

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009295.D
 Acq On : 02 May 2019 23:53
 Operator : JC/SP
 Sample : K2659-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429

Quant Time: May 03 02:47:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119397	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	130506	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	5.50	113	96527	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	392840	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	131283	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

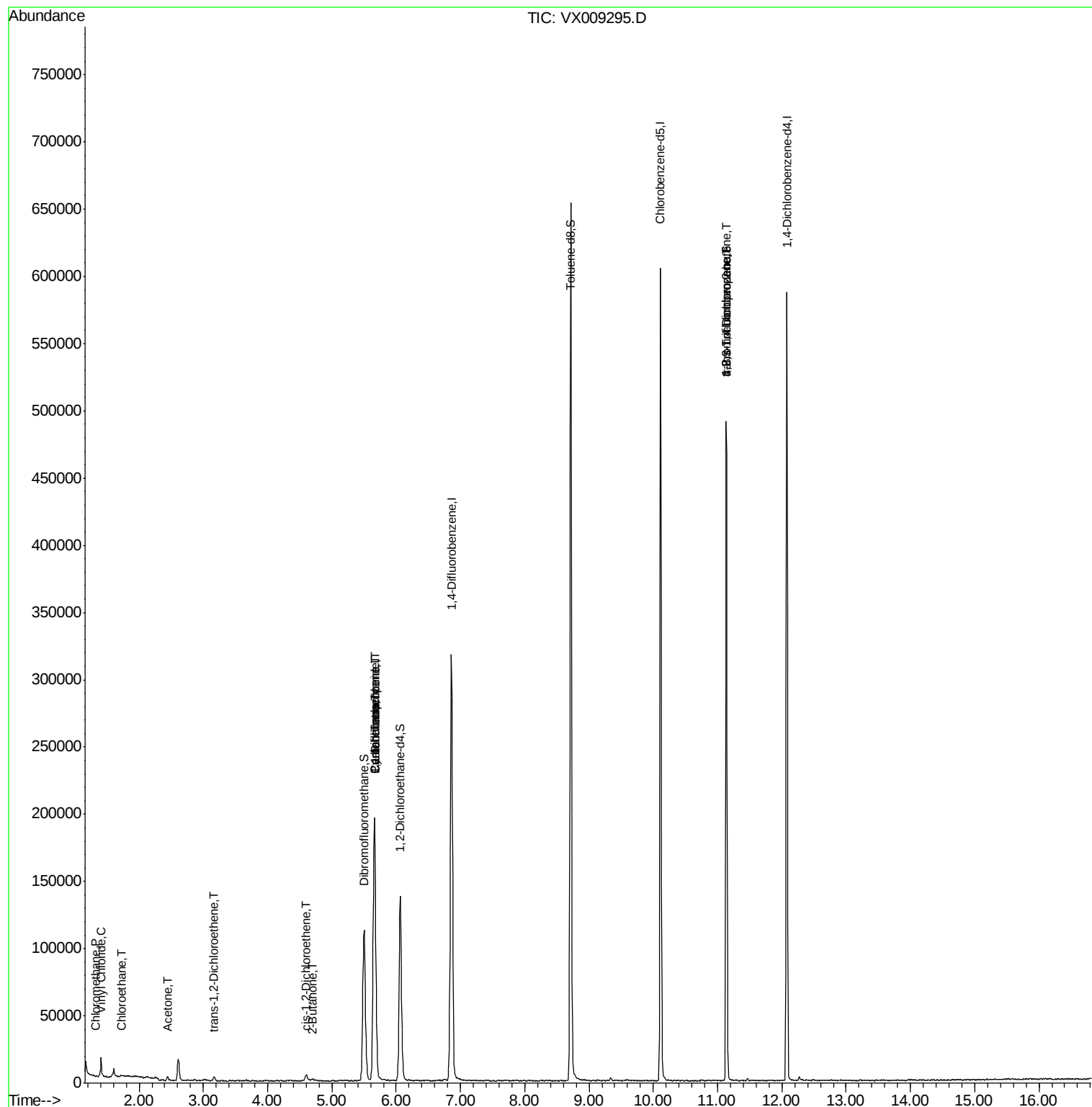
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	637	0.261	ug/l	91
4) Vinyl Chloride	1.40	62	9012	3.794	ug/l	98
6) Chloroethane	1.73	64	2139	1.403	ug/l #	67
16) Acetone	2.45	43	3106	2.188	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	861	0.437	ug/l #	84
25) 2-Butanone	4.70	43	828	0.375	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2236	0.951	ug/l	96
28) Bromochloromethane	4.99	49	67	Below Cal	#	20
31) Cyclohexane	5.66	56	4250	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15446	5.260	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18074	6.774	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	67651	24.426	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67651	62.498	ug/l #	10

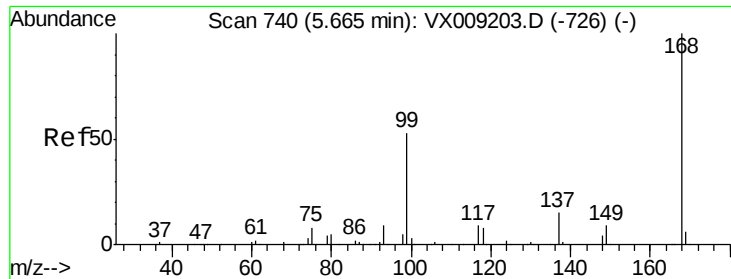
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

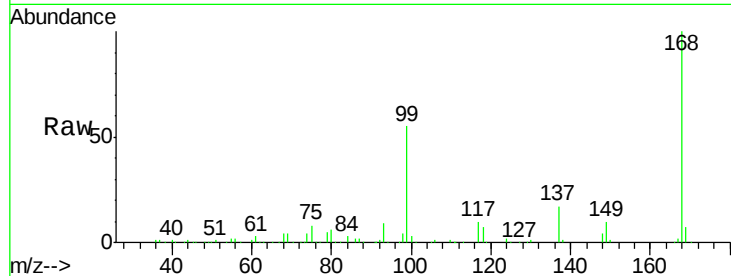
SS050MW641-190429

Tot Ion:168 Resp: 193626

Ion Ratio Lower Upper

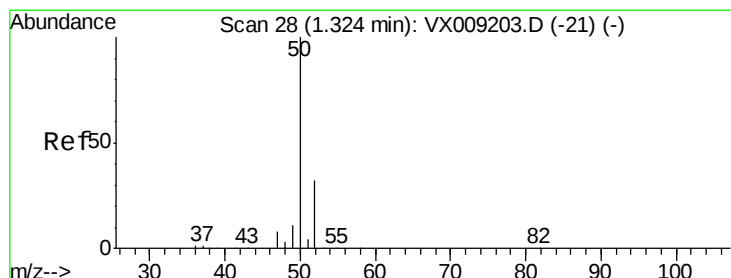
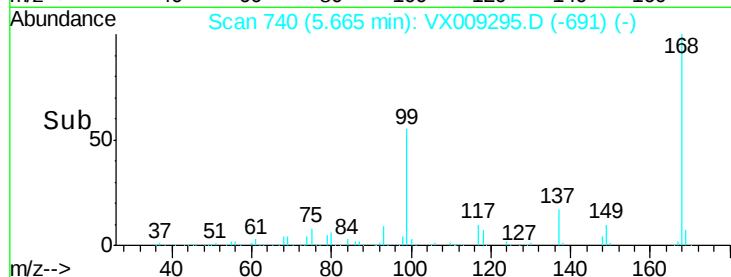
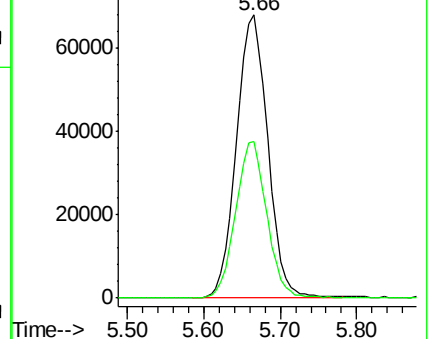
168 100

99 55.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009295.D

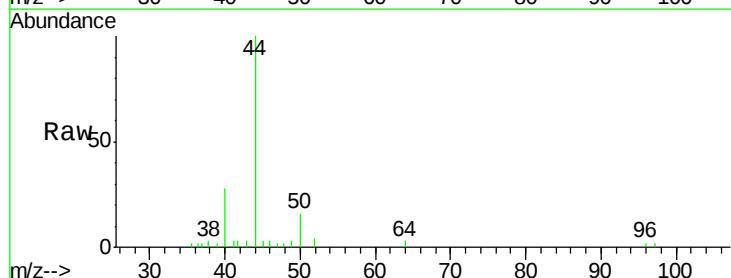
Acq: 02 May 2019 23:53

Tgt Ion: 50 Resp: 637

Ion Ratio Lower Upper

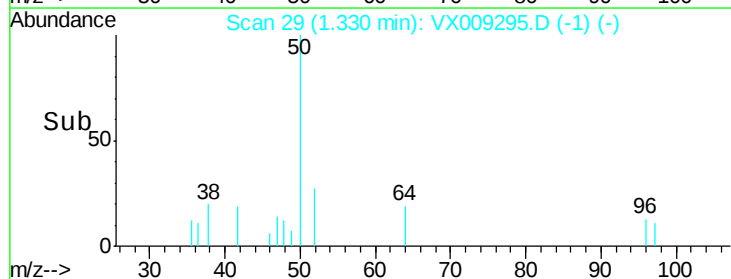
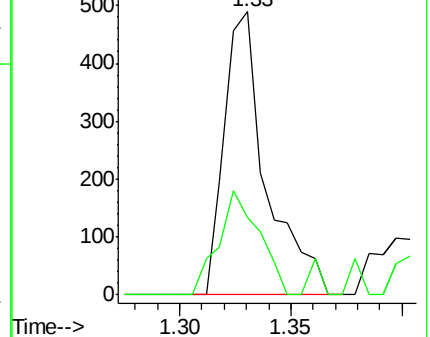
50 100

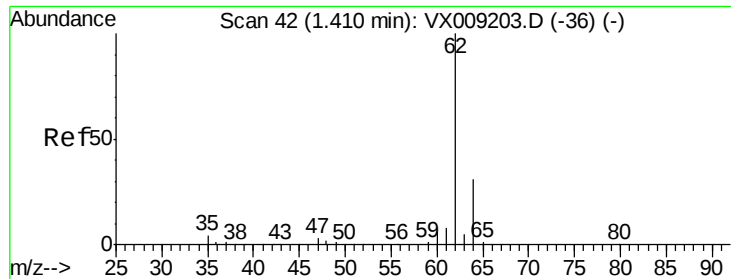
52 27.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 3.794 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

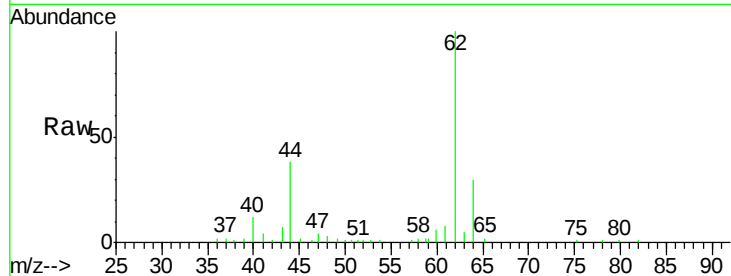
SS050MW641-190429

Tot Ion: 62 Resp: 9012

Ion Ratio Lower Upper

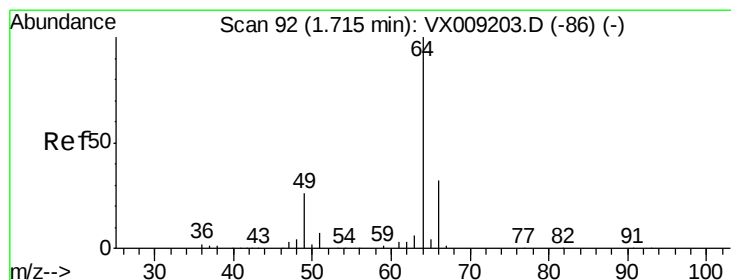
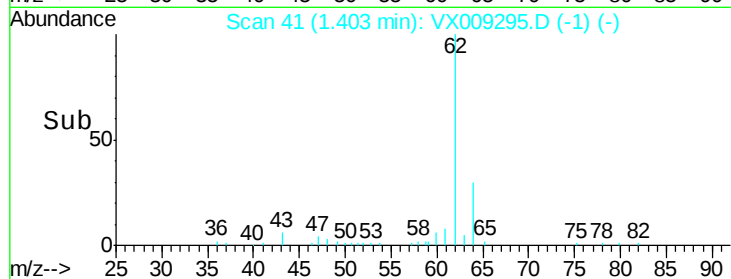
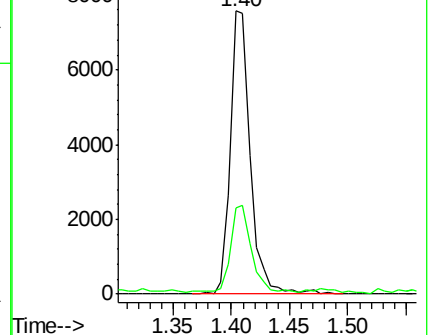
62 100

64 29.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 1.403 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009295.D

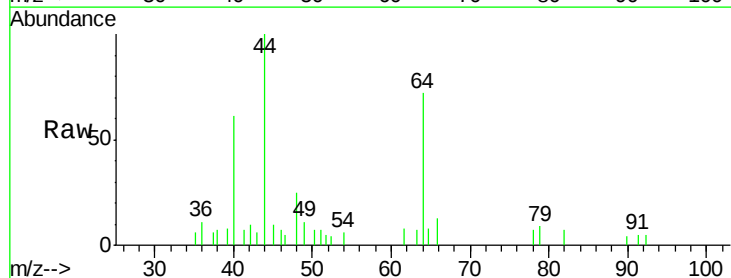
Acq: 02 May 2019 23:53

Tgt Ion: 64 Resp: 2139

Ion Ratio Lower Upper

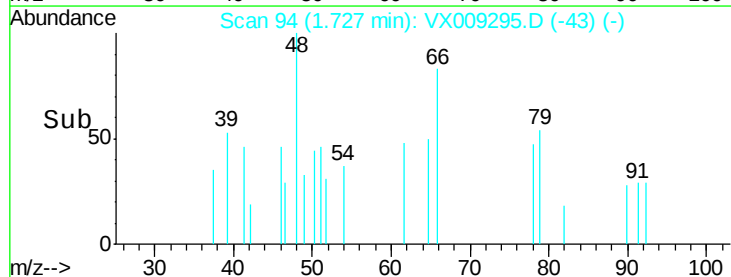
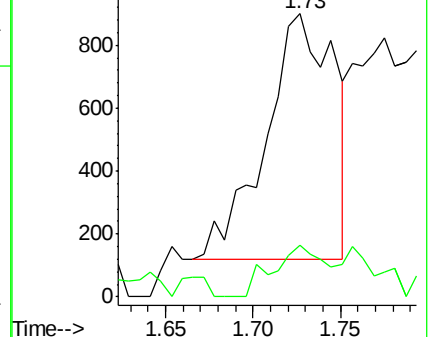
64 100

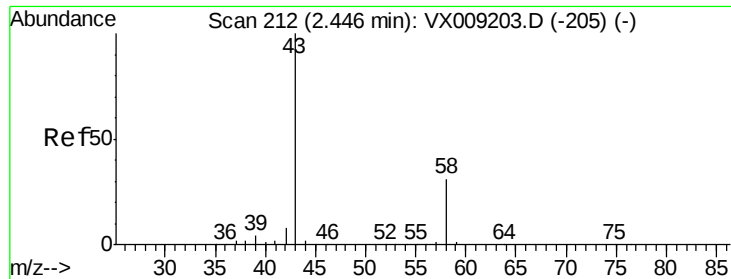
66 13.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

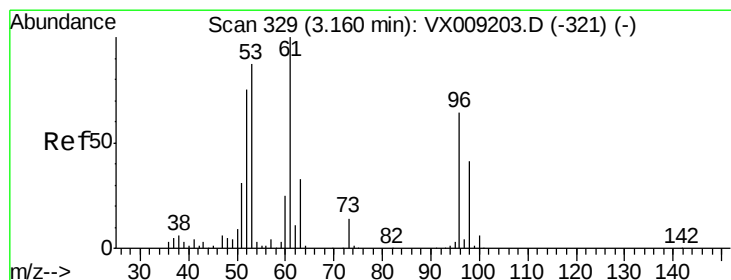
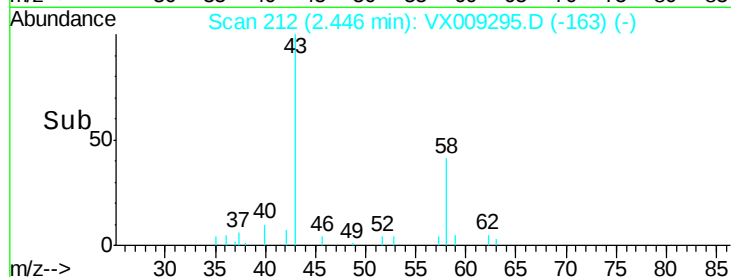
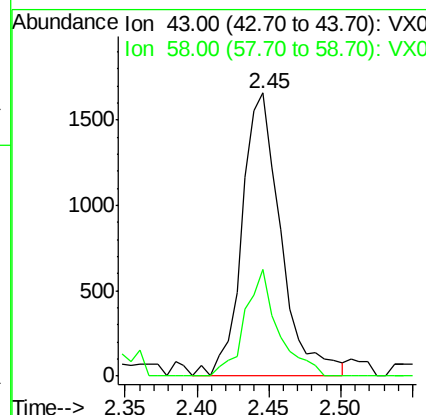
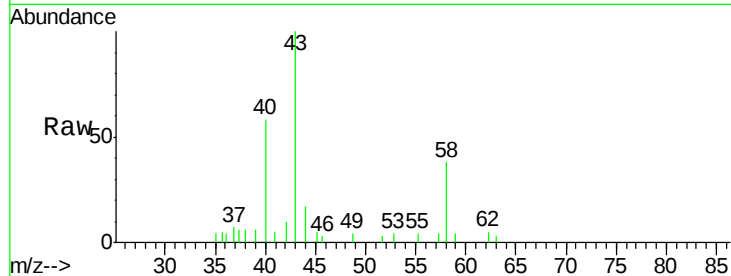




#16
Acetone
Concen: 2.188 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009295.D
Acq: 02 May 2019 23:53

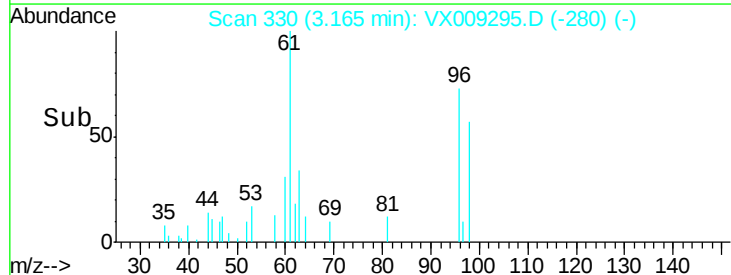
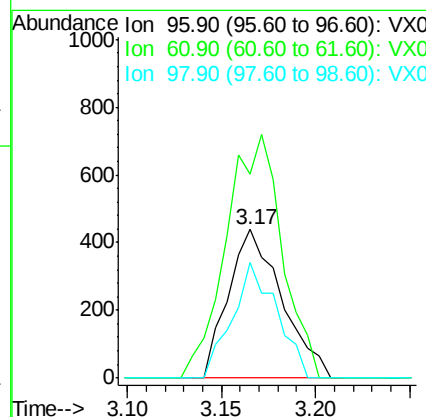
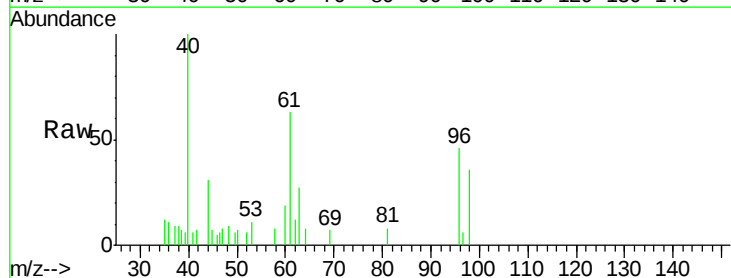
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429

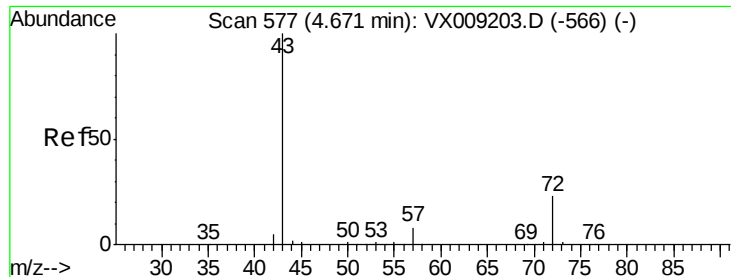
Tot Ion: 43 Resp: 3106
Ion Ratio Lower Upper
43 100
58 37.9 24.9 37.3#



#21
trans-1,2-Dichloroethene
Concen: 0.437 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009295.D
Acq: 02 May 2019 23:53

Tgt Ion: 96 Resp: 861
Ion Ratio Lower Upper
96 100
61 137.2 124.5 186.7
98 78.1 50.4 75.6#





#25

2-Butanone

Concen: 0.375 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

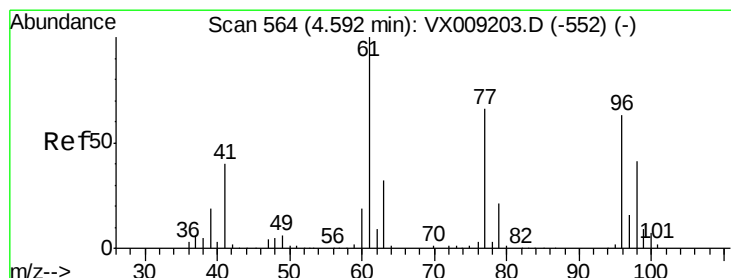
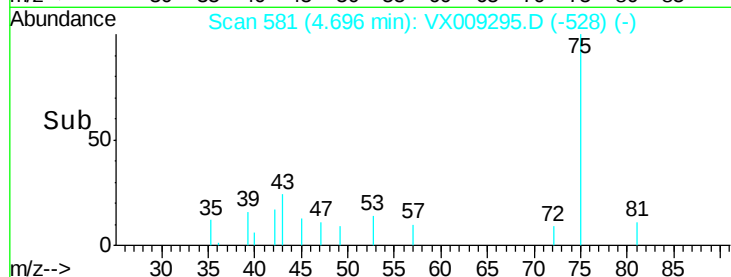
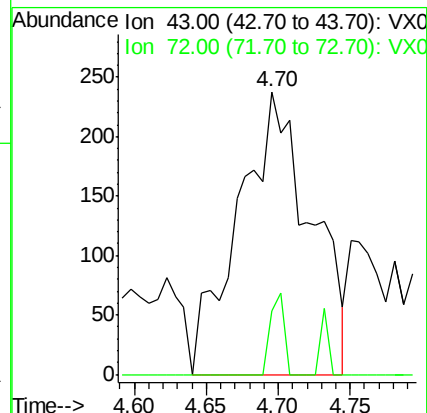
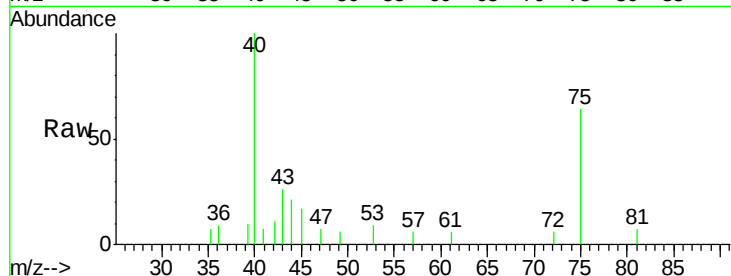
SS050MW641-190429

Tot Ion: 43 Resp: 828

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.2



#27

cis-1,2-Dichloroethene

Concen: 0.951 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

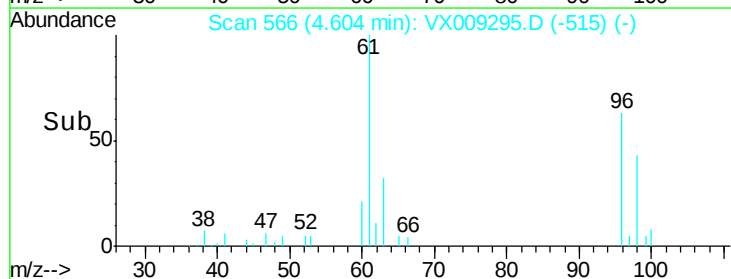
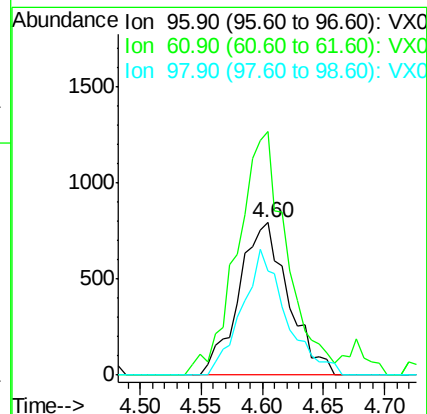
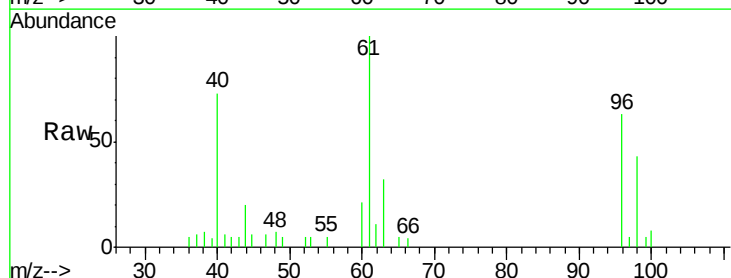
Tgt Ion: 96 Resp: 2236

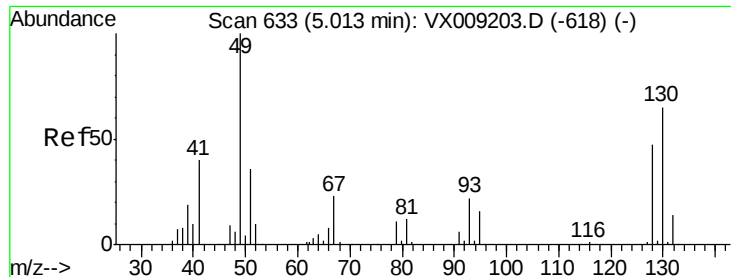
Ion Ratio Lower Upper

96 100

61 159.3 0.0 324.0

98 73.2 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429

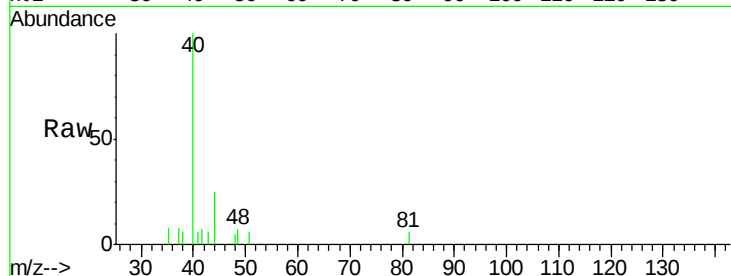
Tot Ion: 49 Resp: 67

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

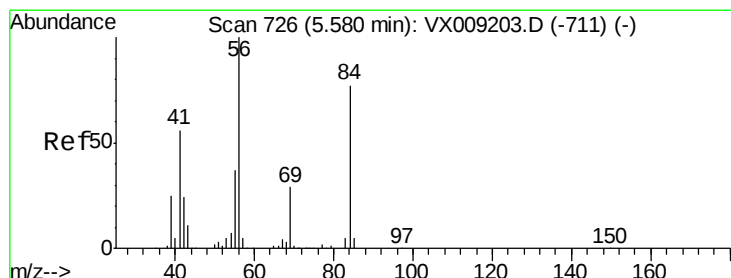
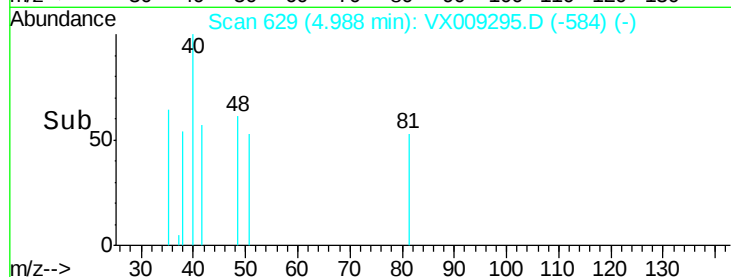
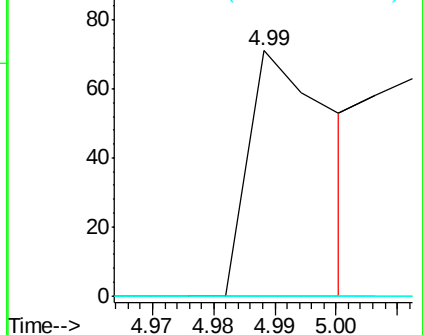
130 0.0 51.2 76.8#



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: 1.088 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

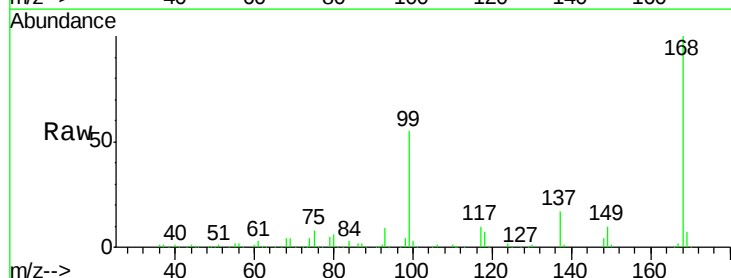
Tgt Ion: 56 Resp: 4250

Ion Ratio Lower Upper

56 100

69 176.0 23.4 35.0#

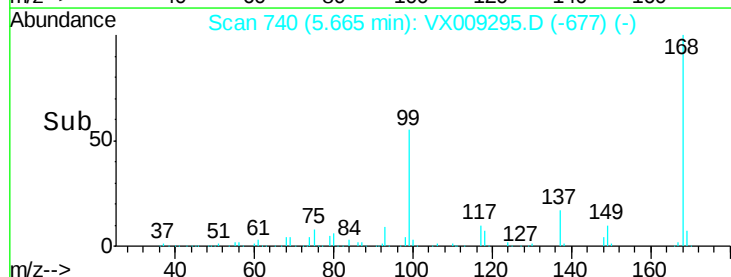
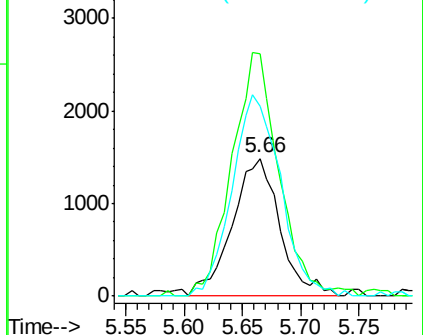
84 138.0 61.9 92.9#

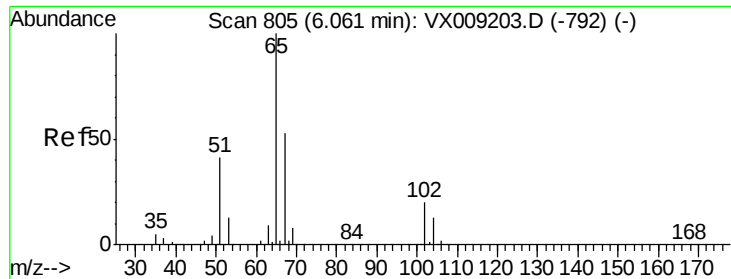


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.374 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

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ClientSampleId :

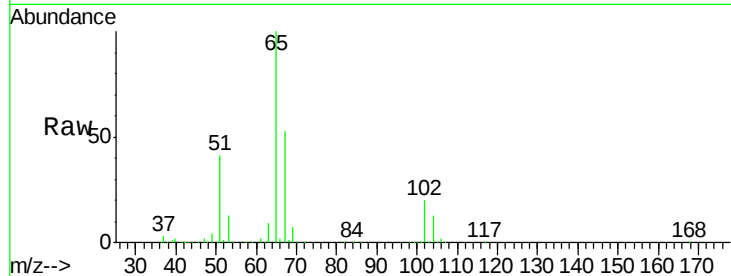
SS050MW641-190429

Tot Ion: 65 Resp: 130506

Ion Ratio Lower Upper

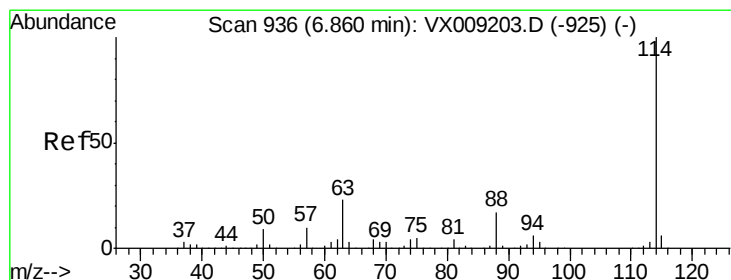
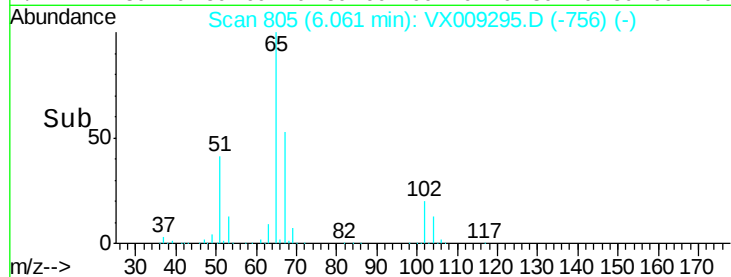
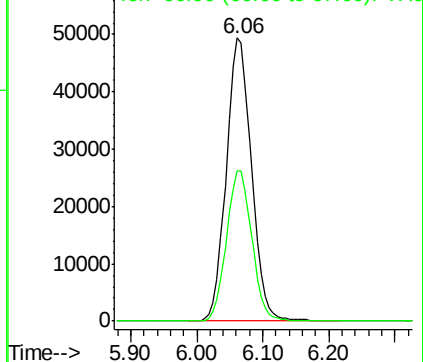
65 100

67 53.4 0.0 106.6



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: VX009295.D

Acq: 02 May 2019 23:53

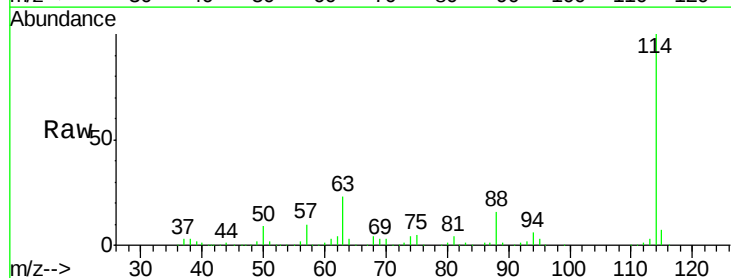
Tgt Ion: 114 Resp: 315996

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

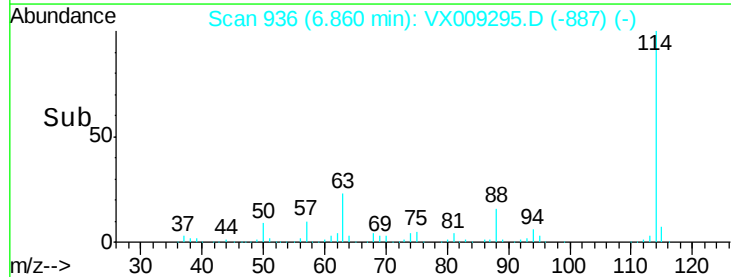
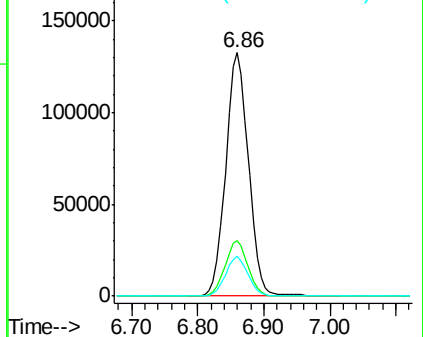
88 16.4 0.0 33.2

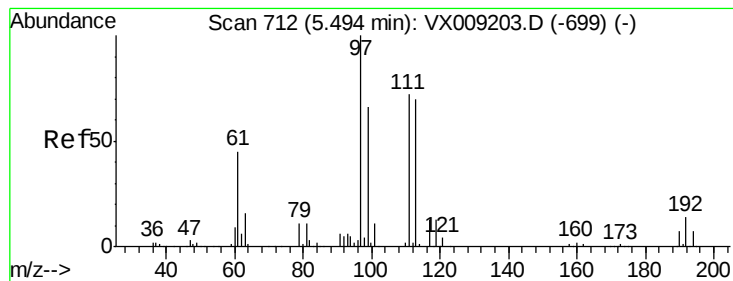


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.592 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

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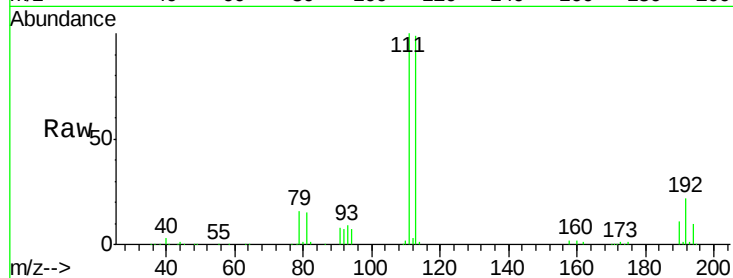
Tot Ion:113 Resp: 96527

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

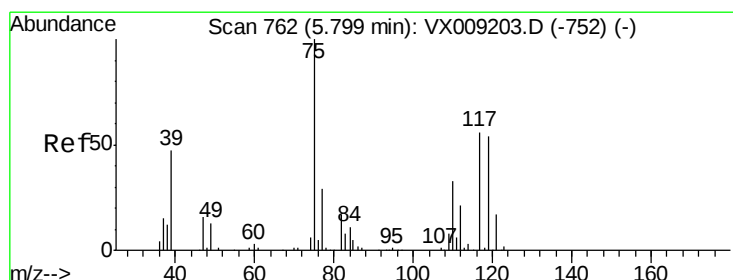
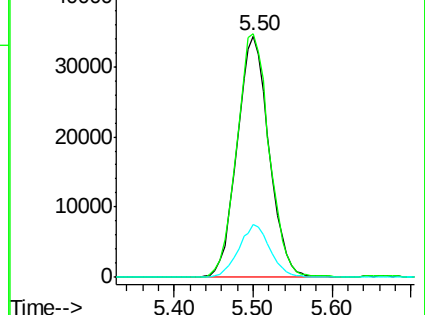
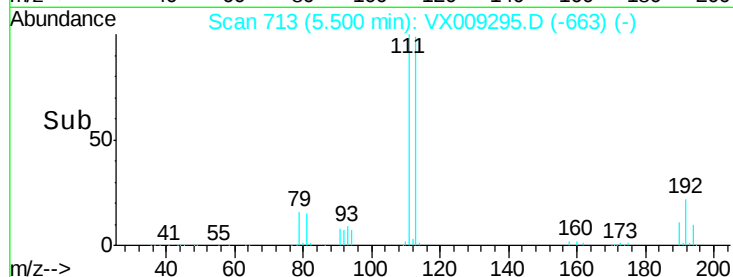
192 21.7 17.0 25.6



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: 5.260 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

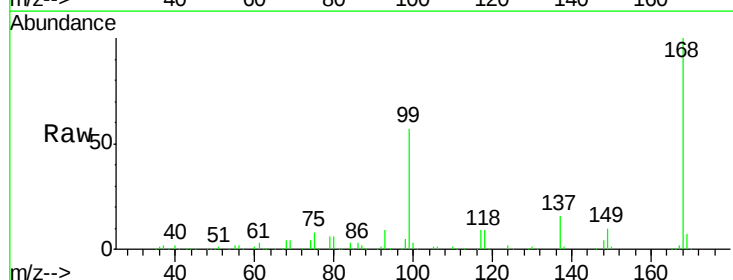
Tgt Ion: 75 Resp: 15446

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

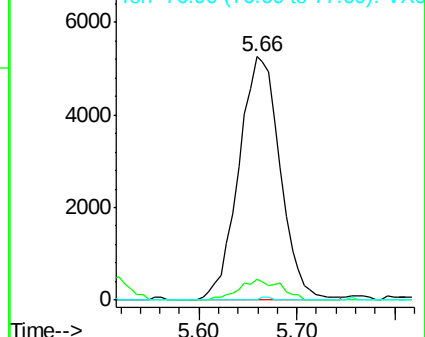
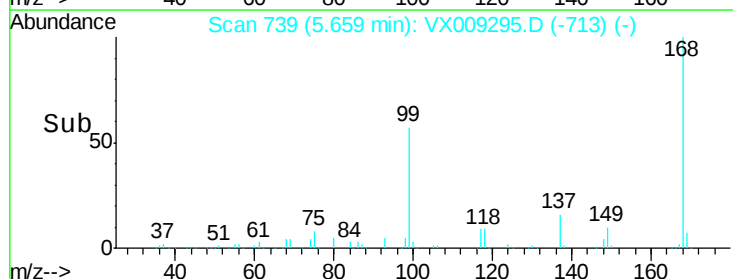
77 0.3 24.8 37.2#

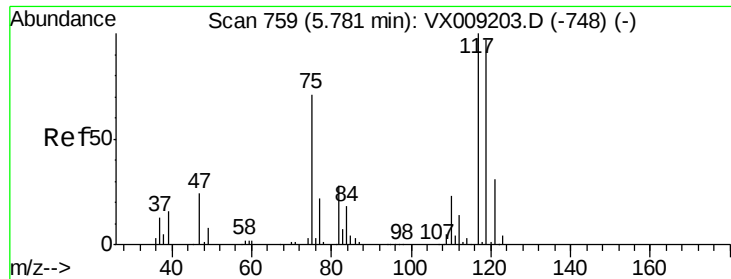


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.774 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429

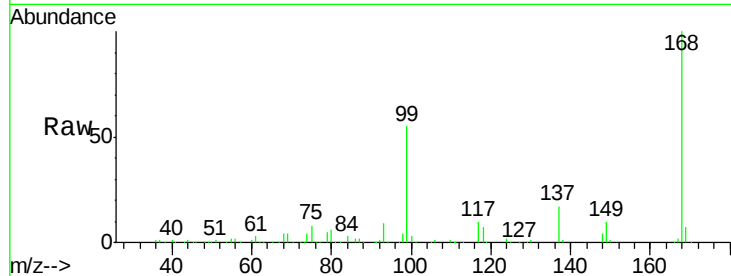
Tot Ion:117 Resp: 18074

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

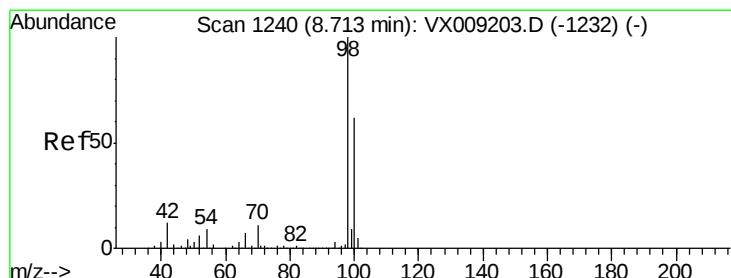
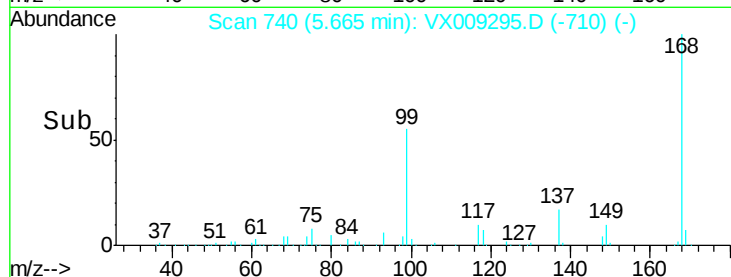
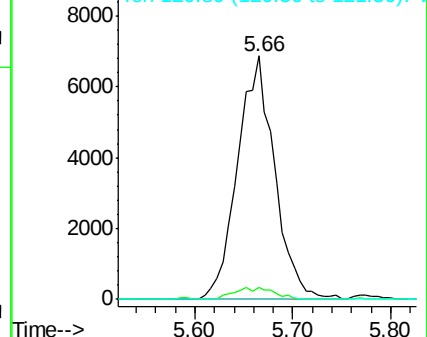
121 0.0 24.7 37.1#



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: 48.983 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009295.D

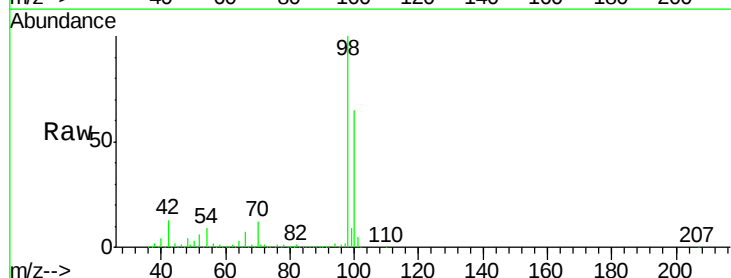
Acq: 02 May 2019 23:53

Tgt Ion: 98 Resp: 392840

Ion Ratio Lower Upper

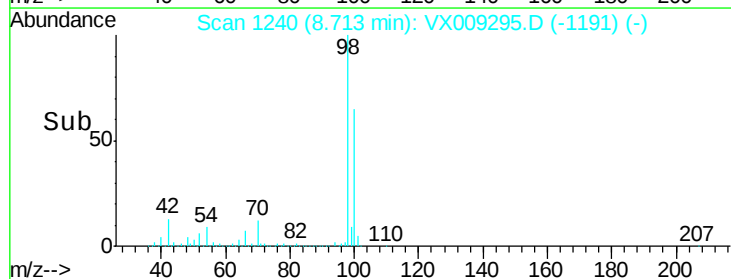
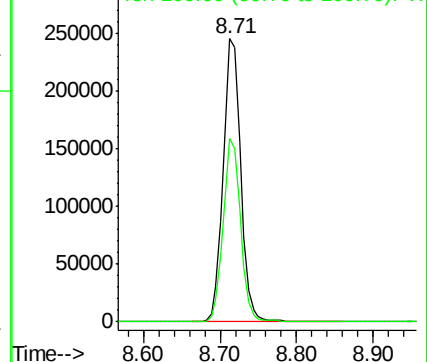
98 100

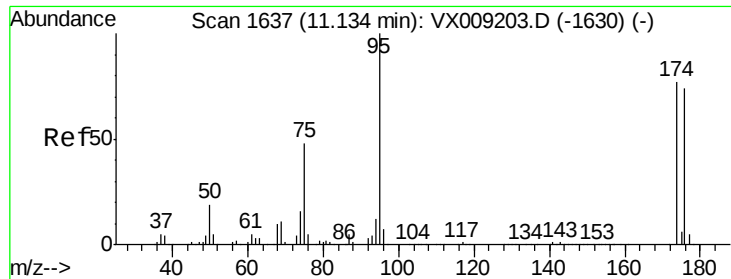
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

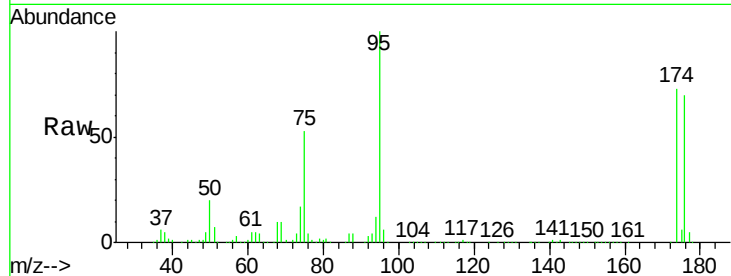




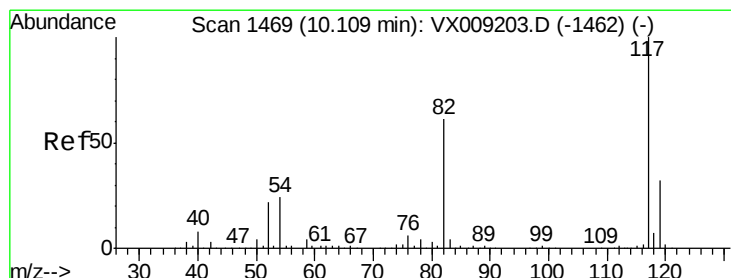
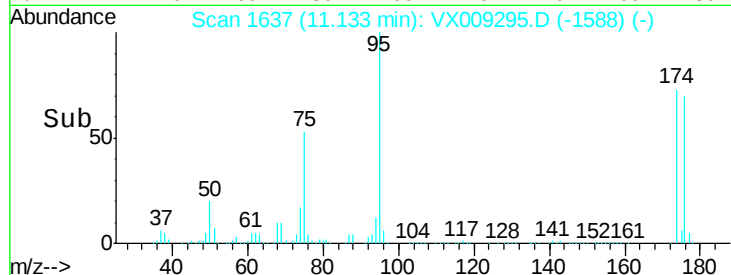
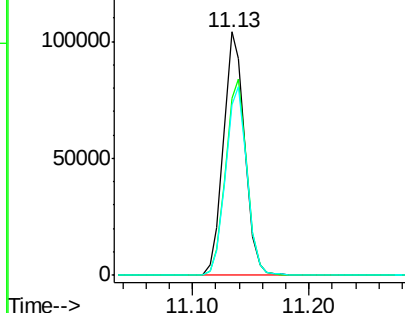
#62
4-Bromofluorobenzene
Concen: 45.051 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009295.D
Acq: 02 May 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429

Tot Ion: 95 Resp: 131283
Ion Ratio Lower Upper
95 100
174 80.6 0.0 161.6
176 78.1 0.0 159.2

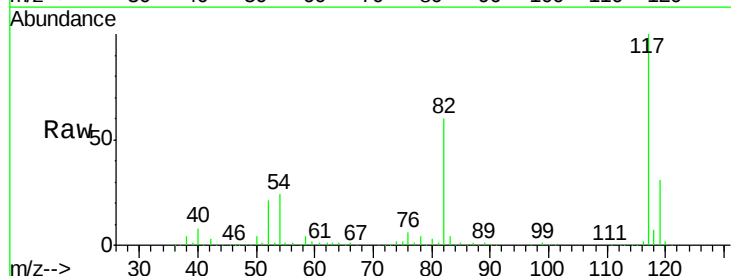


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

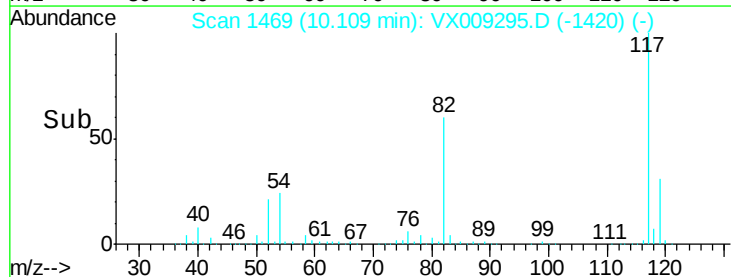
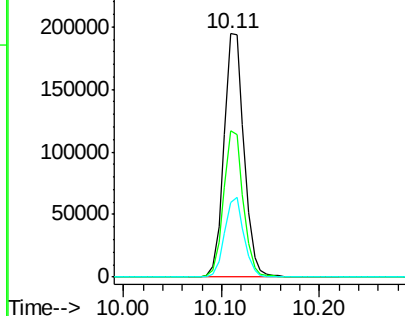


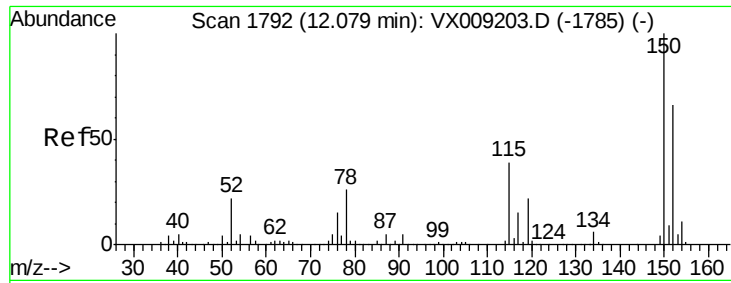
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009295.D
Acq: 02 May 2019 23:53

Tgt Ion: 117 Resp: 275822
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 30.9 25.8 38.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429

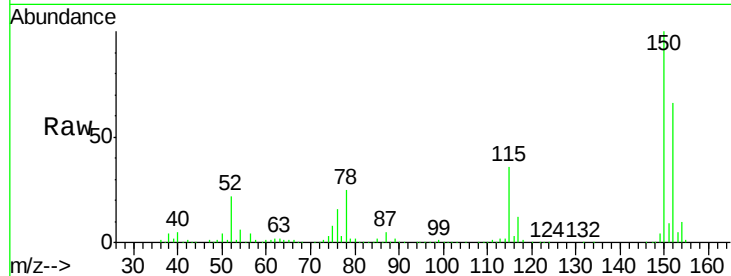
Tot Ion:152 Resp: 119397

Ion Ratio Lower Upper

152 100

115 57.6 41.2 123.6

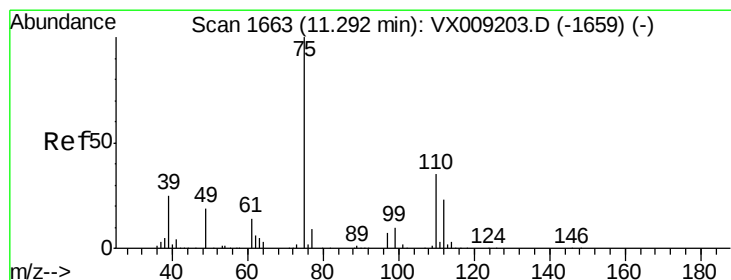
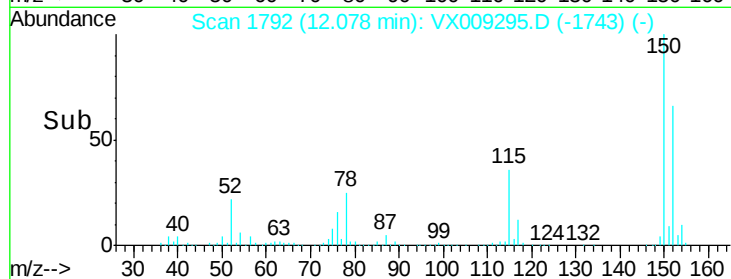
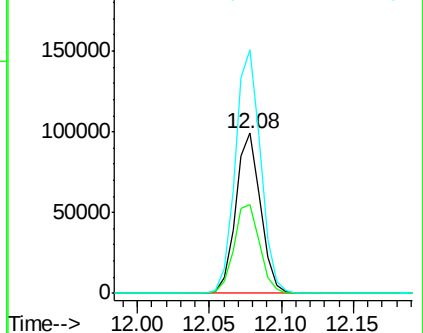
150 155.7 0.0 346.4



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: 24.426 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009295.D

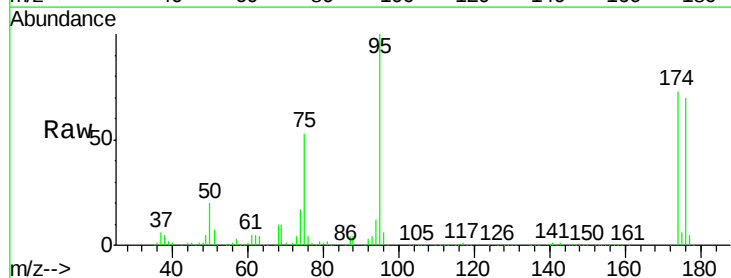
Acq: 02 May 2019 23:53

Tgt Ion: 75 Resp: 67651

Ion Ratio Lower Upper

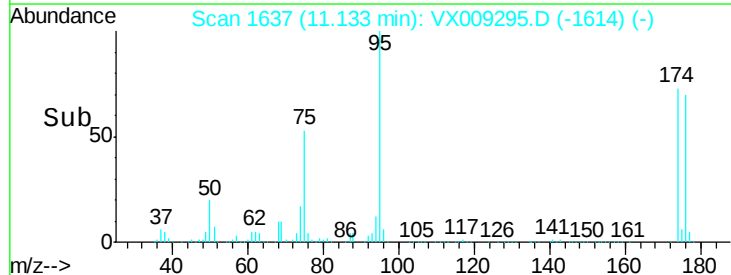
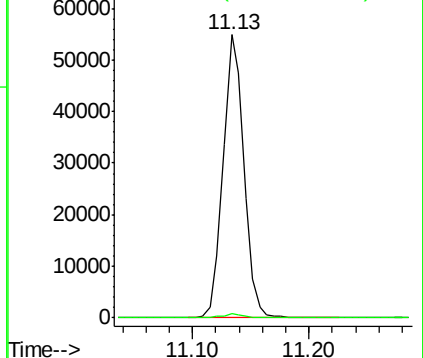
75 100

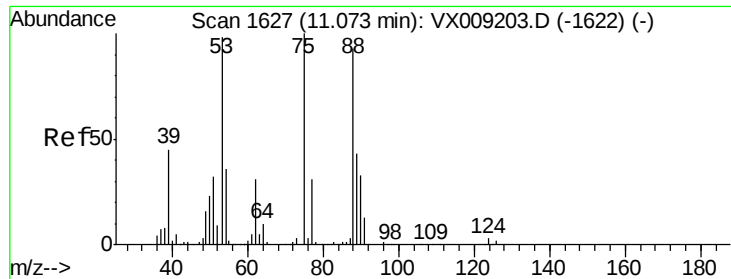
77 1.5 22.1 66.1#



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: 62.498 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009295.D

Acq: 02 May 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429

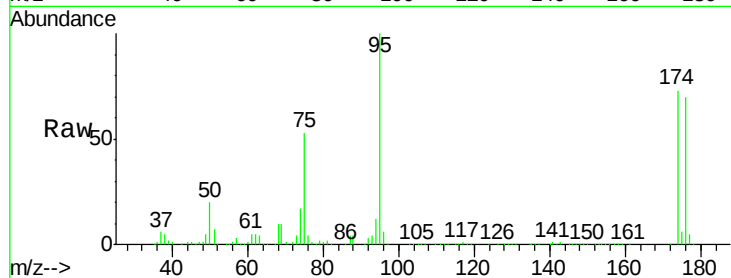
Tot Ion: 75 Resp: 67651

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

