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

ST006MW081-190403

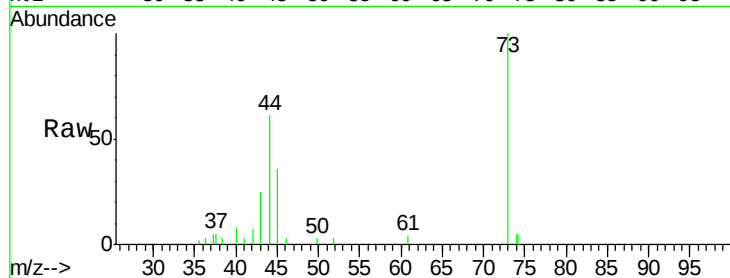
Tgt Ion: 43 Resp: 1321

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

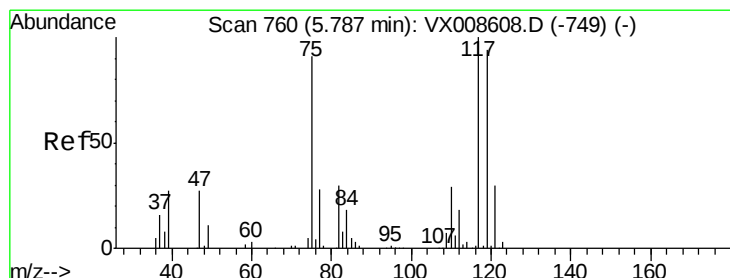
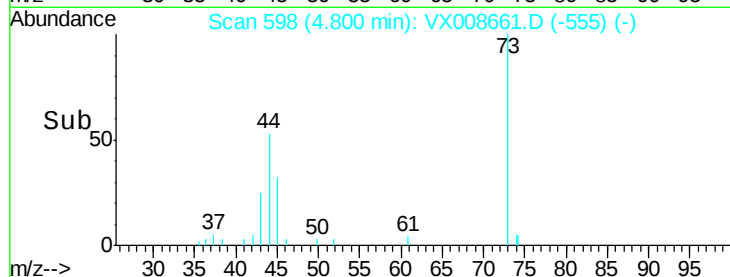
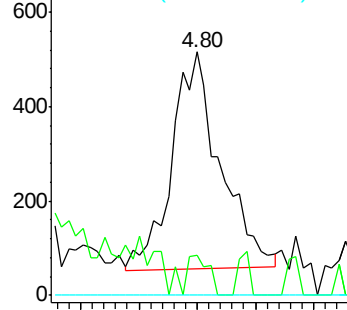
70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

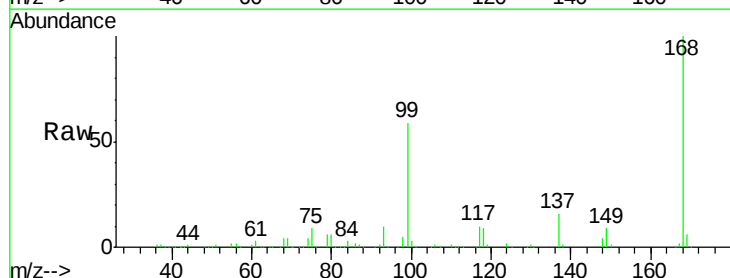
Tgt Ion: 117 Resp: 20681

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

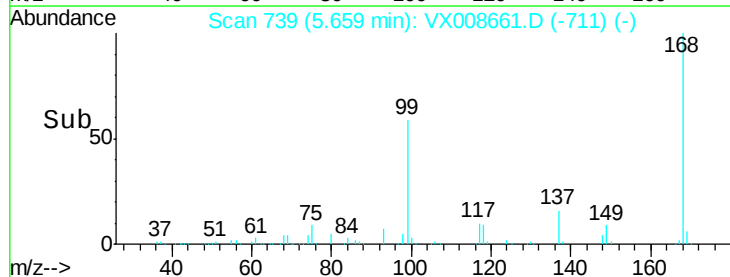
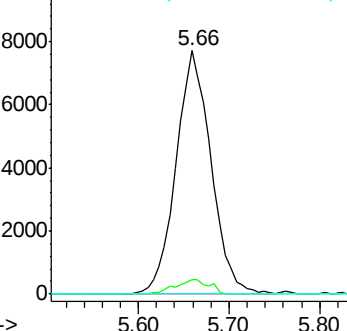
121 0.0 24.3 36.5#

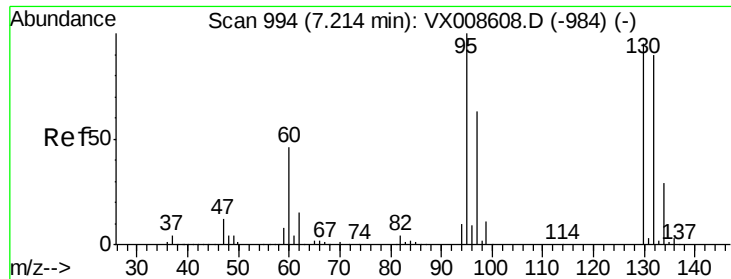


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 13.435 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

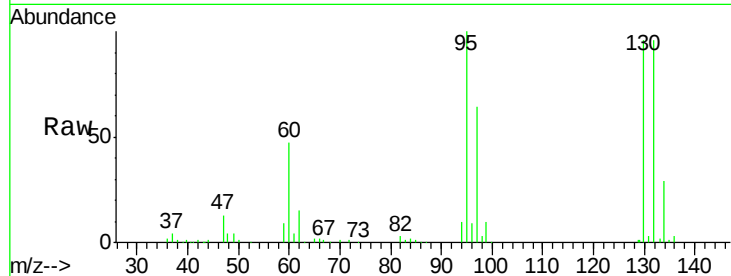
ST006MW081-190403

Tgt Ion:130 Resp: 36168

Ion Ratio Lower Upper

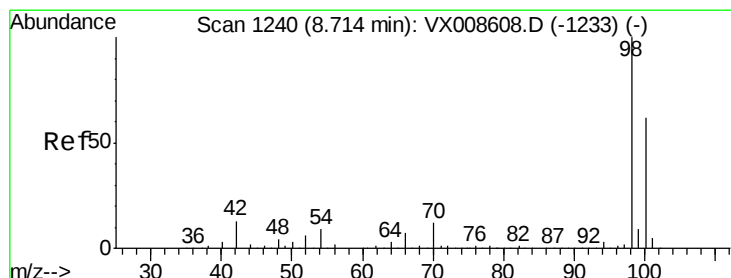
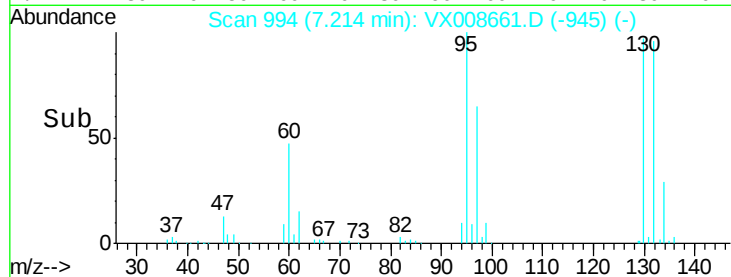
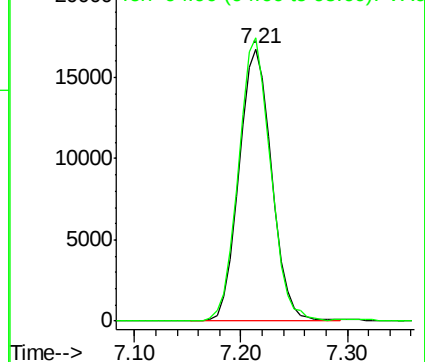
130 100

95 104.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.986 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008661.D

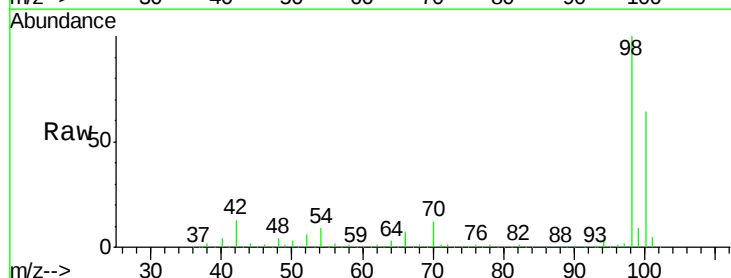
Acq: 05 Apr 2019 01:49

Tgt Ion: 98 Resp: 442657

Ion Ratio Lower Upper

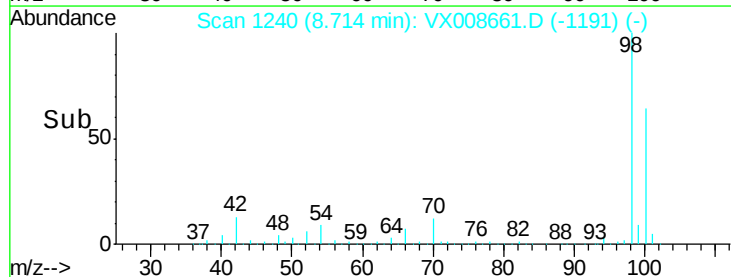
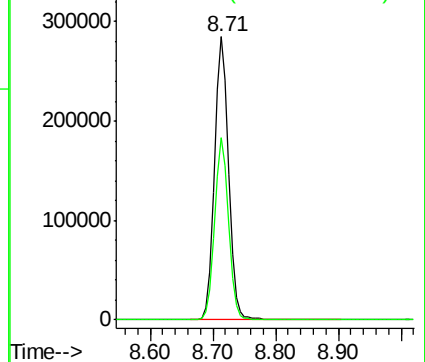
98 100

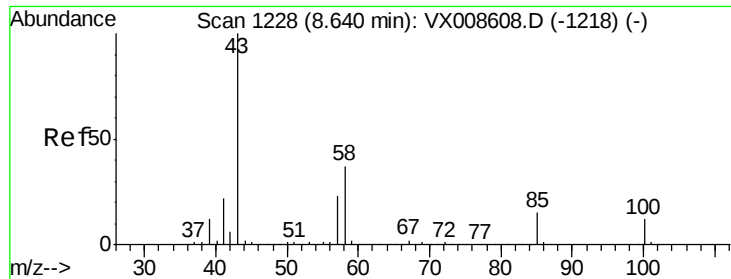
100 63.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

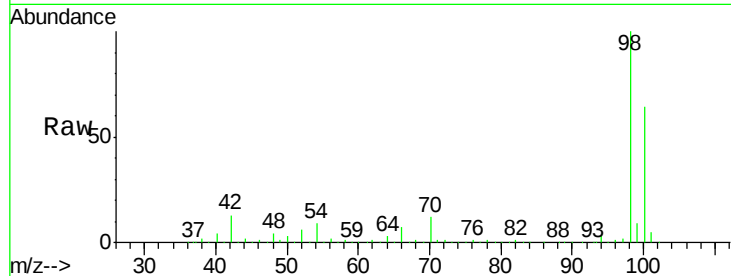




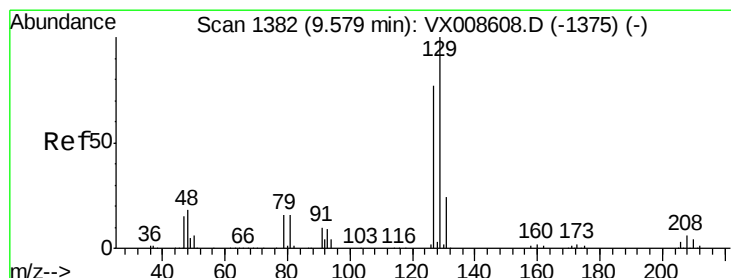
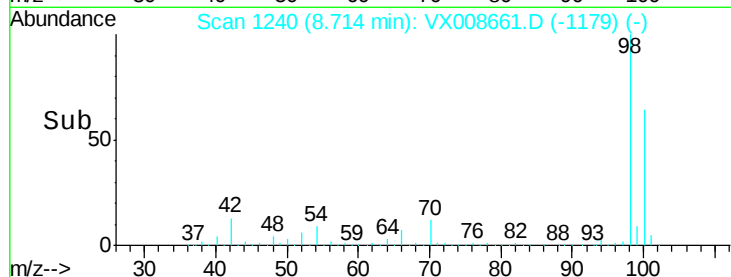
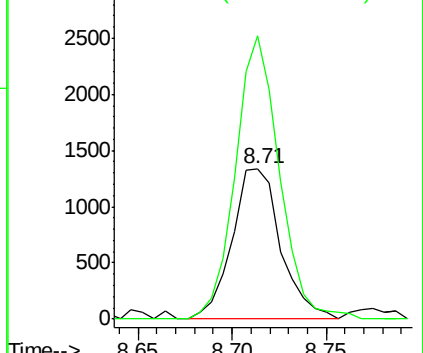
#51
 4-Methyl-2-Pentanone
 Concen: 0.460 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.07 min
 Lab File: VX008661.D
 Acq: 05 Apr 2019 01:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW081-190403

Tgt Ion: 43 Resp: 2403
 Ion Ratio Lower Upper
 43 100
 58 169.7 29.5 44.3#

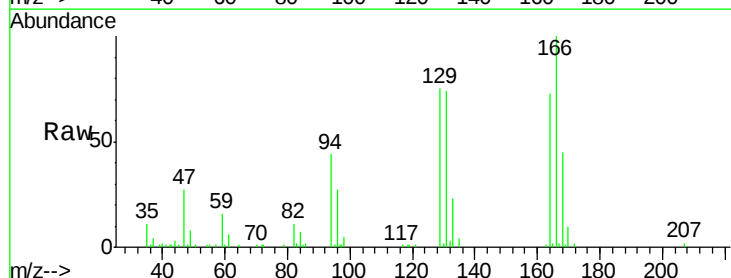


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

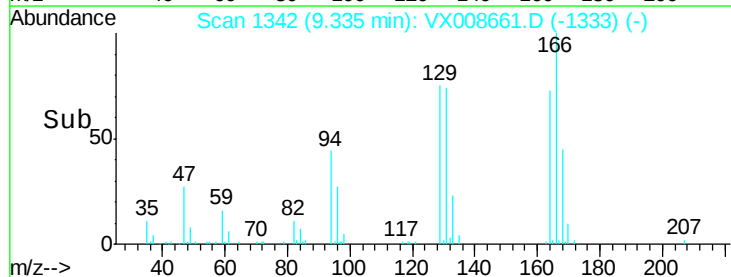
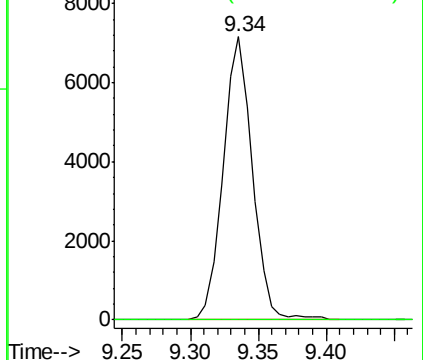


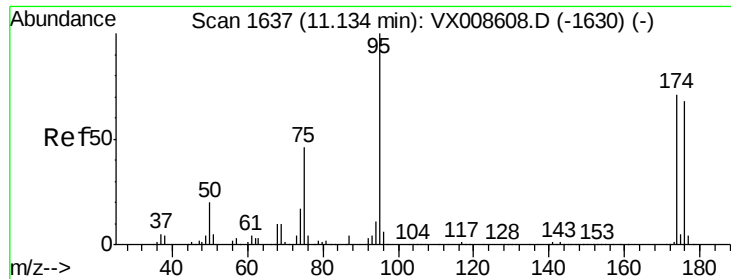
#60
 Dibromochloromethane
 Concen: 4.141 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008661.D
 Acq: 05 Apr 2019 01:49

Tgt Ion: 129 Resp: 10674
 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: 46.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

ST006MW081-190403

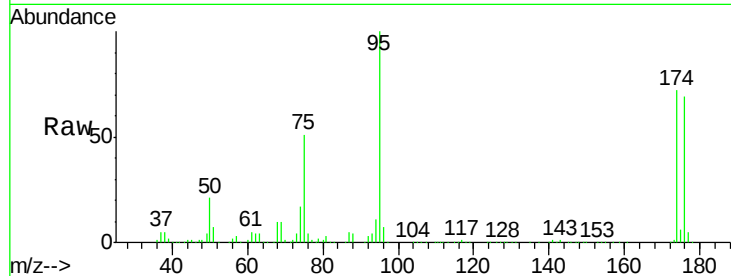
Tgt Ion: 95 Resp: 148801

Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.8

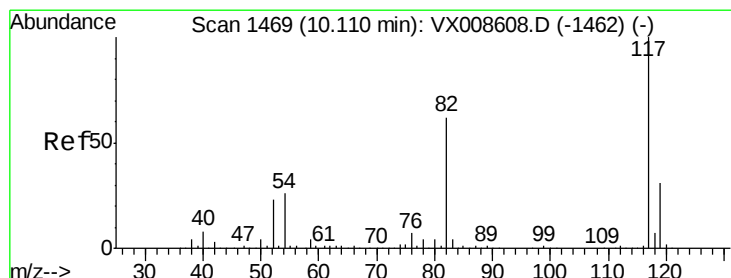
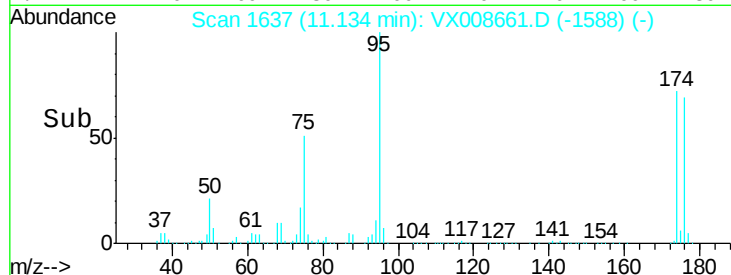
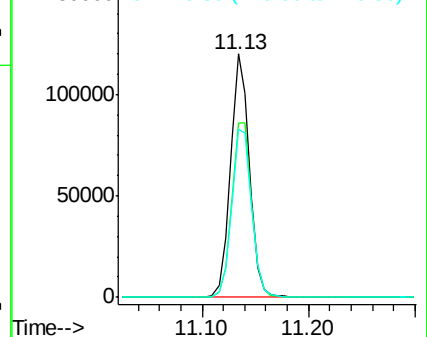
176 72.9 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008661.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008661.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008661.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

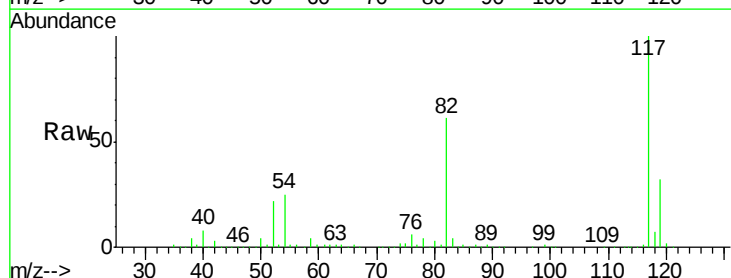
Tgt Ion: 117 Resp: 305425

Ion Ratio Lower Upper

117 100

82 61.3 49.6 74.4

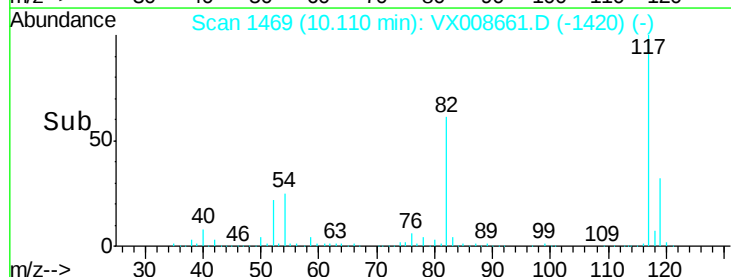
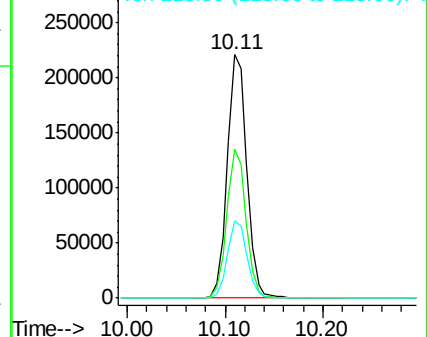
119 31.7 25.0 37.4

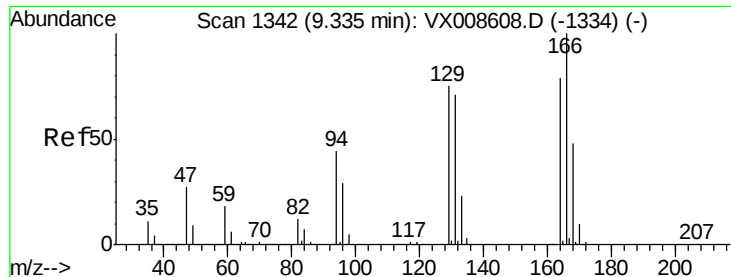


Abundance Ion 116.90 (116.60 to 117.60): VX008661.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008661.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008661.D (-1420) (-)

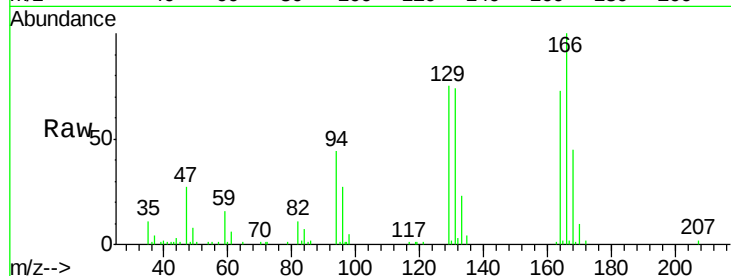




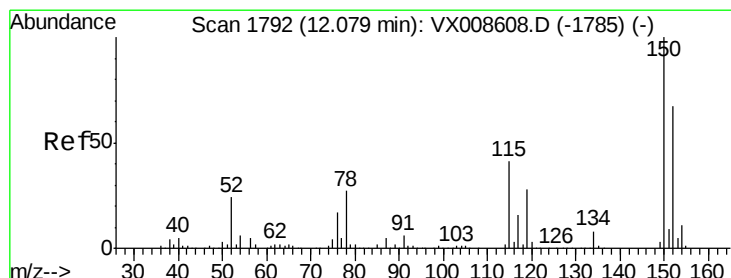
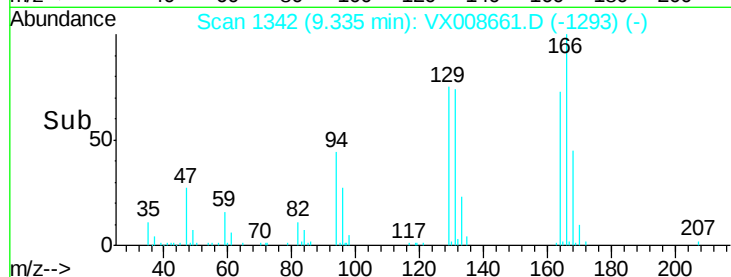
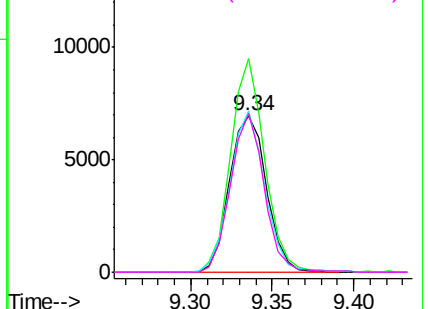
#64
Tetrachloroethene
Concen: 4.845 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008661.D
Acq: 05 Apr 2019 01:49

Instrument :
MSVOA_X
ClientSampleId :
ST006MW081-190403

Tgt Ion:164 Resp: 10964
Ion Ratio Lower Upper
164 100
166 136.5 101.0 151.6
129 102.8 75.8 113.8
131 101.4 71.8 107.8

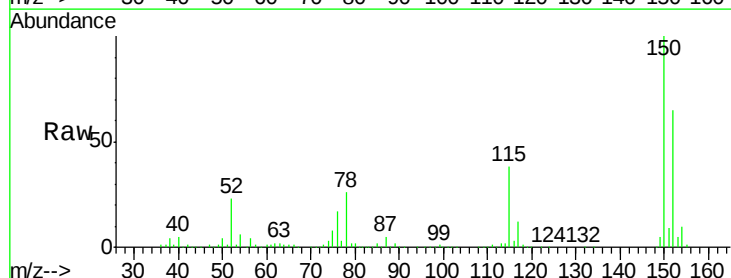


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

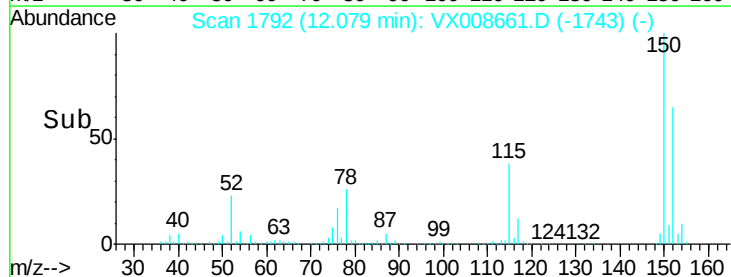
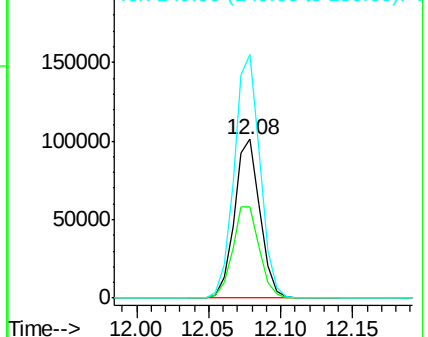


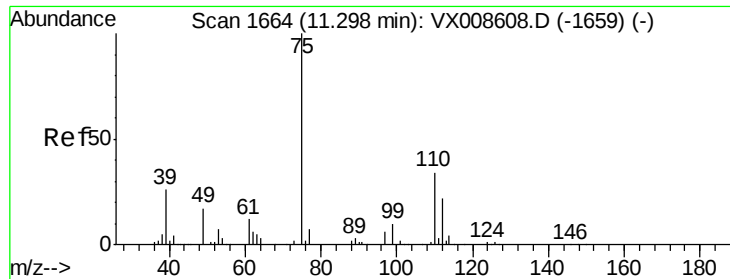
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008661.D
Acq: 05 Apr 2019 01:49

Tgt Ion:152 Resp: 124834
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 155.8 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: 21.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Instrument :

MSVOA_X

ClientSampleId :

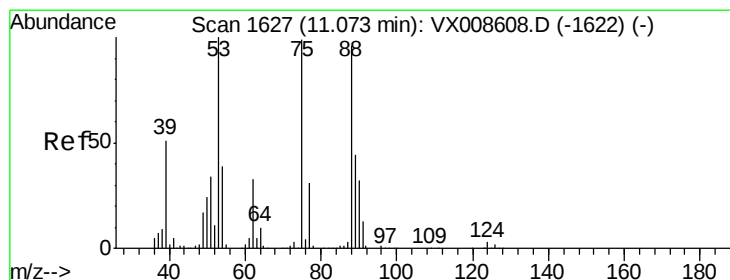
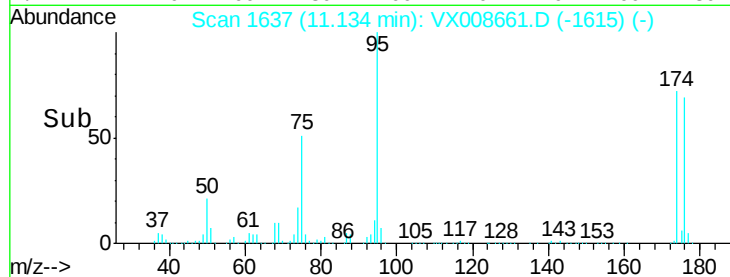
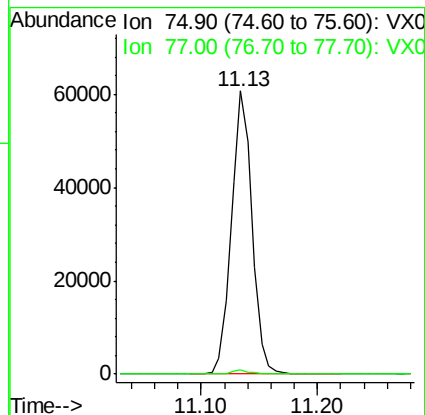
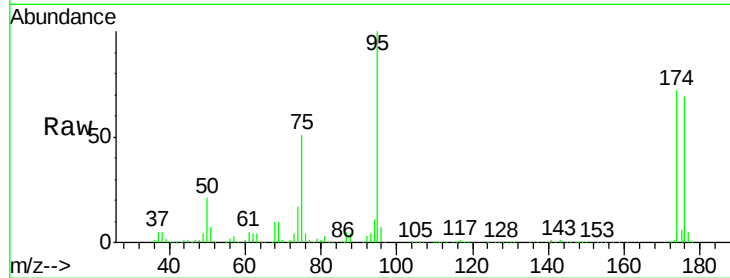
ST006MW081-190403

Tgt Ion: 75 Resp: 74593

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.959 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008661.D

Acq: 05 Apr 2019 01:49

Tgt Ion: 75 Resp: 74593

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

