

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008699.D
 Acq On : 05 Apr 2019 22:02
 Operator : JC/SP
 Sample : K2295-14 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW305-190404DL

Quant Time: Apr 06 01:29:29 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	207084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128436	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	141794	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	5.49	113	103431	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	8.71	98	431999	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	149397	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

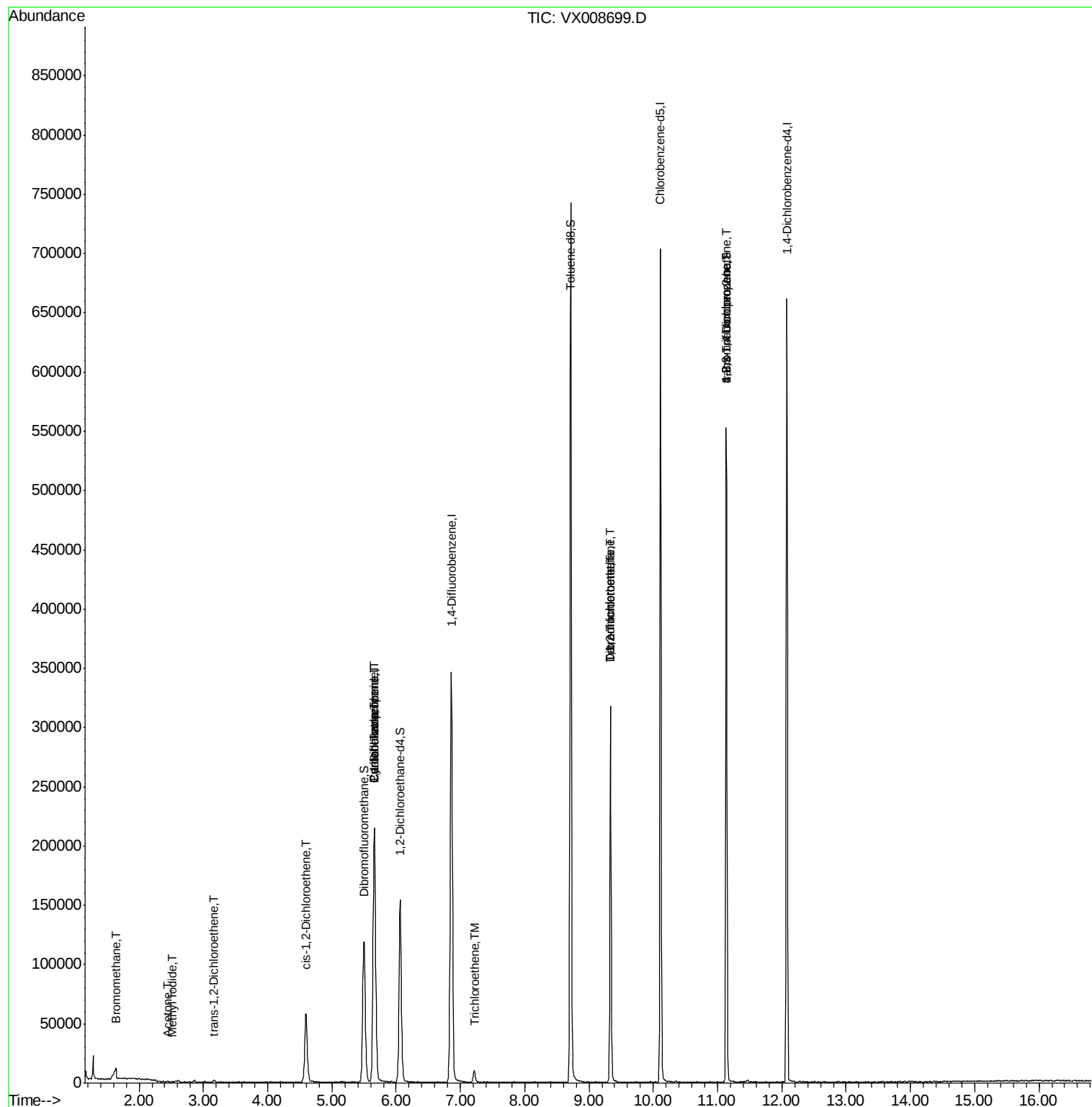
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	567	Below Cal	#	83
5) Bromomethane	1.64	94	498	2.187	ug/l	90
6) Chloroethane	1.71	64	99	Below Cal	#	1
10) Methyl Iodide	2.51	142	46	4.023	ug/l #	42
16) Acetone	2.45	43	619	0.356	ug/l	93
17) Carbon Disulfide	2.57	76	575	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.17	96	537	0.207	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	36059	12.111	ug/l	89
28) Bromochloromethane	4.99	49	19	Below Cal	#	22
31) Cyclohexane	5.65	56	4472	0.857	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16693	4.439	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20040	6.439	ug/l #	16
44) Trichloroethene	7.21	130	3728	1.429	ug/l	84
55) 1,1,2-Trichloroethane	9.34	97	569	0.215	ug/l #	1
60) Dibromochloromethane	9.34	129	56101	22.458	ug/l #	11
64) Tetrachloroethene	9.34	164	59852	26.710	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	75063	21.275	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75063	58.645	ug/l #	9

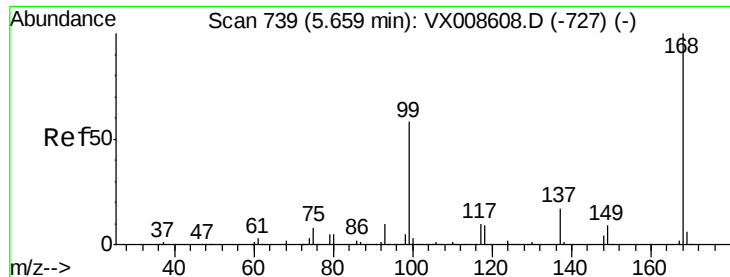
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

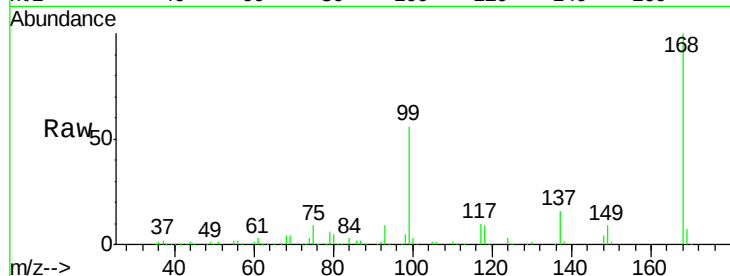
ST008MW305-190404DL

Tot Ion:168 Resp: 207084

Ion Ratio Lower Upper

168 100

99 56.4 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

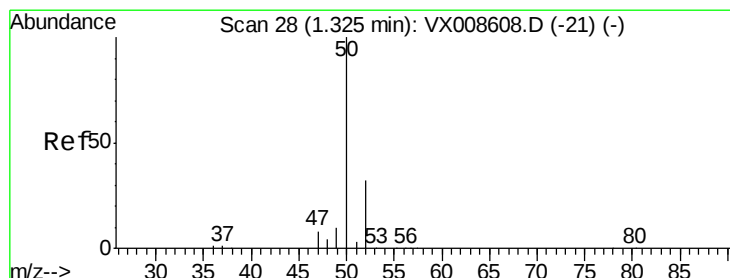
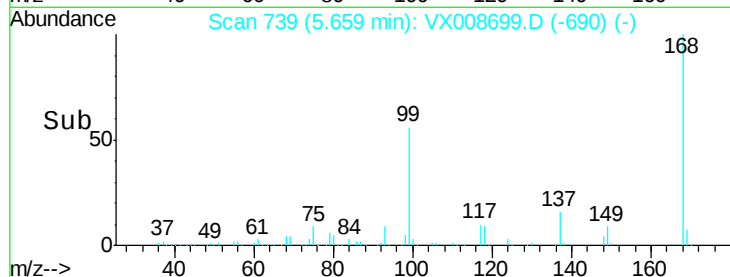
60000

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: VX008699.D

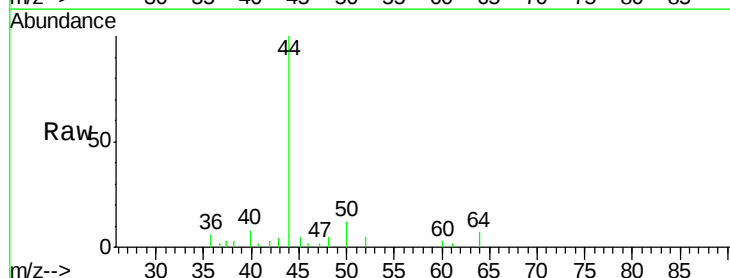
Acq: 05 Apr 2019 22:02

Tgt Ion: 50 Resp: 567

Ion Ratio Lower Upper

50 100

52 41.8 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

300

250

200

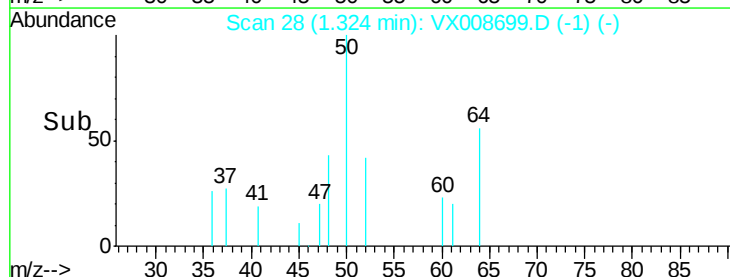
150

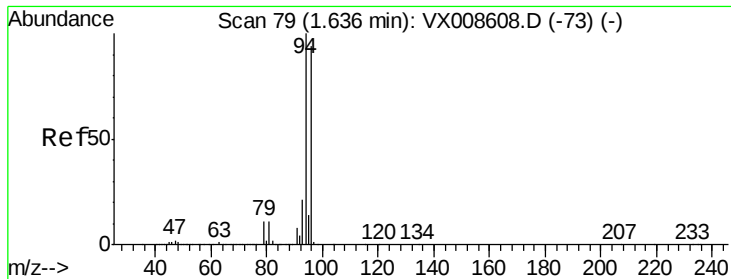
100

50

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.187 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

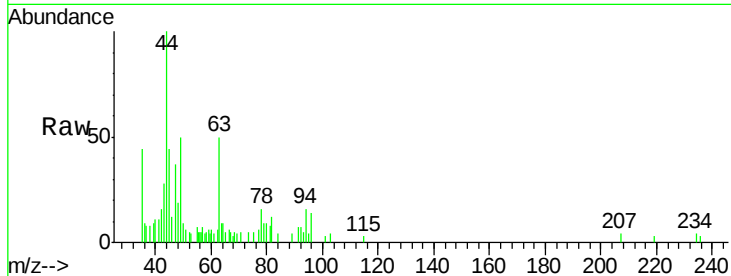
ST008MW305-190404DL

Tot Ion: 94 Resp: 498

Ion Ratio Lower Upper

94 100

96 84.8 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

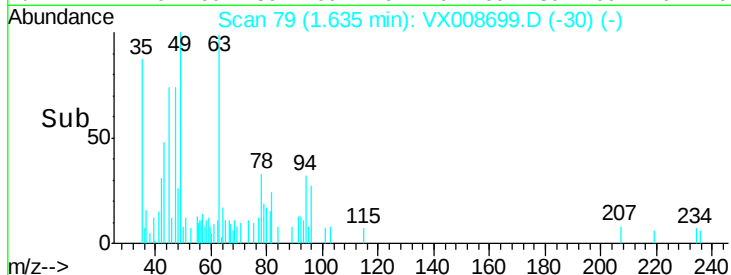
50

0

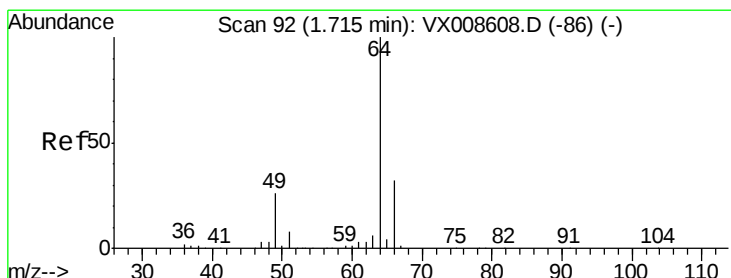
1.60

1.65

1.70



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008699.D

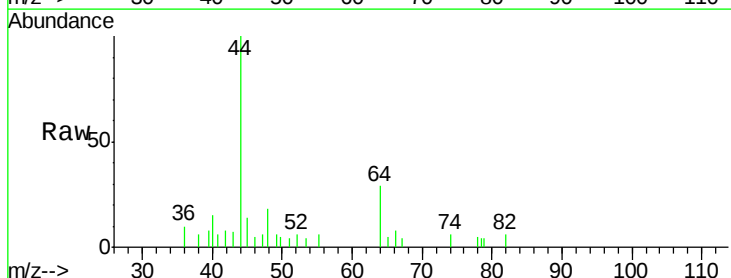
Acq: 05 Apr 2019 22:02

Tgt Ion: 64 Resp: 99

Ion Ratio Lower Upper

64 100

66 107.7 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

400

300

200

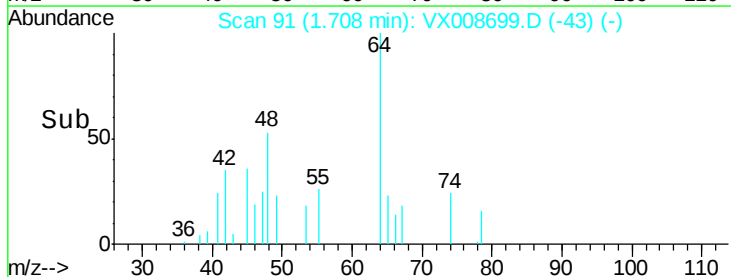
100

0

1.68

1.70

1.72



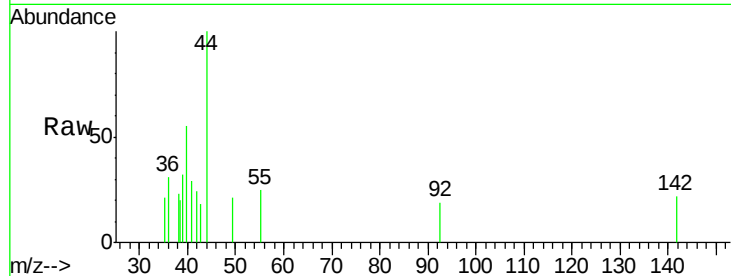
Time-->



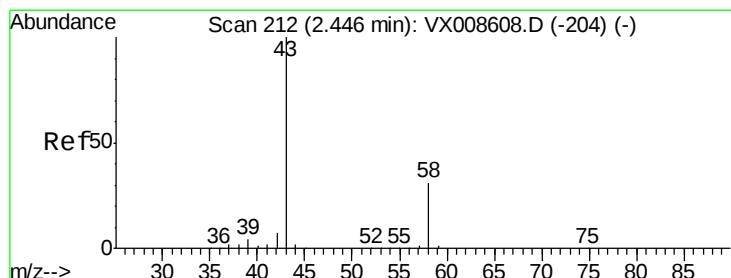
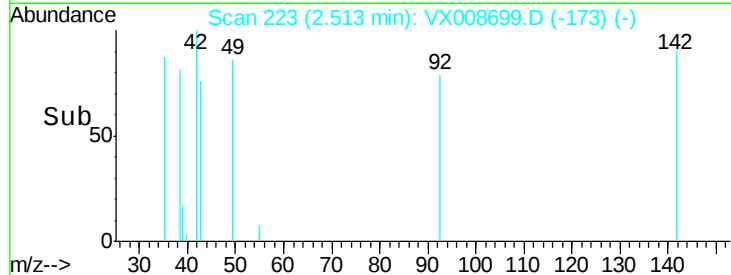
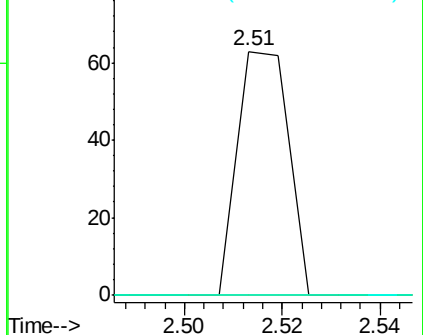
#10
Methvl Iodide
Concen: 4.023 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-190404DL

Tot Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

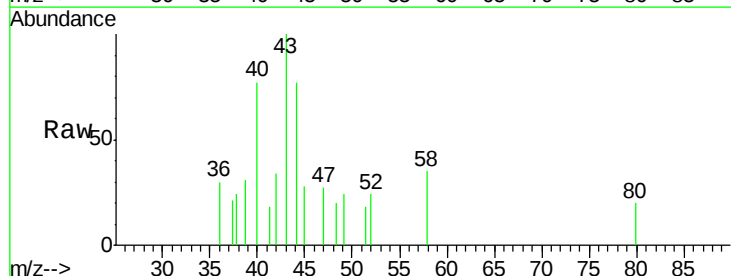


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

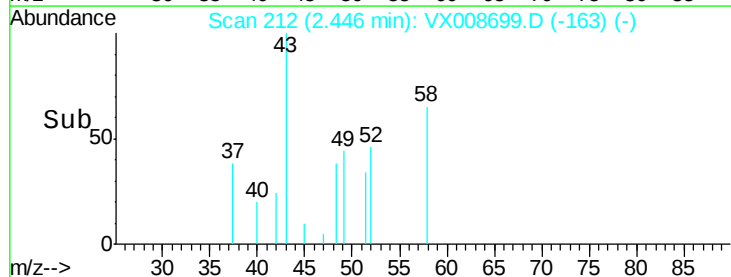
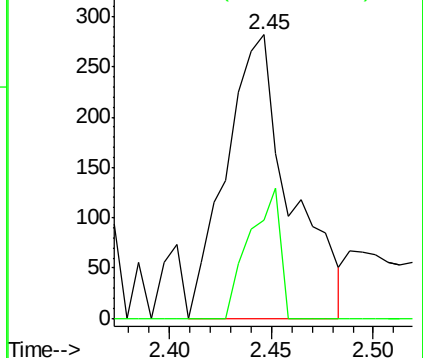


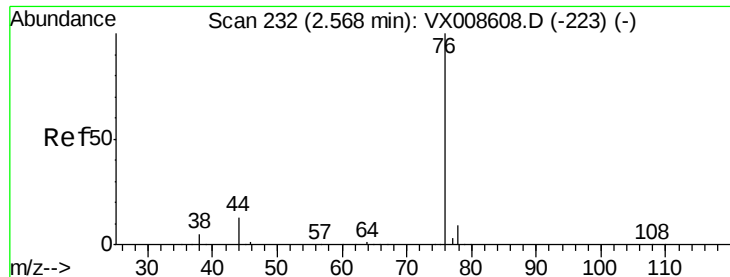
#16
Acetone
Concen: 0.356 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 34.8 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: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

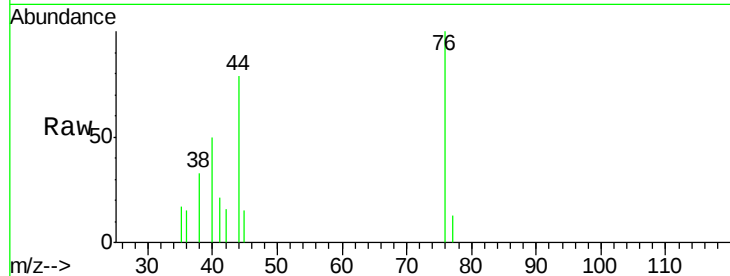
ST008MW305-190404DL

Tot Ion: 76 Resp: 575

Ion Ratio Lower Upper

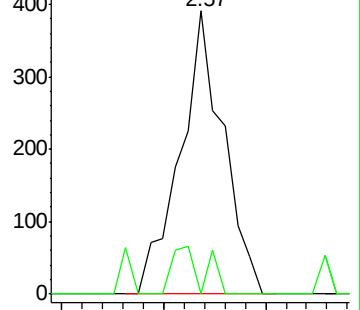
76 100

78 0.0 7.1 10.7#

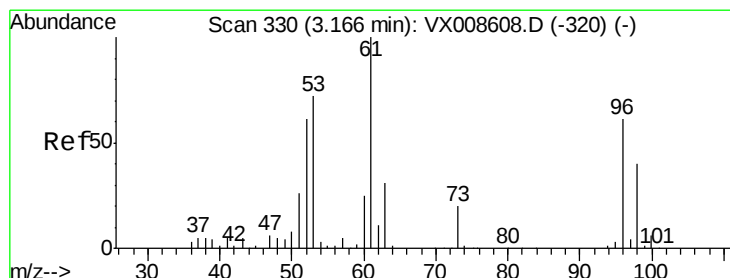
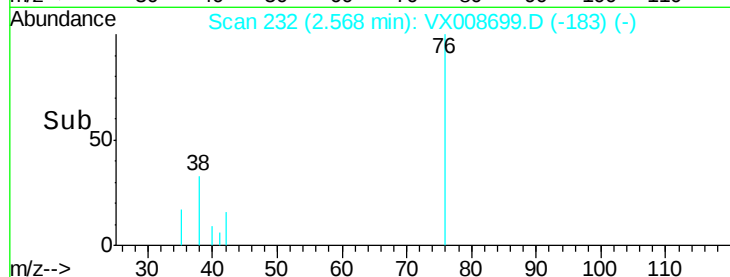


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60



#21

trans-1,2-Dichloroethene

Concen: 0.207 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

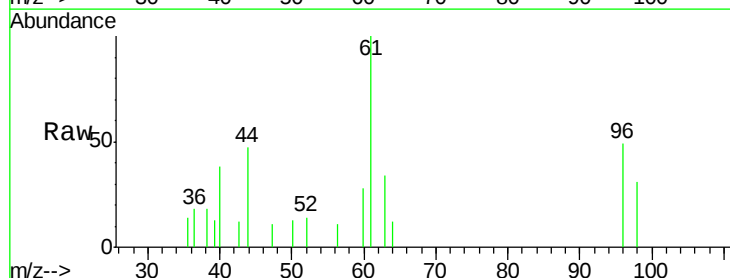
Tgt Ion: 96 Resp: 537

Ion Ratio Lower Upper

96 100

61 178.1 132.1 198.1

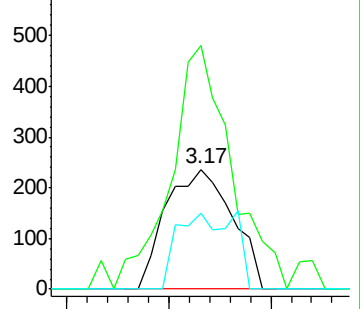
98 63.3 52.2 78.2



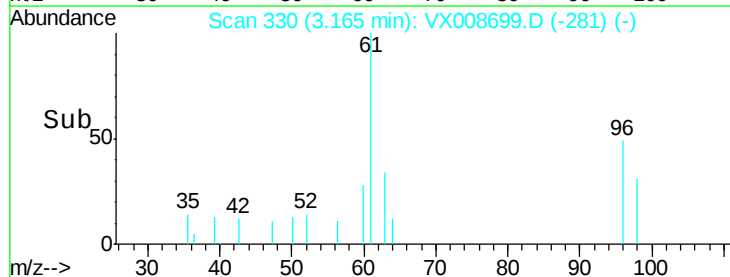
Abundance Ion 95.90 (95.60 to 96.60): VX0

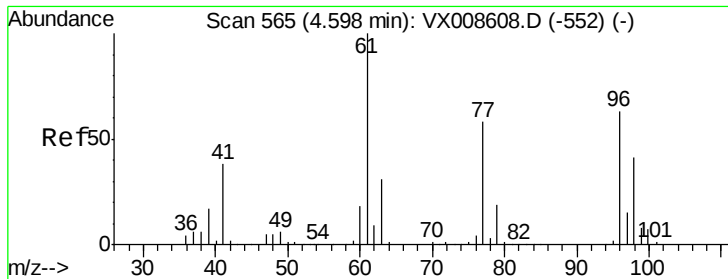
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time--> 3.10 3.15 3.20



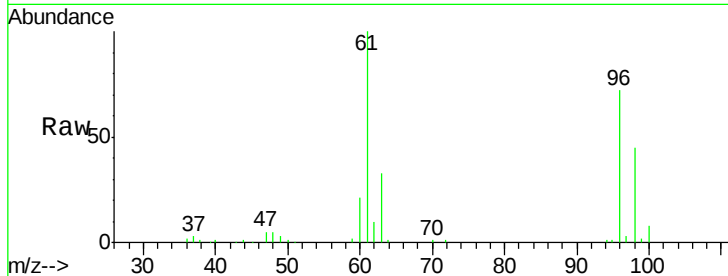


#27

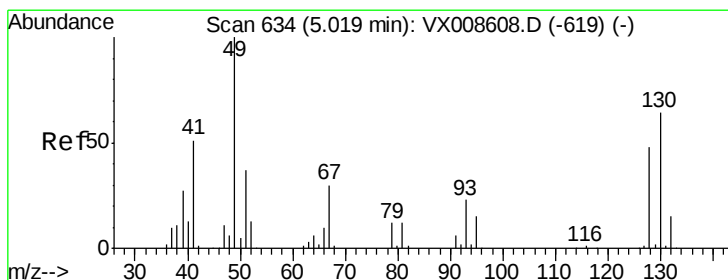
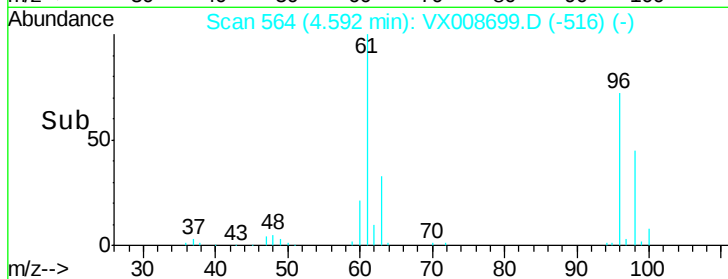
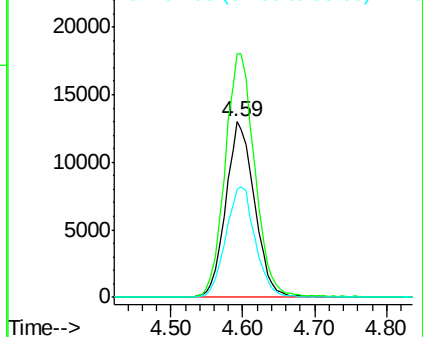
cis-1,2-Dichloroethene
Concen: 12.111 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Instrument :
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ST008MW305-190404DL

Tot Ion	96	Resp	36059
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	327.6
98	64.6	0.0	128.6



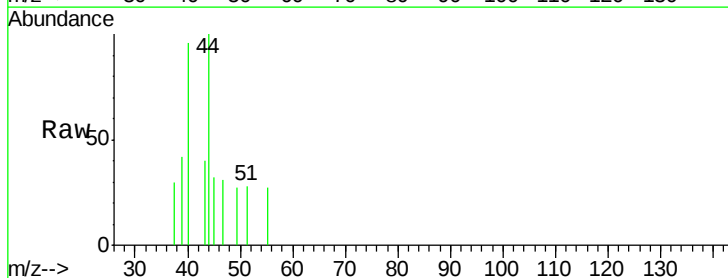
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



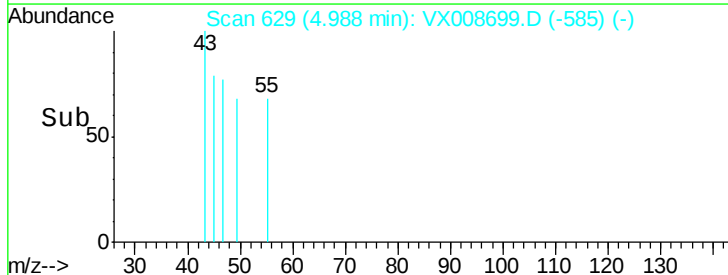
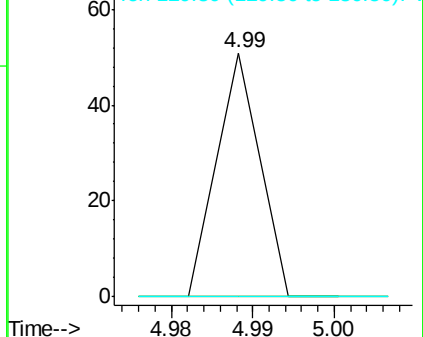
#28

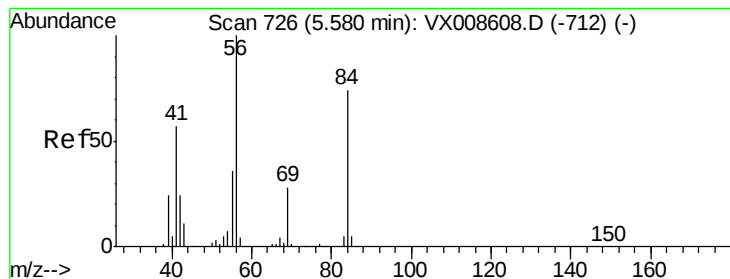
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 629
Delta R.T. -0.03 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Tgt Ion	49	Resp	19
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: 0.857 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

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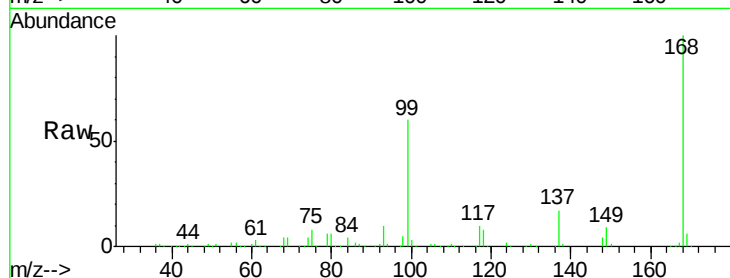
Tot Ion: 56 Resp: 4472

Ion Ratio Lower Upper

56 100

69 193.3 22.6 33.8#

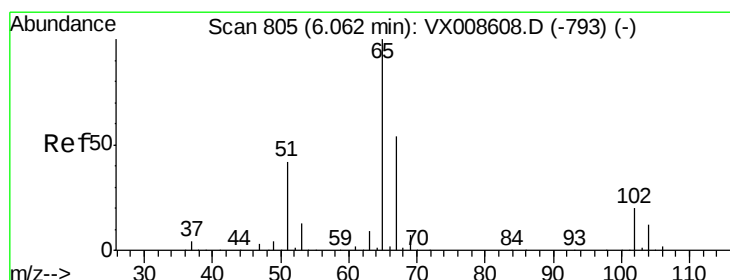
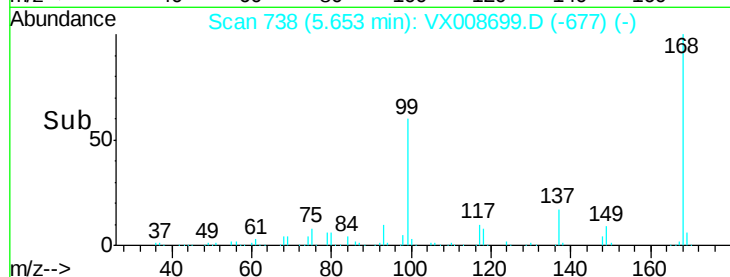
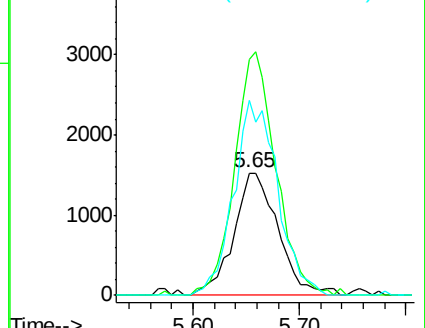
84 159.0 59.3 88.9#



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: 46.945 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008699.D

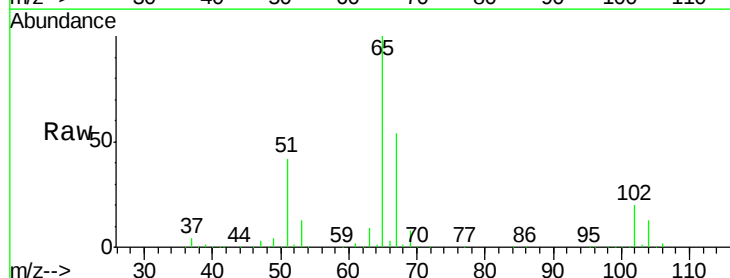
Acq: 05 Apr 2019 22:02

Tgt Ion: 65 Resp: 141794

Ion Ratio Lower Upper

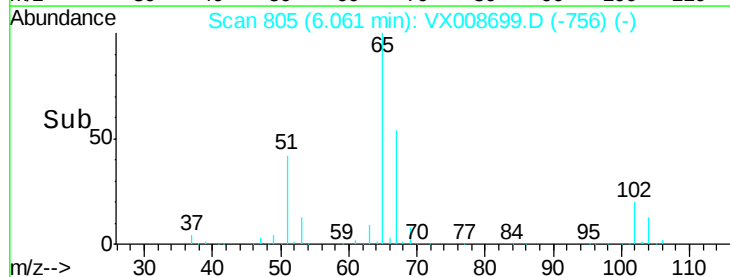
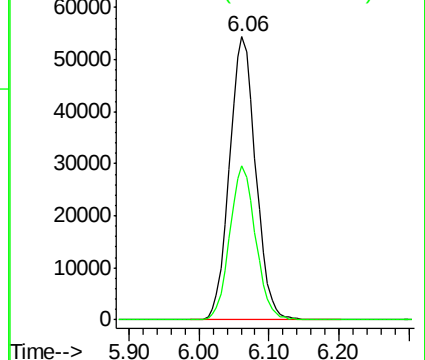
65 100

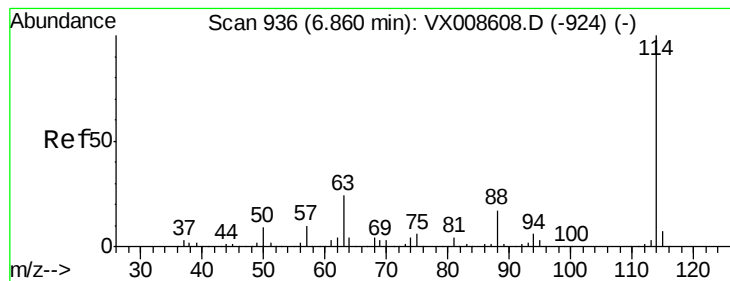
67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-190404DL

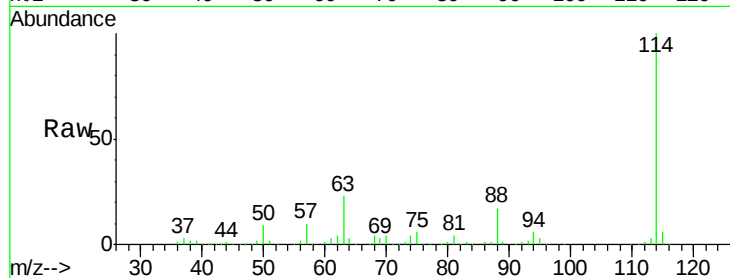
Tot Ion:114 Resp: 343995

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.2

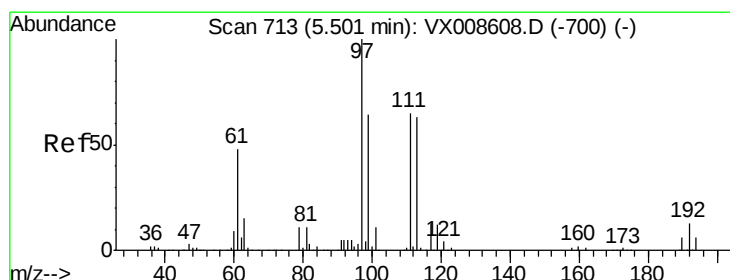
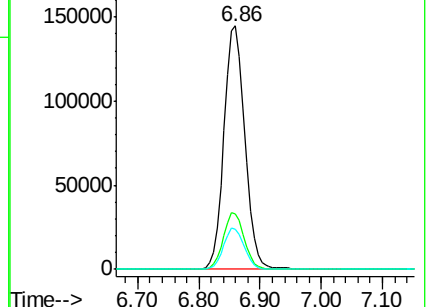
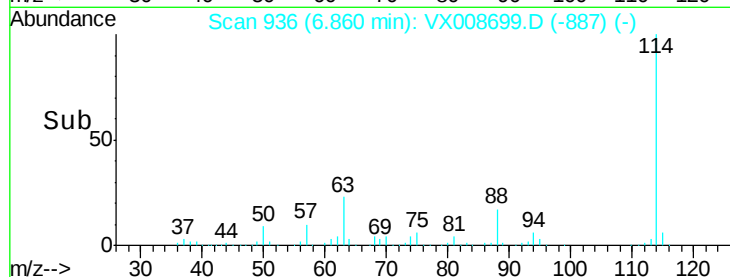
88 16.7 0.0 34.0



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: 47.027 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

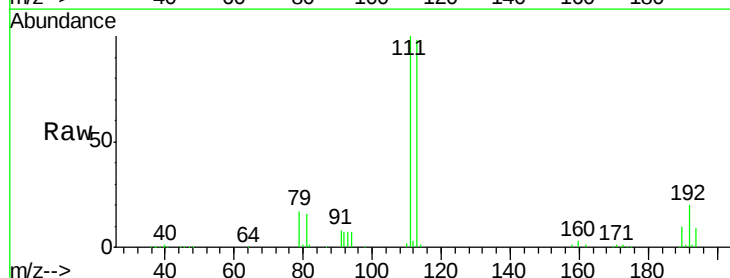
Tgt Ion:113 Resp: 103431

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

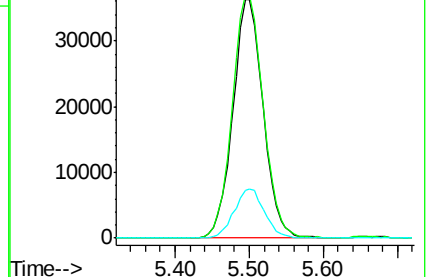
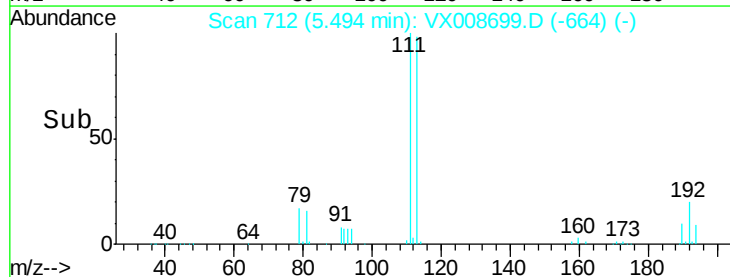
192 20.7 16.1 24.1

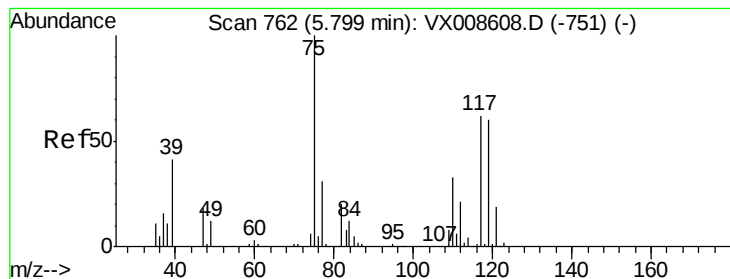


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-190404DL

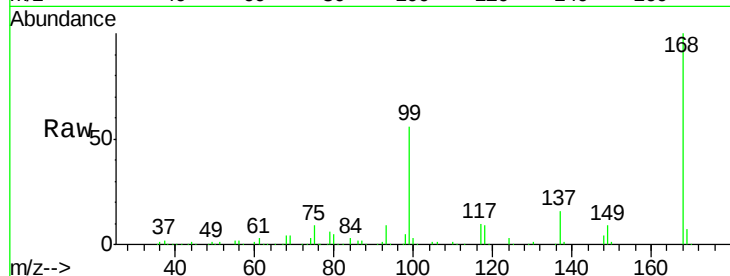
Tot Ion: 75 Resp: 16693

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

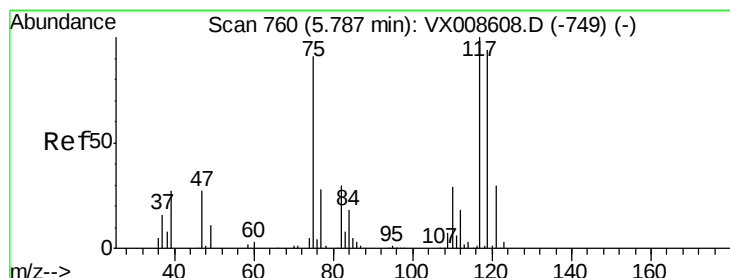
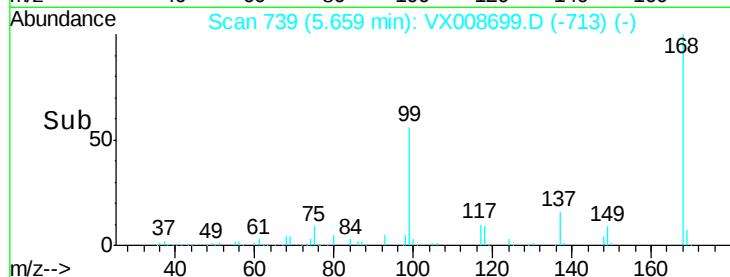
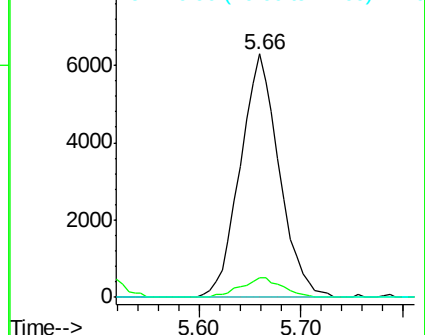
77 0.0 24.7 37.1#



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: 6.439 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

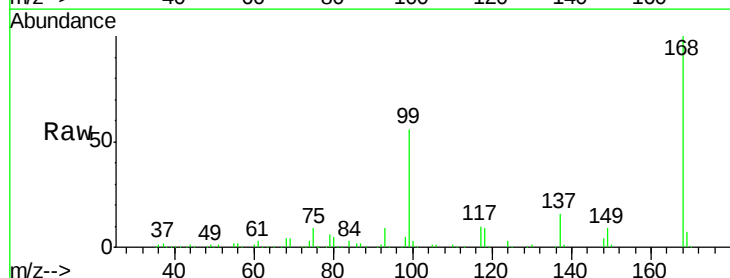
Tgt Ion: 117 Resp: 20040

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

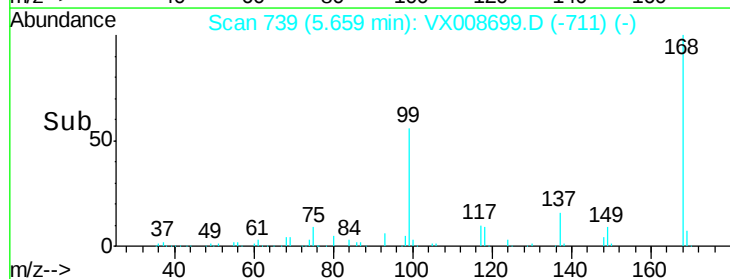
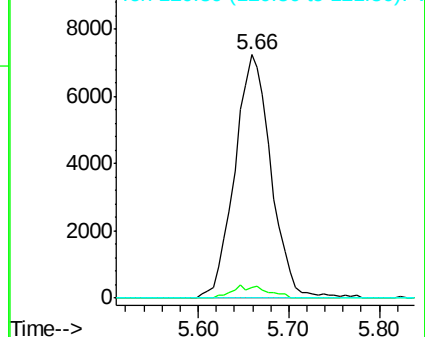
121 0.0 24.3 36.5#

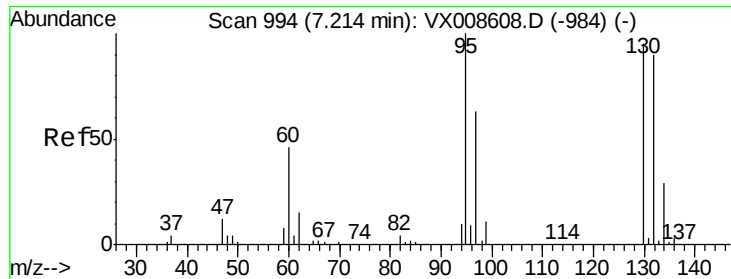


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.429 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

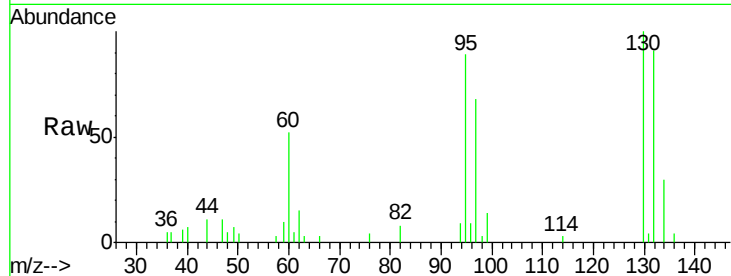
ST008MW305-190404DL

Tot Ion:130 Resp: 3728

Ion Ratio Lower Upper

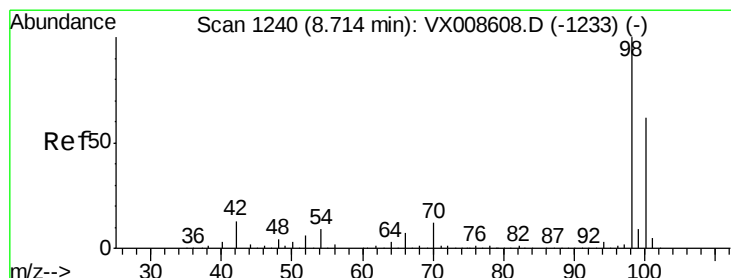
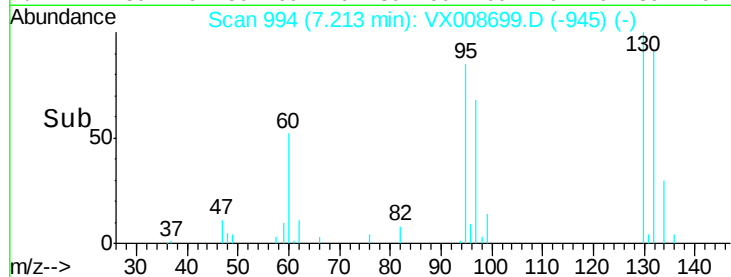
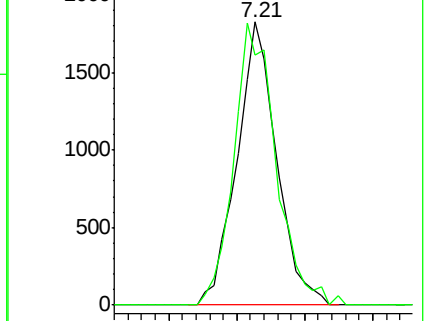
130 100

95 88.5 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: 49.330 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008699.D

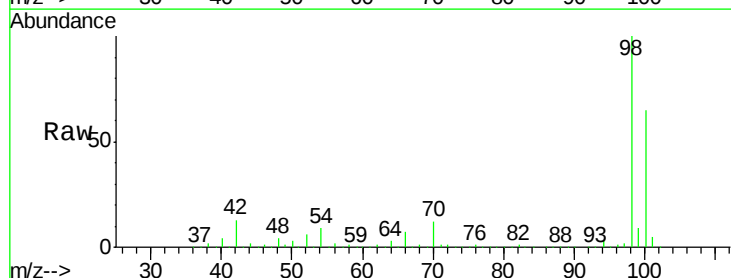
Acq: 05 Apr 2019 22:02

Tgt Ion: 98 Resp: 431999

Ion Ratio Lower Upper

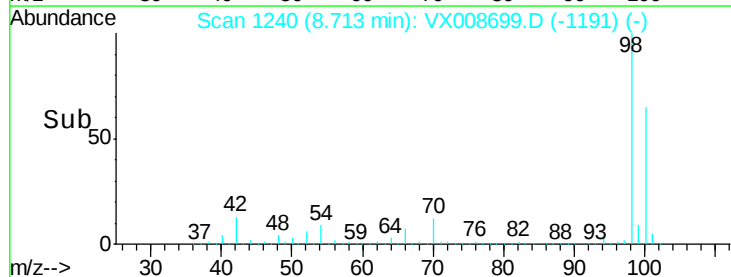
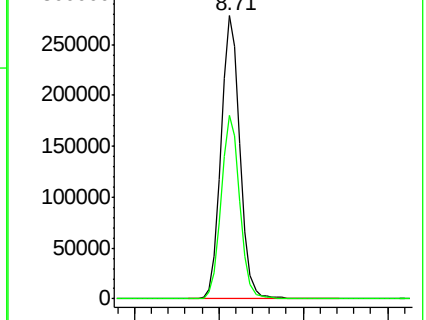
98 100

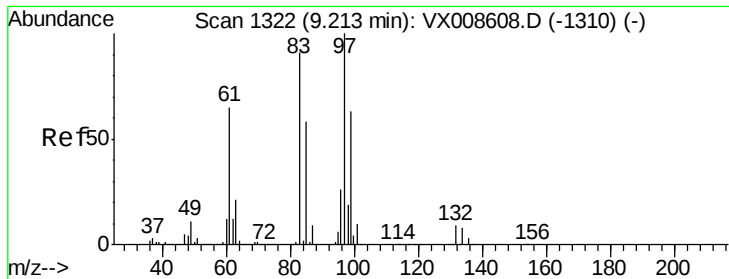
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.215 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

ST008MW305-190404DL

Tot Ion: 97 Resp: 569

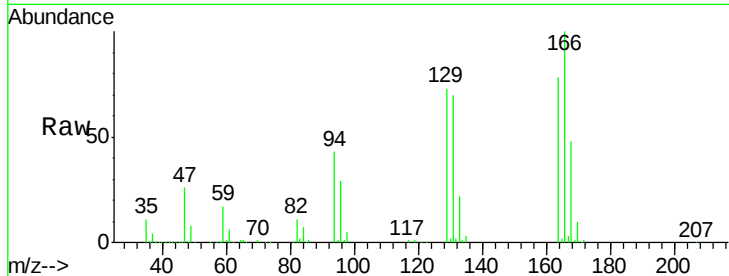
Ion Ratio Lower Upper

97 100

83 267.7 73.2 109.8#

85 44.8 46.6 69.8#

99 0.0 50.1 75.1#

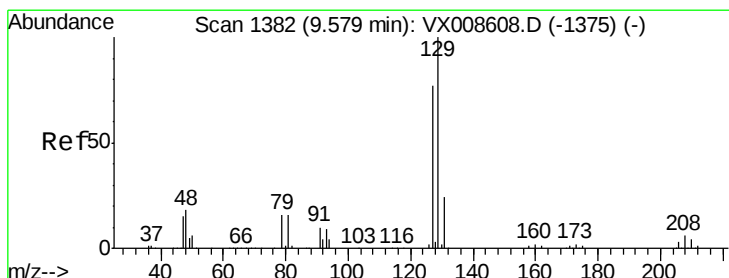
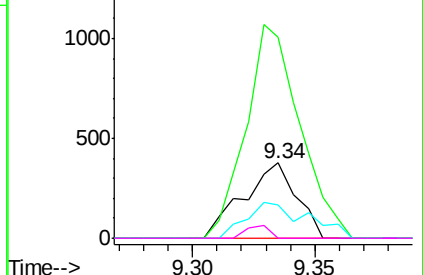
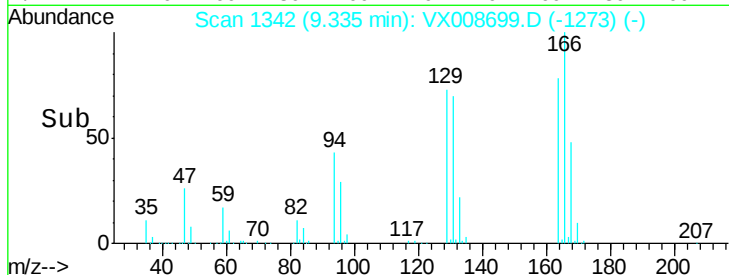


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 22.458 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008699.D

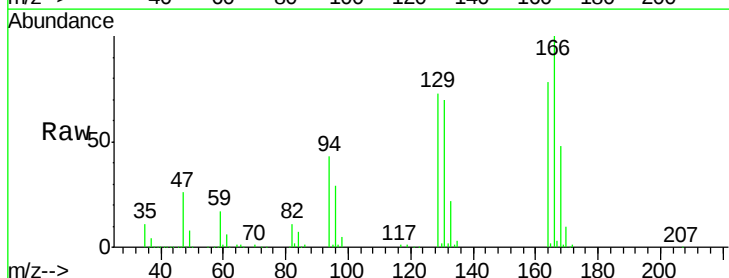
Acq: 05 Apr 2019 22:02

Tgt Ion:129 Resp: 56101

Ion Ratio Lower Upper

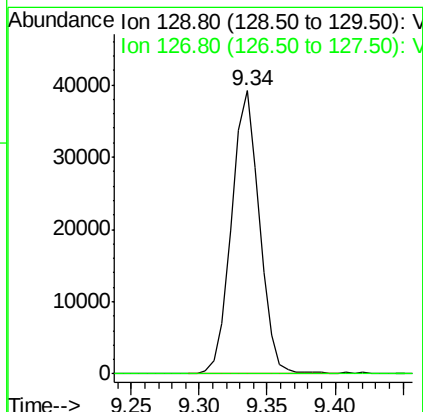
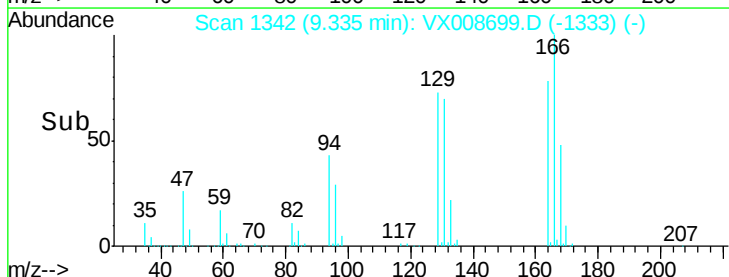
129 100

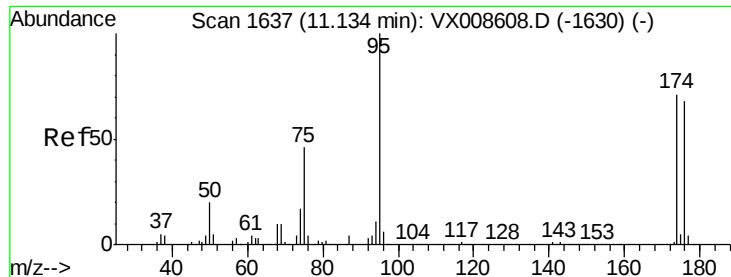
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

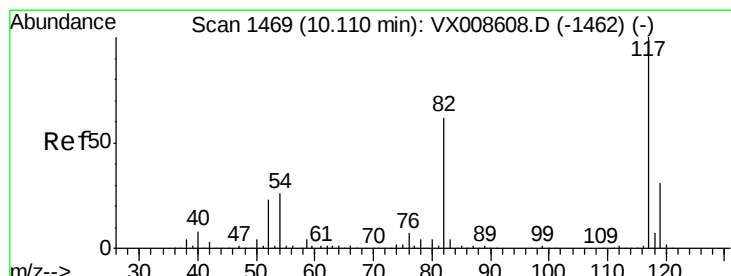
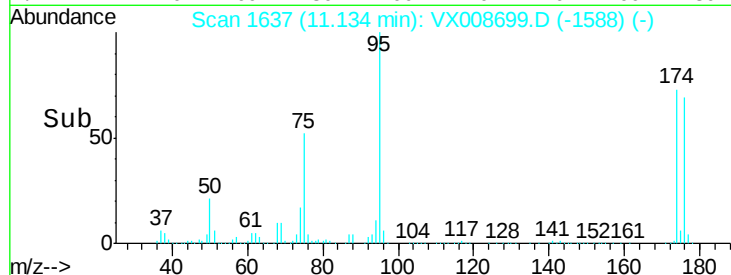
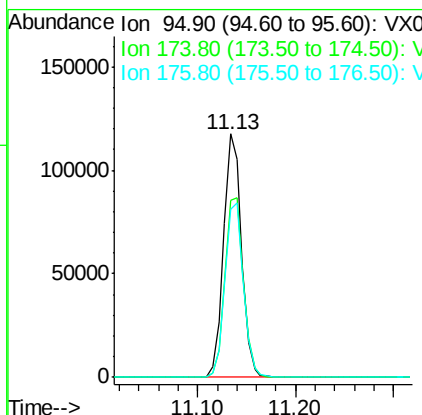
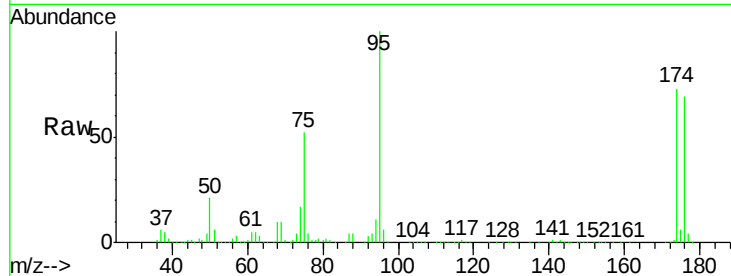




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

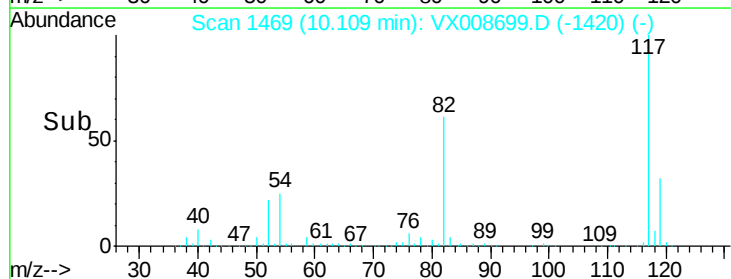
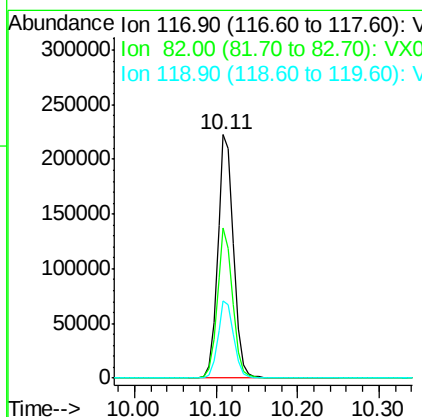
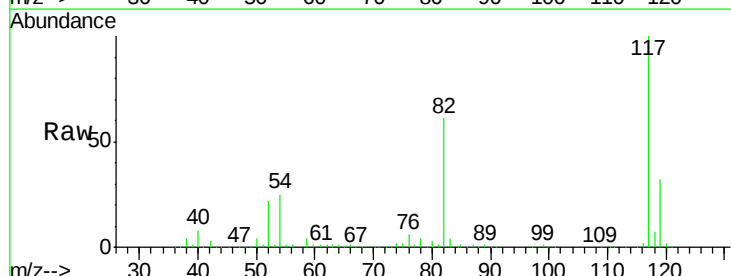
Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-190404DL

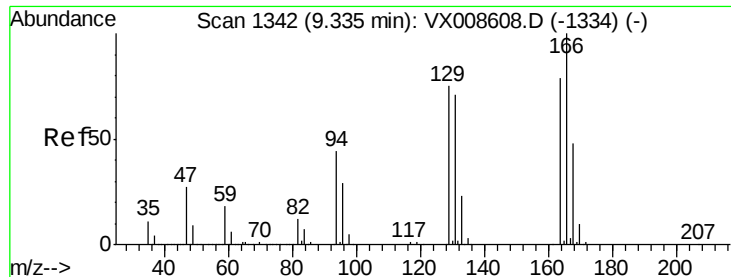
Tot Ion: 95 Resp: 149397
Ion Ratio Lower Upper
95 100
174 76.2 0.0 151.8
176 73.9 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Tgt Ion: 117 Resp: 302448
Ion Ratio Lower Upper
117 100
82 61.4 49.6 74.4
119 31.8 25.0 37.4

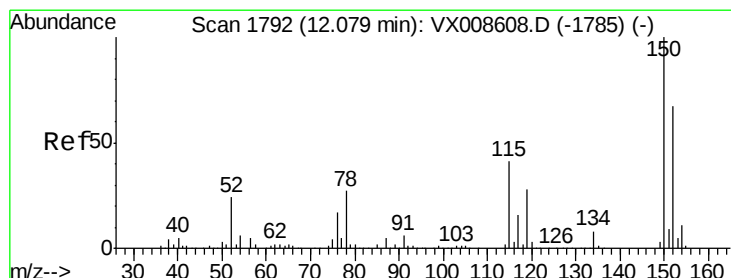
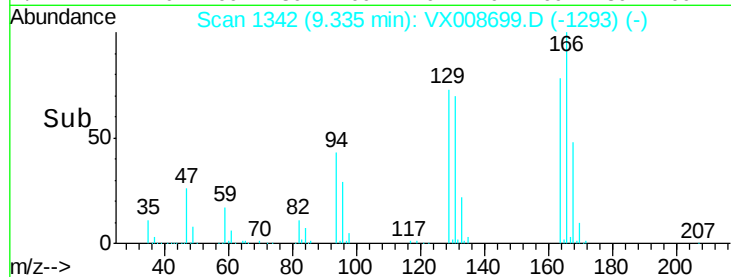
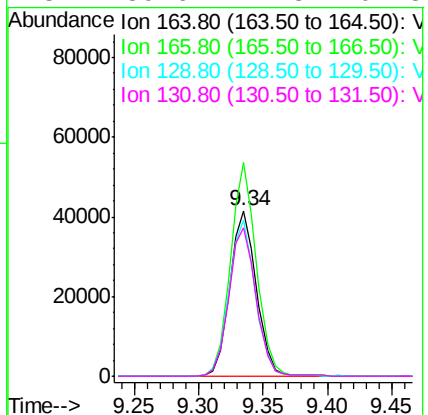
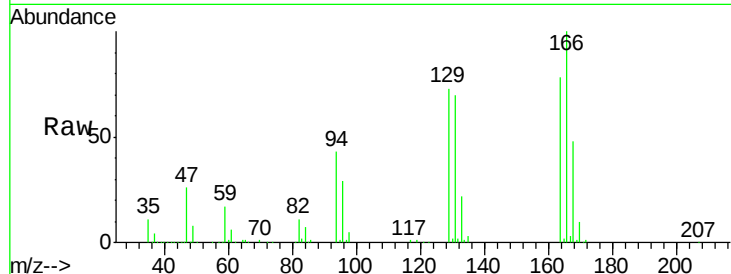




#64
Tetrachloroethene
Concen: 26.710 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

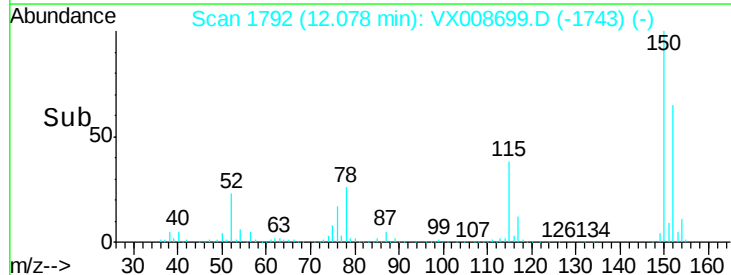
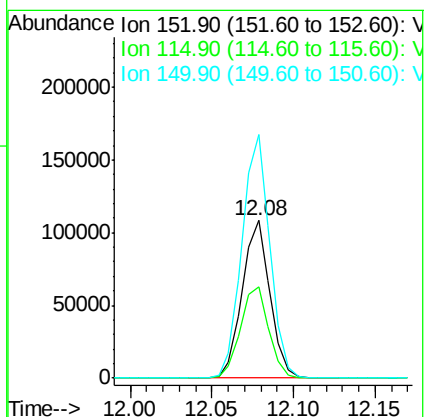
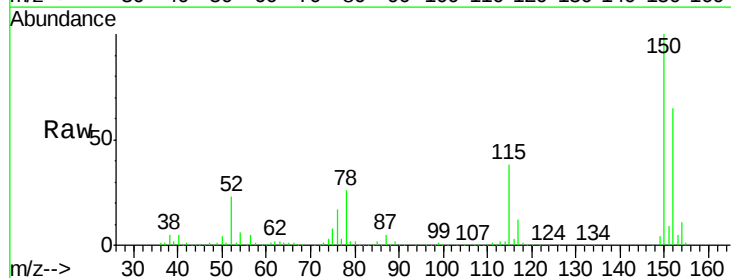
Instrument :
MSVOA_X
ClientSampleId :
ST008MW305-190404DL

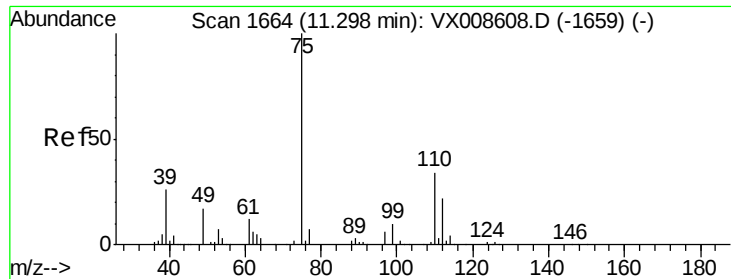
Tot Ion:164 Resp: 59852
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.6
129 94.2 75.8 113.8
131 89.6 71.8 107.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008699.D
Acq: 05 Apr 2019 22:02

Tgt Ion:152 Resp: 128436
Ion Ratio Lower Upper
152 100
115 59.6 43.5 130.5
150 156.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.275 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

Instrument :

MSVOA_X

ClientSampleId :

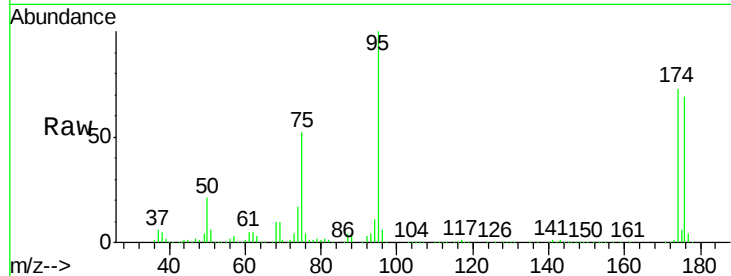
ST008MW305-190404DL

Tot Ion: 75 Resp: 75063

Ion Ratio Lower Upper

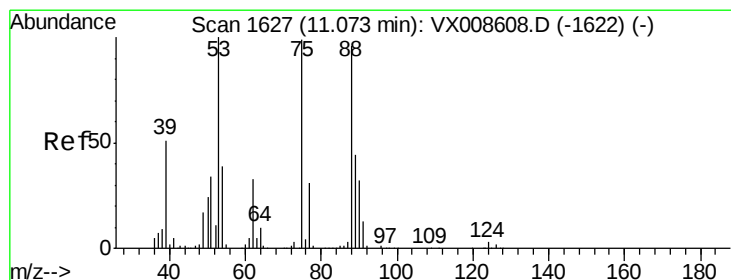
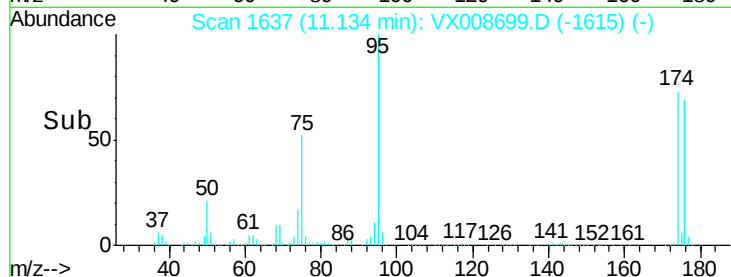
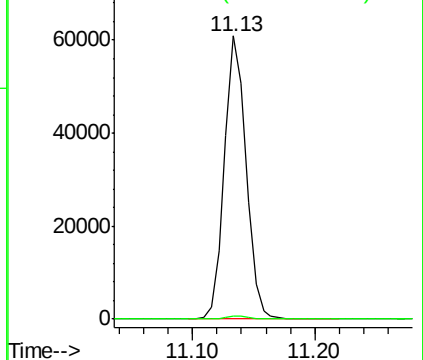
75 100

77 1.3 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: 58.645 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008699.D

Acq: 05 Apr 2019 22:02

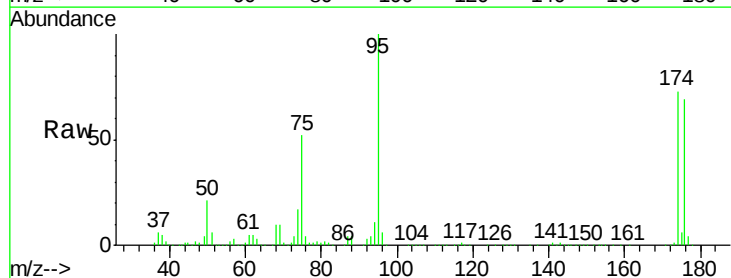
Tgt Ion: 75 Resp: 75063

Ion Ratio Lower Upper

75 100

53 0.2 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

