

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009421.D
 Acq On : 09 May 2019 12:41
 Operator : JC/SP
 Sample : K2735-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	187225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109577	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	122576	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	5.50	113	91831	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	372035	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	11.13	95	121448	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	

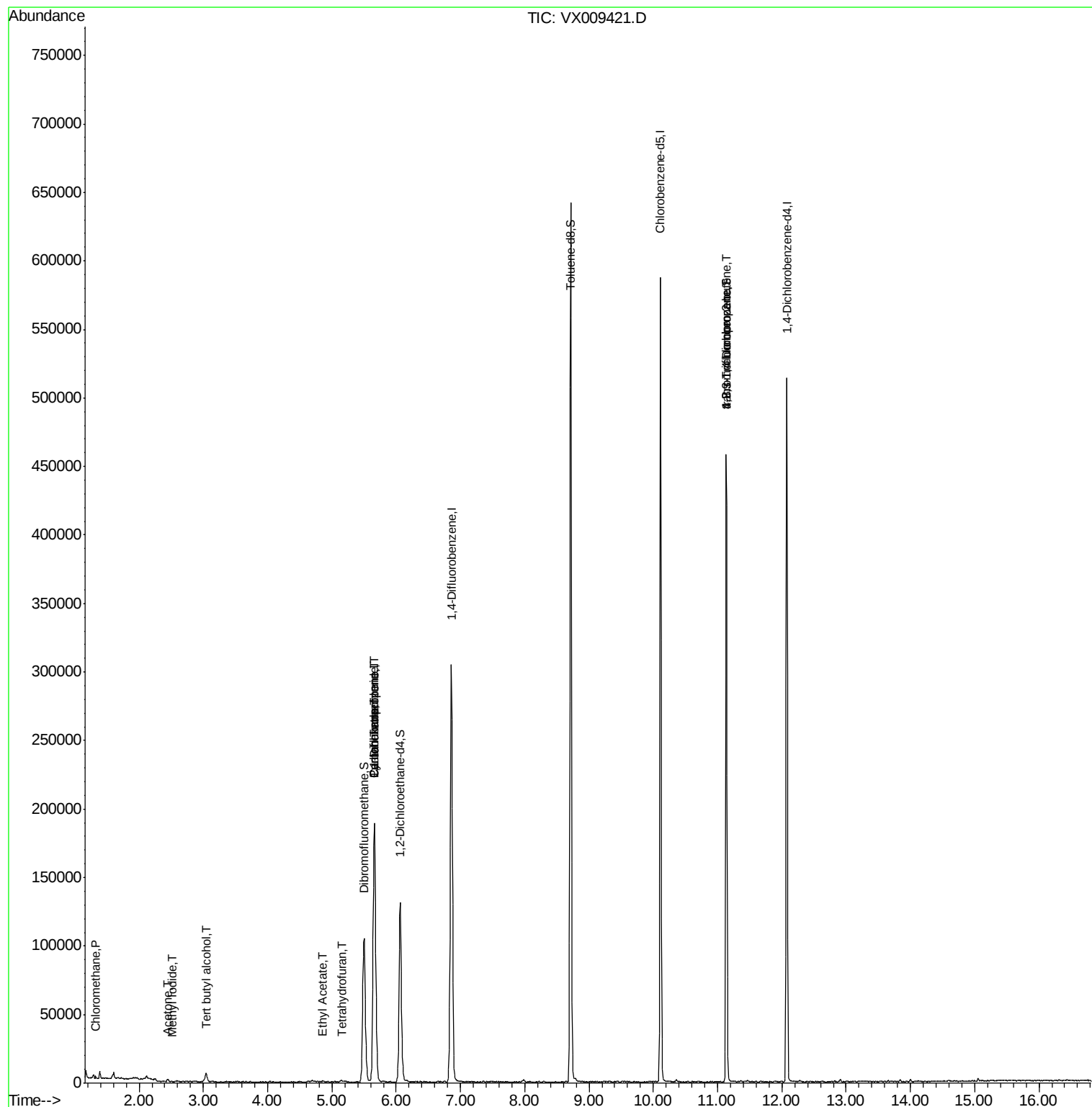
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	997	0.423	ug/l #	85
10) Methyl Iodide	2.51	142	165	4.667	ug/l #	73
11) Tert butyl alcohol	3.04	59	7385	12.483	ug/l #	92
16) Acetone	2.45	43	2148	1.565	ug/l	92
28) Bromochloromethane	5.01	49	67	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1216	0.886	ug/l #	73
31) Cyclohexane	5.67	56	4075	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14417	5.173	ug/l #	50
37) Ethyl Acetate	4.85	43	1672	0.431	ug/l #	82
38) Carbon Tetrachloride	5.66	117	16986	6.708	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61887	24.348	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61887	62.297	ug/l #	10

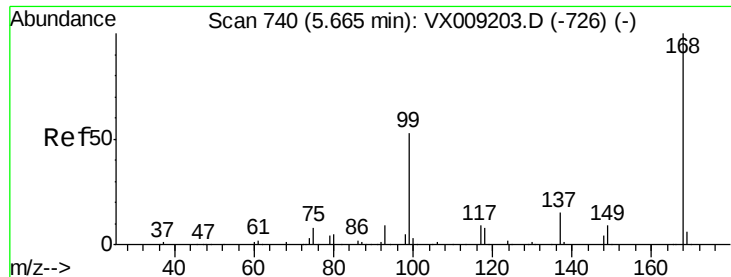
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: May 10 07:05:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

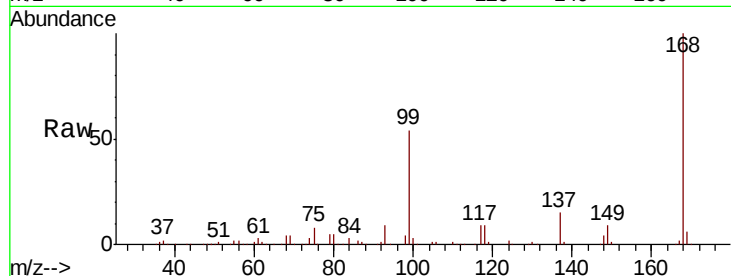
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 187225

Ion Ratio Lower Upper

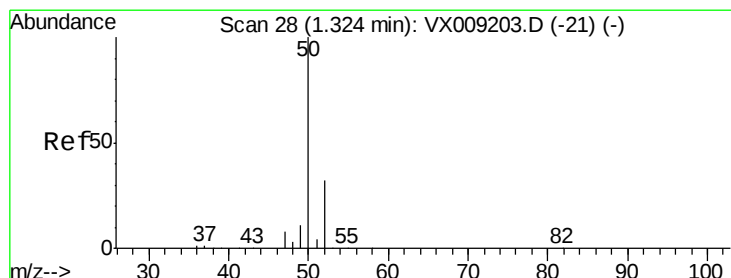
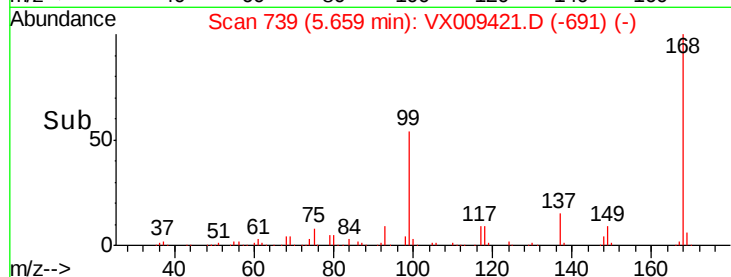
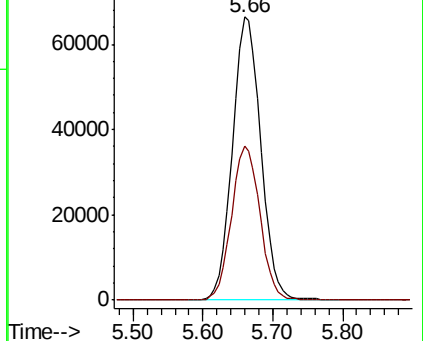
168 100

99 54.1 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: 0.423 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009421.D

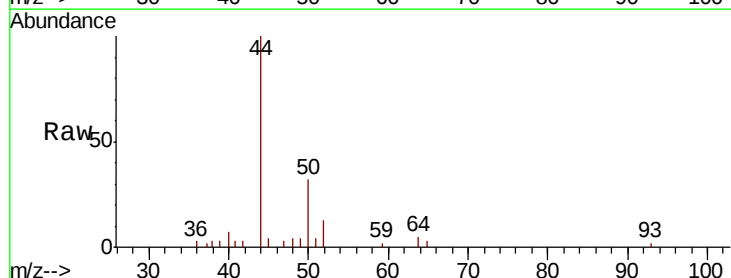
Acq: 09 May 2019 12:41

Tgt Ion: 50 Resp: 997

Ion Ratio Lower Upper

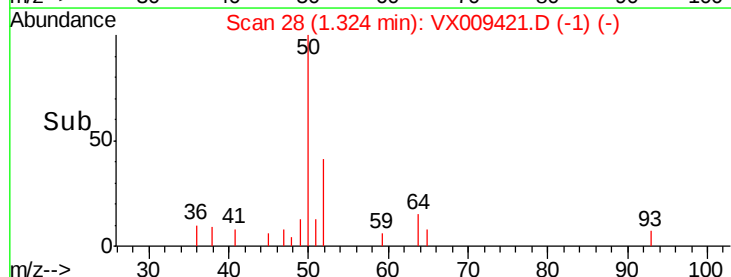
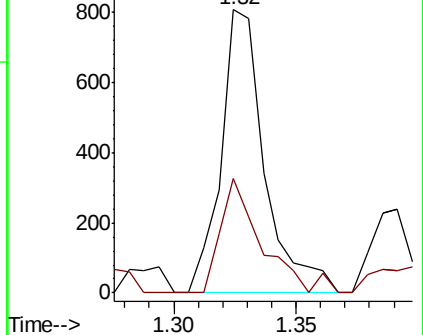
50 100

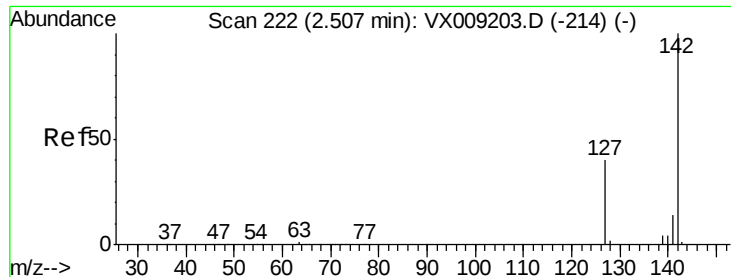
52 40.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

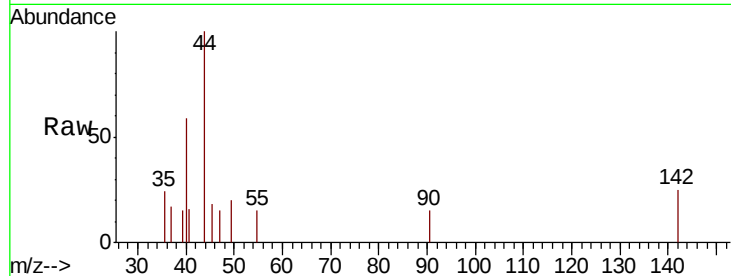




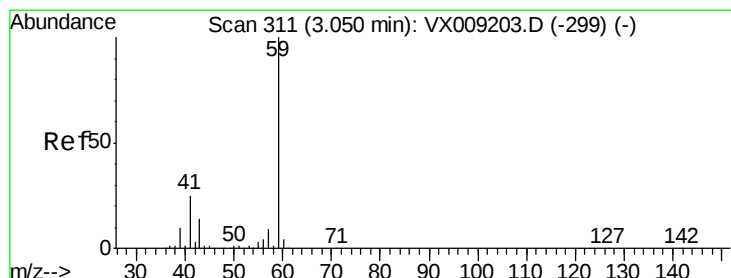
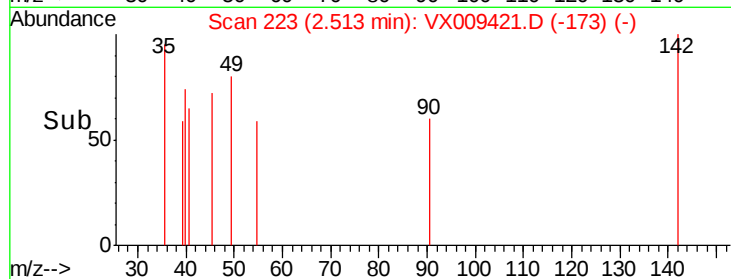
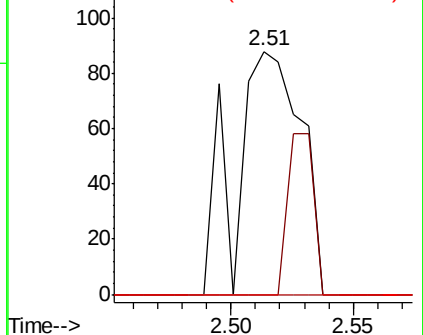
#10
Methvl Iodide
Concen: 4.667 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009421.D
Acq: 09 May 2019 12:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 25.5 32.7 49.1#
141 0.0 11.5 17.3#

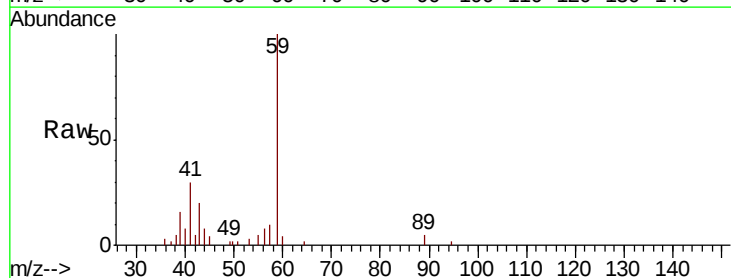


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

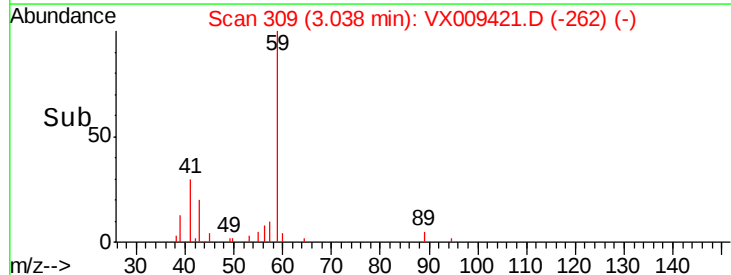
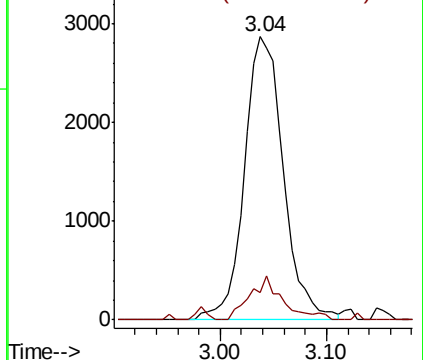


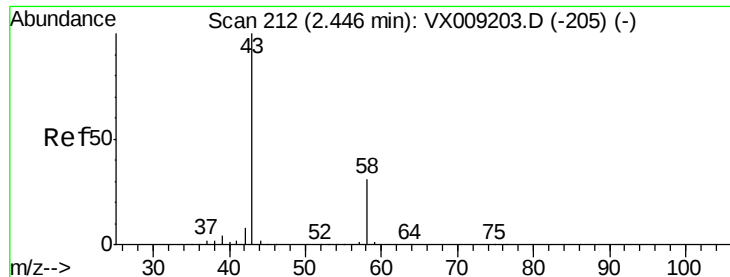
#11
Tert butyl alcohol
Concen: 12.483 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009421.D
Acq: 09 May 2019 12:41

Tgt Ion: 59 Resp: 7385
Ion Ratio Lower Upper
59 100
57 13.1 8.2 12.2#



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





#16

Acetone

Concen: 1.565 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

Instrument :

MSVOA_X

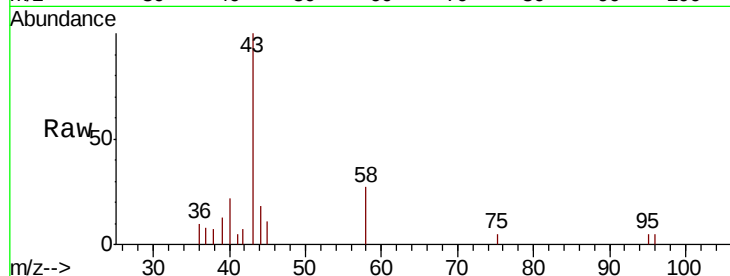
ClientSampleId :

Tot Ion: 43 Resp: 2148

Ion Ratio Lower Upper

43 100

58 26.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1200

1000

800

600

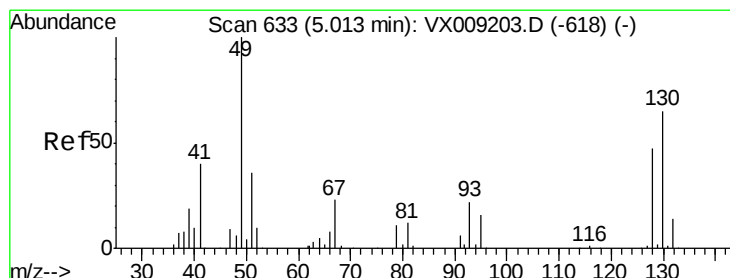
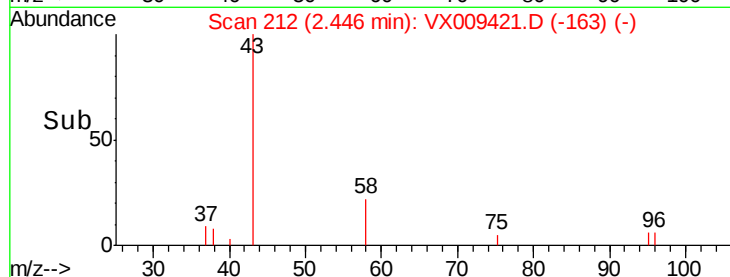
400

200

0

Time-->

2.40 2.45 2.50 2.55



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

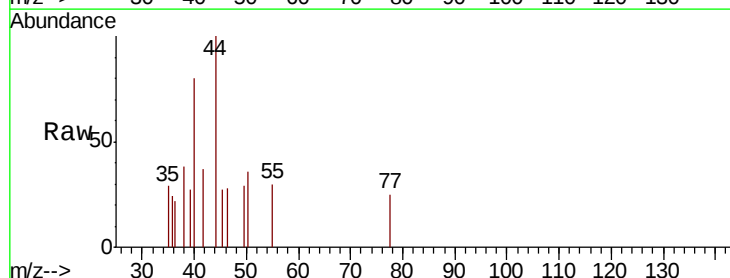
Tgt Ion: 49 Resp: 67

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

80

60

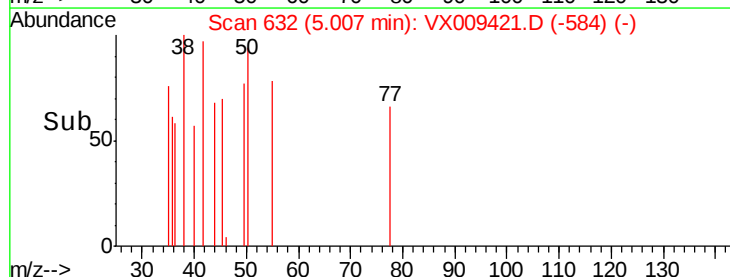
40

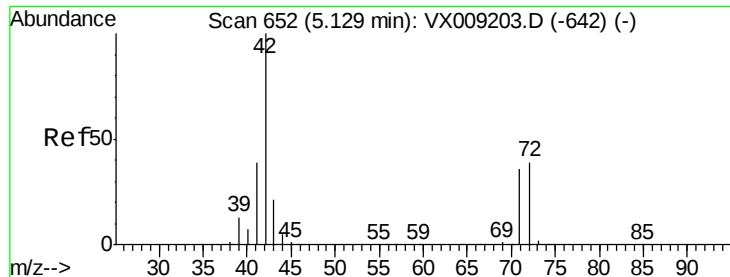
20

0

Time-->

4.98 5.00 5.02





#29

Tetrahydrofuran

Concen: 0.886 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

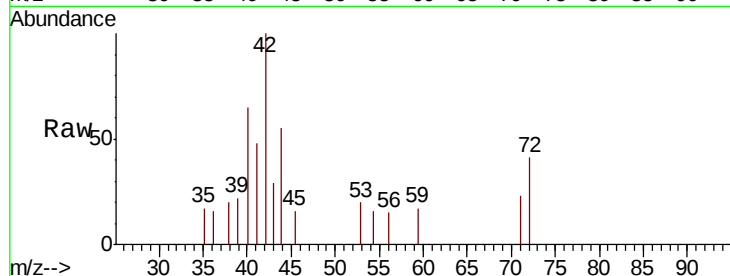
Tot Ion: 42 Resp: 1216

Ion Ratio Lower Upper

42 100

72 28.5 30.4 45.6#

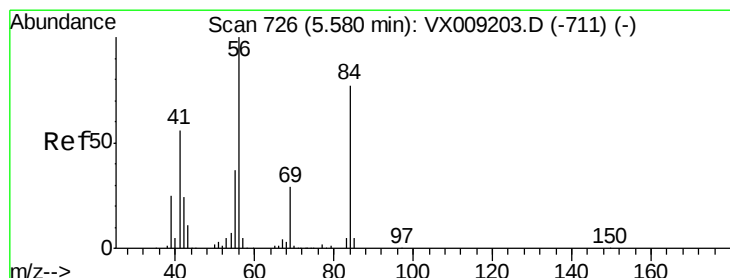
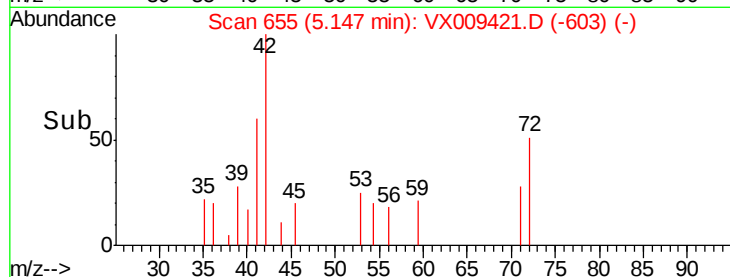
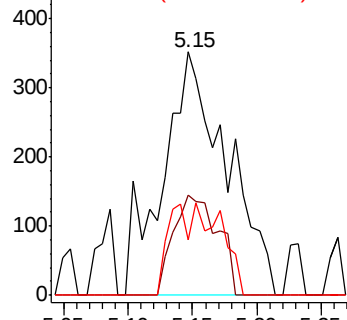
71 12.5 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

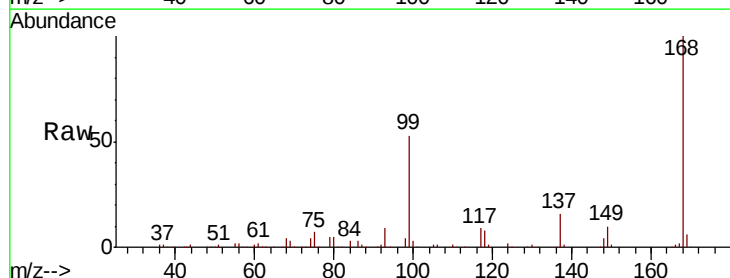
Tgt Ion: 56 Resp: 4075

Ion Ratio Lower Upper

56 100

69 158.3 23.4 35.0#

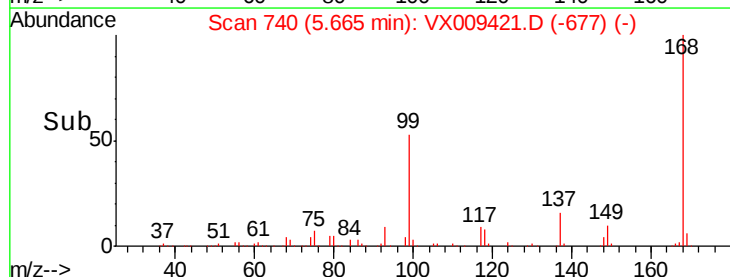
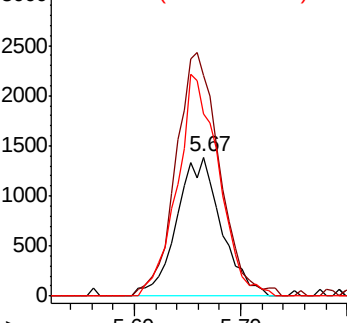
84 131.2 61.9 92.9#

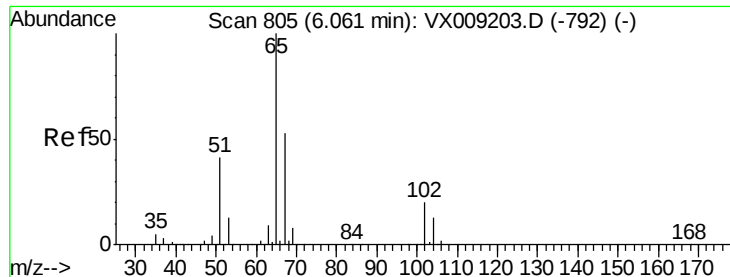


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

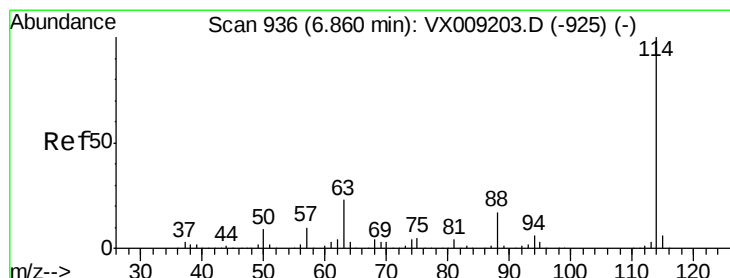
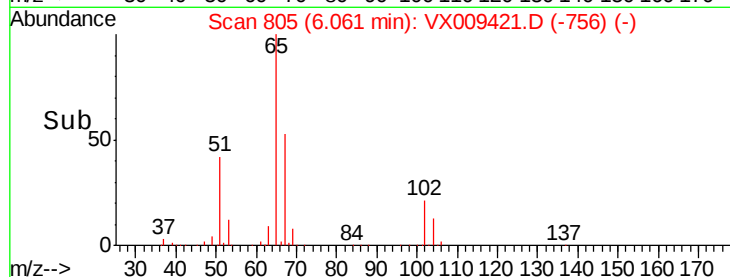
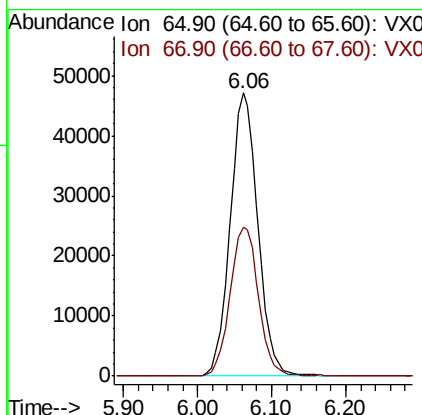
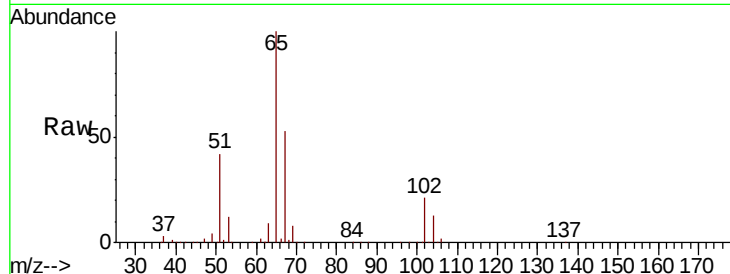




#33
 1,2-Dichloroethane-d4
 Concen: 47.959 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009421.D
 Acq: 09 May 2019 12:41

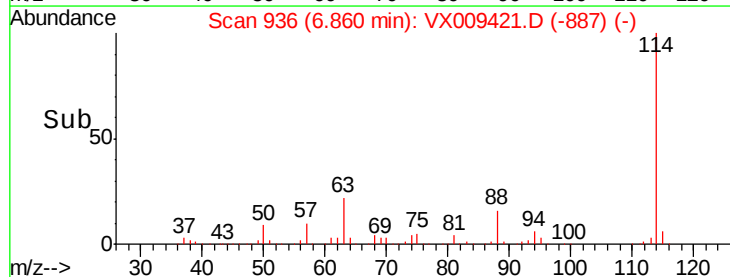
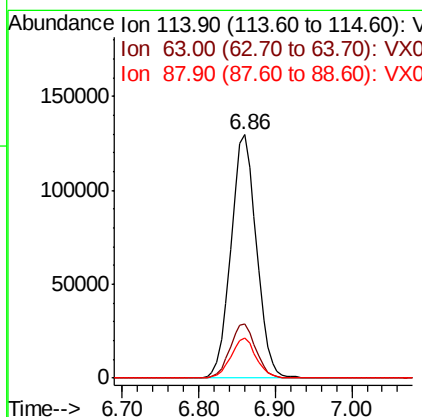
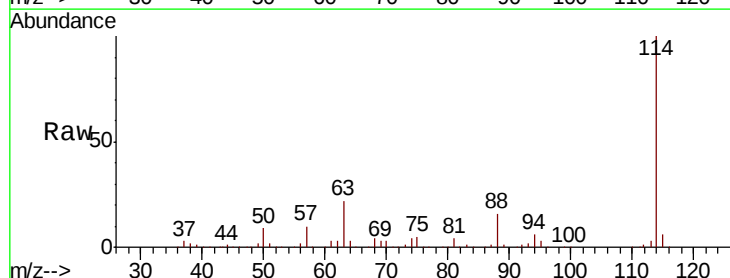
Instrument :
 MSVOA_X
 ClientSampled :

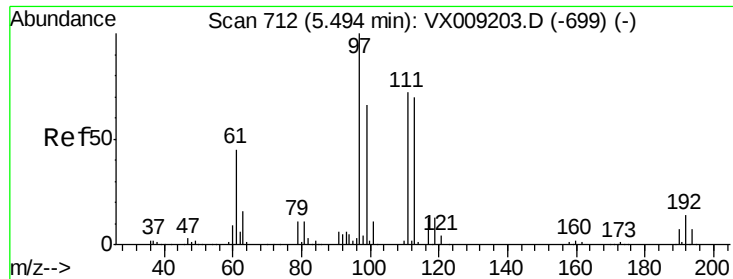
Tot Ion: 65 Resp: 122576
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009421.D
 Acq: 09 May 2019 12:41

Tgt Ion: 114 Resp: 299901
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.6
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.709 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

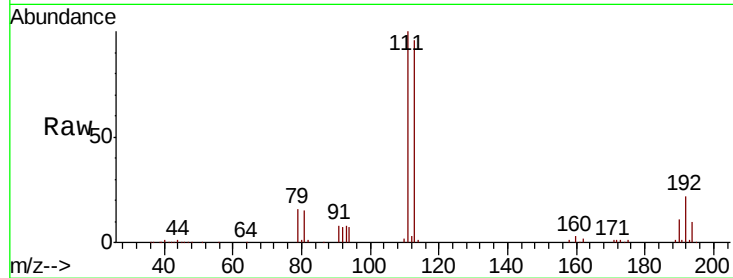
Tot Ion:113 Resp: 91831

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

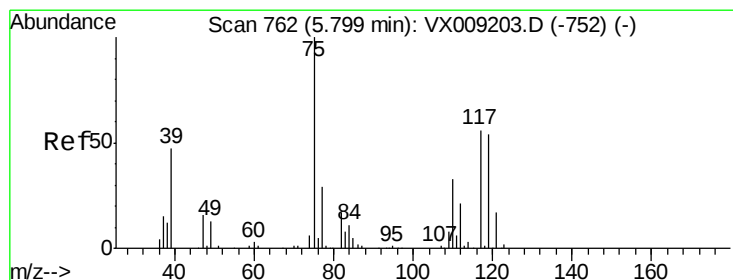
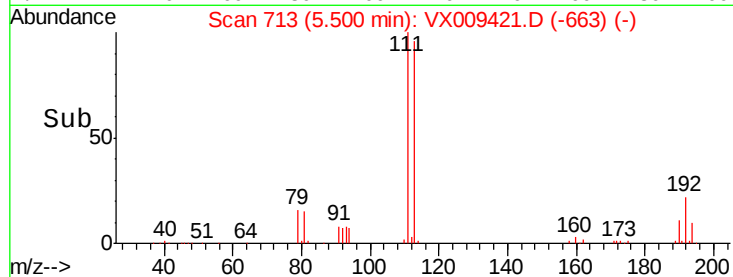
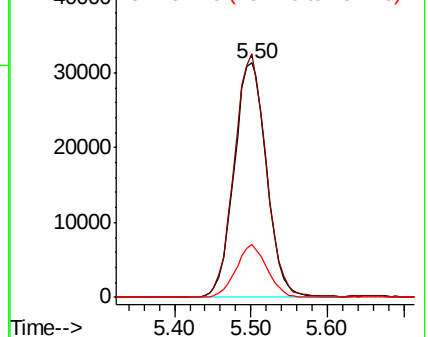
192 21.6 17.0 25.6



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: 5.173 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

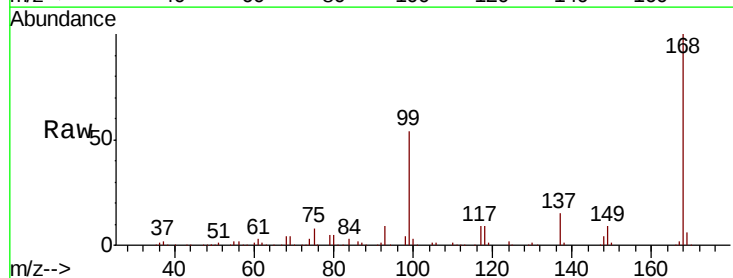
Tgt Ion: 75 Resp: 14417

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

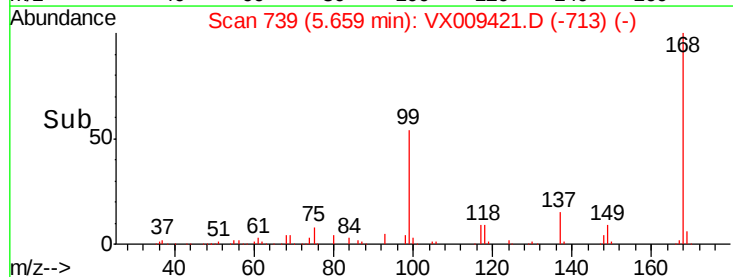
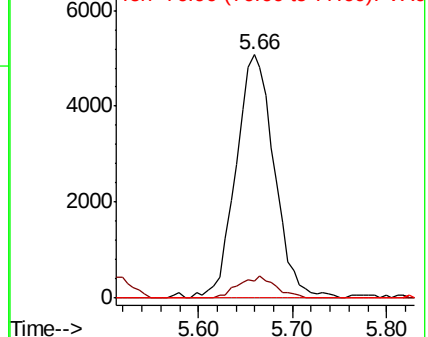
77 0.0 24.8 37.2#

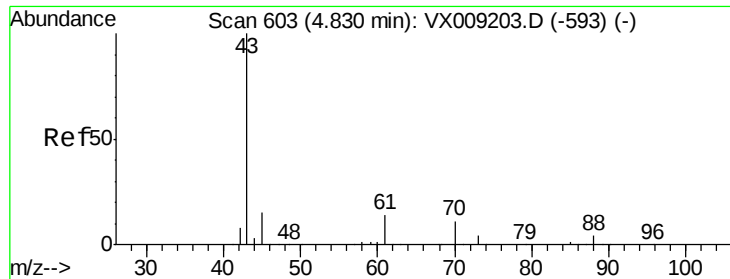


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.431 ug/l

RT: 4.85 min Scan# 606

Delta R.T. 0.02 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

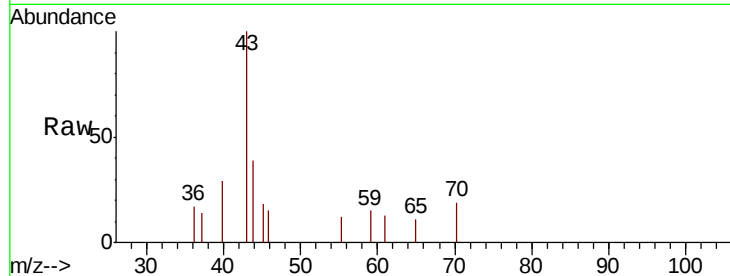
Tot Ion: 43 Resp: 1672

Ion Ratio Lower Upper

43 100

61 2.9 10.5 15.7#

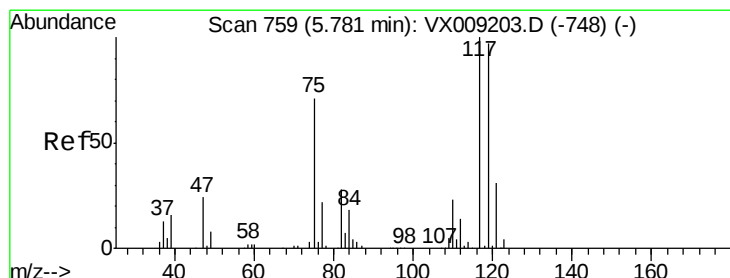
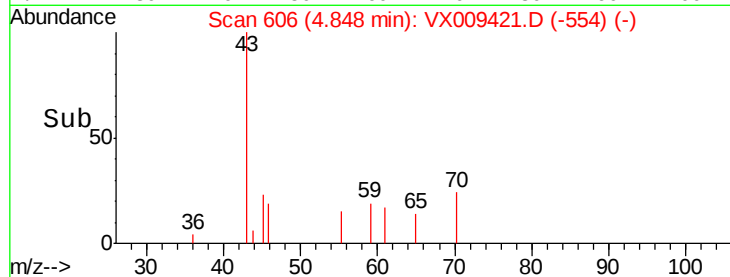
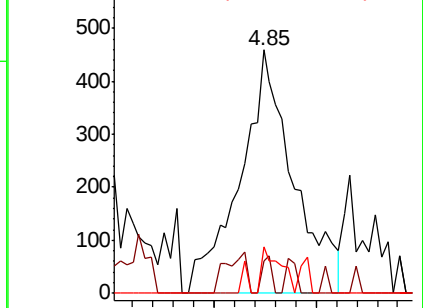
70 6.8 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

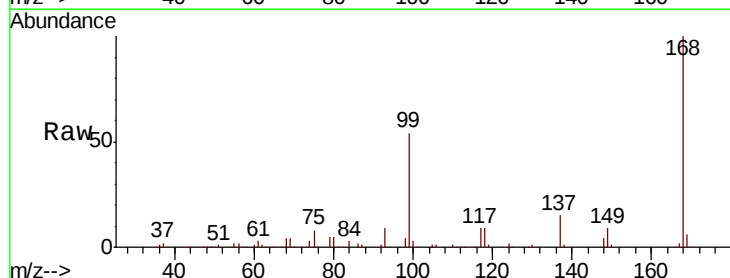
Tgt Ion: 117 Resp: 16986

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

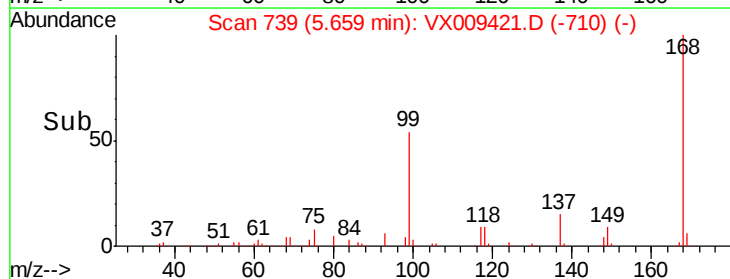
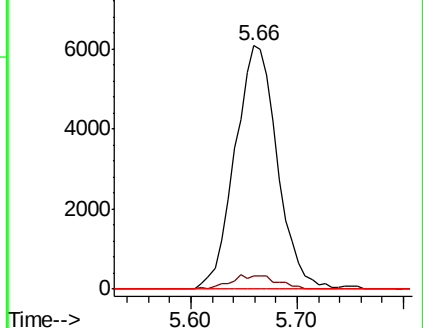
121 0.0 24.7 37.1#

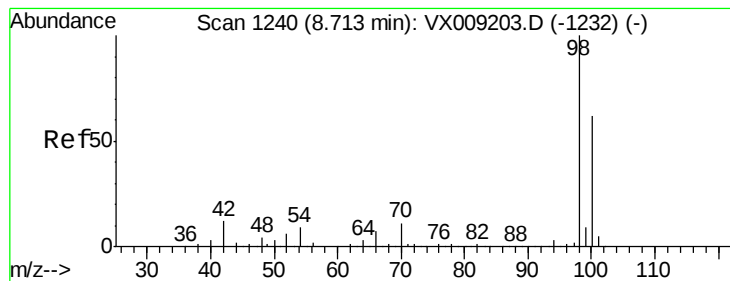


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.879 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

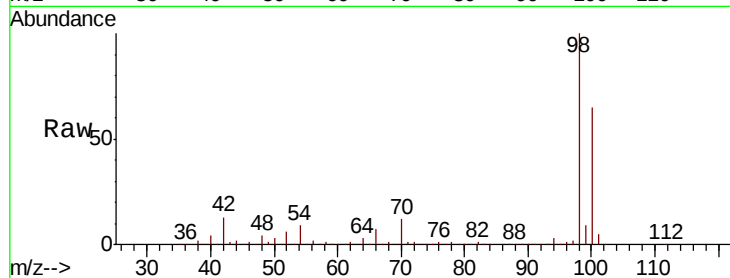
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 372035

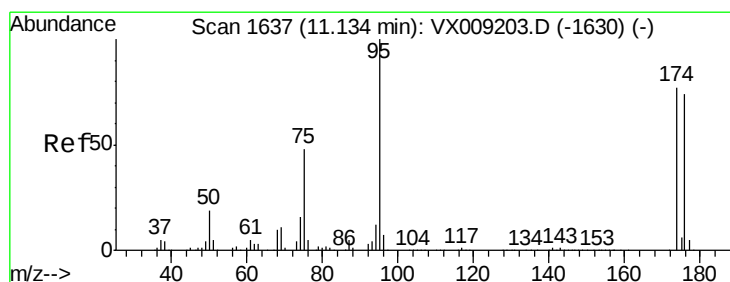
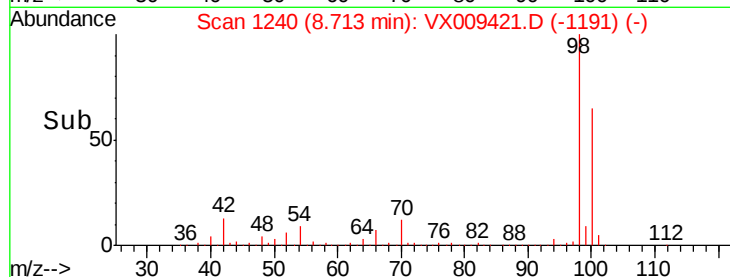
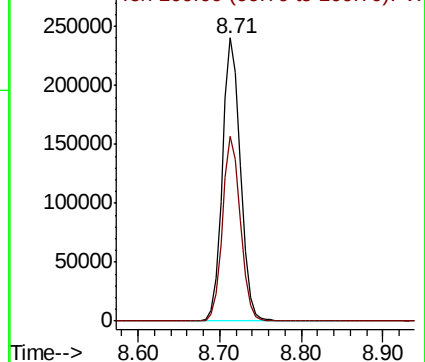
Ion Ratio Lower Upper

98 100

100 64.5 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: 43.912 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

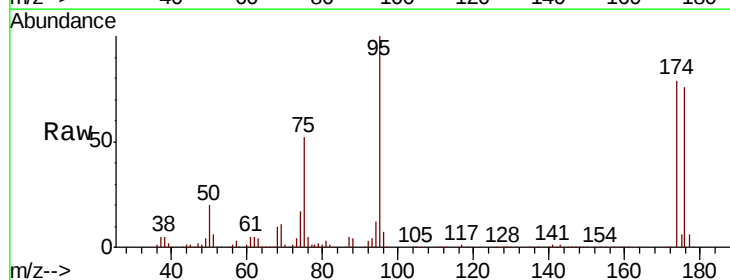
Tgt Ion: 95 Resp: 121448

Ion Ratio Lower Upper

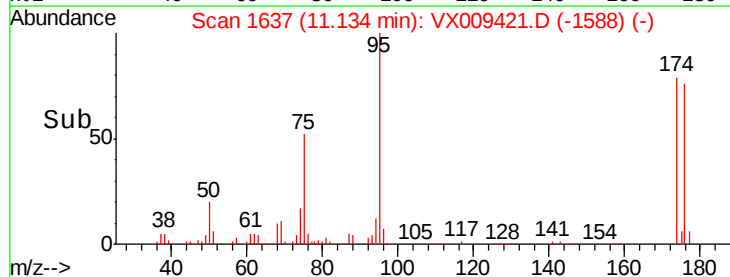
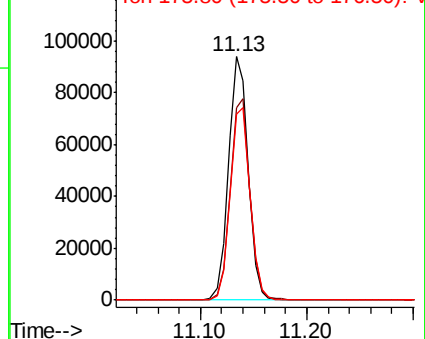
95 100

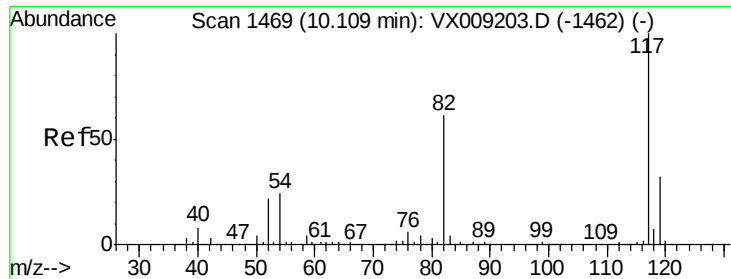
174 82.8 0.0 161.6

176 80.5 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

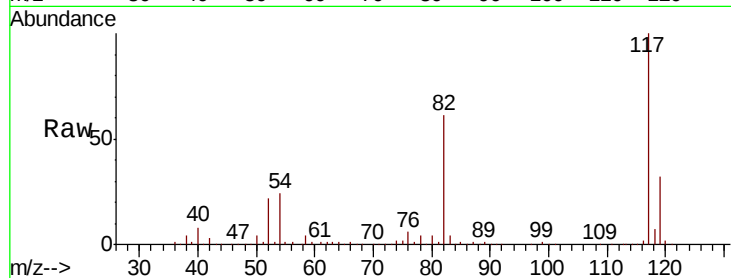




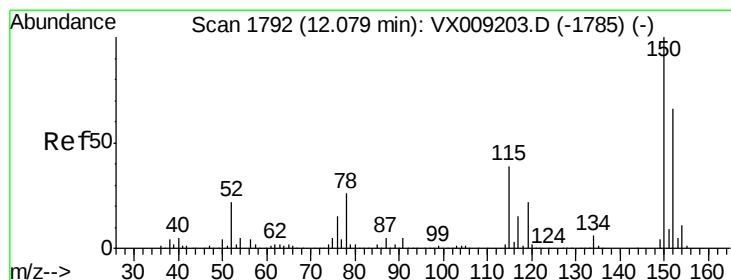
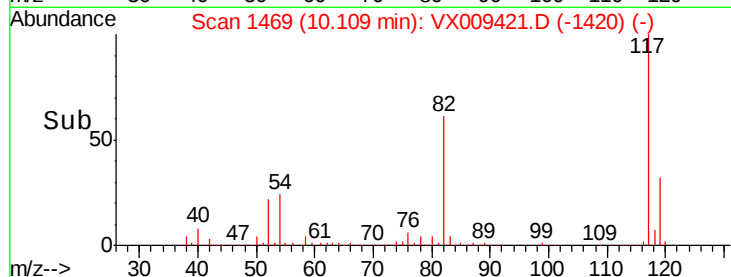
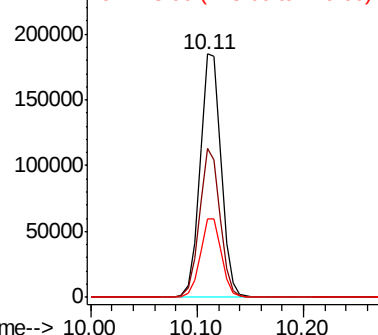
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009421.D
Acq: 09 May 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 257176
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 32.3 25.8 38.6

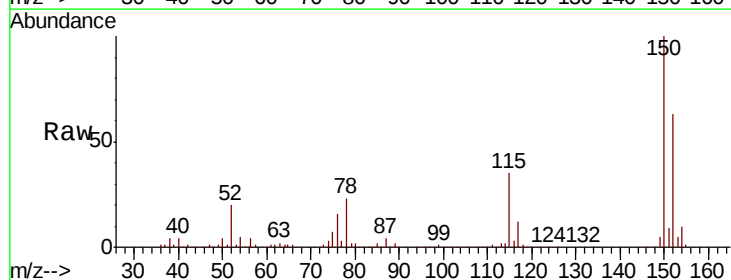


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

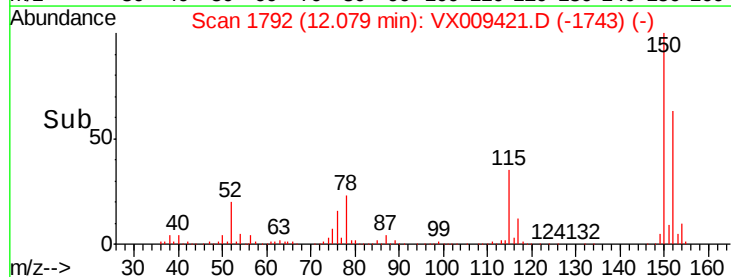
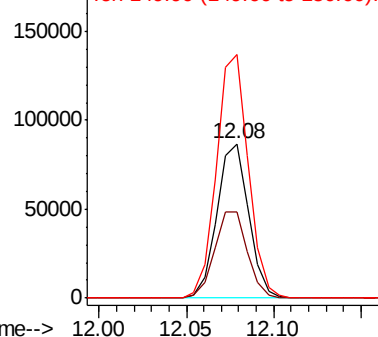


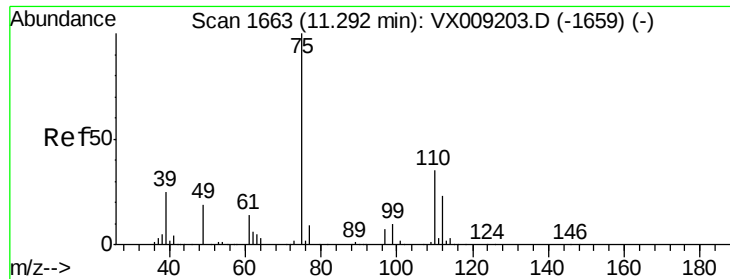
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009421.D
Acq: 09 May 2019 12:41

Tgt Ion:152 Resp: 109577
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 158.4 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: 24.348 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

Instrument :

MSVOA_X

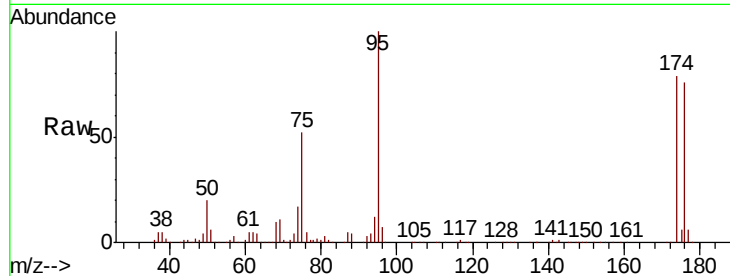
ClientSampleId :

Tot Ion: 75 Resp: 61887

Ion Ratio Lower Upper

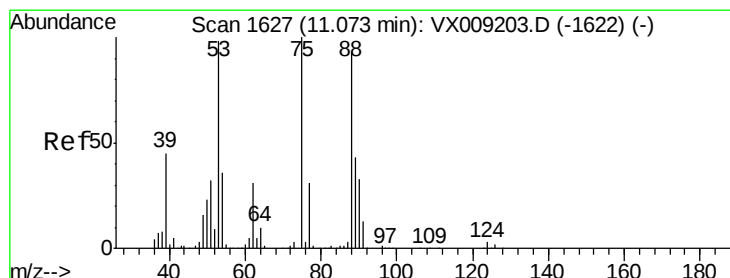
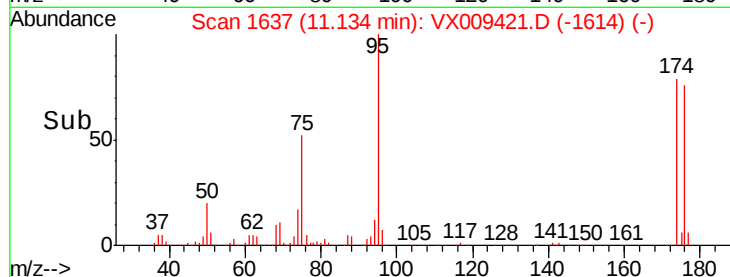
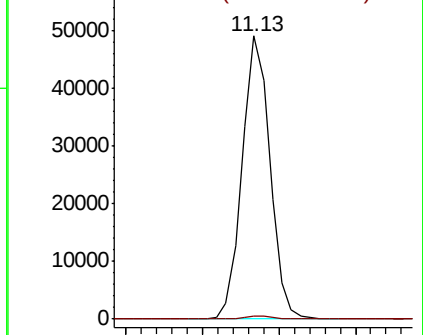
75 100

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: 62.297 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009421.D

Acq: 09 May 2019 12:41

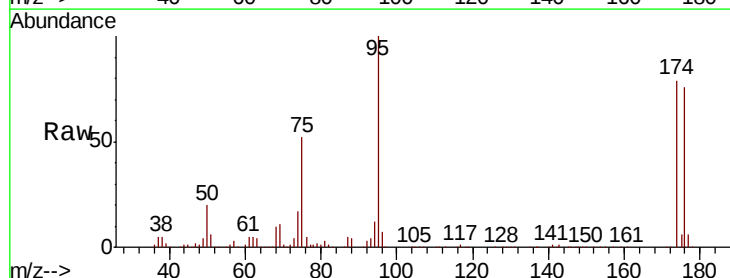
Tgt Ion: 75 Resp: 61887

Ion Ratio Lower Upper

75 100

53 0.2 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

