

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009466.D
 Acq On : 10 May 2019 06:56
 Operator : JC/SP
 Sample : K2782-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 09:06:29 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	5.67	168	190471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112215	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125675	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	5.50	113	92756	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	8.71	98	380401	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	124883	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

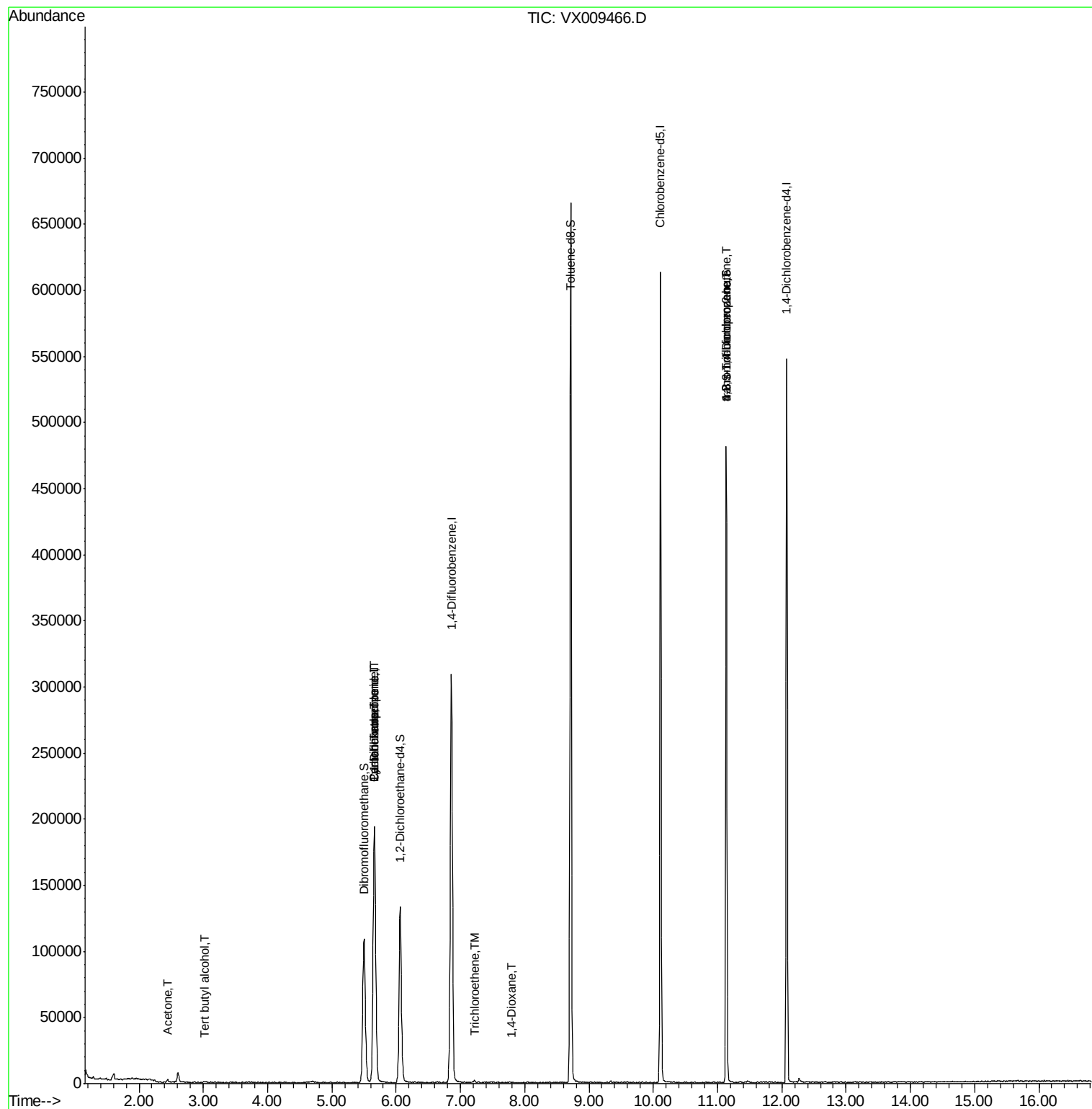
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.03	59	460	0.764	ug/l #	73
16) Acetone	2.44	43	2144	1.536	ug/l	96
28) Bromochloromethane	5.00	49	49	Below Cal	#	20
31) Cyclohexane	5.67	56	4103	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14606	5.175	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18194	7.095	ug/l #	17
44) Trichloroethene	7.21	130	648	0.307	ug/l	84
49) 1,4-Dioxane	7.79	88	19	0.300	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63891	24.545	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63891	62.803	ug/l #	10

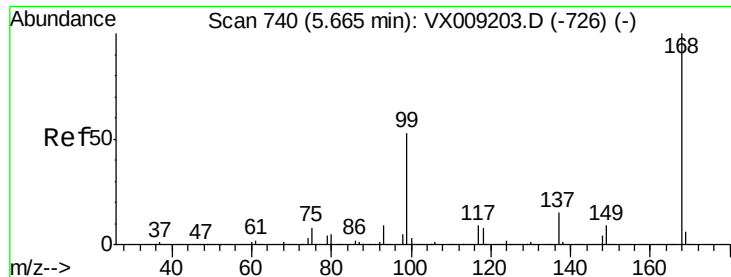
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 07:31:15 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: VX009466.D

Acq: 10 May 2019 06:56

Instrument :

MSVOA_X

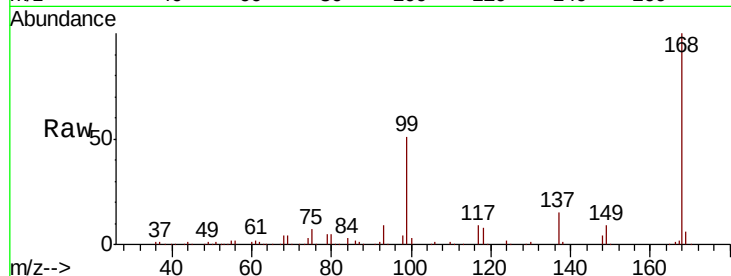
ClientSampleId :

Tot Ion:168 Resp: 190471

Ion Ratio Lower Upper

168 100

99 51.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.67

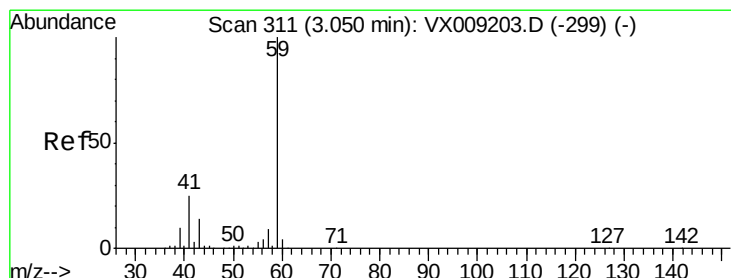
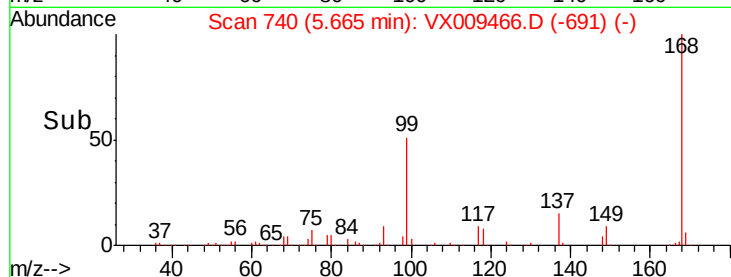
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.764 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009466.D

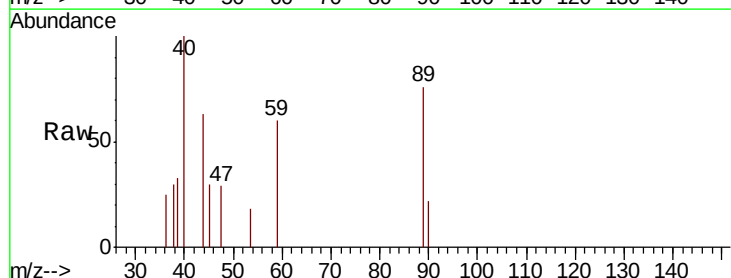
Acq: 10 May 2019 06:56

Tgt Ion: 59 Resp: 460

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX009203.D (-299) (-)

Ion 57.00 (56.70 to 57.70): VX009203.D (-299) (-)

3.03

200

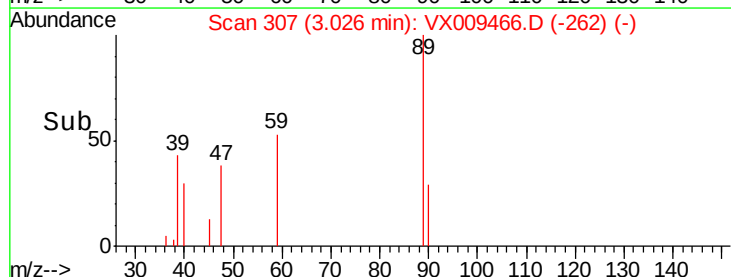
150

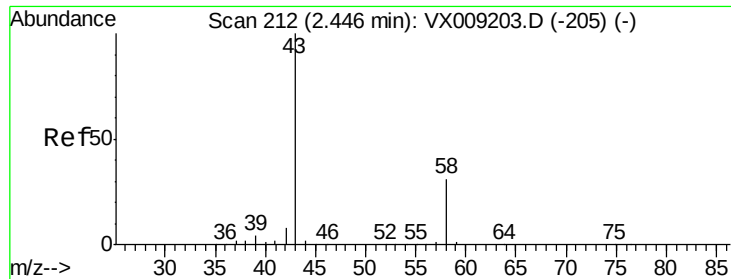
100

50

0

Time--> 2.95 3.00 3.05





#16

Acetone

Concen: 1.536 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

Instrument :

MSVOA_X

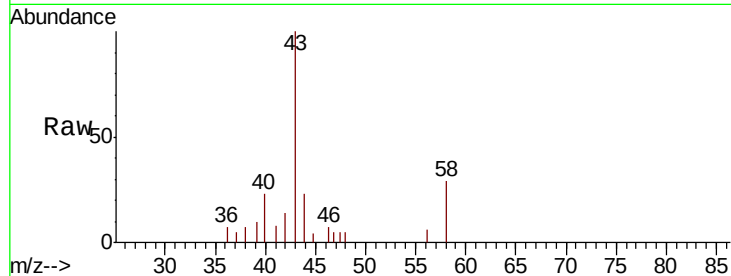
ClientSampled :

Tot Ion: 43 Resp: 2144

Ion Ratio Lower Upper

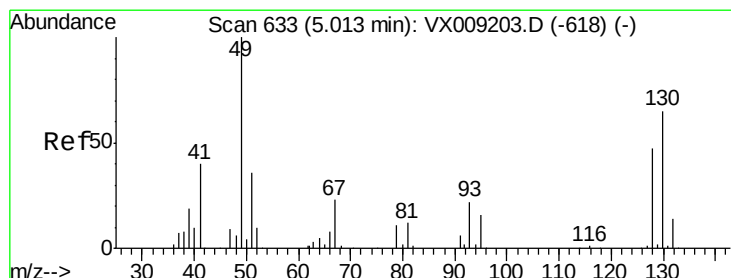
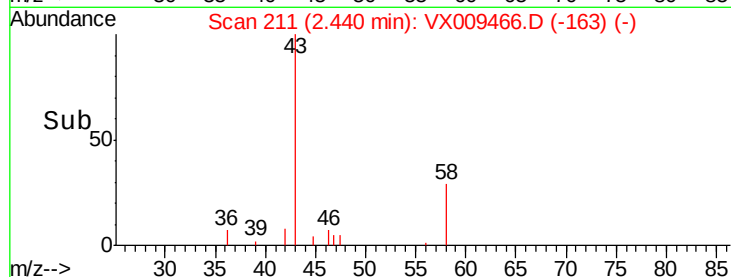
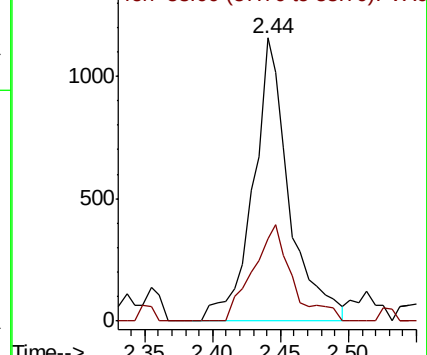
43 100

58 28.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

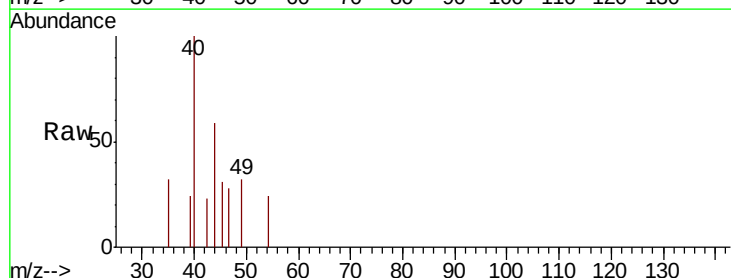
Tgt Ion: 49 Resp: 49

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

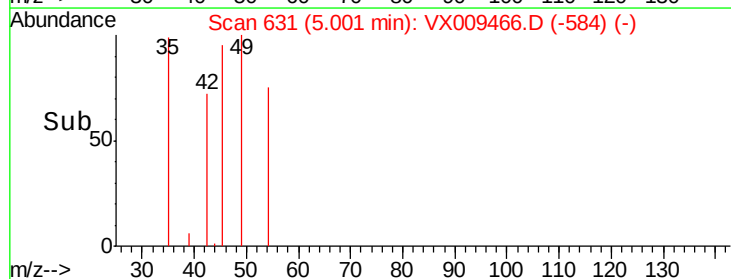
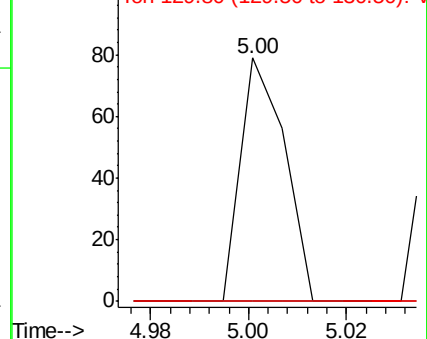
130 0.0 51.2 76.8#

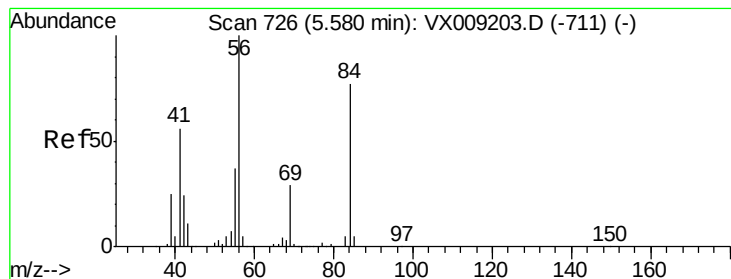


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

Instrument :

MSVOA_X

ClientSampled :

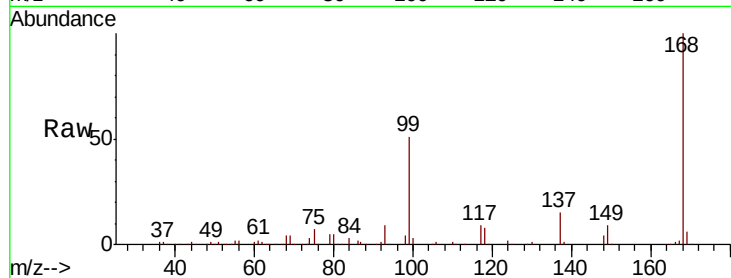
Tot Ion: 56 Resp: 4103

Ion Ratio Lower Upper

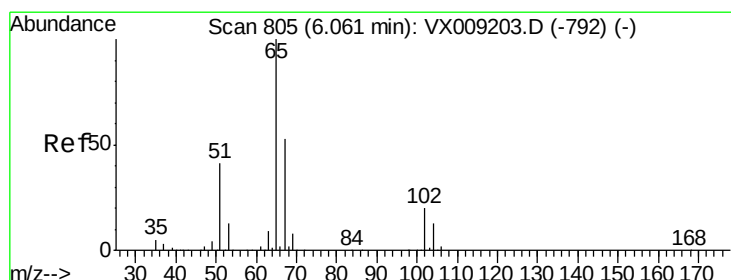
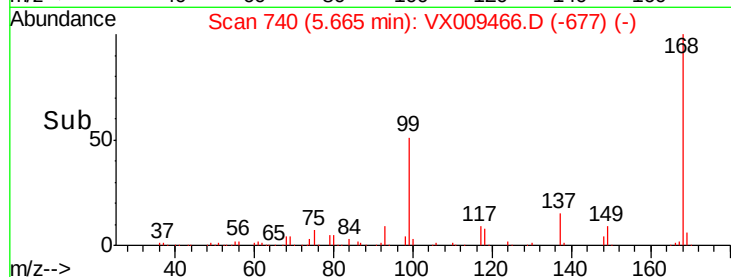
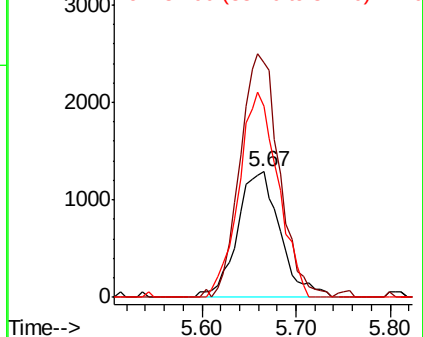
56 100

69 186.8 23.4 35.0#

84 152.9 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: 48.334 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009466.D

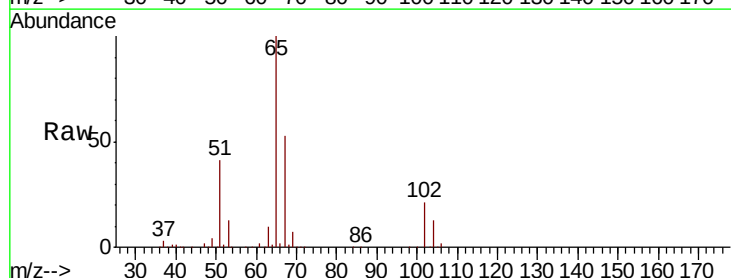
Acq: 10 May 2019 06:56

Tgt Ion: 65 Resp: 125675

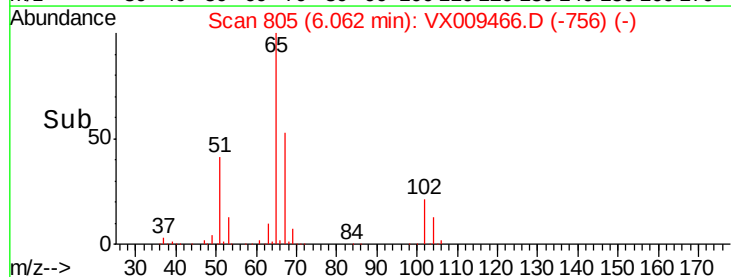
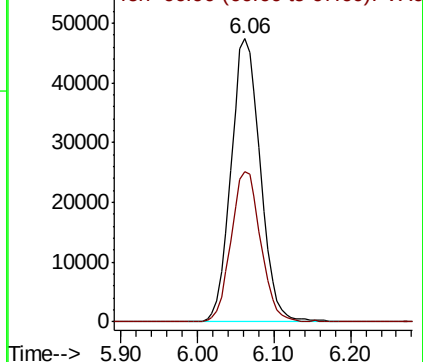
Ion Ratio Lower Upper

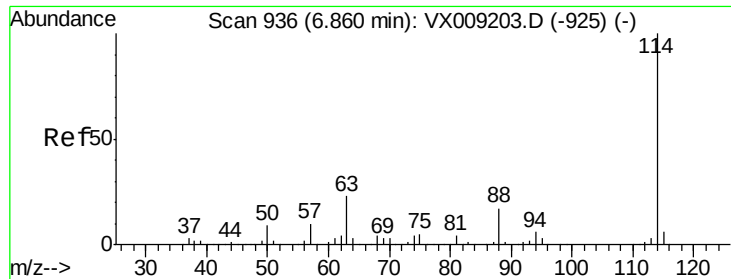
65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

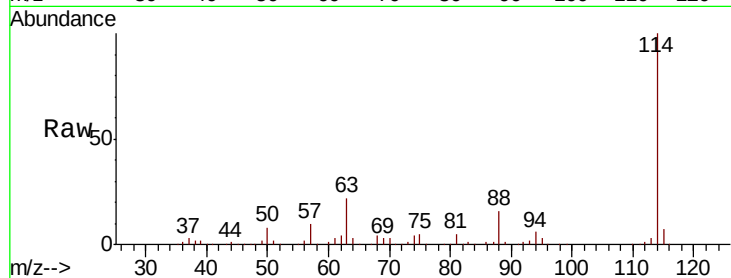




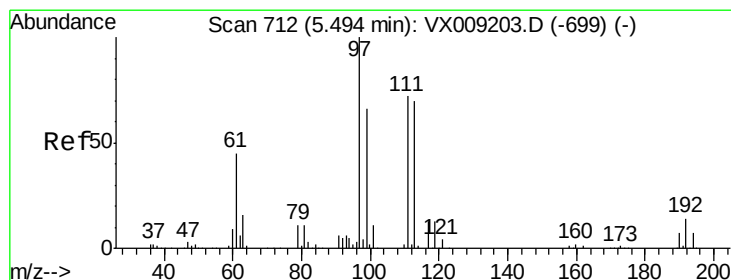
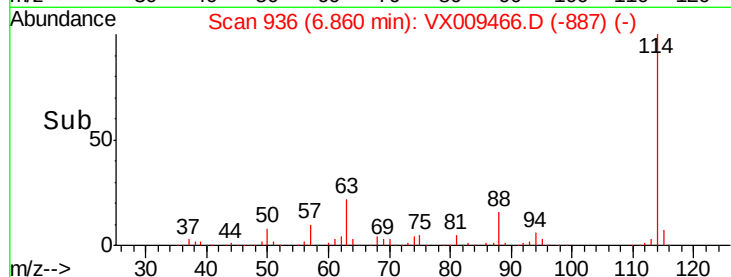
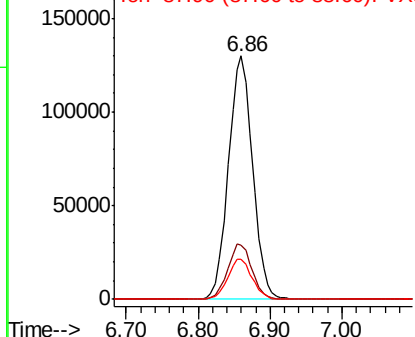
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 303716
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.6
 88 16.2 0.0 33.2

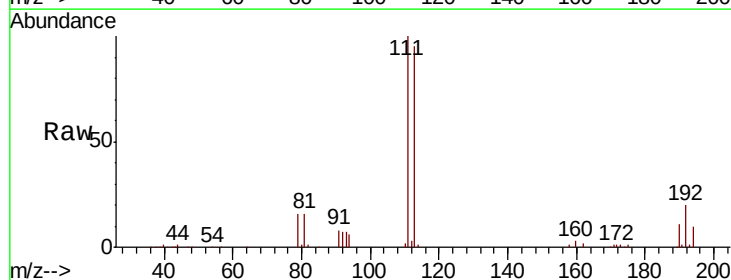


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

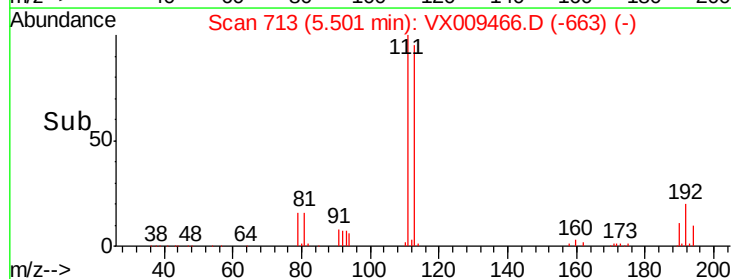
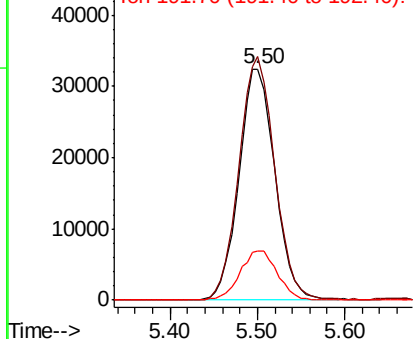


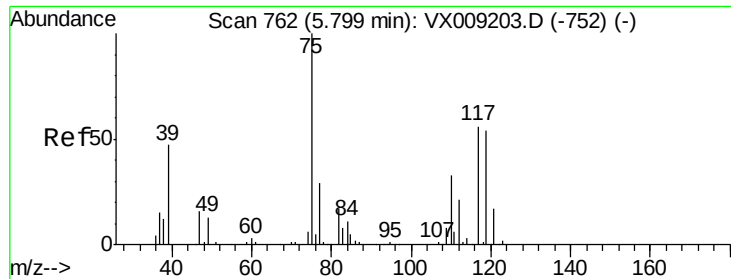
#35
 Dibromofluoromethane
 Concen: 48.582 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Tgt Ion:113 Resp: 92756
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.8 124.2
 192 22.1 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

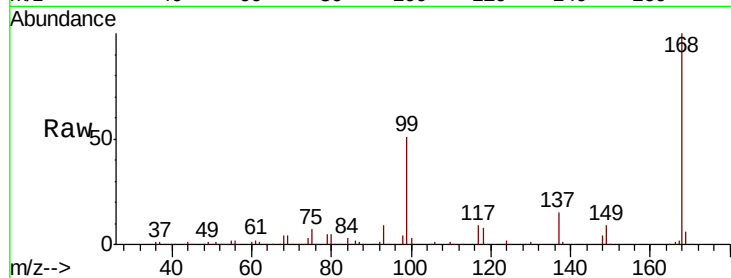




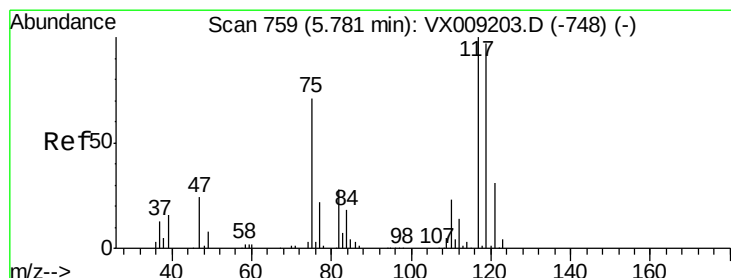
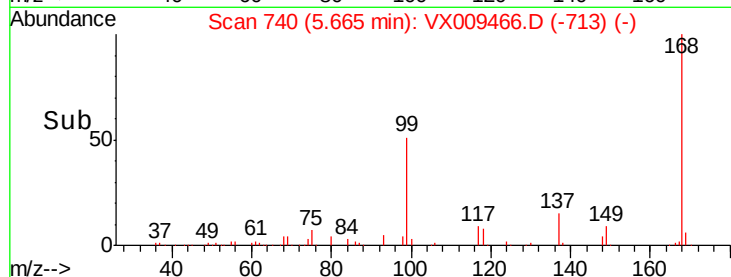
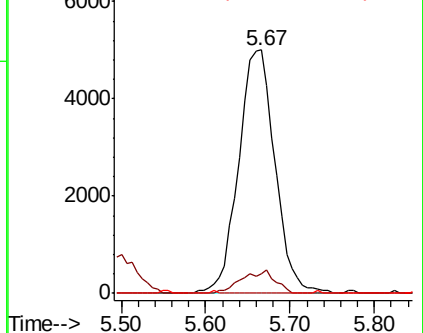
#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 14606
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#

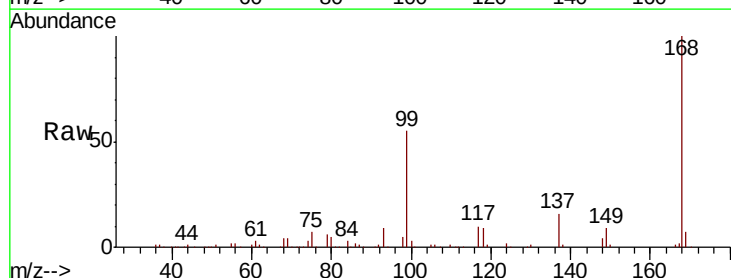


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

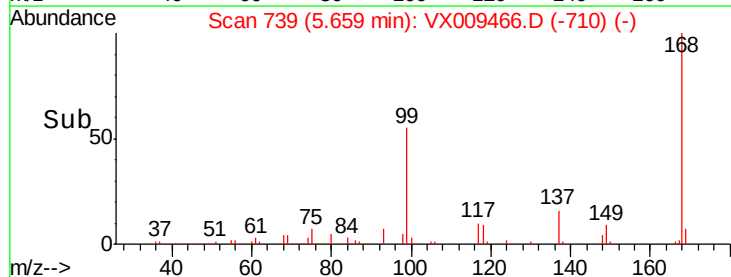
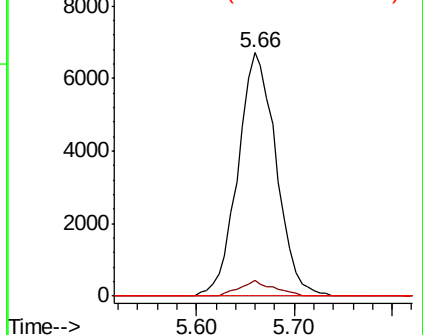


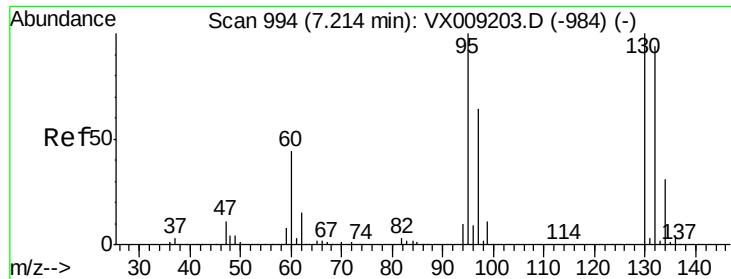
#38
 Carbon Tetrachloride
 Concen: 7.095 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Tgt Ion: 117 Resp: 18194
 Ion Ratio Lower Upper
 117 100
 119 6.7 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

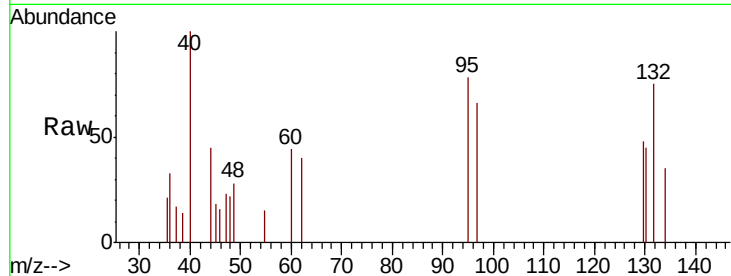




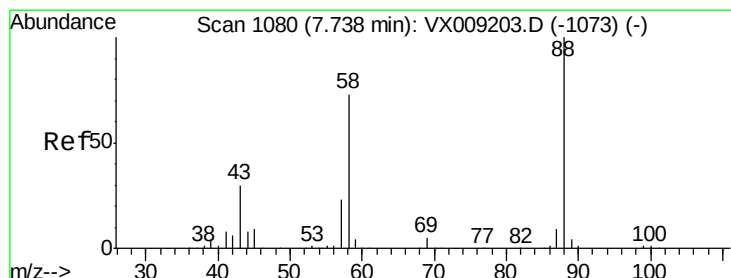
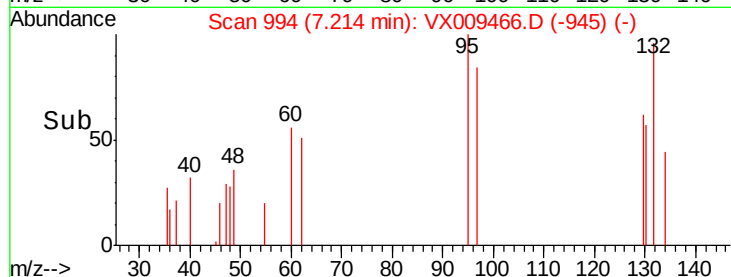
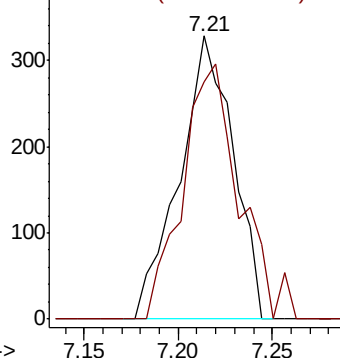
#44
 Trichloroethene
 Concen: 0.307 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 648
 Ion Ratio Lower Upper
 130 100
 95 83.8 0.0 199.2

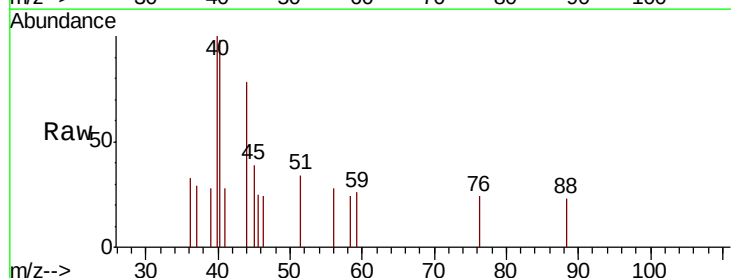


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

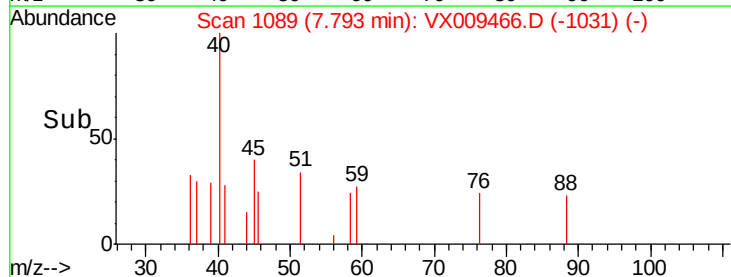
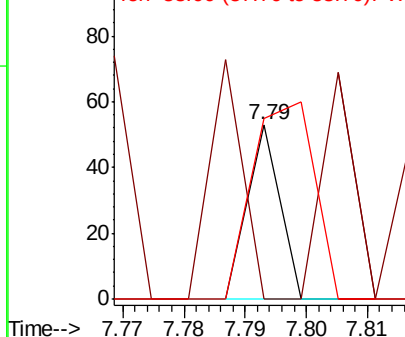


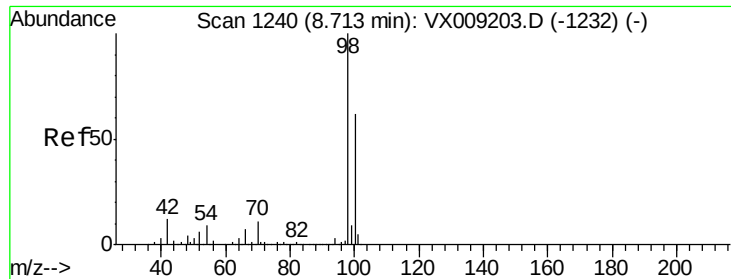
#49
 1,4-Dioxane
 Concen: 0.300 ug/l
 RT: 7.79 min Scan# 1089
 Delta R.T. 0.05 min
 Lab File: VX009466.D
 Acq: 10 May 2019 06:56

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 142.1 28.6 42.8#
 58 0.0 61.7 92.5#



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: 49.350 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

Instrument :

MSVOA_X

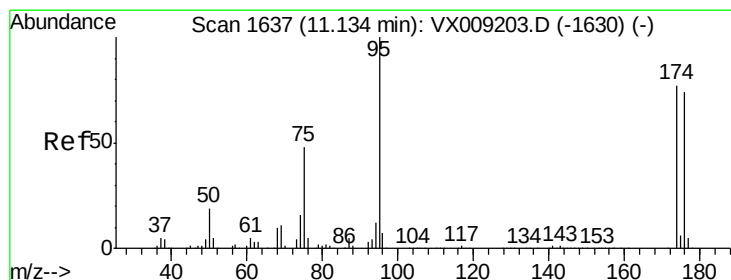
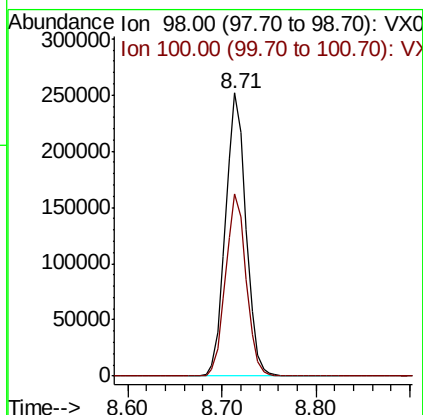
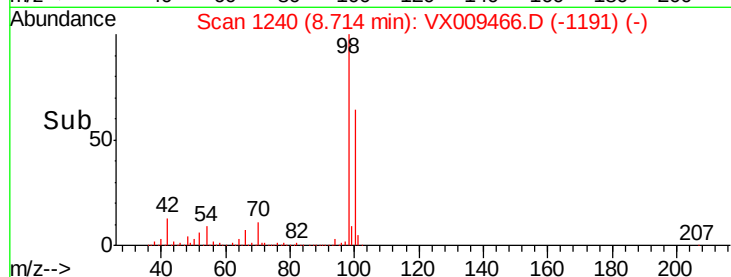
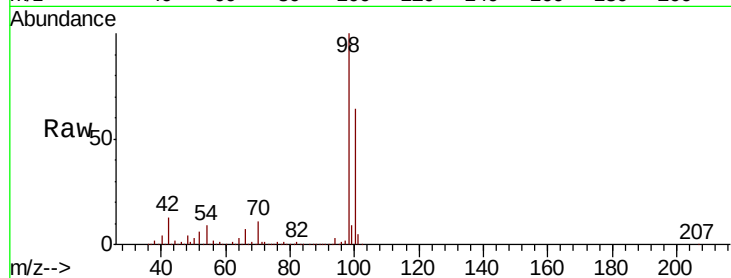
ClientSampleId :

Tot Ion: 98 Resp: 380401

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.587 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

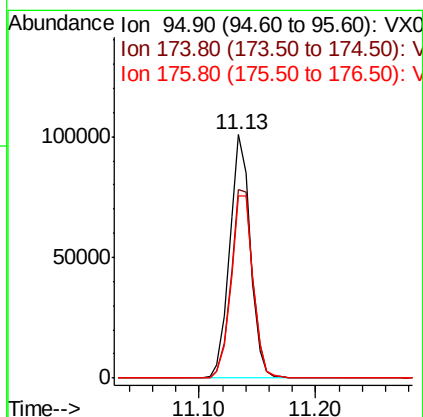
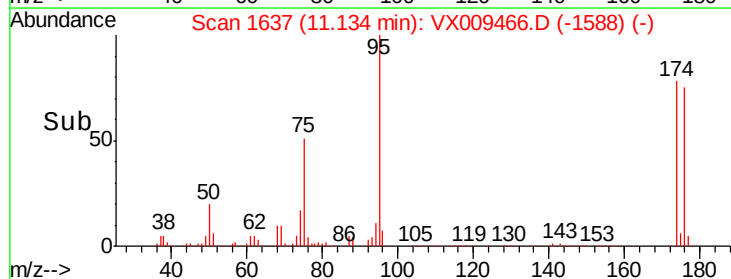
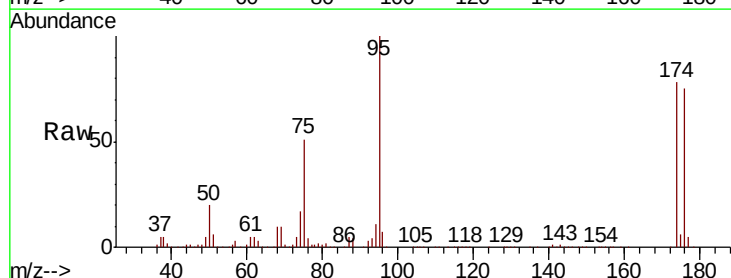
Tgt Ion: 95 Resp: 124883

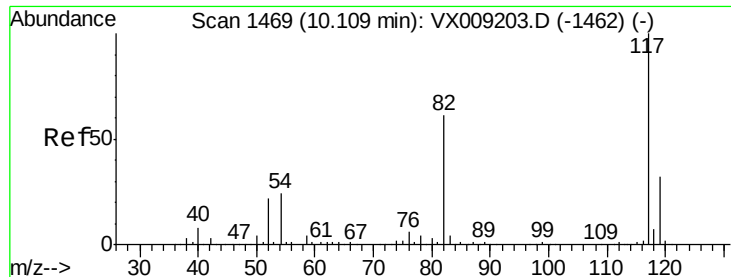
Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

176 79.5 0.0 159.2

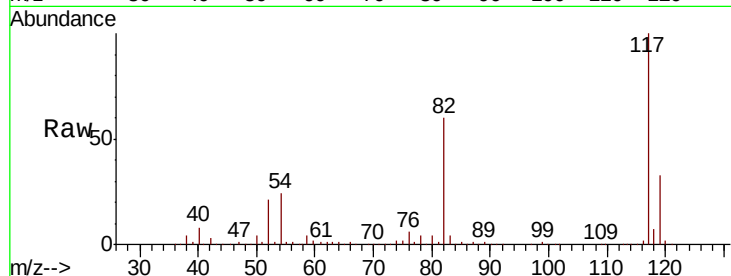




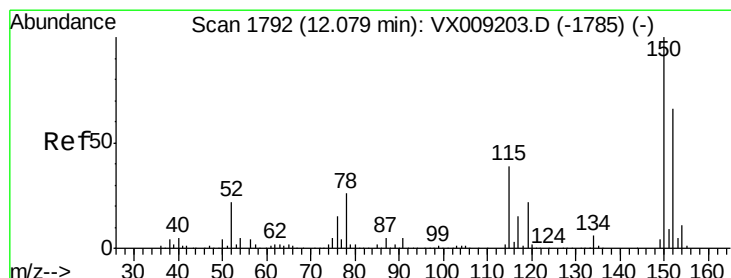
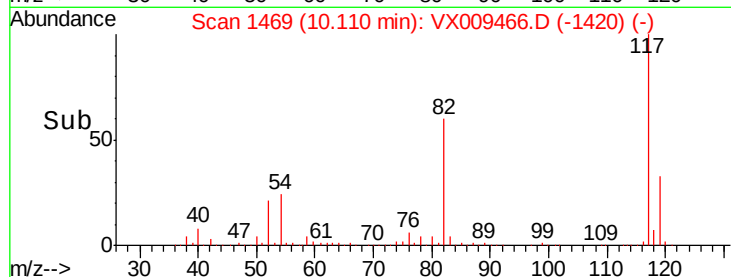
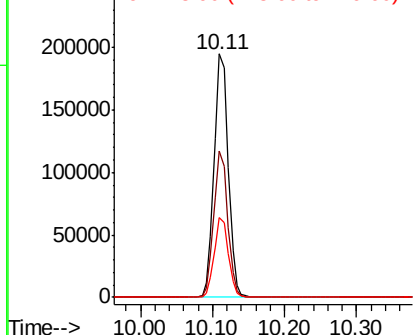
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009466.D
Acq: 10 May 2019 06:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 266468
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 32.8 25.8 38.6

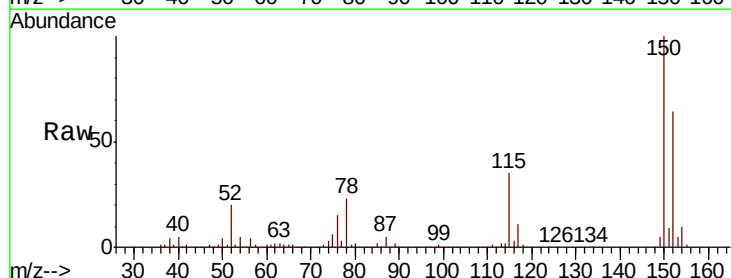


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

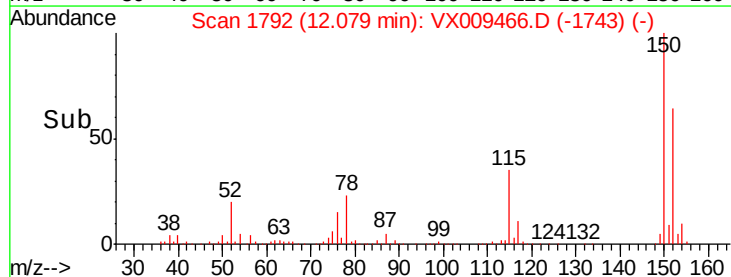
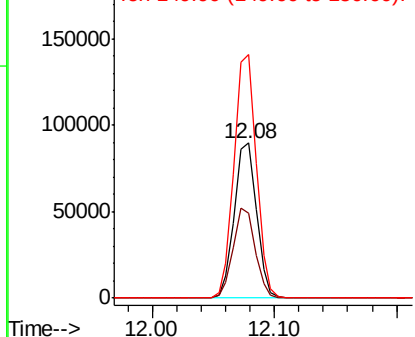


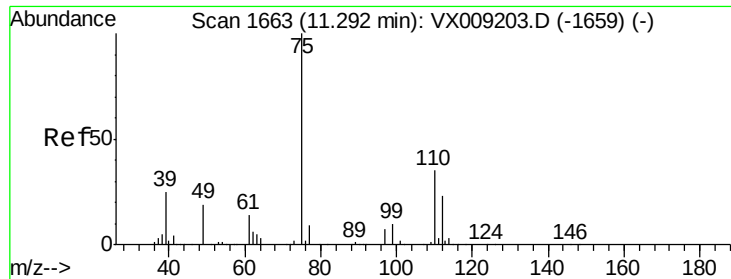
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009466.D
Acq: 10 May 2019 06:56

Tgt Ion:152 Resp: 112215
Ion Ratio Lower Upper
152 100
115 57.7 41.2 123.6
150 157.6 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: 24.545 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

Instrument :

MSVOA_X

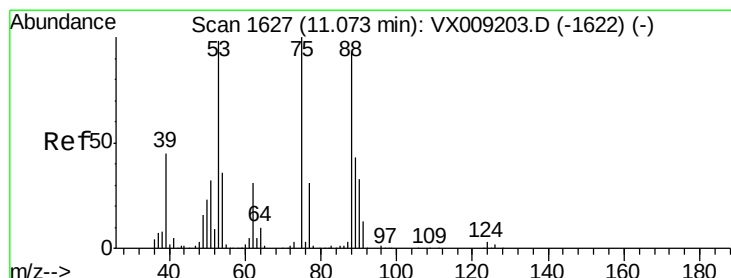
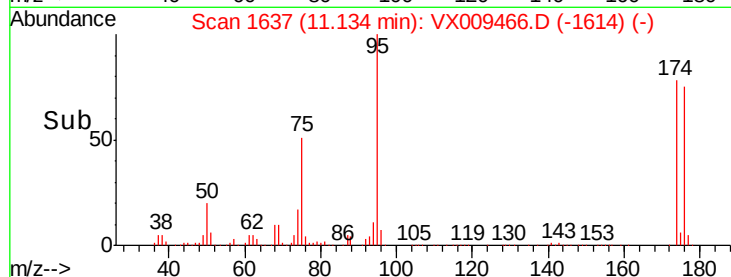
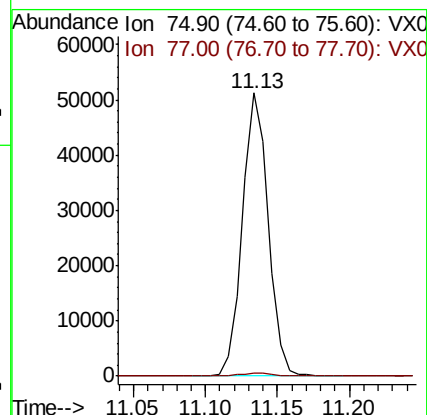
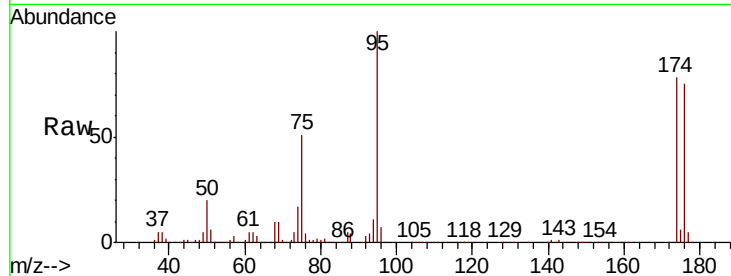
ClientSampled :

Tot Ion: 75 Resp: 63891

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.803 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009466.D

Acq: 10 May 2019 06:56

Tgt Ion: 75 Resp: 63891

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 34.7 52.1#

