

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010030.D
 Acq On : 03 Jun 2019 12:54
 Operator : JC/SP
 Sample : K3129-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:39:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115620	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	119017	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	5.50	113	87796	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	362101	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	124002	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

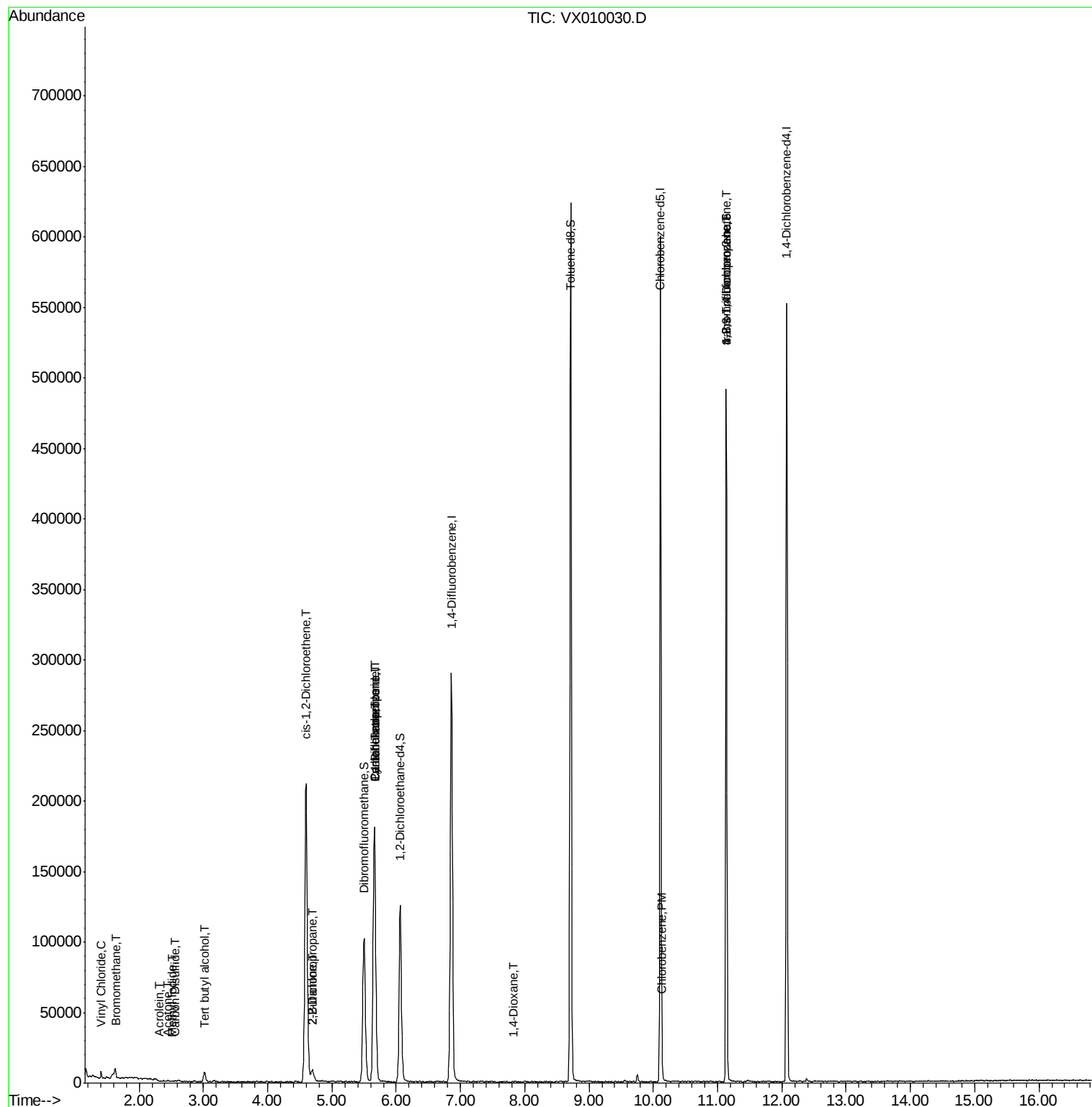
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2844	1.077	ug/l #	85
5) Bromomethane	1.64	94	527	0.329	ug/l #	58
10) Methyl Iodide	2.52	142	286	4.776	ug/l #	42
11) Tert butyl alcohol	3.01	59	4173	6.732	ug/l #	82
13) Acrolein	2.31	56	84	21.272	ug/l #	14
16) Acetone	2.45	43	716	0.492	ug/l #	71
17) Carbon Disulfide	2.56	76	702	0.512	ug/l #	76
25) 2-Butanone	4.70	43	722	0.318	ug/l #	54
26) 2,2-Dichloropropane	4.70	77	657	0.215	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	130903	56.439	ug/l	87
31) Cyclohexane	5.67	56	3907	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13624	4.701	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16719	6.675	ug/l #	16
49) 1,4-Dioxane	7.82	88	21	0.350	ug/l #	68
65) Chlorobenzene	10.14	112	2297	0.421	ug/l #	88
76) 1,2,3-Trichloropropane	11.13	75	63802	23.076	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63802	57.094	ug/l #	10

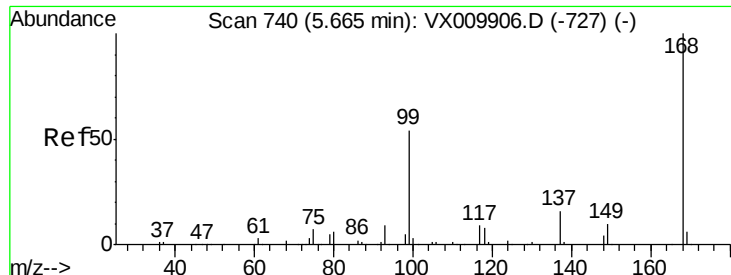
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jun 04 03:39:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

Instrument :

MSVOA_X

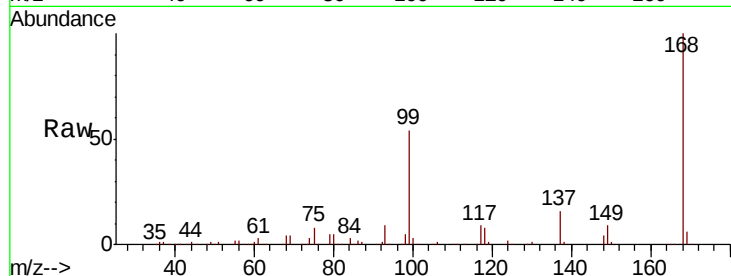
ClientSampleId :

Tot Ion:168 Resp: 178311

Ion Ratio Lower Upper

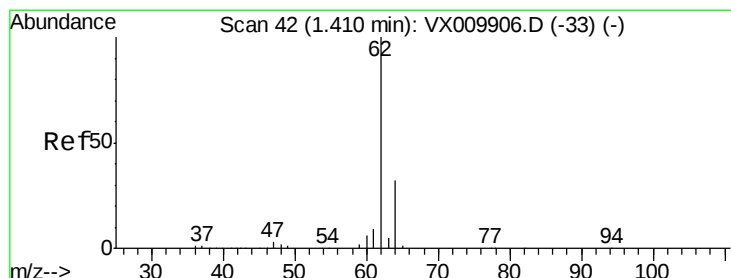
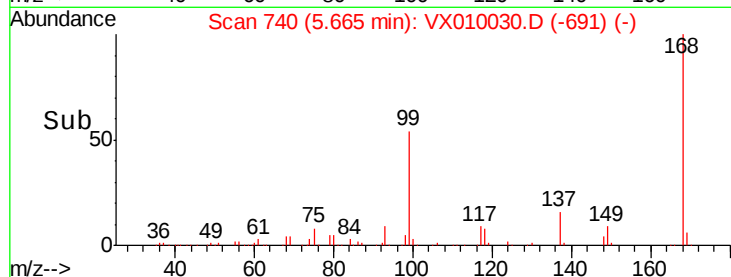
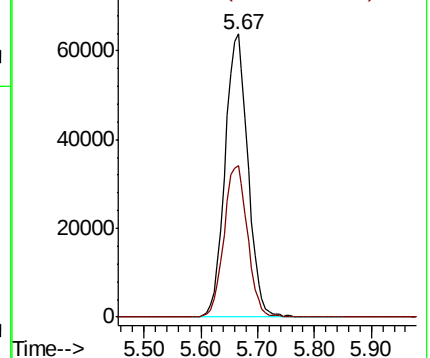
168 100

99 53.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.077 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010030.D

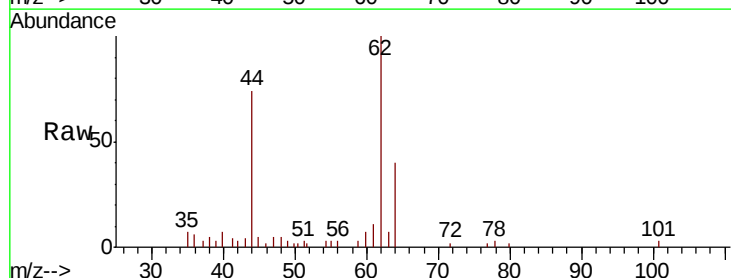
Acq: 03 Jun 2019 12:54

Tgt Ion: 62 Resp: 2844

Ion Ratio Lower Upper

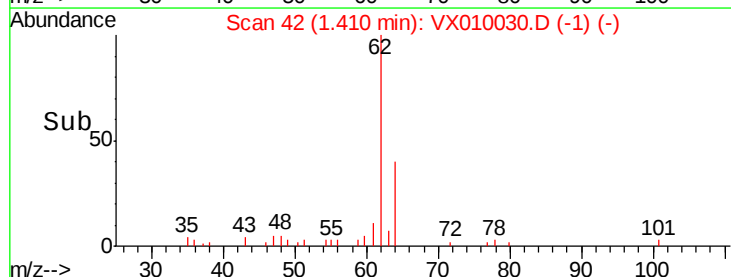
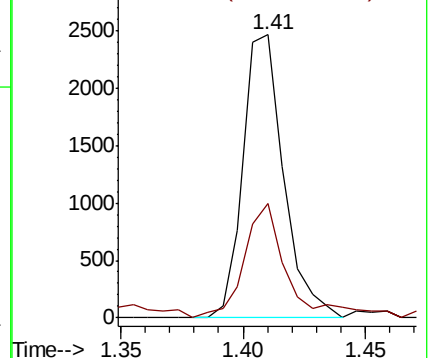
62 100

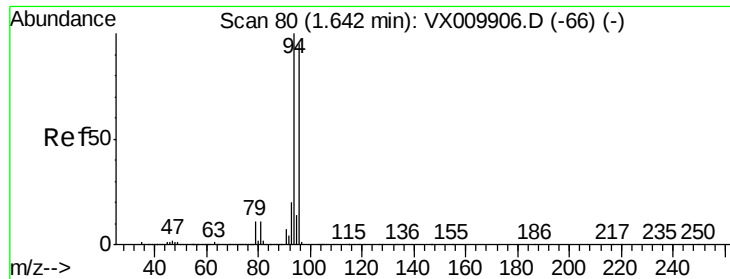
64 40.4 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

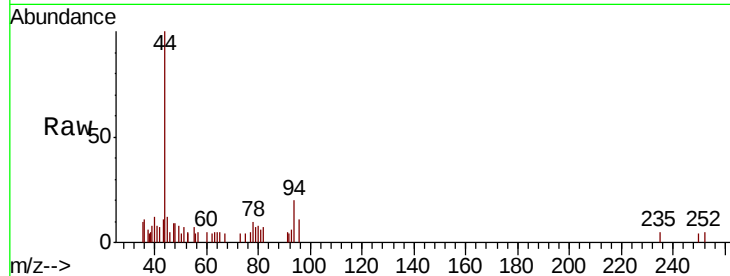
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 527

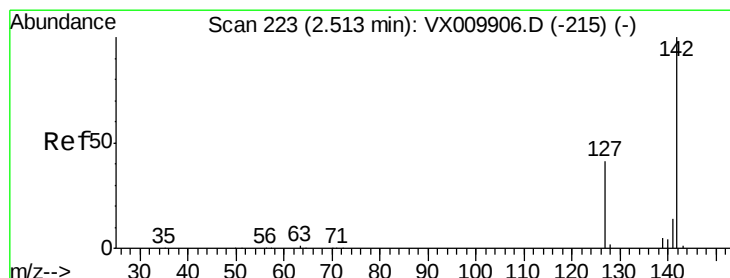
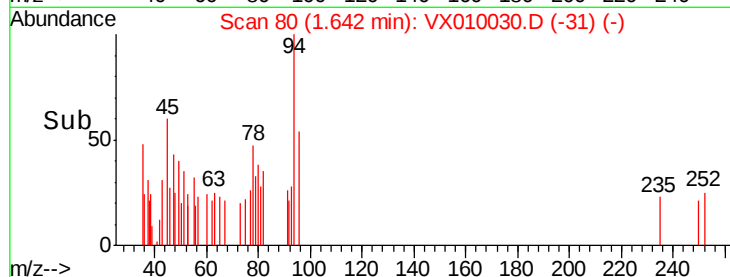
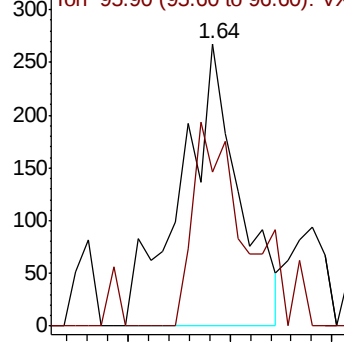
Ion Ratio Lower Upper

94 100

96 54.5 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.776 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

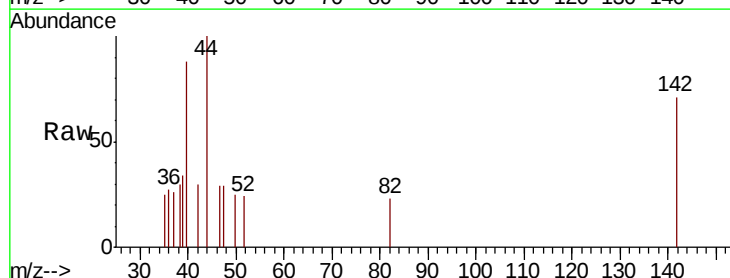
Tgt Ion: 142 Resp: 286

Ion Ratio Lower Upper

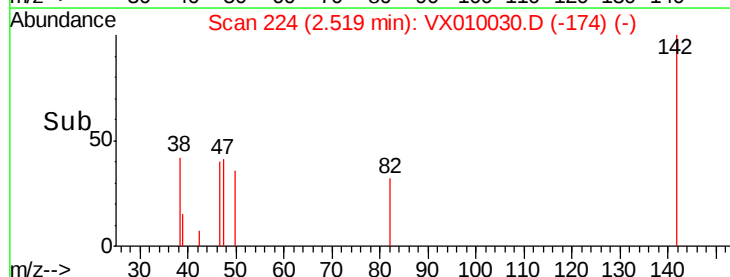
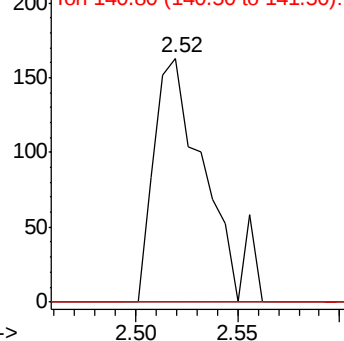
142 100

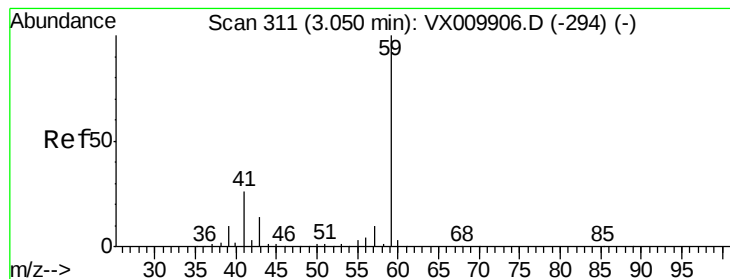
127 0.0 33.0 49.4#

141 0.0 11.4 17.0#



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



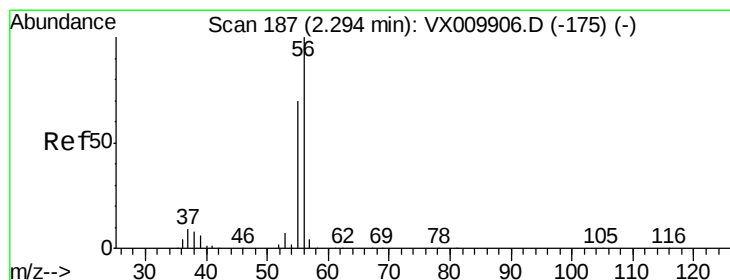
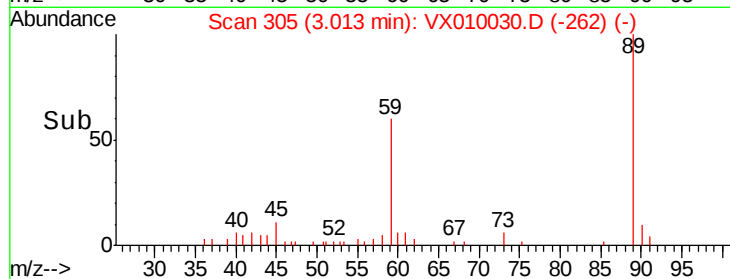
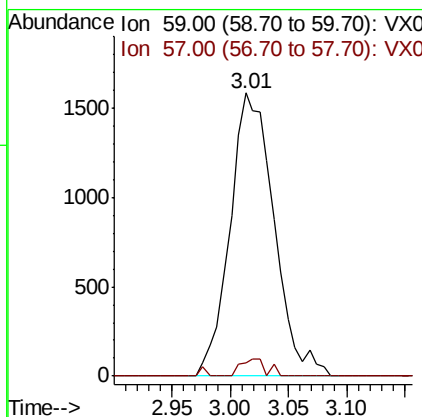
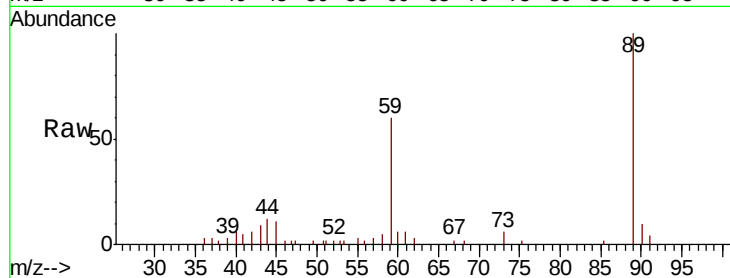


#11

Tert butyl alcohol
 Concen: 6.732 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010030.D
 Acq: 03 Jun 2019 12:54

Instrument :
 MSVOA_X
 ClientSampled :

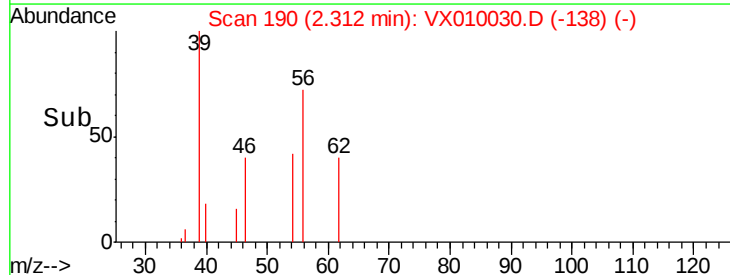
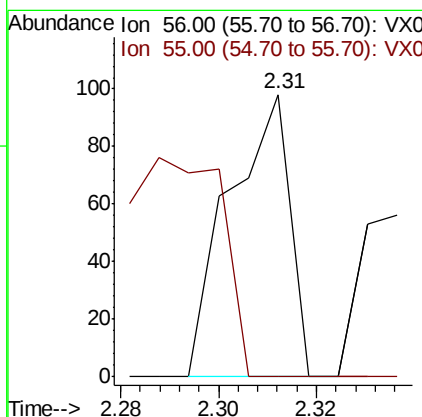
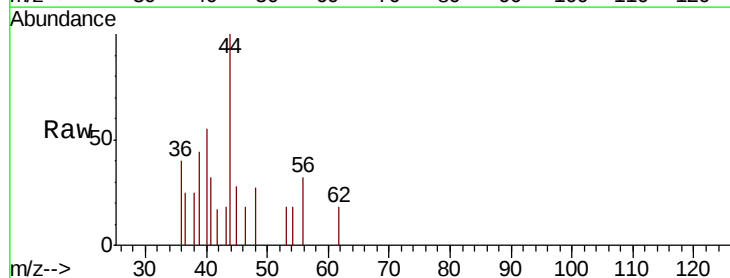
Tot Ion: 59 Resp: 4173
 Ion Ratio Lower Upper
 59 100
 57 3.5 8.2 12.2#

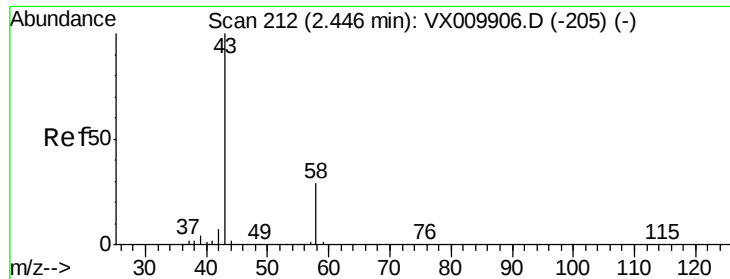


#13

Acrolein
 Concen: 21.272 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX010030.D
 Acq: 03 Jun 2019 12:54

Tgt Ion: 56 Resp: 84
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.492 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

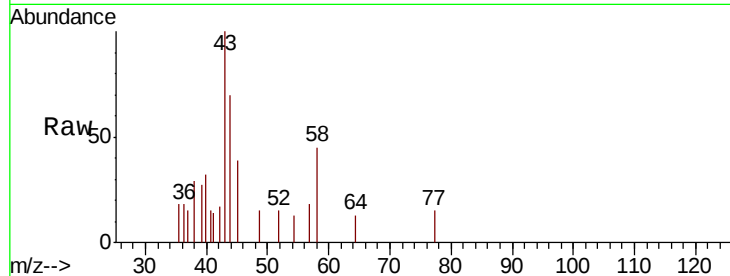
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 716

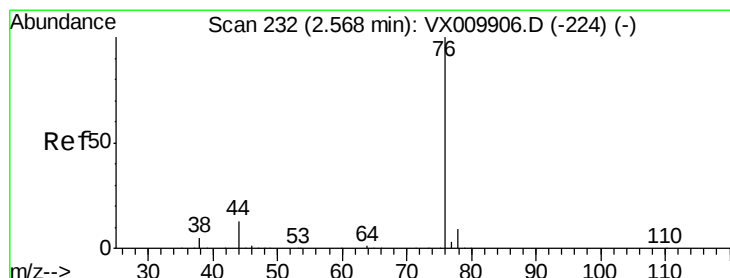
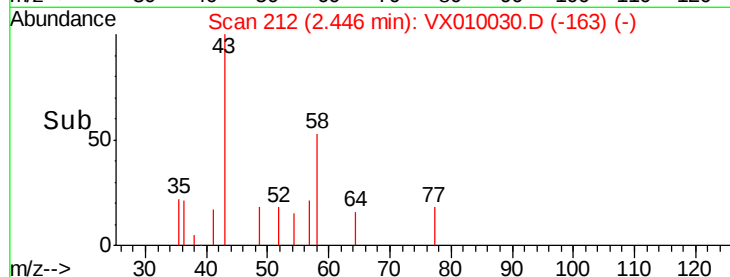
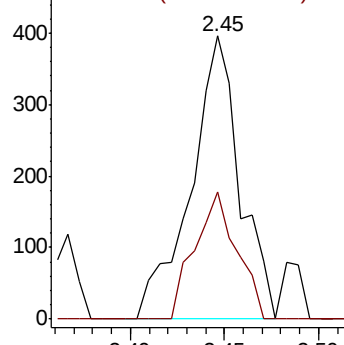
Ion Ratio Lower Upper

43 100

58 44.7 23.2 34.8#



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



#17

Carbon Disulfide

Concen: 0.512 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010030.D

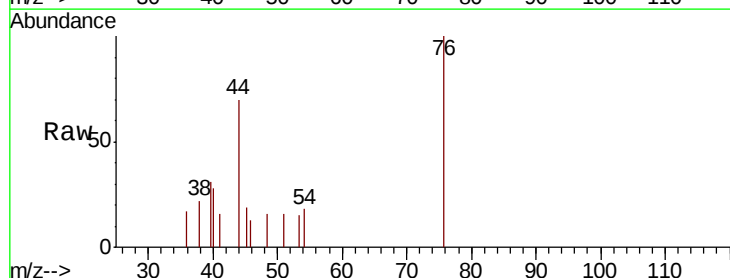
Acq: 03 Jun 2019 12:54

Tgt Ion: 76 Resp: 702

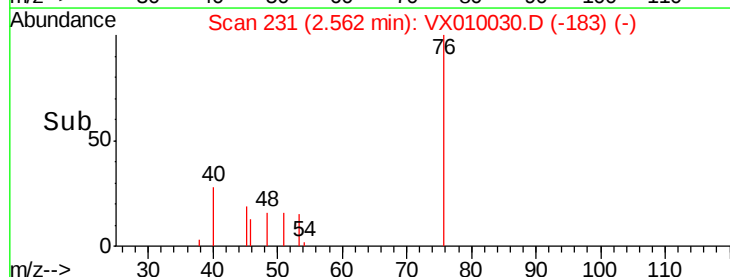
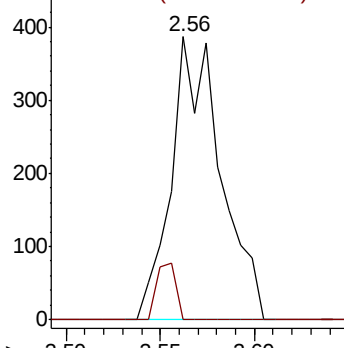
Ion Ratio Lower Upper

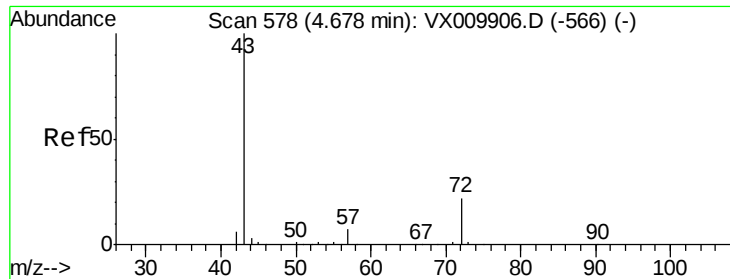
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.318 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

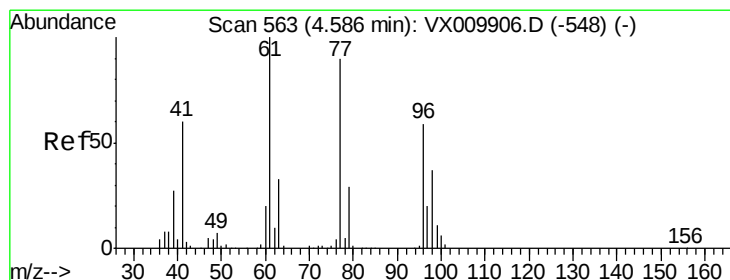
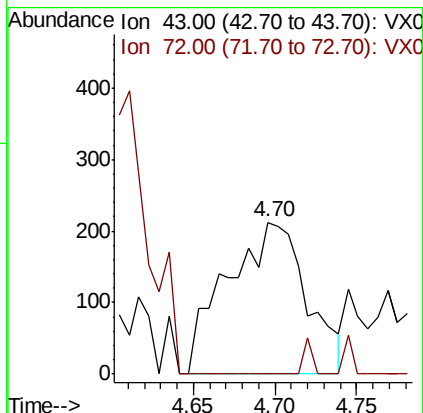
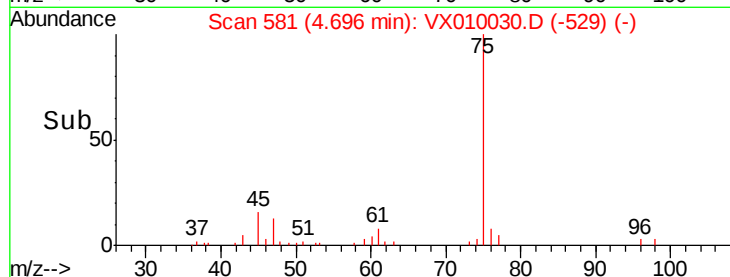
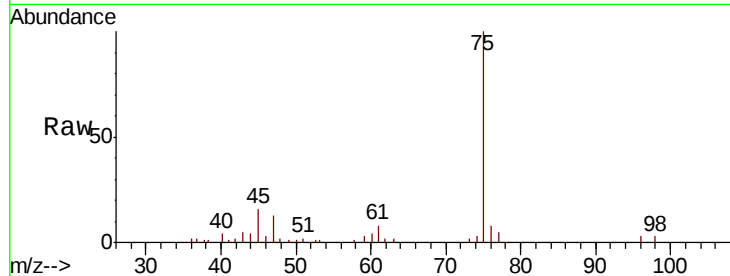
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 0.215 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.11 min

Lab File: VX010030.D

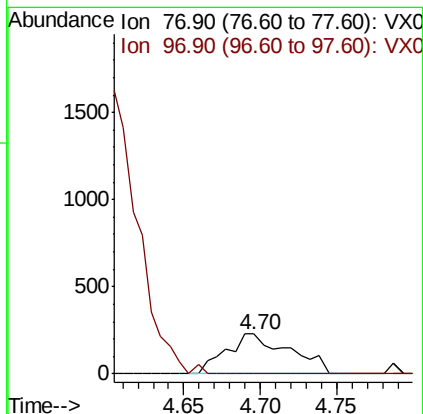
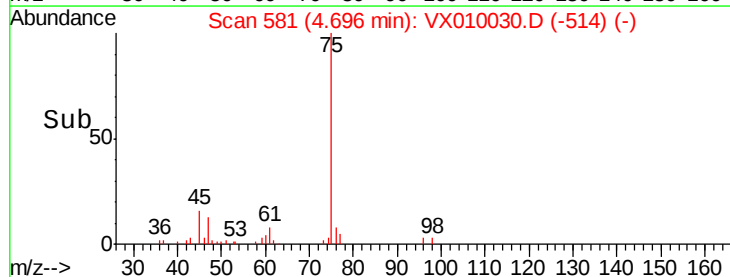
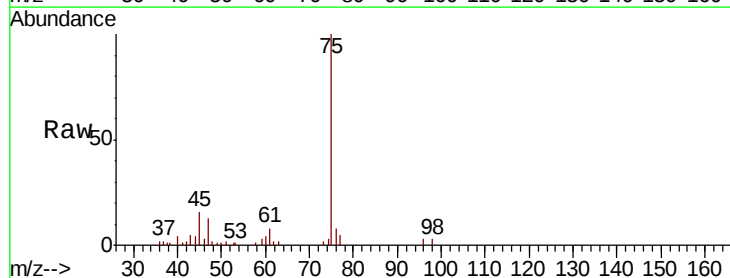
Acq: 03 Jun 2019 12:54

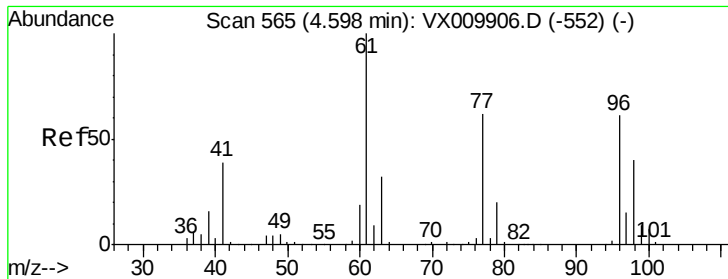
Tgt Ion: 77 Resp: 657

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



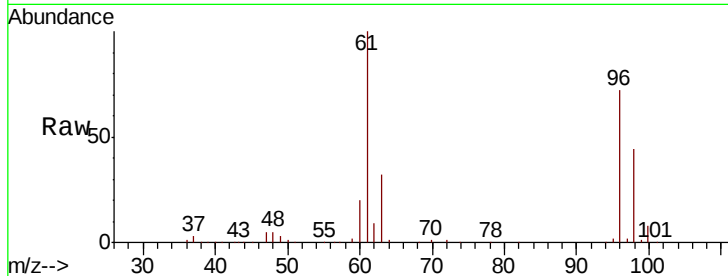


#27

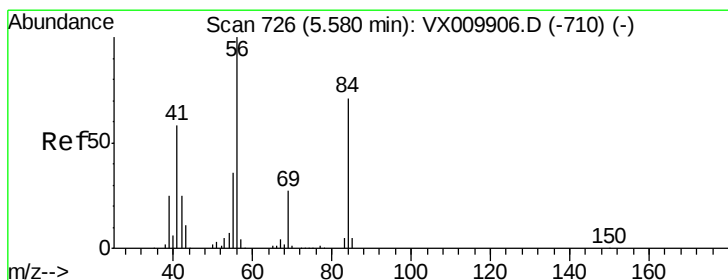
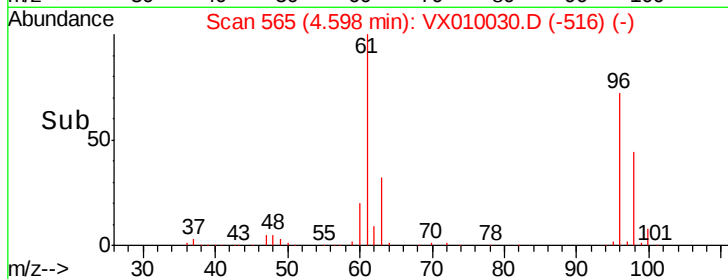
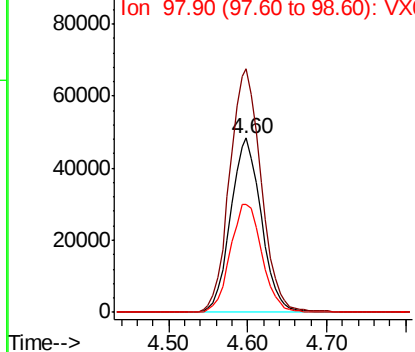
cis-1,2-Dichloroethene
Concen: 56.439 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	96	Resp	130903
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	334.0
98	64.5	0.0	131.6



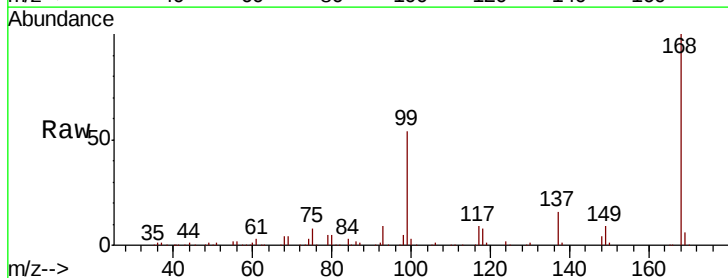
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



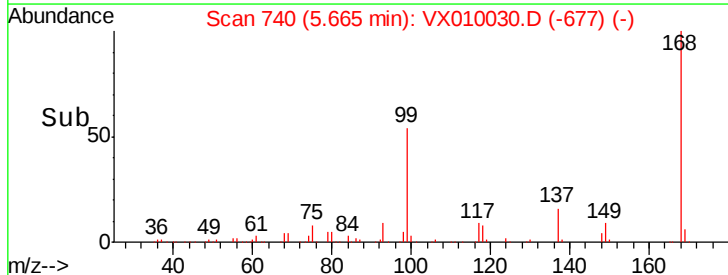
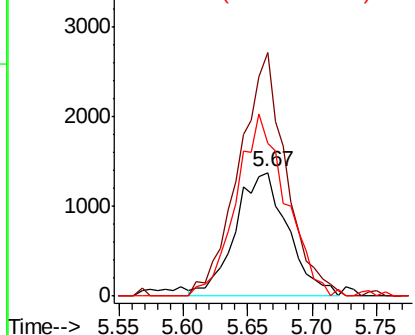
#31

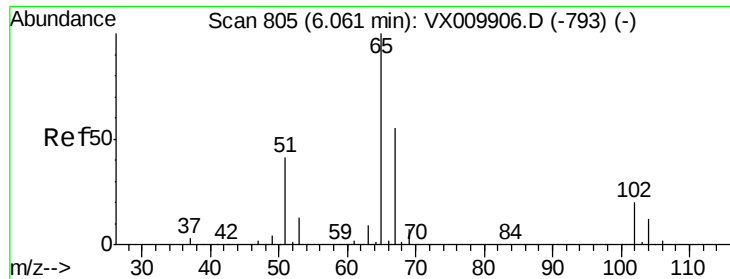
Cyclohexane
Concen: 1.019 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Tgt Ion	56	Resp	3907
Ion	Ratio	Lower	Upper
56	100		
69	197.3	21.6	32.4#
84	124.2	56.8	85.2#



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

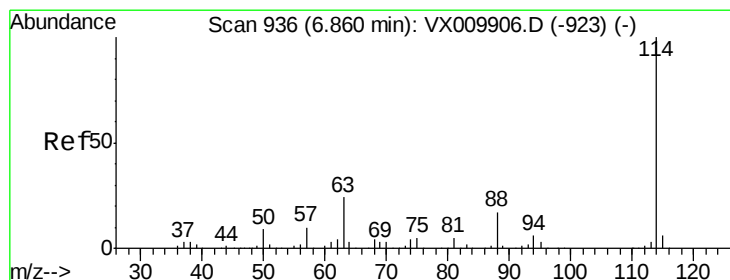
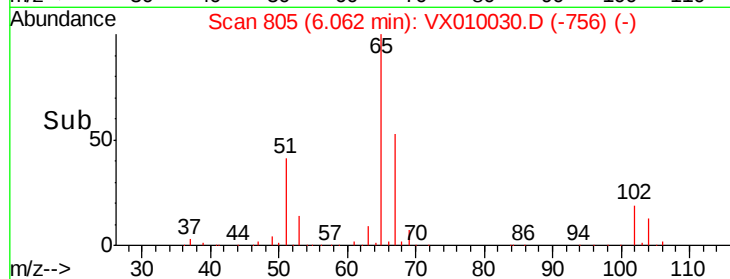
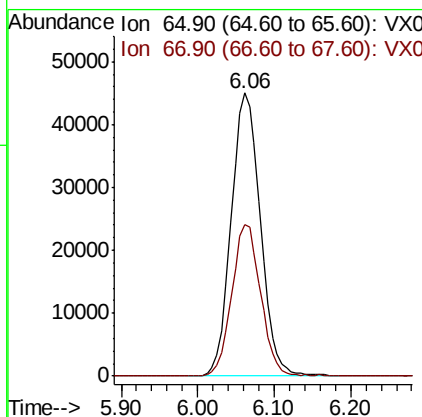
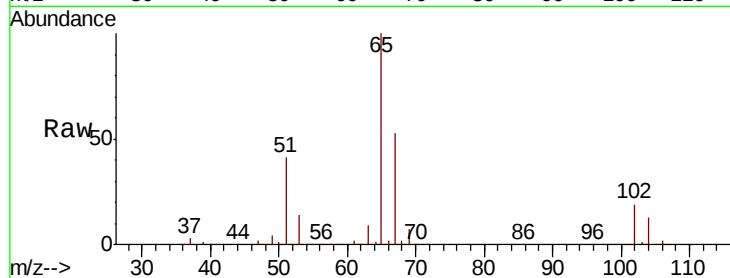




#33
 1,2-Dichloroethane-d4
 Concen: 47.252 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010030.D
 Acq: 03 Jun 2019 12:54

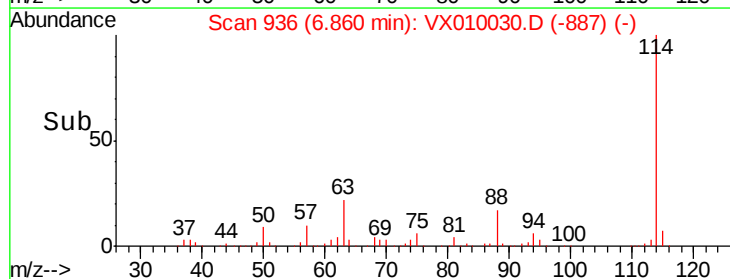
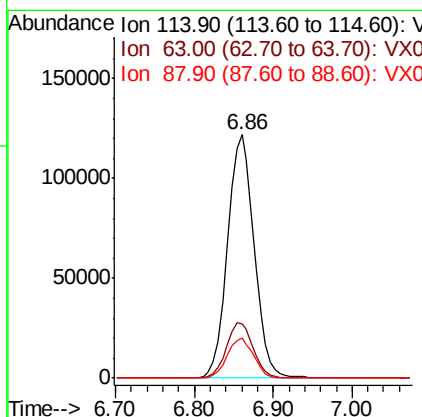
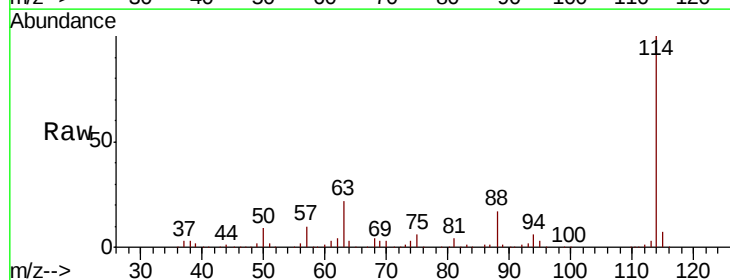
Instrument :
 MSVOA_X
 ClientSampled :

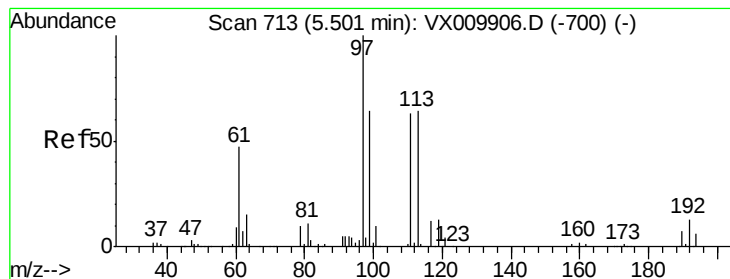
Tot Ion: 65 Resp: 119017
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010030.D
 Acq: 03 Jun 2019 12:54

Tgt Ion: 114 Resp: 285658
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.4
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.886 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

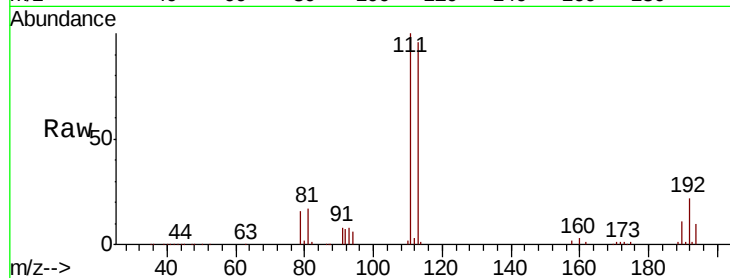
Tot Ion:113 Resp: 87796

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

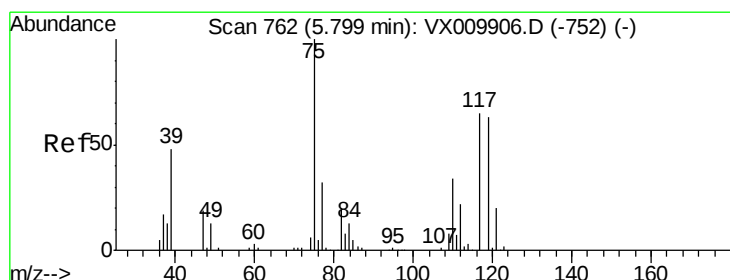
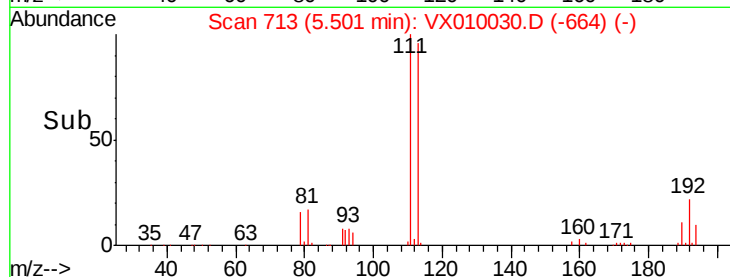
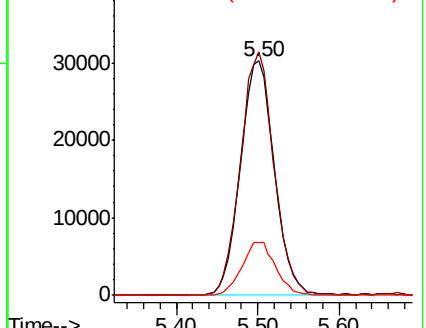
192 22.4 17.1 25.7



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: 4.701 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

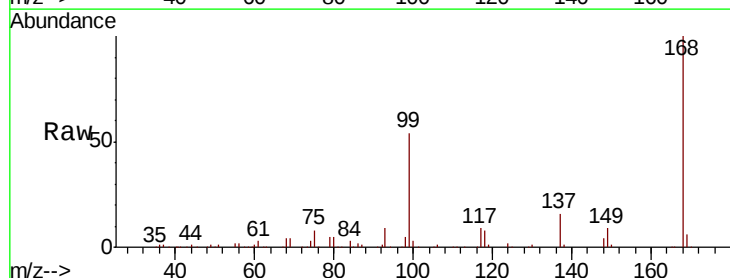
Tgt Ion: 75 Resp: 13624

Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

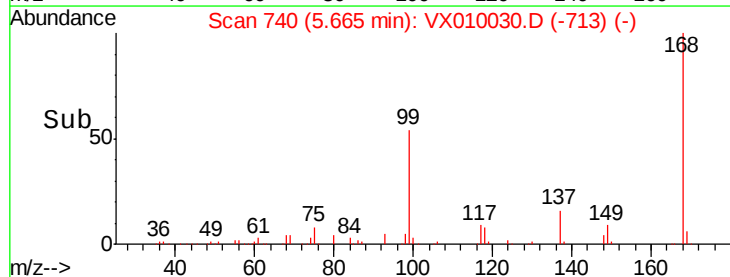
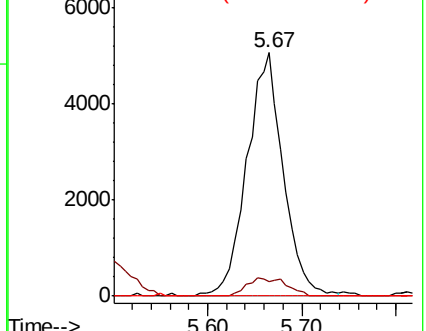
77 0.0 25.0 37.4#

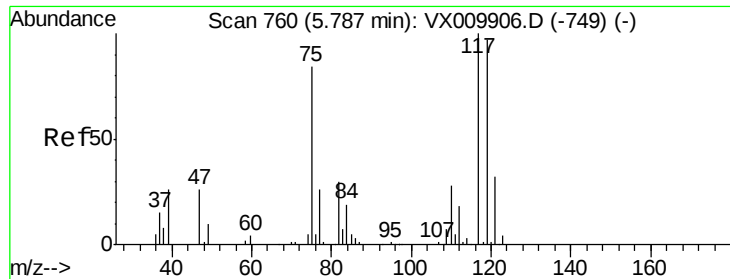


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.675 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

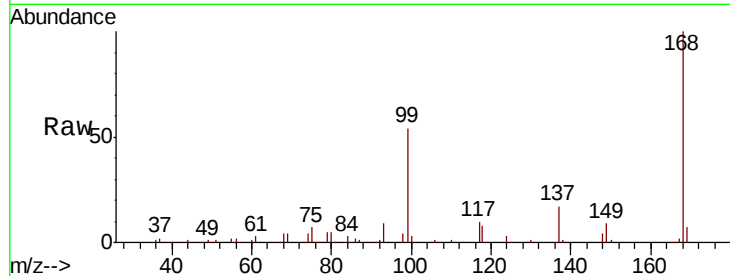
Tot Ion:117 Resp: 16719

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

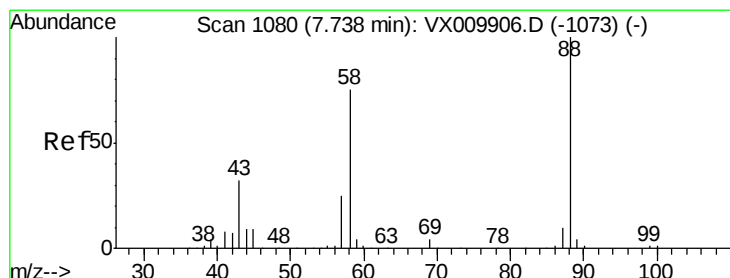
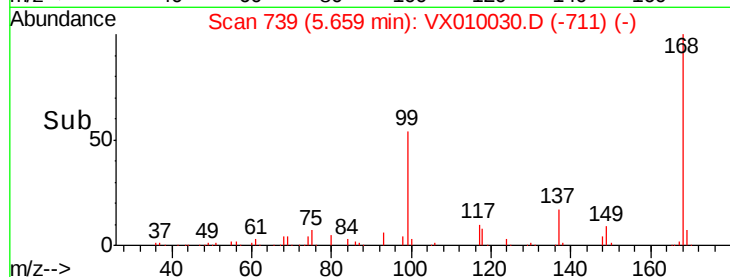
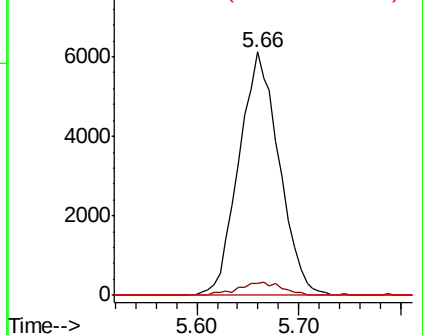
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.350 ug/l

RT: 7.82 min Scan# 1094

Delta R.T. 0.09 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

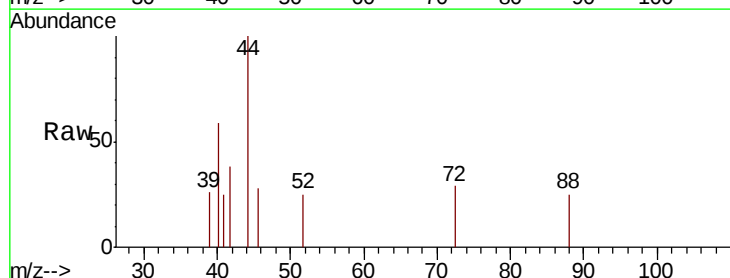
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

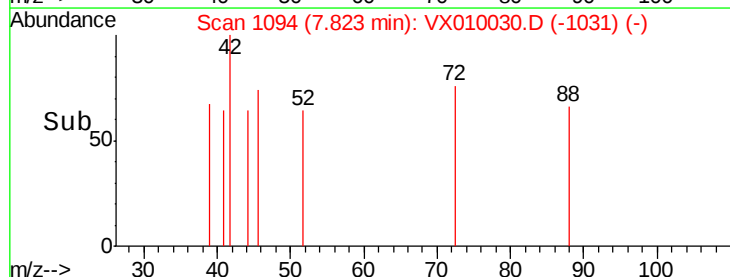
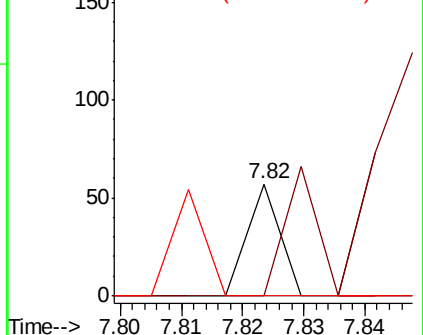
58 95.2 64.0 96.0

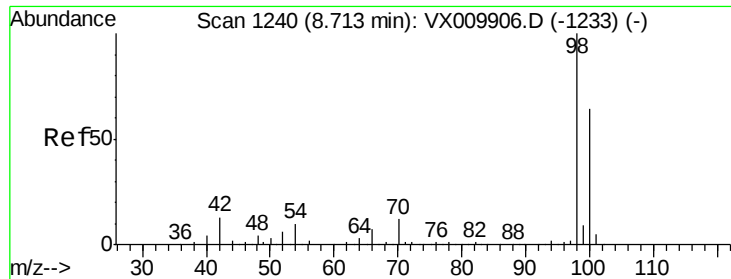


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

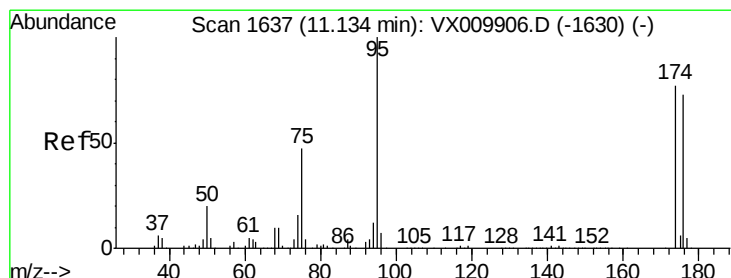
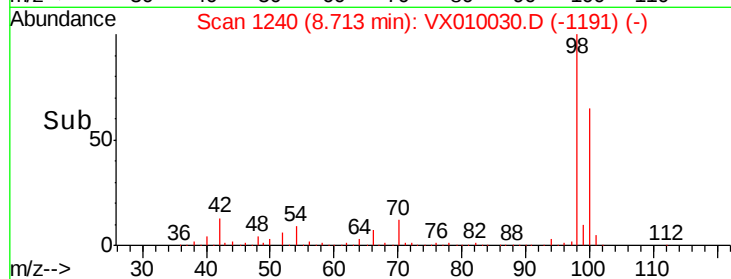
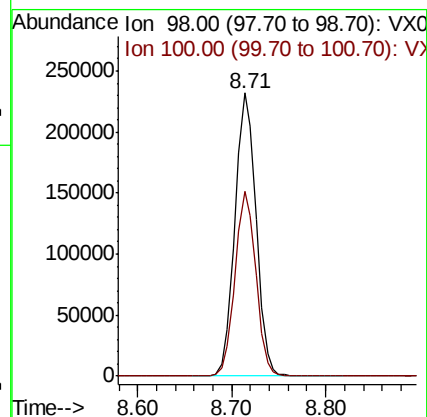
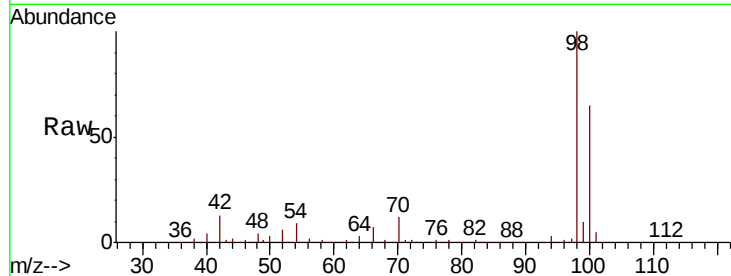




#50
Toluene-d8
Concen: 49.651 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

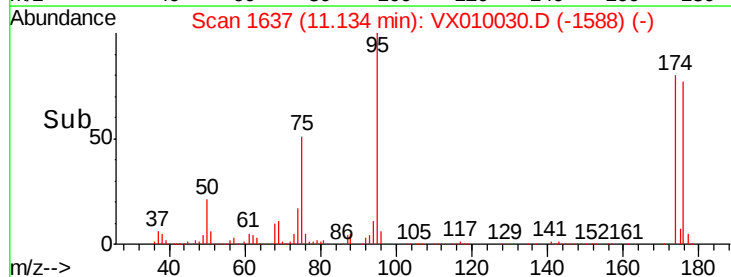
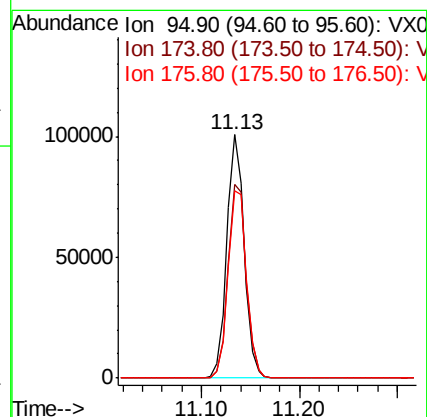
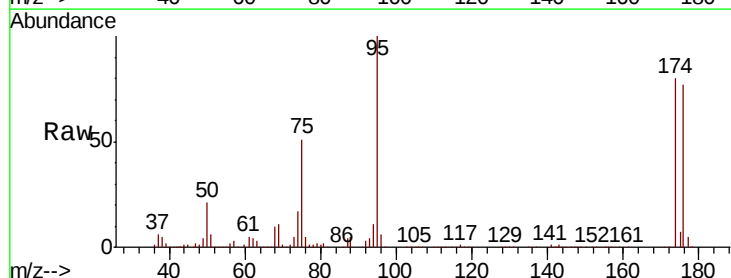
Instrument :
MSVOA_X
ClientSampleId :

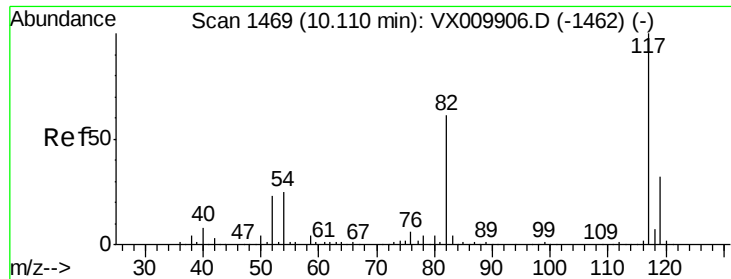
Tot Ion: 98 Resp: 362101
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.338 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Tgt Ion: 95 Resp: 124002
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.4
176 82.4 0.0 154.6

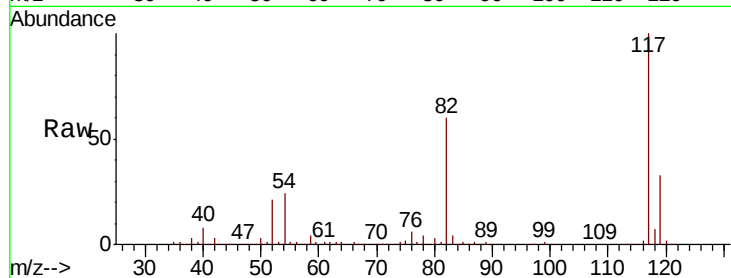




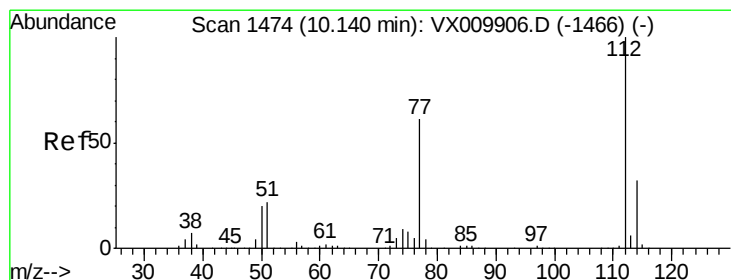
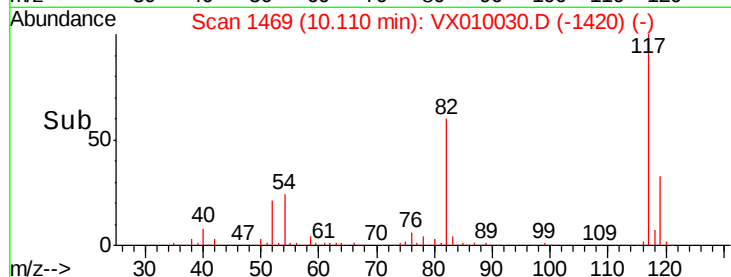
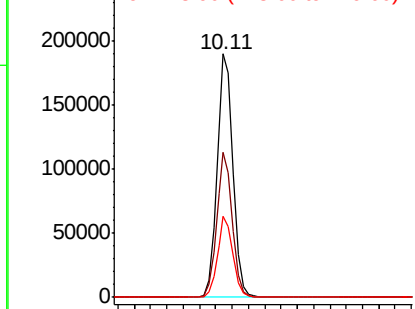
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 260466
Ion Ratio Lower Upper
117 100
82 59.8 49.2 73.8
119 33.1 25.2 37.8

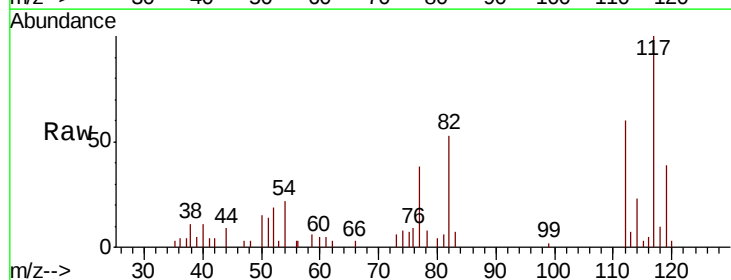


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

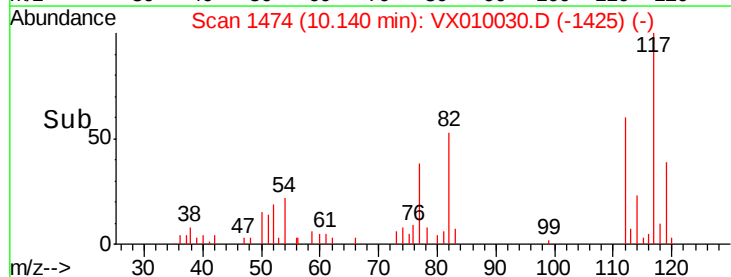
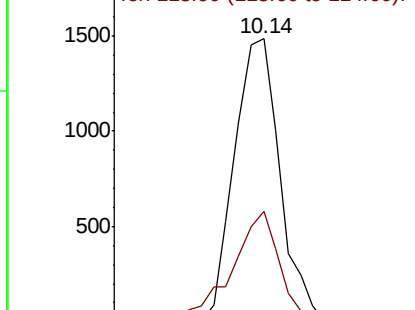


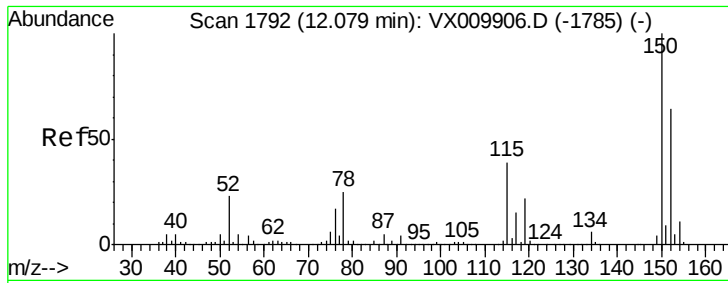
#65
Chlorobenzene
Concen: 0.421 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Tgt Ion:112 Resp: 2297
Ion Ratio Lower Upper
112 100
114 38.9 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



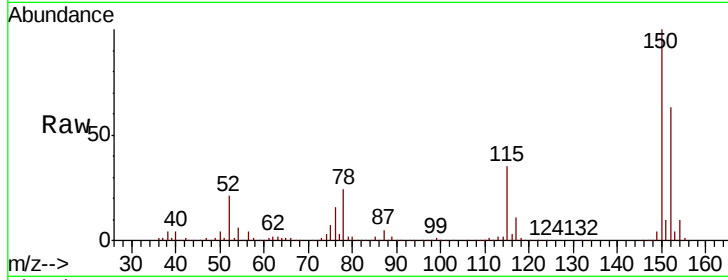


#72

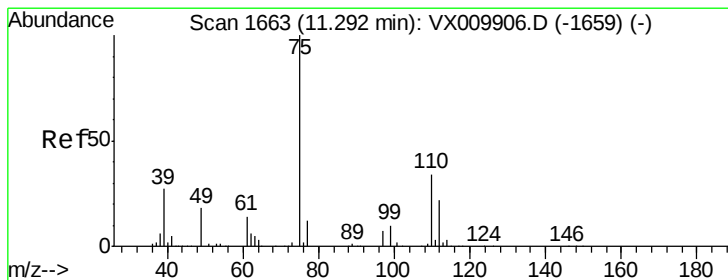
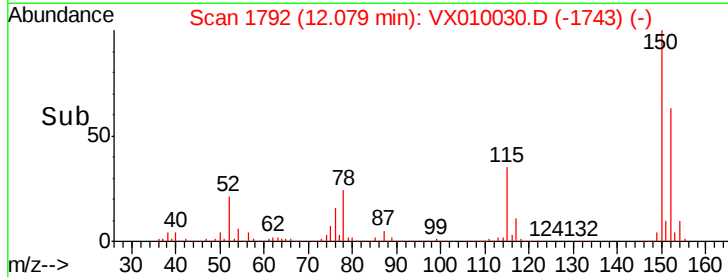
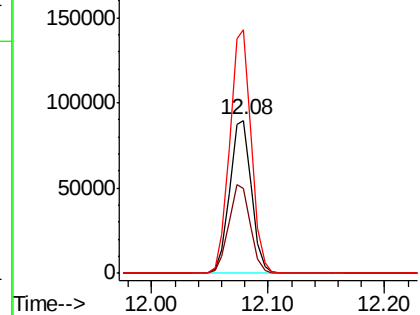
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 115620
Ion Ratio Lower Upper
152 100
115 57.4 41.4 124.2
150 157.0 0.0 345.2



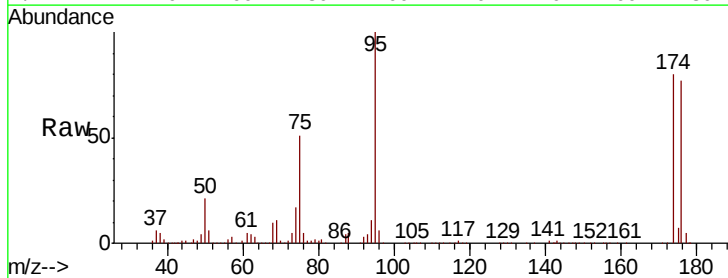
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



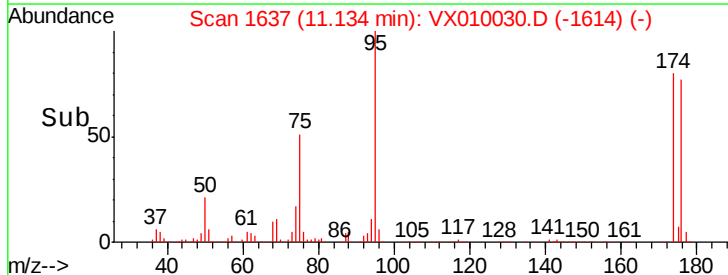
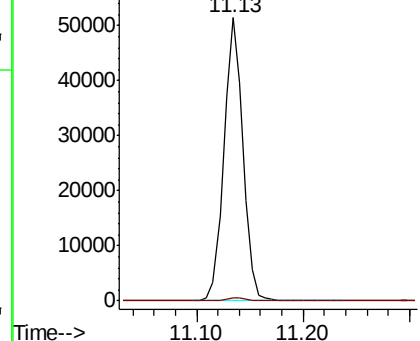
#76

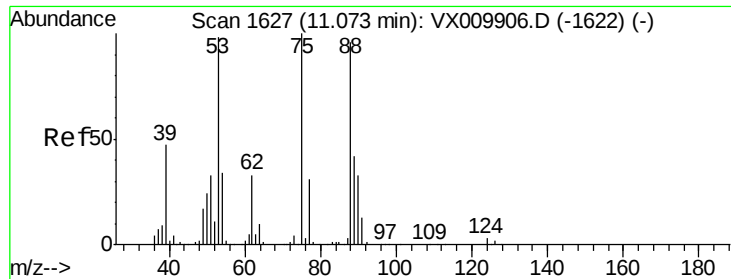
1,2,3-Trichloropropane
Concen: 23.076 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010030.D
Acq: 03 Jun 2019 12:54

Tgt Ion: 75 Resp: 63802
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: 57.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010030.D

Acq: 03 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

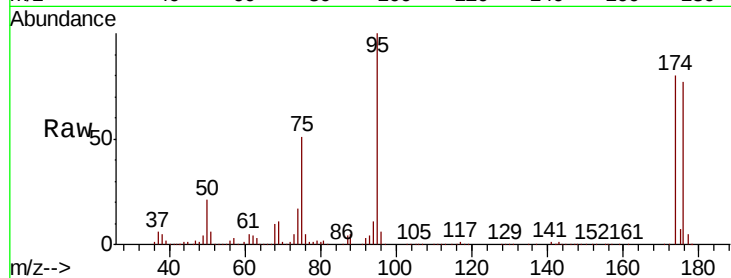
Tot Ion: 75 Resp: 63802

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

