

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009287.D
 Acq On : 02 May 2019 20:46
 Operator : JC/SP
 Sample : K2659-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS080MW504-190429

Quant Time: May 03 02:45:39 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	5.67	168	185488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114371	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	123902	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.50	113	92169	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	8.71	98	374912	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.13	95	125701	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

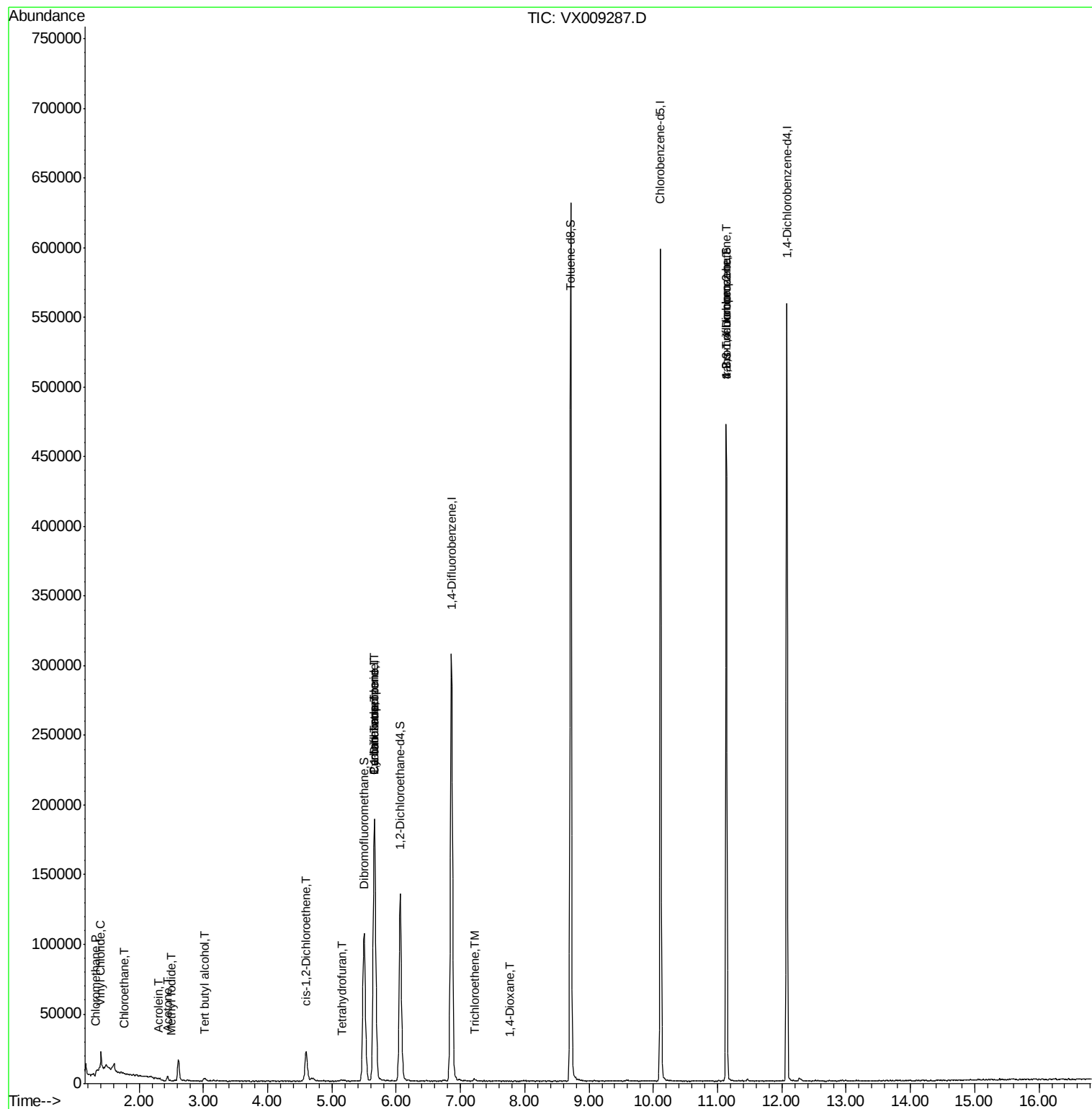
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	863	0.370	ug/l	96
4) Vinyl Chloride	1.40	62	8993	3.952	ug/l	97
6) Chloroethane	1.78	64	312	0.214	ug/l #	50
10) Methyl Iodide	2.51	142	71	4.626	ug/l #	42
11) Tert butyl alcohol	3.01	59	1654	2.822	ug/l #	76
13) Acrolein	2.29	56	127	0.239	ug/l #	14
16) Acetone	2.45	43	3384	2.489	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	13357	5.929	ug/l	89
28) Bromochloromethane	5.00	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1186	0.872	ug/l	93
31) Cyclohexane	5.65	56	4195	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14369	5.111	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17203	6.735	ug/l #	15
44) Trichloroethene	7.23	130	700	0.333	ug/l	75
49) 1,4-Dioxane	7.77	88	95	1.507	ug/l #	39
76) 1,2,3-Trichloropropane	11.13	75	64577	24.341	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64577	62.280	ug/l #	10

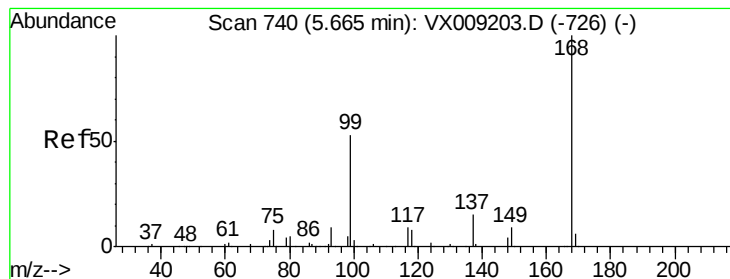
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 30 07:03:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

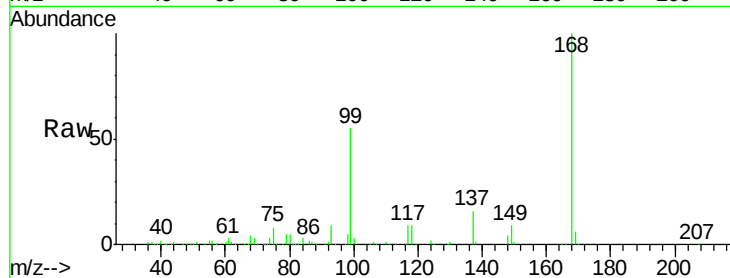
SS080MW504-190429

Tot Ion:168 Resp: 185488

Ion Ratio Lower Upper

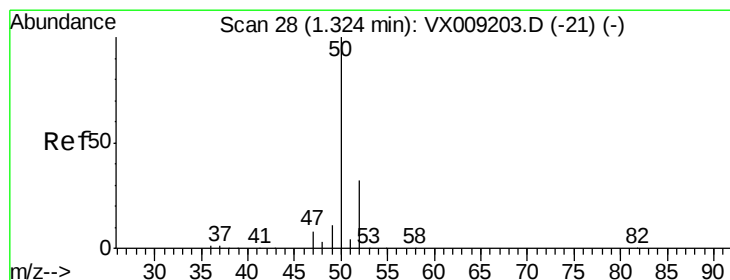
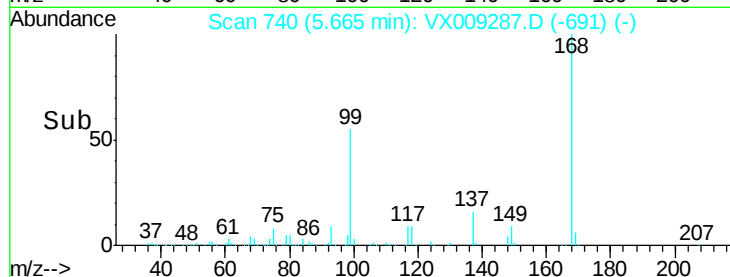
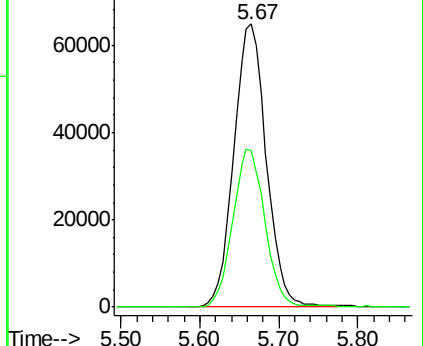
168 100

99 55.3 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: 0.370 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009287.D

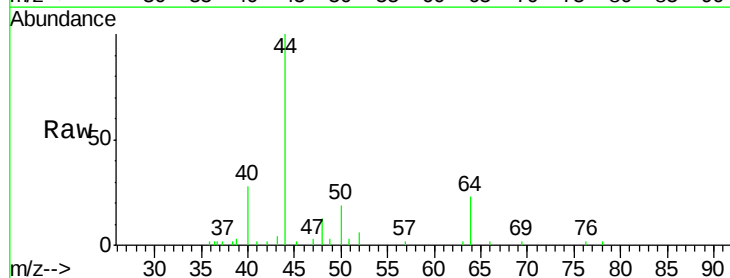
Acq: 02 May 2019 20:46

Tgt Ion: 50 Resp: 863

Ion Ratio Lower Upper

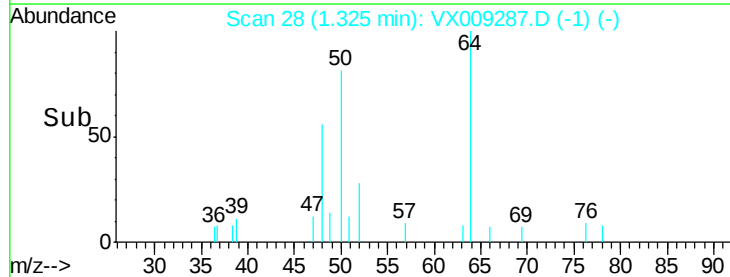
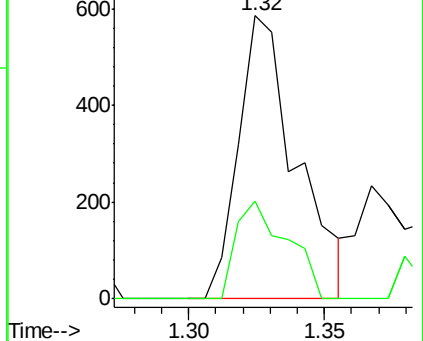
50 100

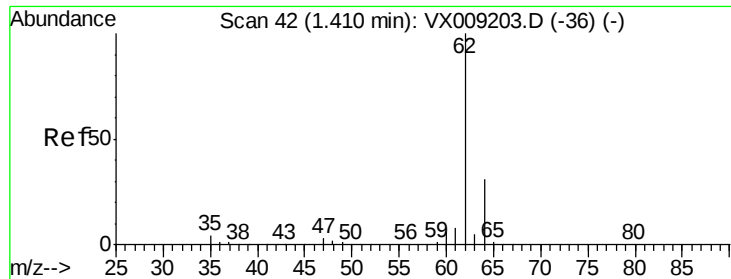
52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 3.952 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

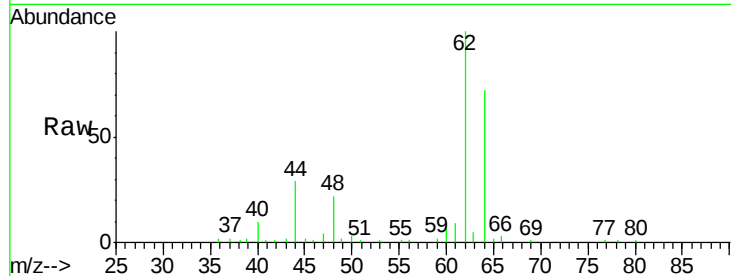
SS080MW504-190429

Tot Ion: 62 Resp: 8993

Ion Ratio Lower Upper

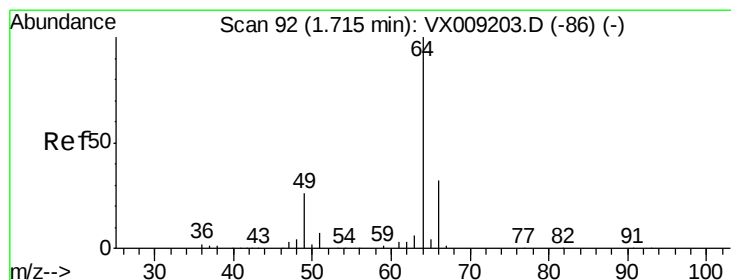
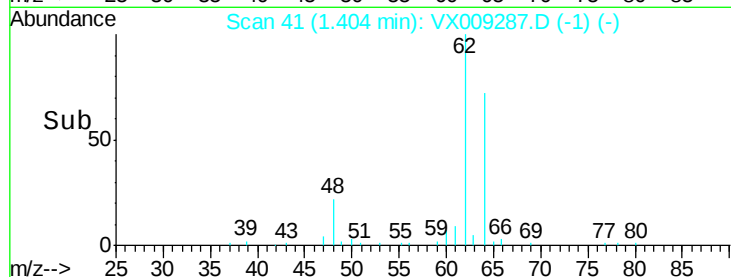
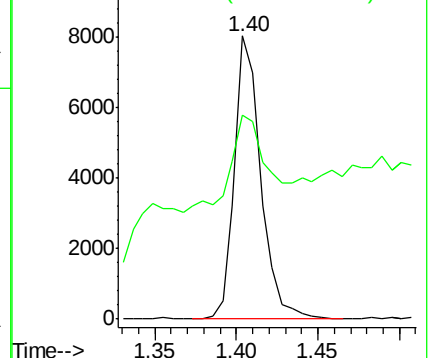
62 100

64 32.2 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: 0.214 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX009287.D

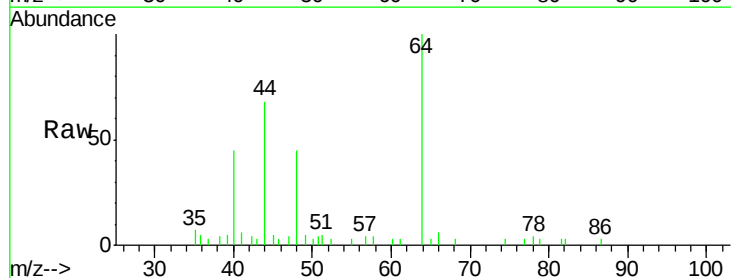
Acq: 02 May 2019 20:46

Tgt Ion: 64 Resp: 312

Ion Ratio Lower Upper

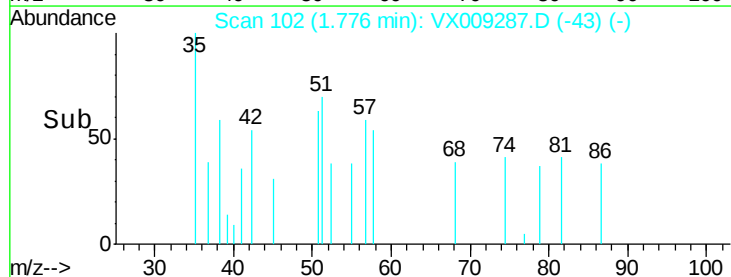
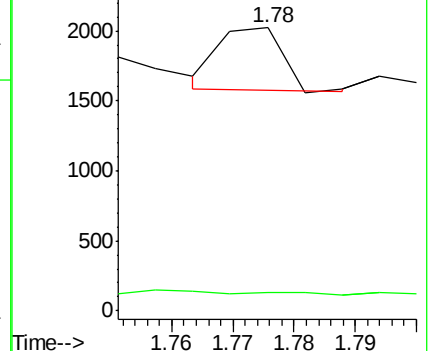
64 100

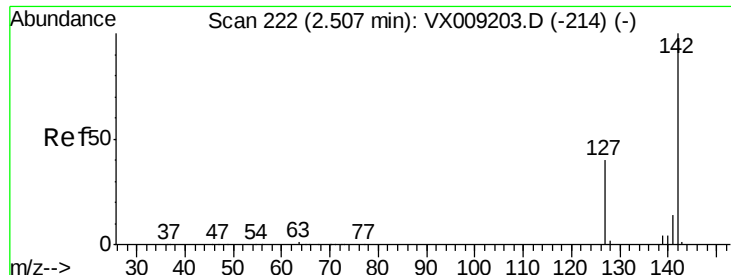
66 3.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

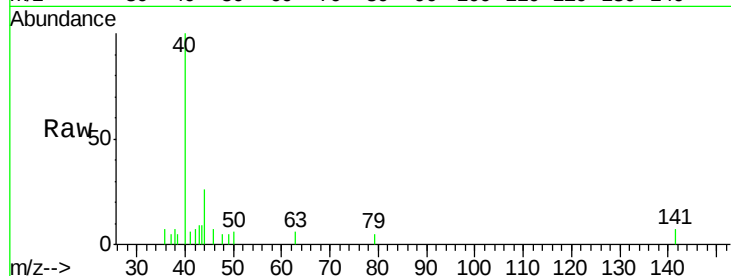




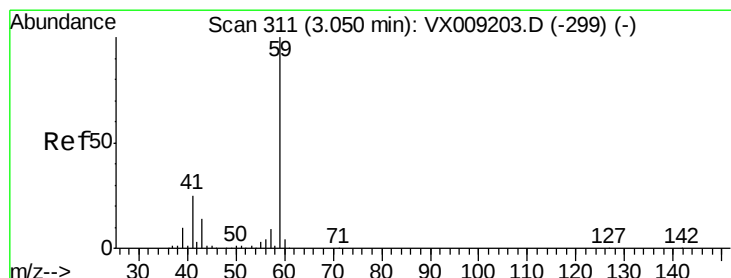
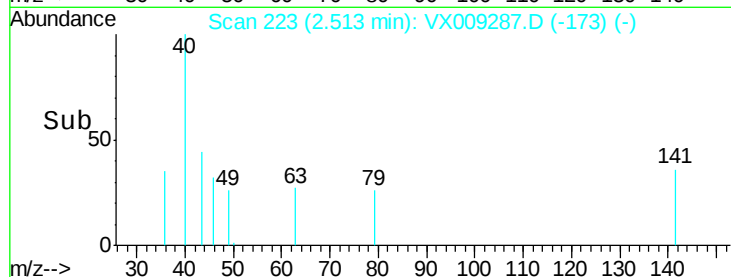
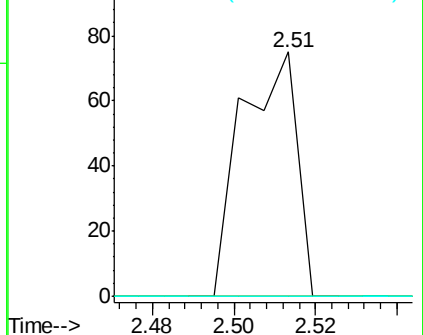
#10
Methyl Iodide
Concen: 4.626 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
SS080MW504-190429

Tot Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

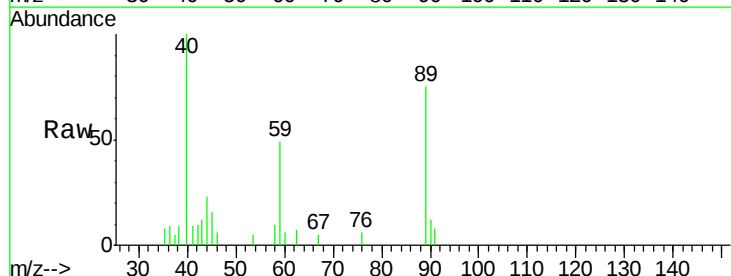


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

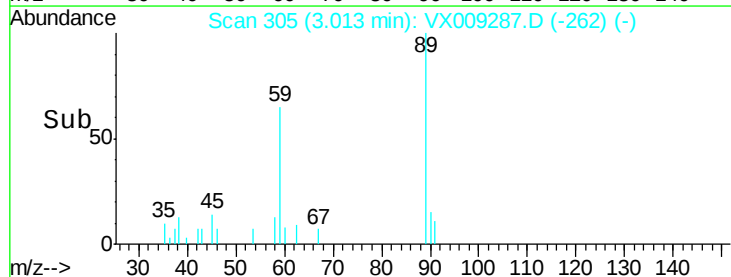
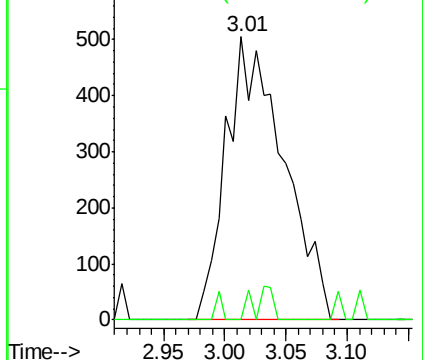


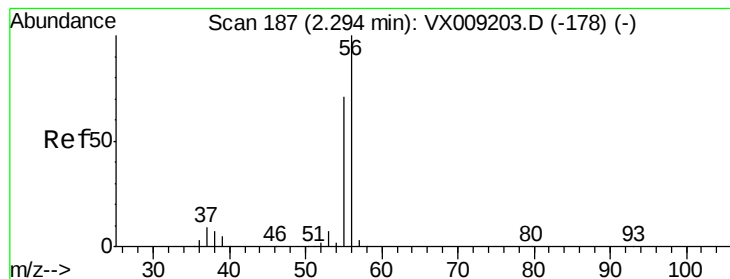
#11
Tert butyl alcohol
Concen: 2.822 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

Tgt Ion: 59 Resp: 1654
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.239 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

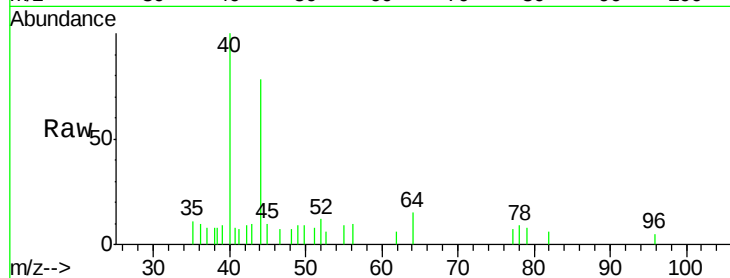
SS080MW504-190429

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

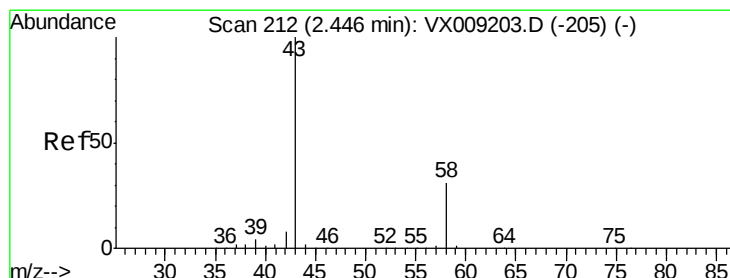
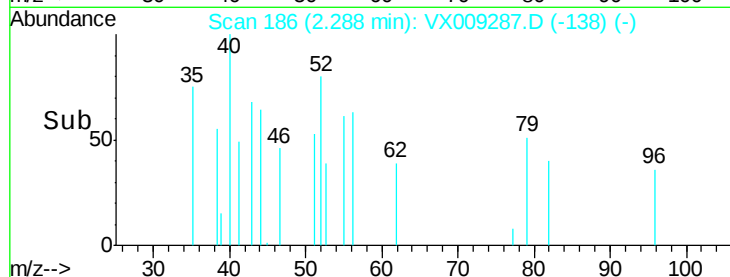
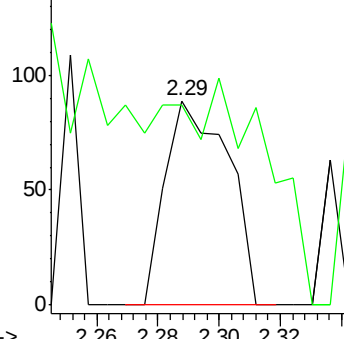
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.489 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009287.D

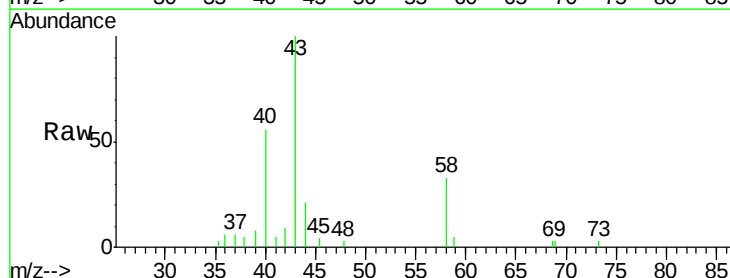
Acq: 02 May 2019 20:46

Tgt Ion: 43 Resp: 3384

Ion Ratio Lower Upper

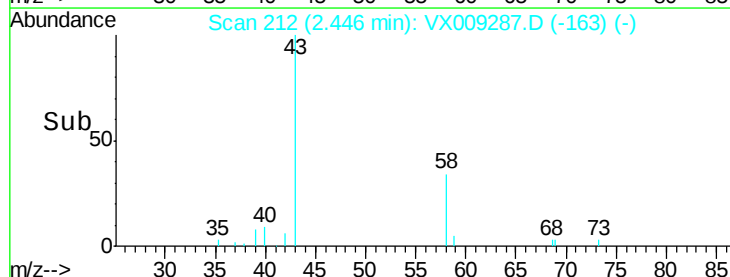
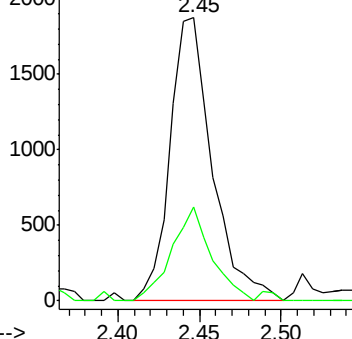
43 100

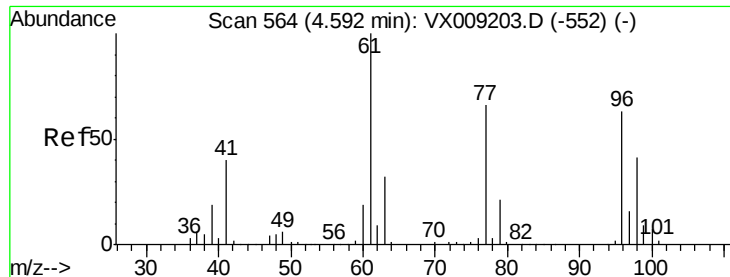
58 33.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



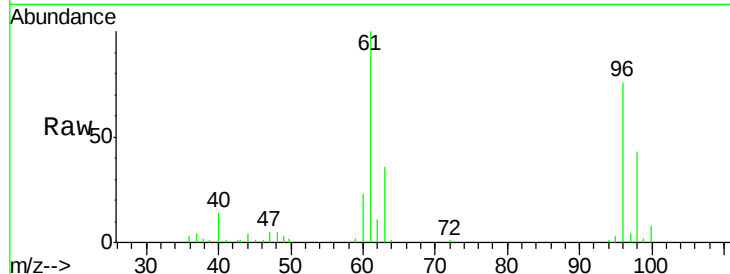


#27

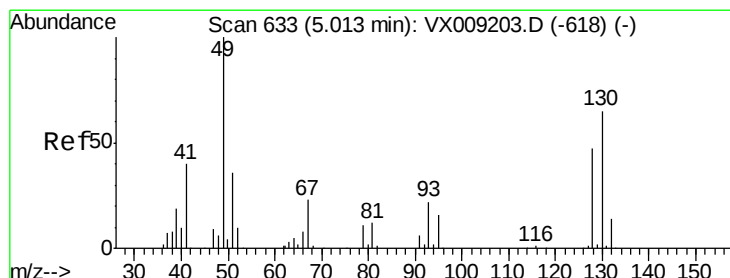
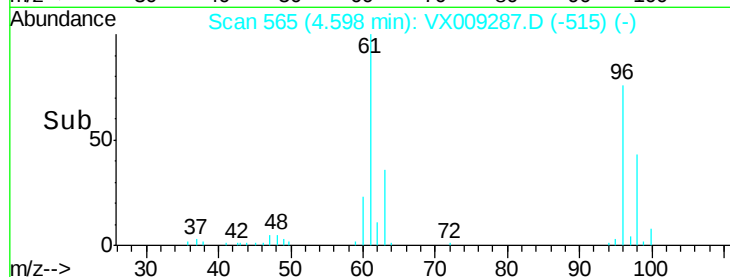
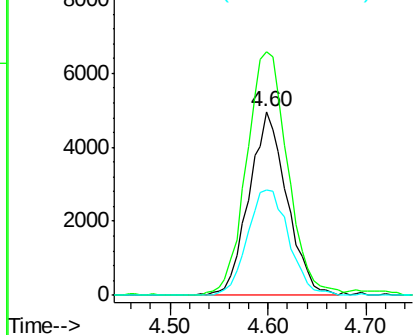
cis-1,2-Dichloroethene
 Concen: 5.929 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 SS080MW504-190429

Tot Ion: 96 Resp: 13357
 Ion Ratio Lower Upper
 96 100
 61 144.0 0.0 324.0
 98 62.8 0.0 130.4



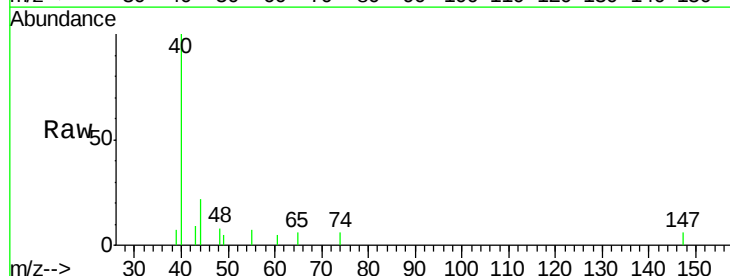
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



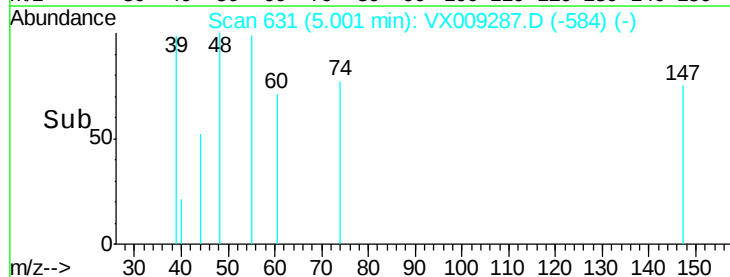
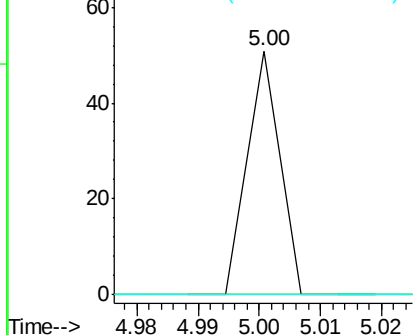
#28

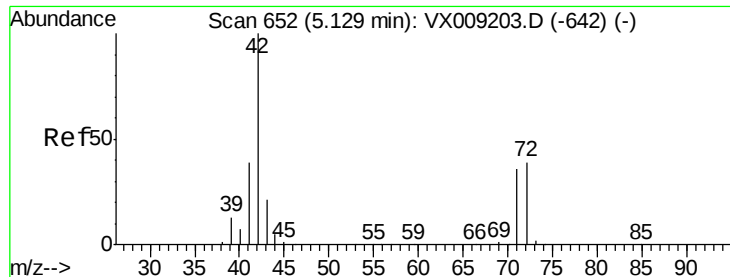
Bromochloromethane
 Concen: Below Cal
 RT: 5.00 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

Tgt Ion: 49 Resp: 19
 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

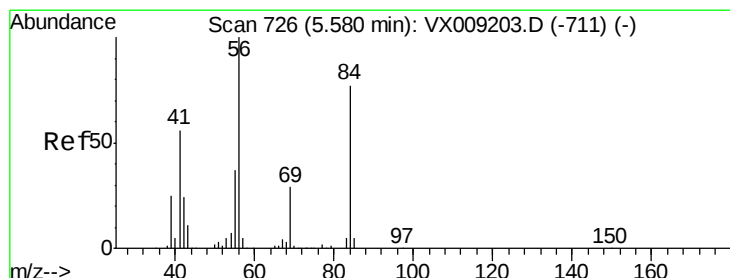
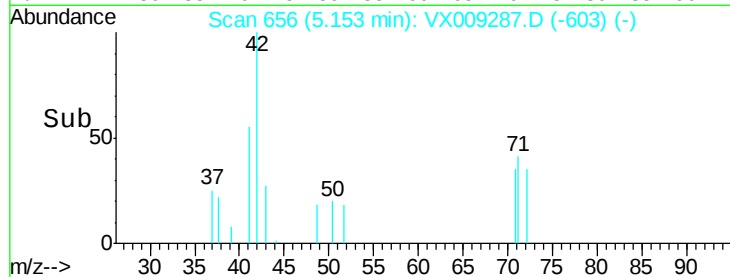
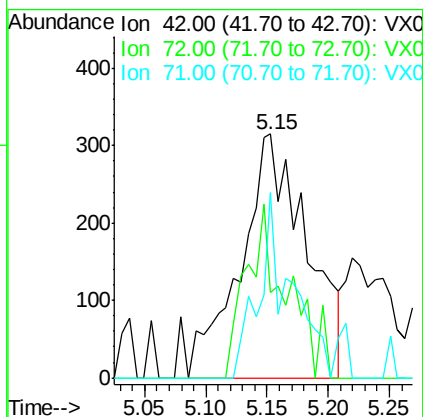
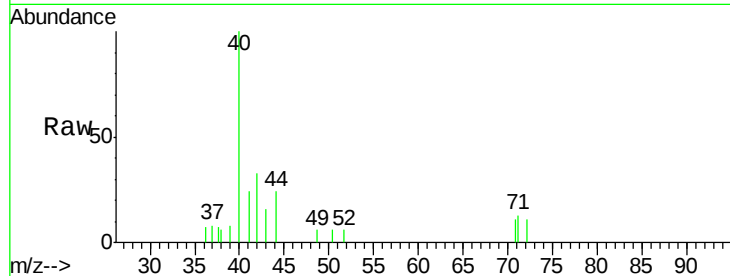




#29
Tetrahydrofuran
Concen: 0.872 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

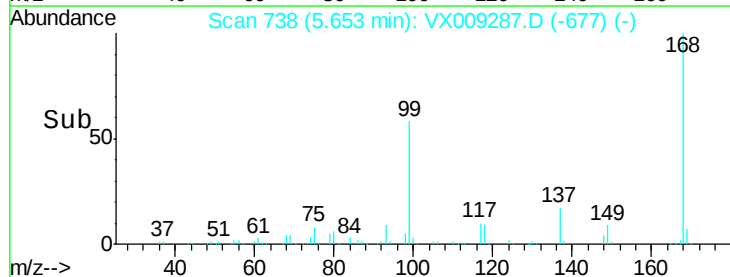
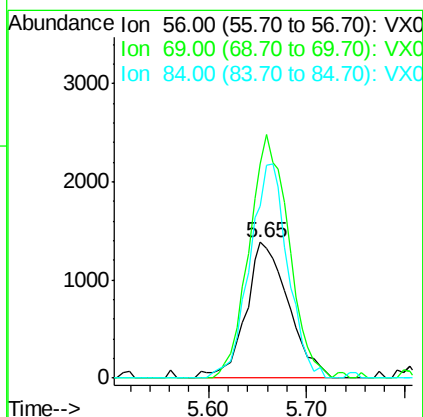
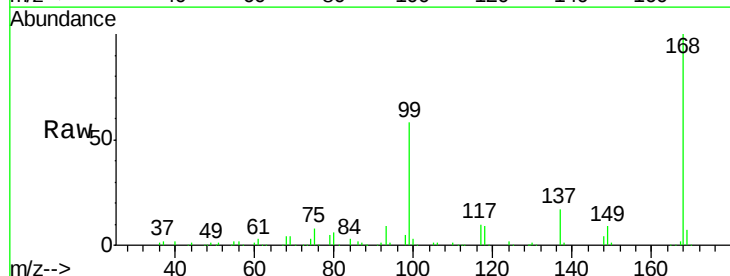
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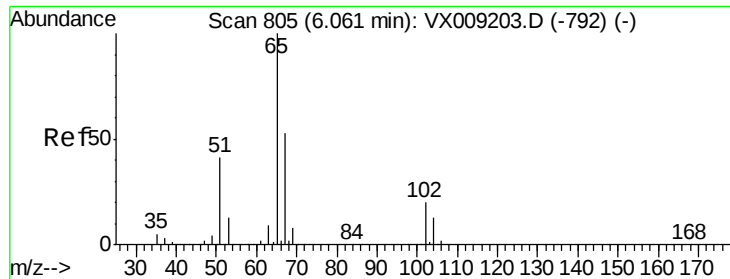
Tot Ion: 42 Resp: 1186
Ion Ratio Lower Upper
42 100
72 31.5 30.4 45.6
71 37.3 28.6 43.0



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

Tgt Ion: 56 Resp: 4195
Ion Ratio Lower Upper
56 100
69 157.6 23.4 35.0#
84 127.2 61.9 92.9#

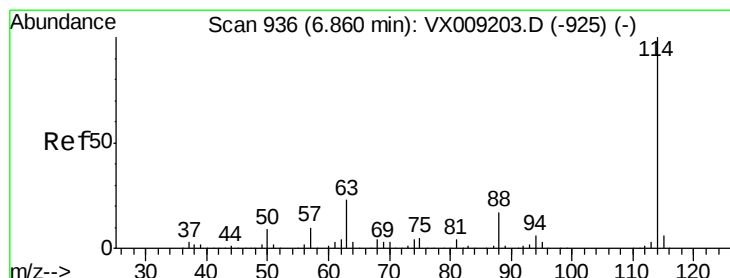
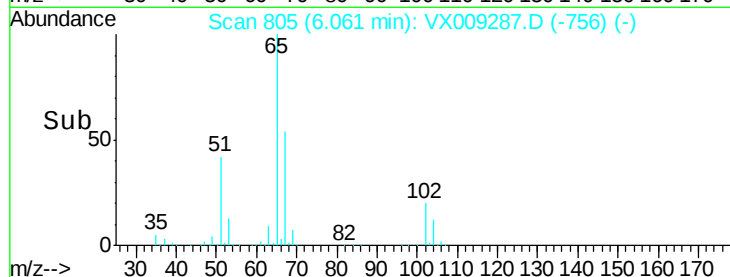
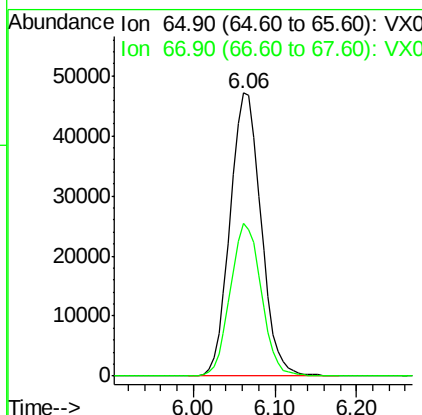
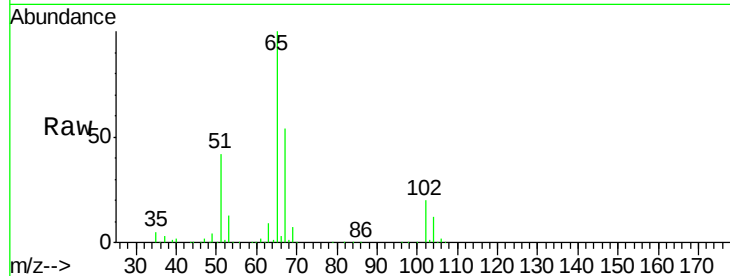




#33
 1,2-Dichloroethane-d4
 Concen: 48.932 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

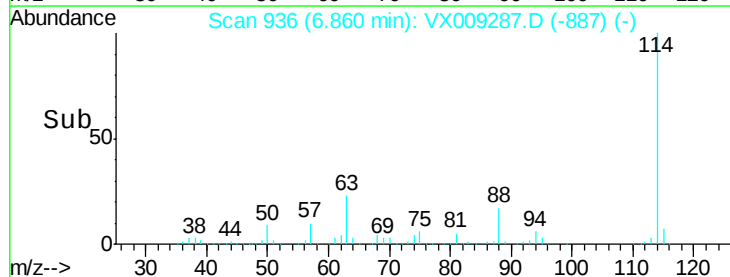
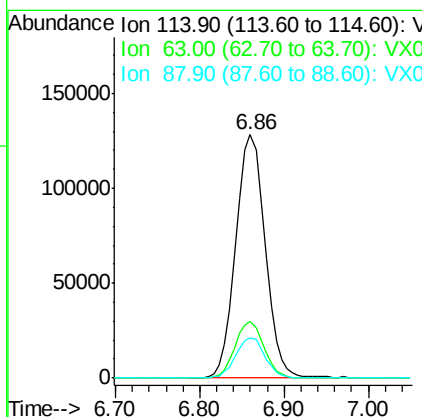
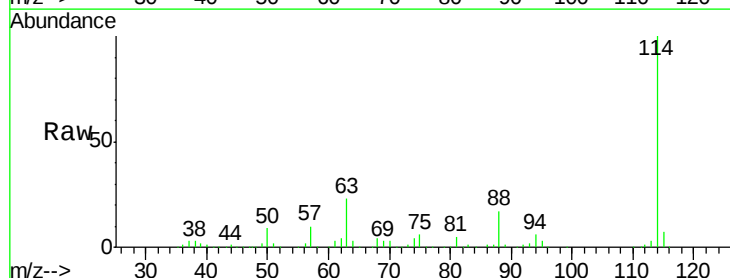
Instrument :
 MSVOA_X
 ClientSampleId :
 SS080MW504-190429

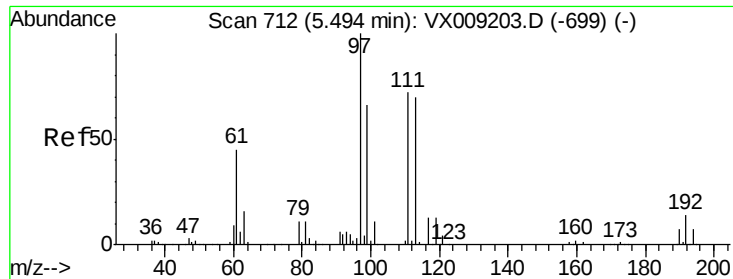
Tot Ion: 65 Resp: 123902
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

Tgt Ion: 114 Resp: 302520
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 16.5 0.0 33.2

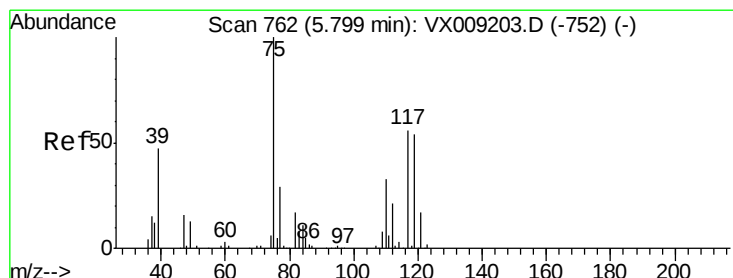
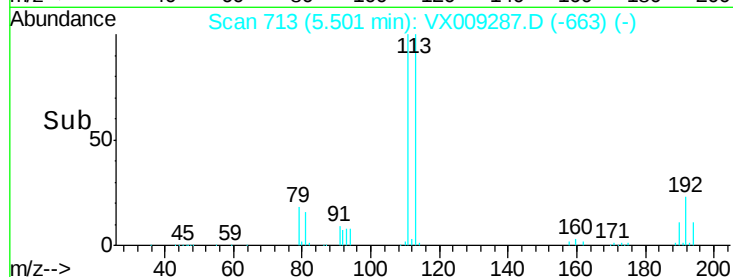
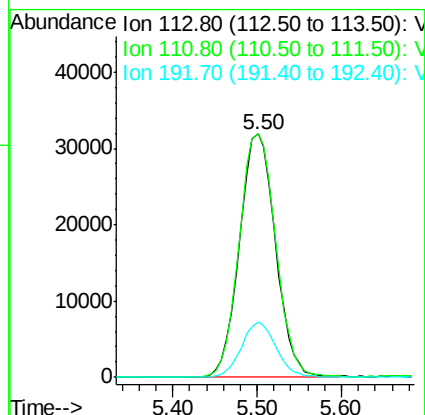
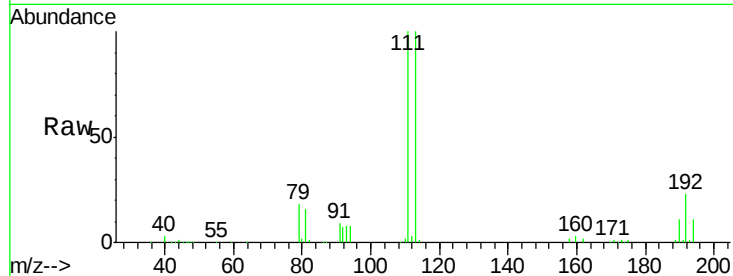




#35
 Dibromofluoromethane
 Concen: 48.465 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

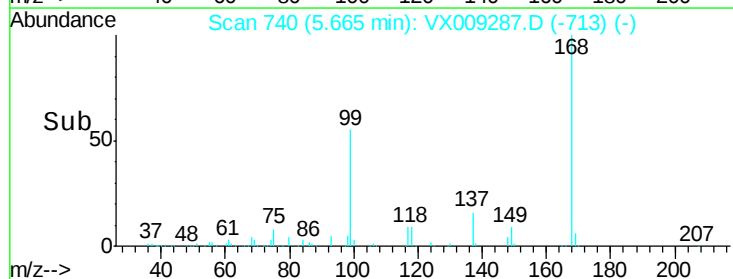
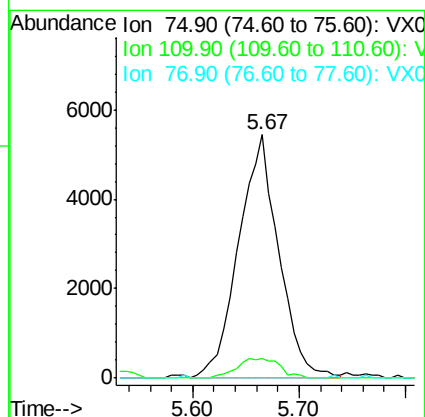
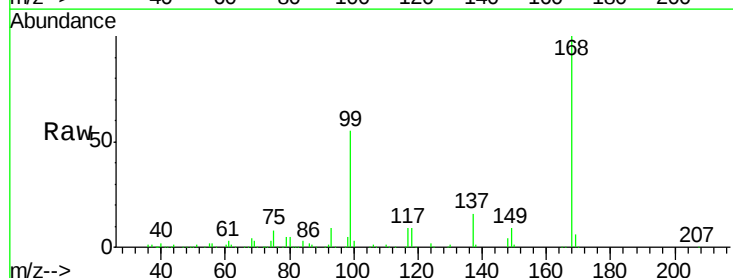
Instrument :
 MSVOA_X
 ClientSampleId :
 SS080MW504-190429

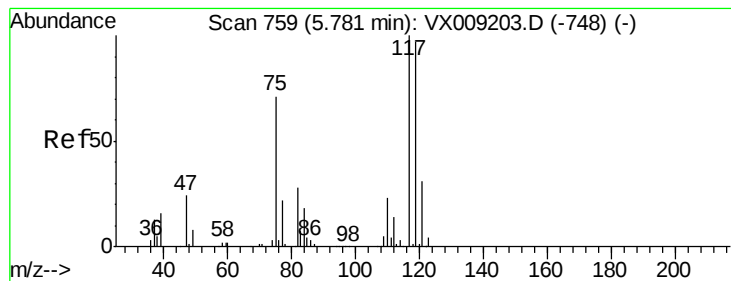
Tot Ion:113 Resp: 92169
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009287.D
 Acq: 02 May 2019 20:46

Tgt Ion: 75 Resp: 14369
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.735 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

SS080MW504-190429

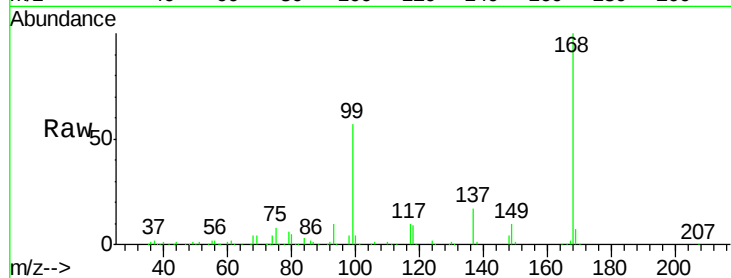
Tot Ion:117 Resp: 17203

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

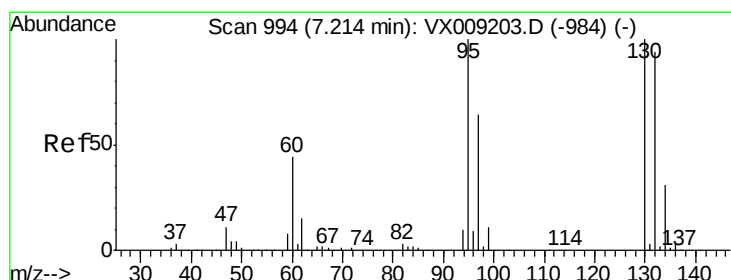
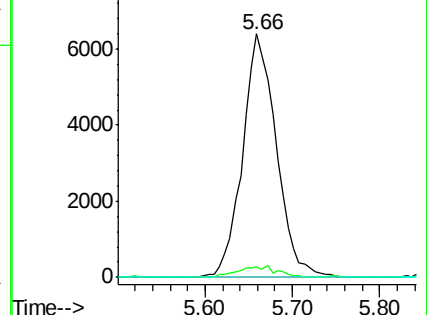
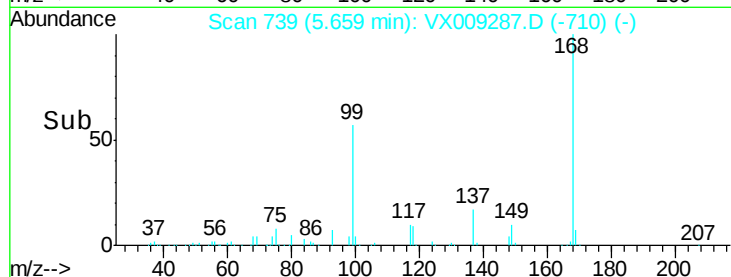
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.333 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX009287.D

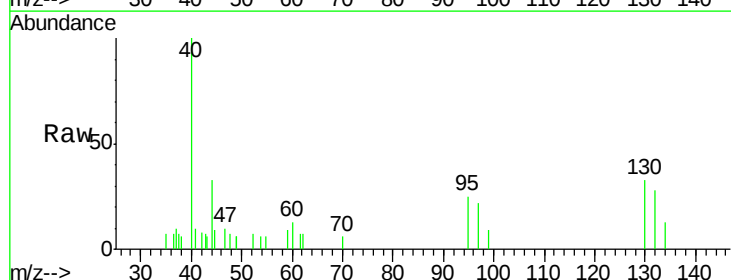
Acq: 02 May 2019 20:46

Tgt Ion:130 Resp: 700

Ion Ratio Lower Upper

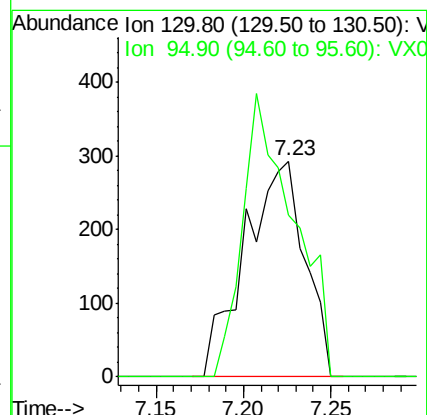
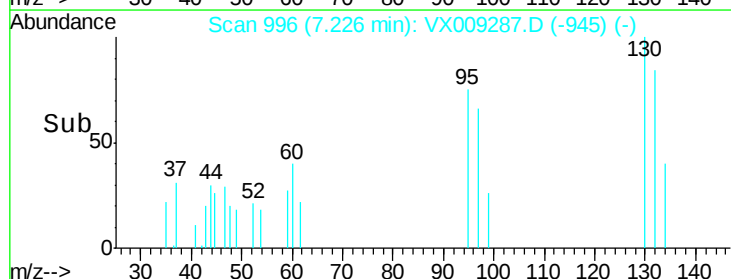
130 100

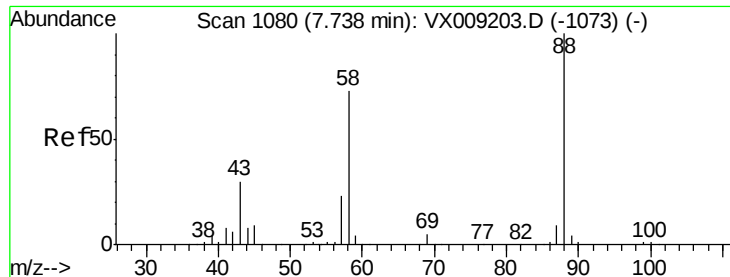
95 75.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

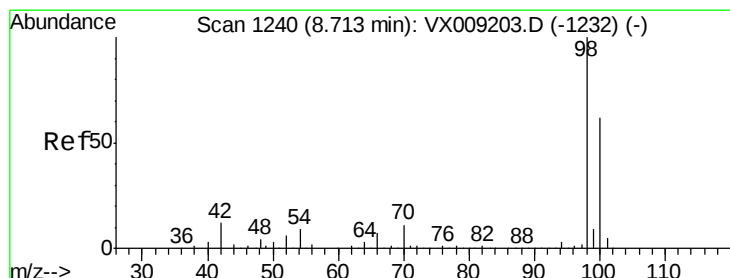
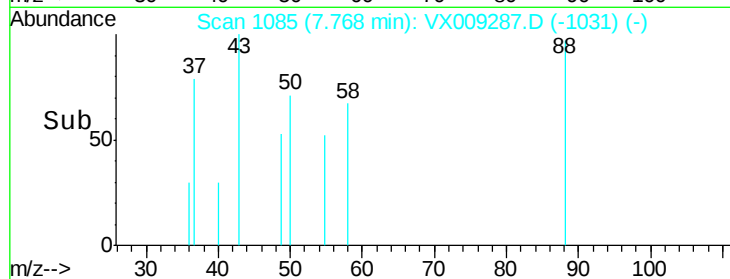
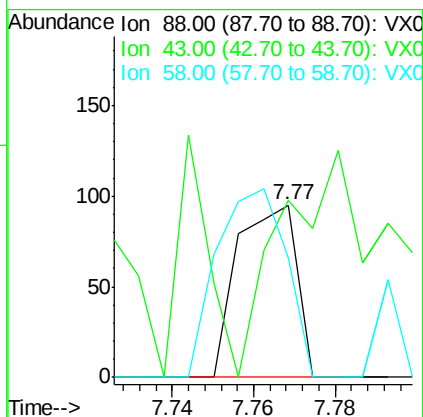
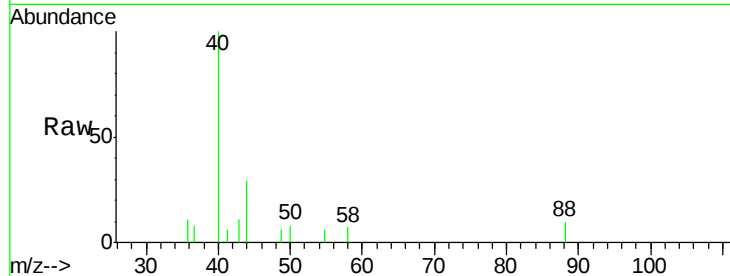




#49
1,4-Dioxane
Concen: 1.507 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

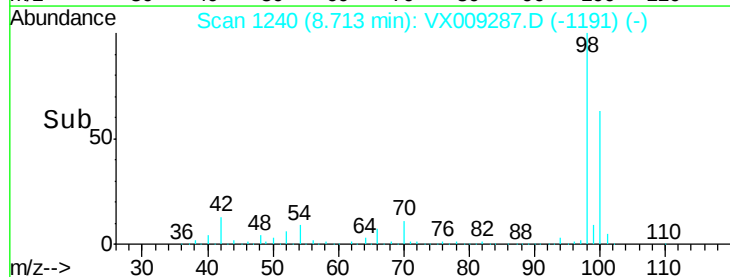
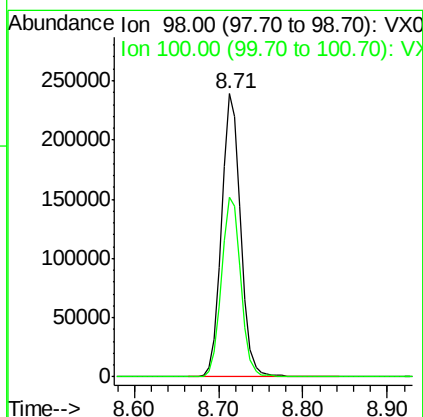
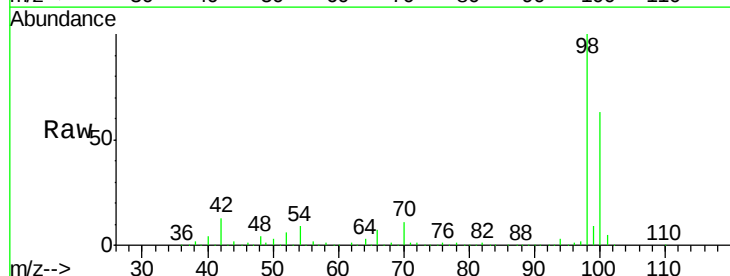
Instrument :
MSVOA_X
ClientSampleId :
SS080MW504-190429

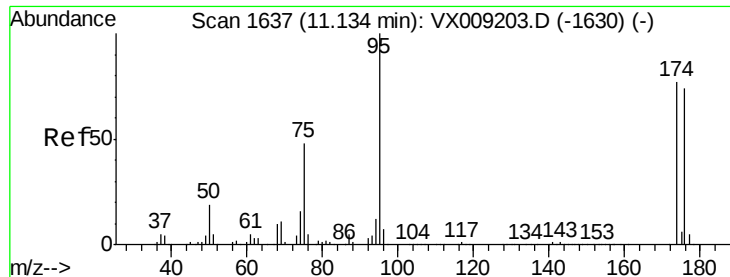
Tot Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 129.5 61.7 92.5#



#50
Toluene-d8
Concen: 48.830 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009287.D
Acq: 02 May 2019 20:46

Tgt Ion: 98 Resp: 374912
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 45.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

SS080MW504-190429

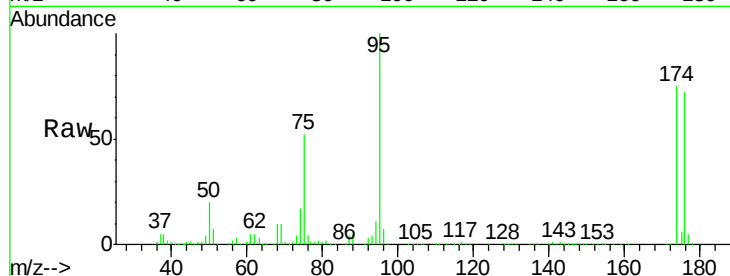
Tot Ion: 95 Resp: 125701

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

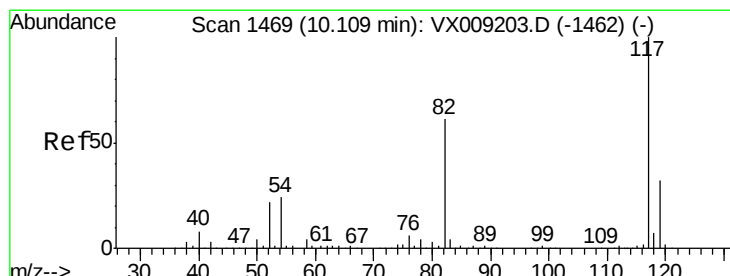
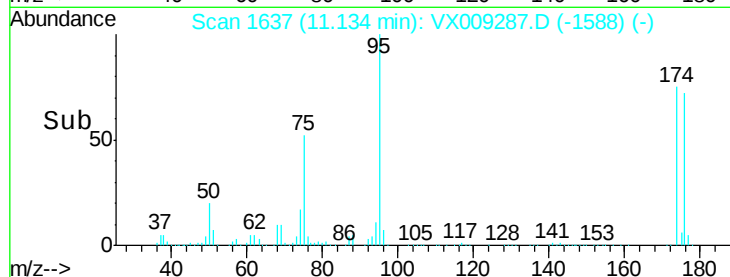
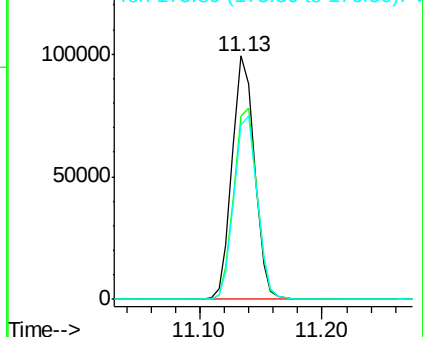
176 78.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009287.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009287.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009287.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

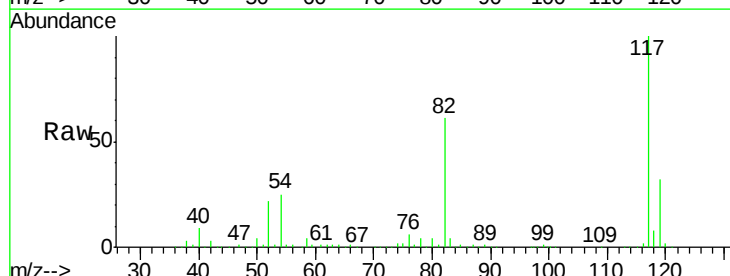
Tgt Ion: 117 Resp: 262722

Ion Ratio Lower Upper

117 100

82 60.9 48.8 73.2

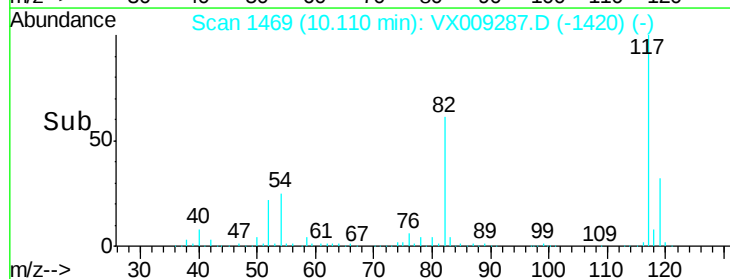
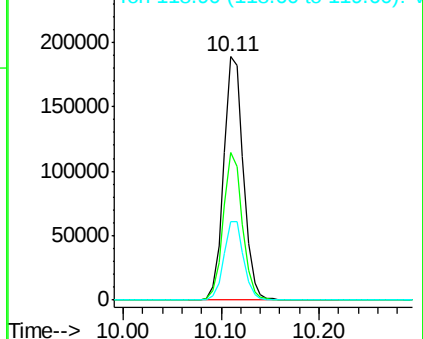
119 32.1 25.8 38.6

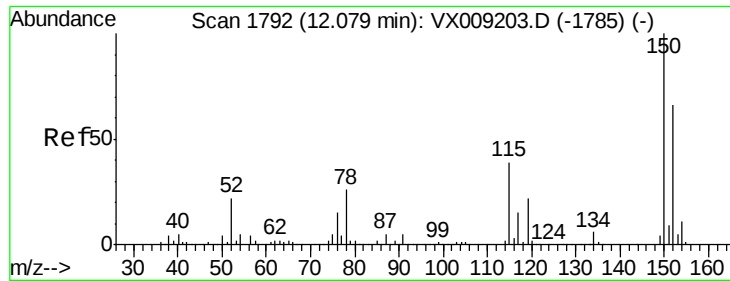


Abundance Ion 116.90 (116.60 to 117.60): VX009287.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009287.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009287.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

SS080MW504-190429

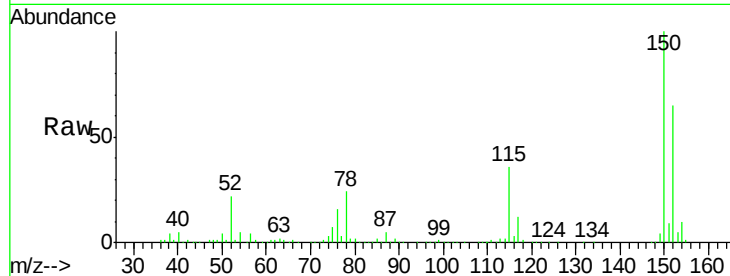
Tot Ion:152 Resp: 114371

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

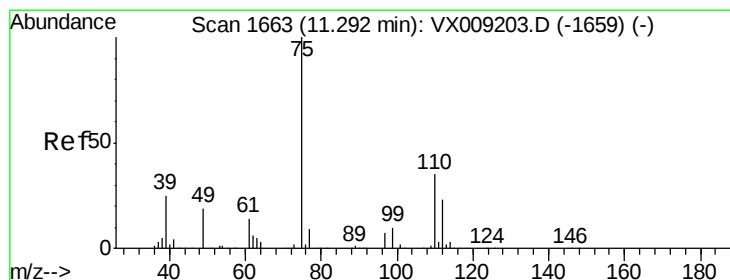
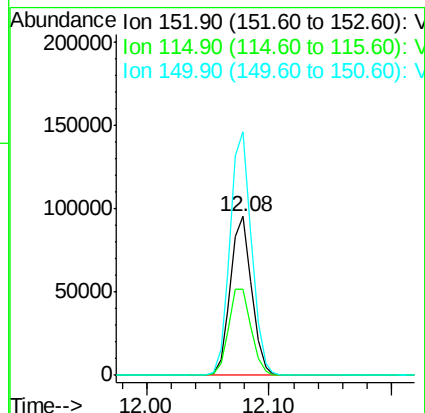
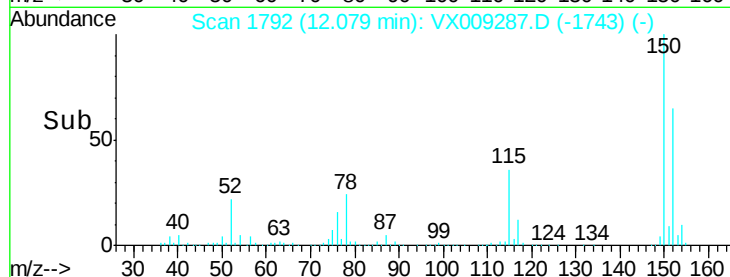
150 154.6 0.0 346.4



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: 24.341 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009287.D

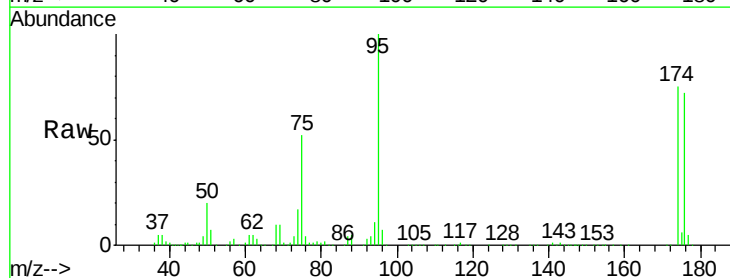
Acq: 02 May 2019 20:46

Tgt Ion: 75 Resp: 64577

Ion Ratio Lower Upper

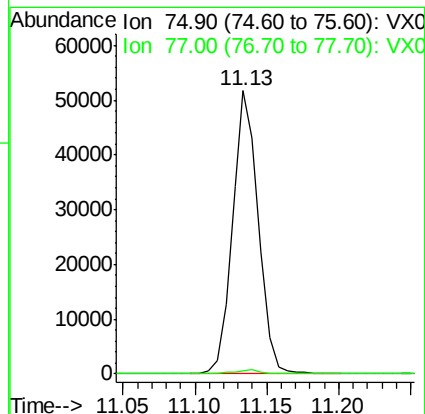
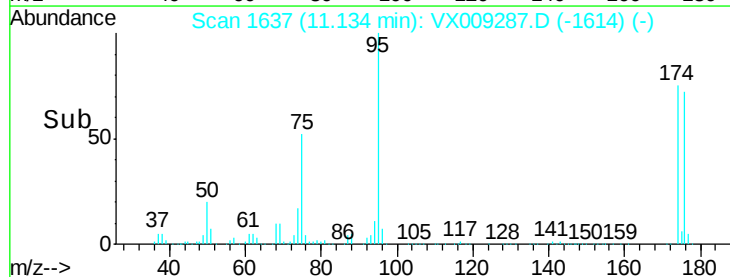
75 100

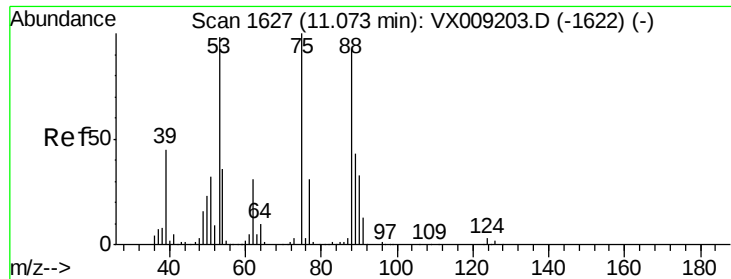
77 1.3 22.1 66.1#



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: 62.280 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009287.D

Acq: 02 May 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

SS080MW504-190429

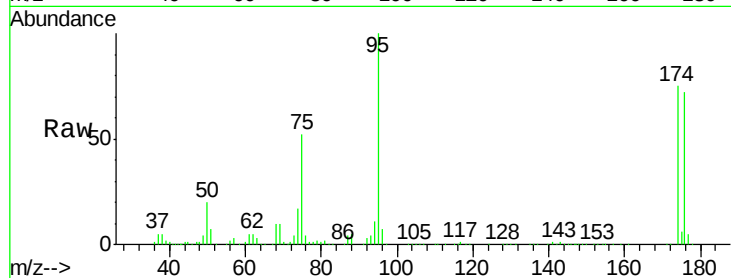
Tot Ion: 75 Resp: 64577

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

