

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009458.D
 Acq On : 10 May 2019 03:50
 Operator : JC/SP
 Sample : K2782-12DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:13:10 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	187393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107636	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	123409	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.50	113	90665	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	373597	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	119815	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

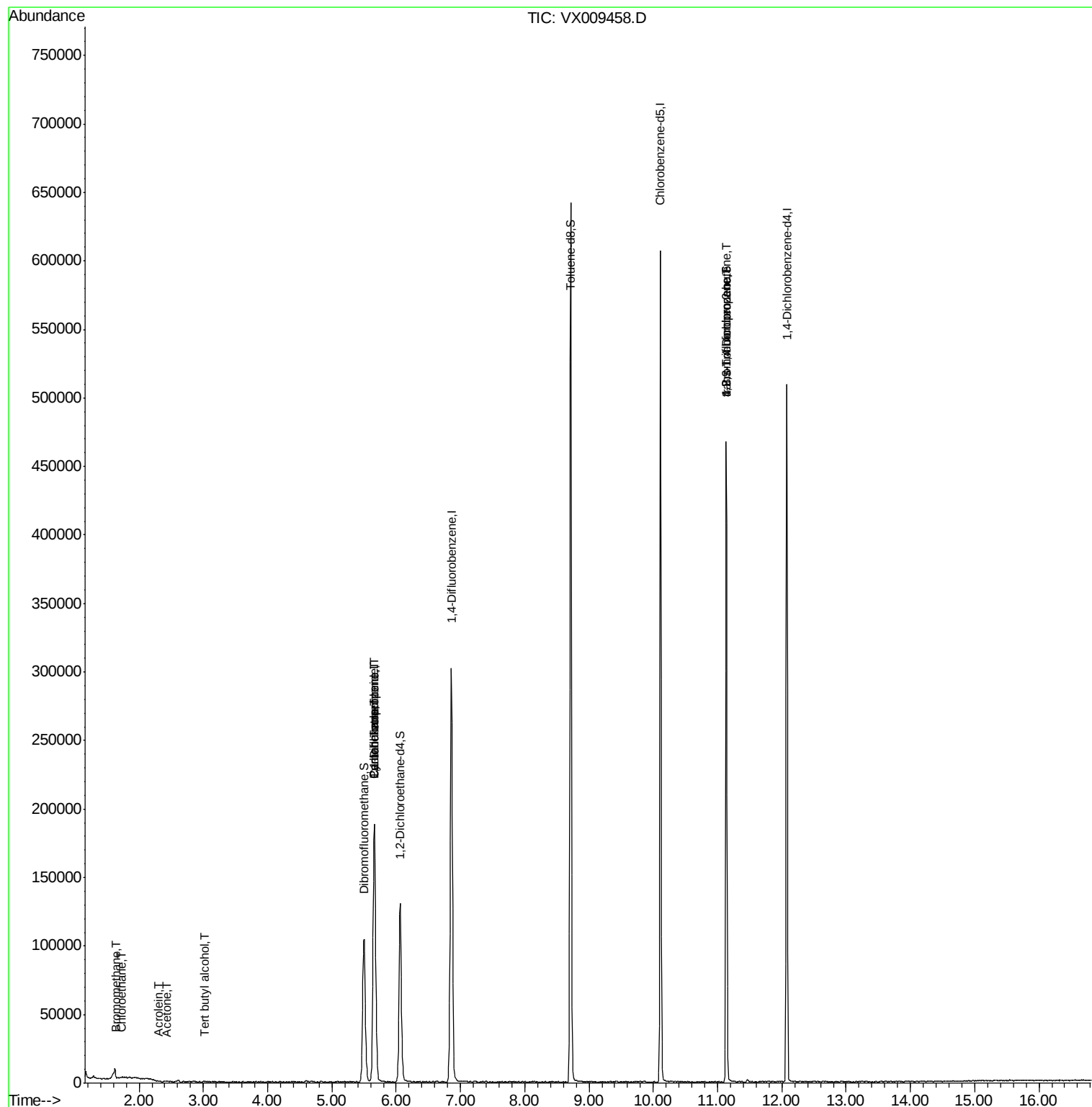
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	322	0.233	ug/l #	57
6) Chloroethane	1.73	64	1977	1.339	ug/l #	67
11) Tert butyl alcohol	3.01	59	151	0.255	ug/l #	73
13) Acrolein	2.30	56	136	0.254	ug/l	86
16) Acetone	2.44	43	664	0.483	ug/l #	73
28) Bromochloromethane	5.00	49	45	Below Cal	#	20
31) Cyclohexane	5.66	56	3968	1.049	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14338	5.154	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17660	6.987	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61283	24.545	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61283	62.802	ug/l #	10

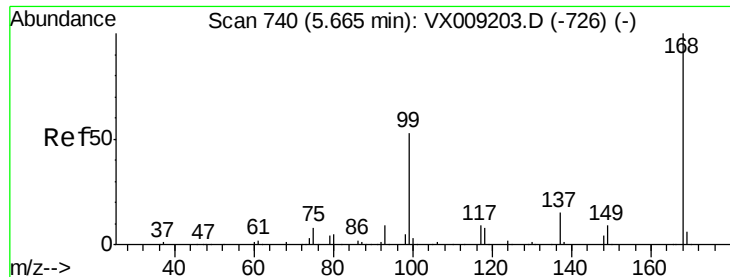
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

Instrument :

MSVOA_X

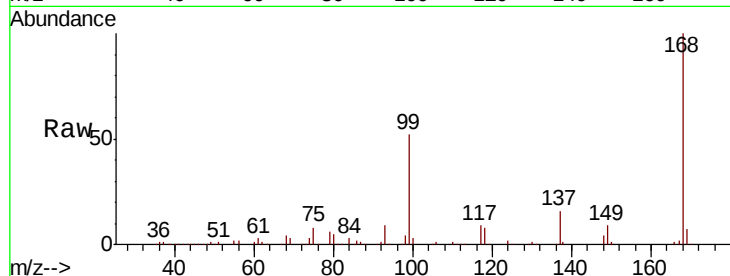
ClientSampleId :

Tot Ion:168 Resp: 187393

Ion Ratio Lower Upper

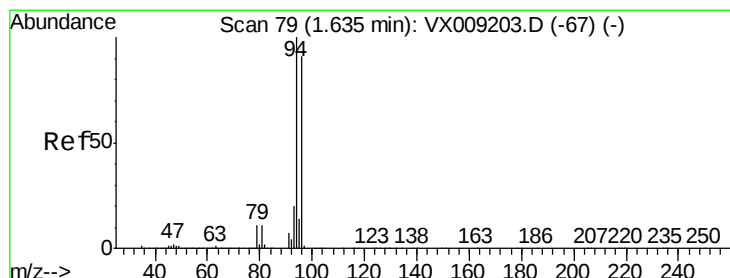
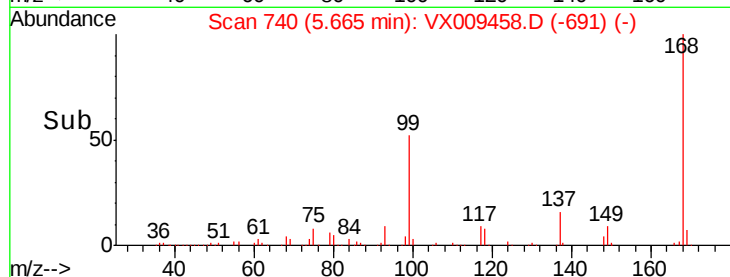
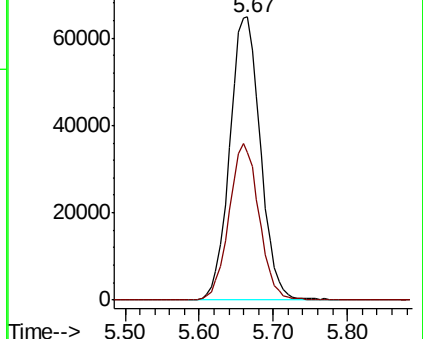
168 100

99 52.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009458.D

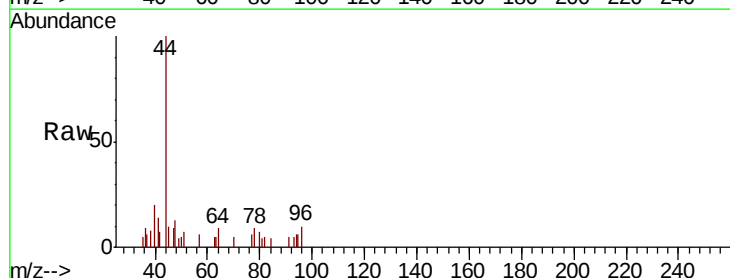
Acq: 10 May 2019 03:50

Tgt Ion: 94 Resp: 322

Ion Ratio Lower Upper

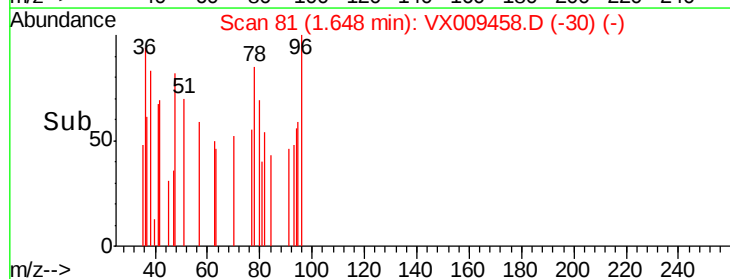
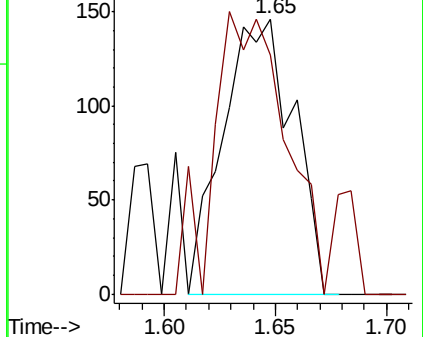
94 100

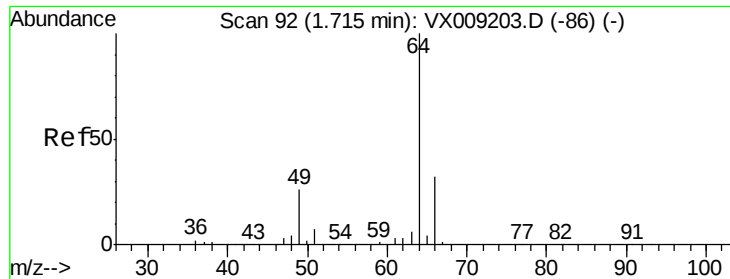
96 50.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.339 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

Instrument :

MSVOA_X

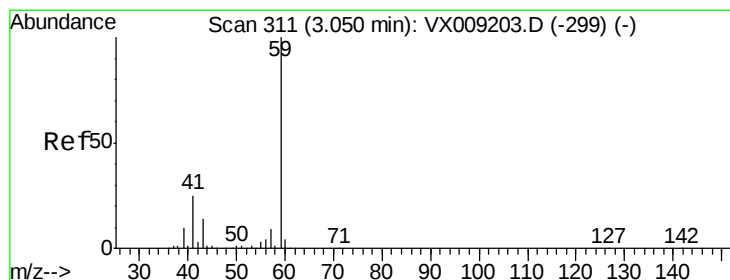
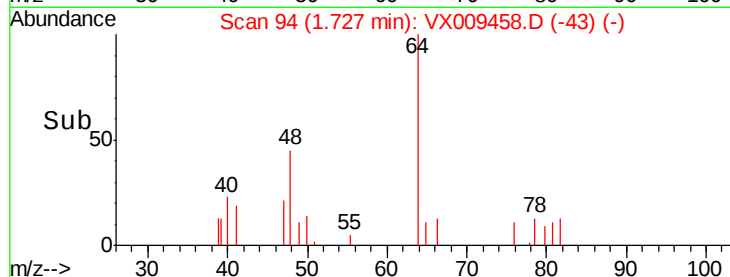
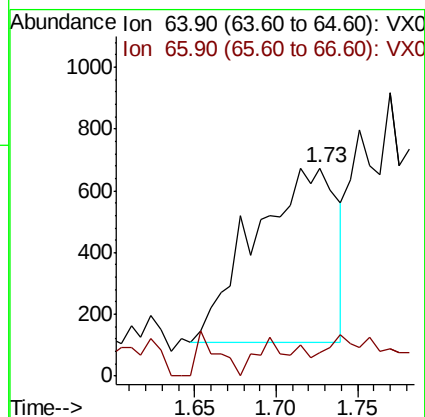
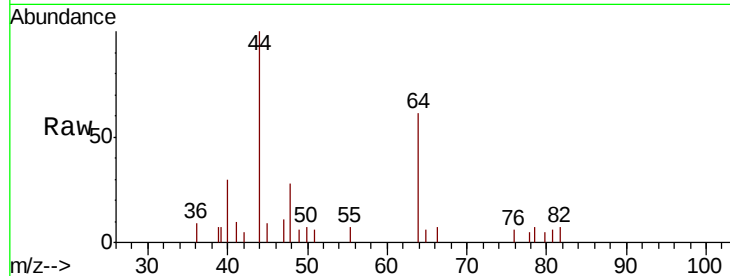
ClientSampled :

Tot Ion: 64 Resp: 1977

Ion Ratio Lower Upper

64 100

66 13.3 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.255 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.04 min

Lab File: VX009458.D

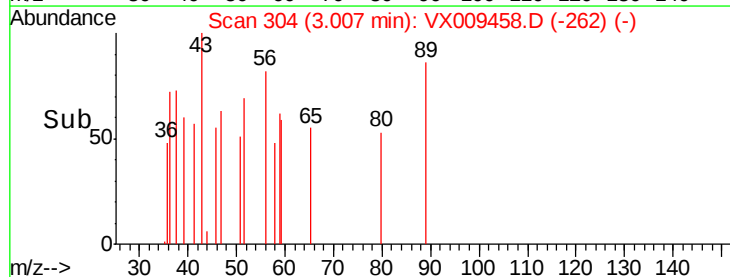
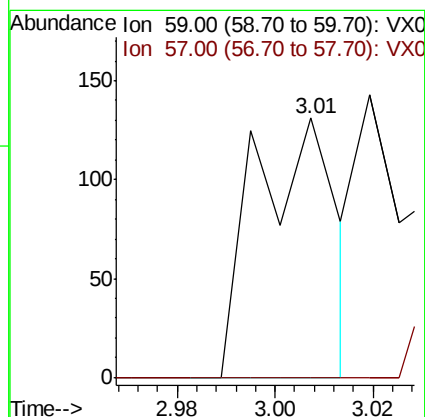
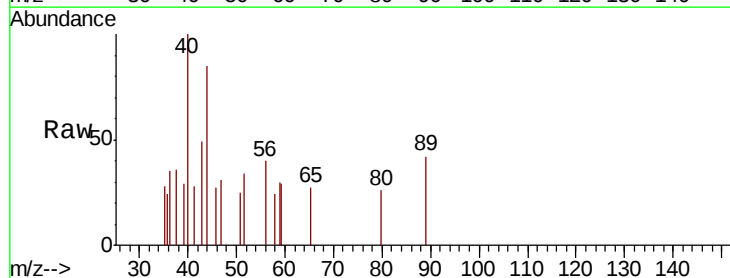
Acq: 10 May 2019 03:50

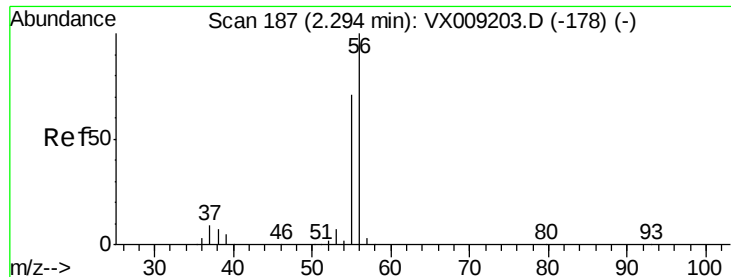
Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.254 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

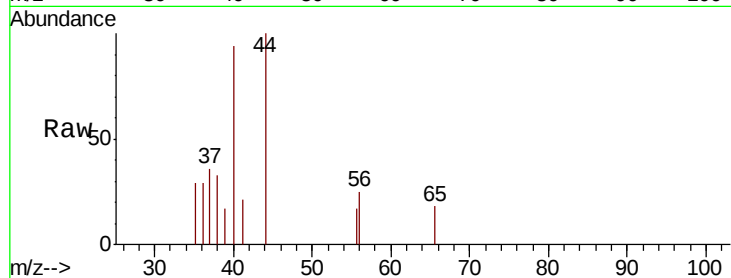
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 136

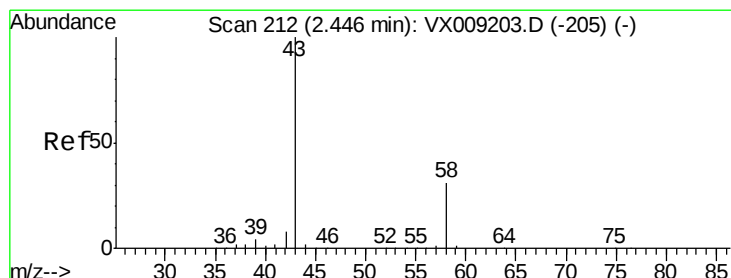
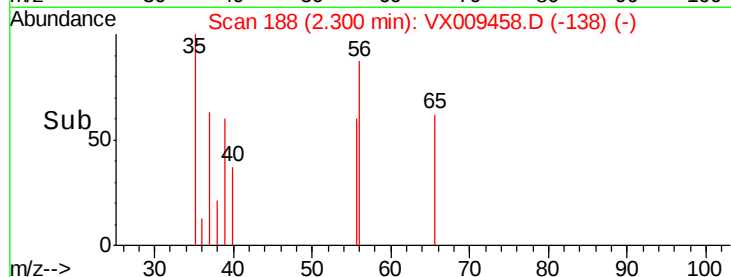
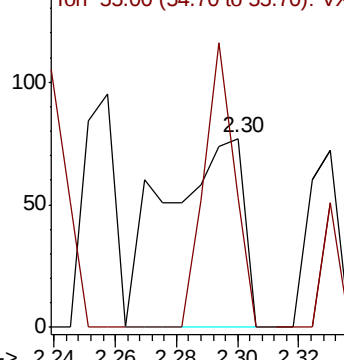
Ion Ratio Lower Upper

56 100

55 59.6 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: 0.483 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009458.D

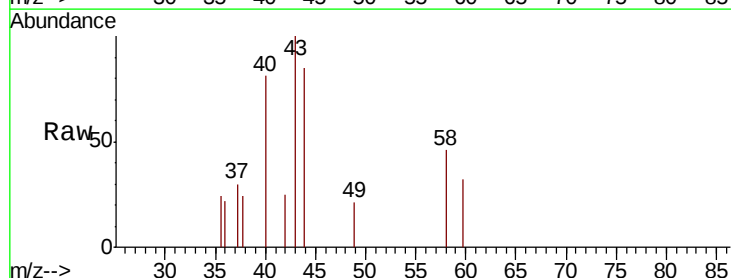
Acq: 10 May 2019 03:50

Tgt Ion: 43 Resp: 664

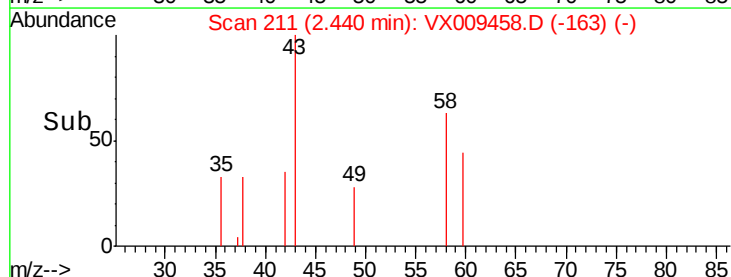
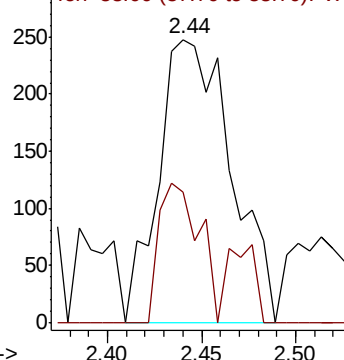
Ion Ratio Lower Upper

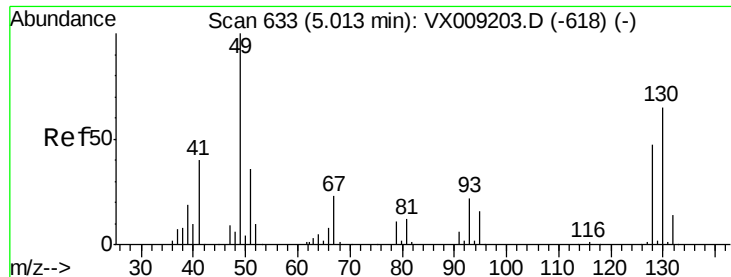
43 100

58 46.0 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: VX009458.D

Acq: 10 May 2019 03:50

Instrument :

MSVOA_X

ClientSampled :

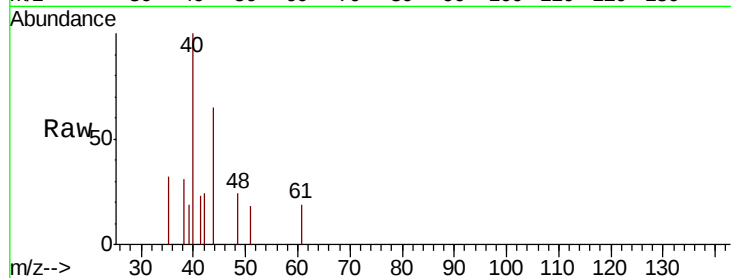
Tot Ion: 49 Resp: 45

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

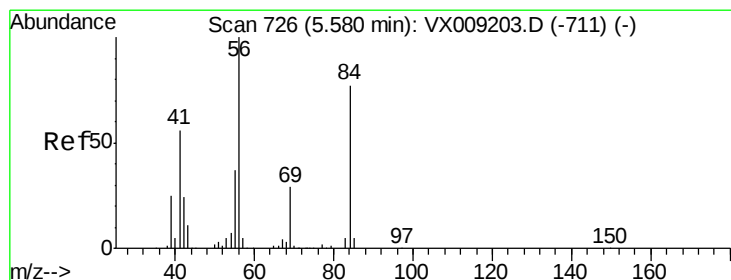
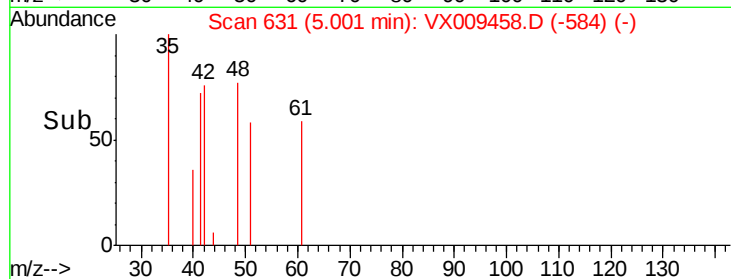
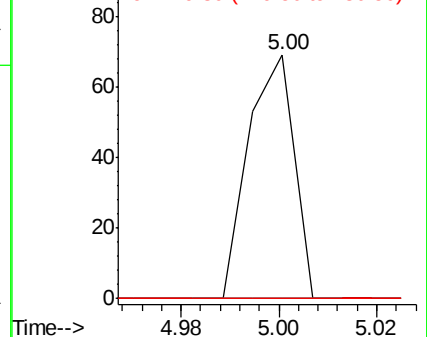
130 0.0 51.2 76.8#



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: 1.049 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

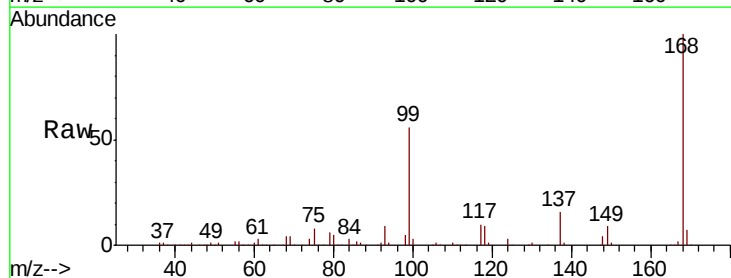
Tgt Ion: 56 Resp: 3968

Ion Ratio Lower Upper

56 100

69 169.4 23.4 35.0#

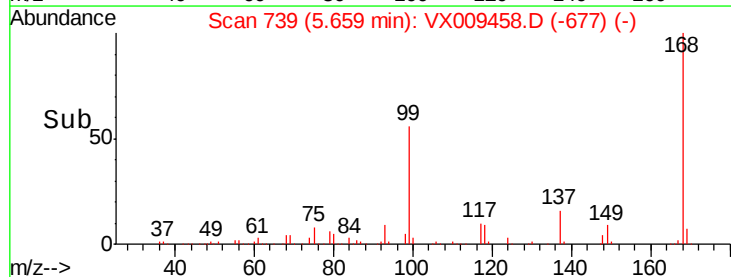
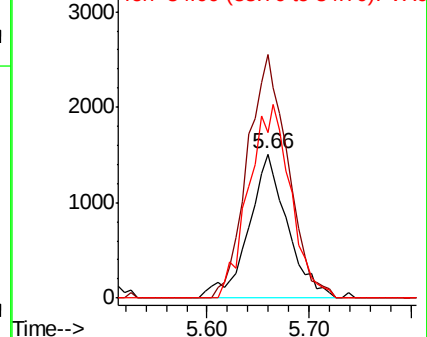
84 115.3 61.9 92.9#



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

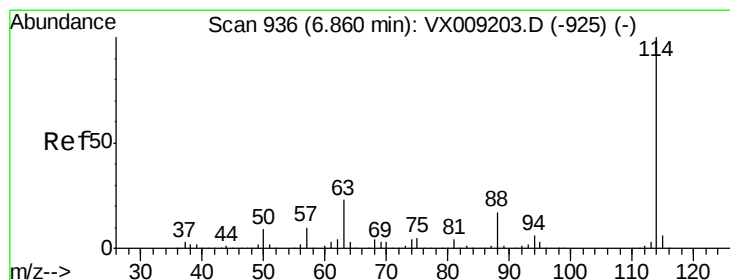
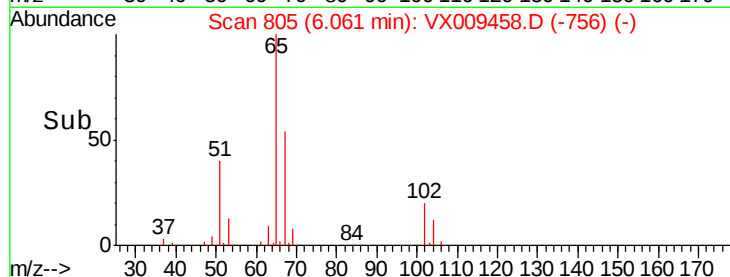
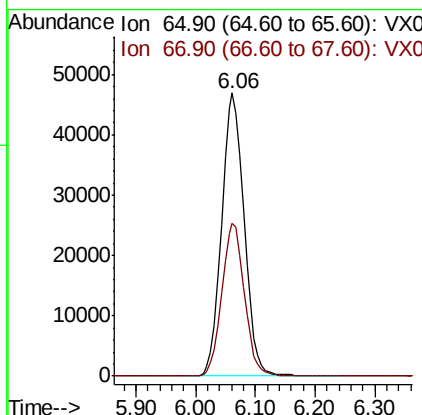
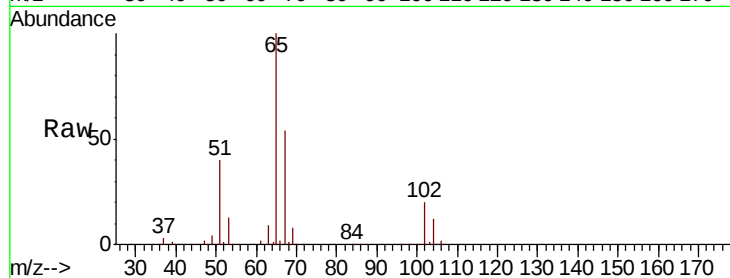




#33
 1,2-Dichloroethane-d4
 Concen: 48.242 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009458.D
 Acq: 10 May 2019 03:50

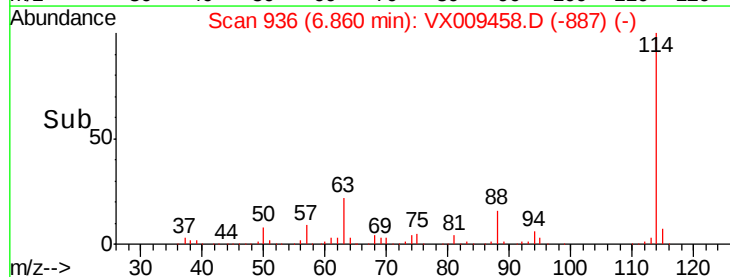
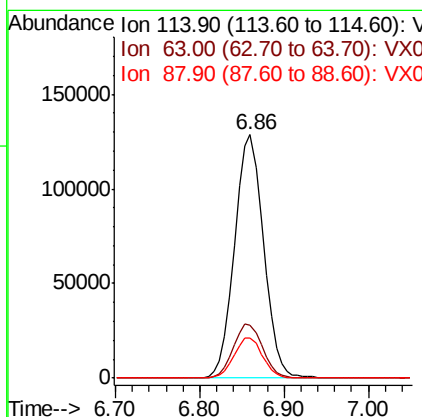
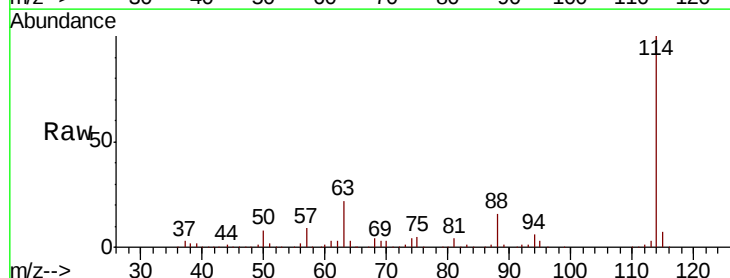
Instrument :
 MSVOA_X
 ClientSampleId :

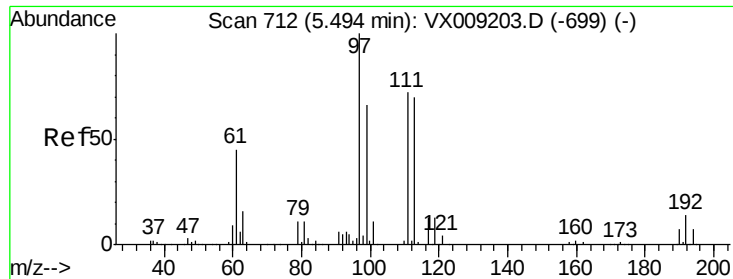
Tot Ion: 65 Resp: 123409
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009458.D
 Acq: 10 May 2019 03:50

Tgt Ion: 114 Resp: 299332
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.6
 88 16.4 0.0 33.2

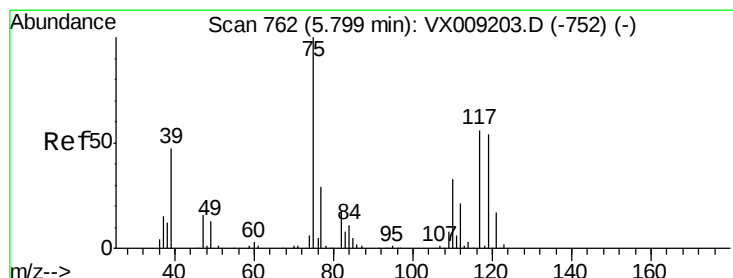
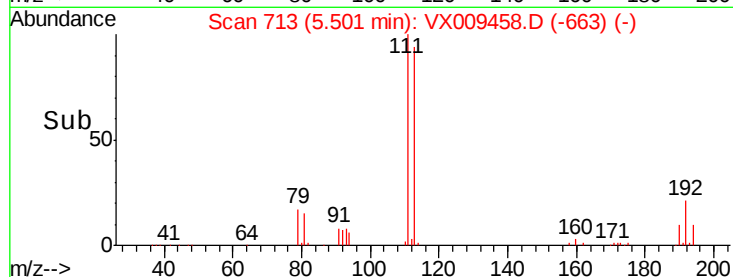
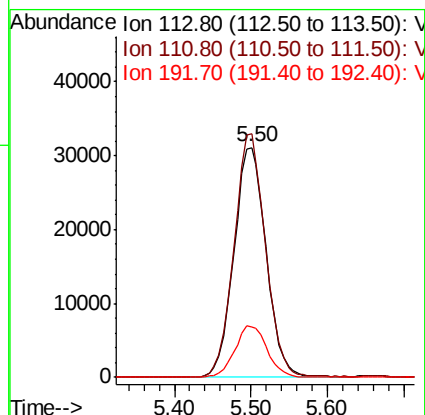
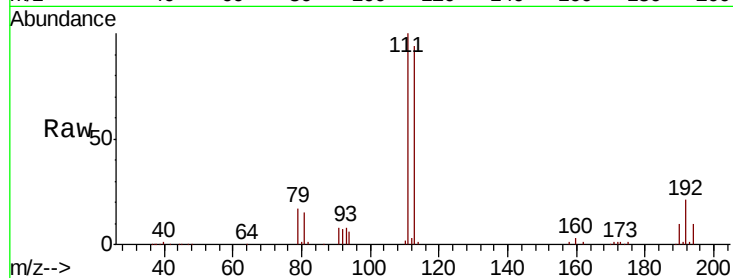




#35
 Dibromofluoromethane
 Concen: 48.182 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009458.D
 Acq: 10 May 2019 03:50

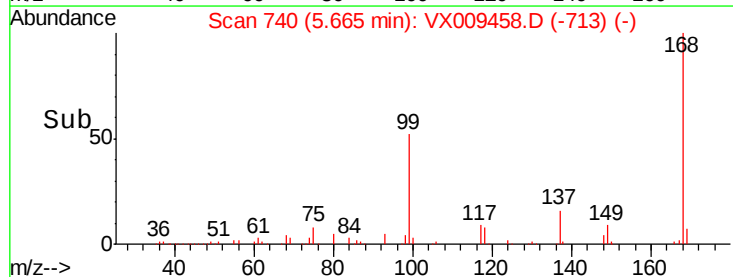
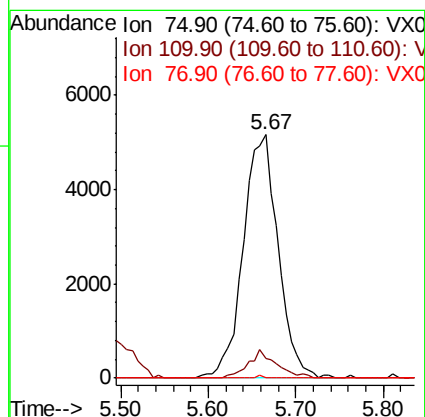
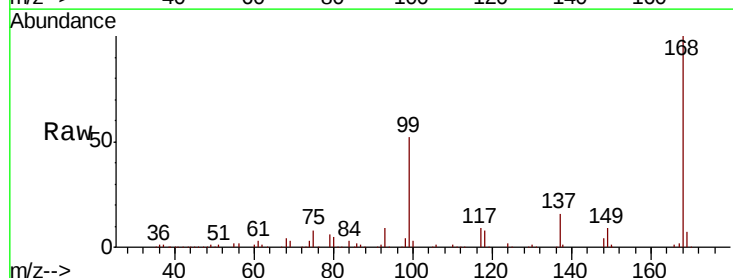
Instrument :
 MSVOA_X
 ClientSampled :

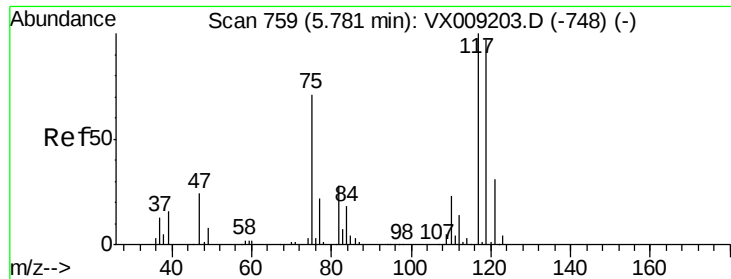
Tot Ion:113 Resp: 90665
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 22.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.154 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009458.D
 Acq: 10 May 2019 03:50

Tgt Ion: 75 Resp: 14338
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.1 24.8 37.2#

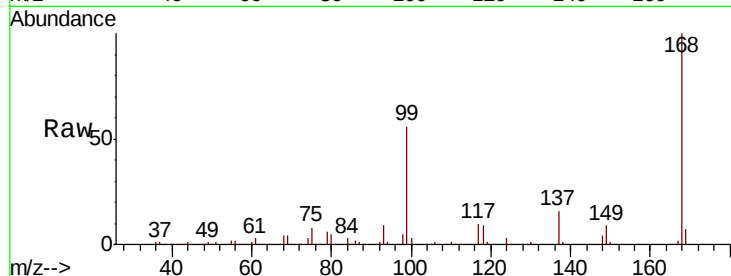




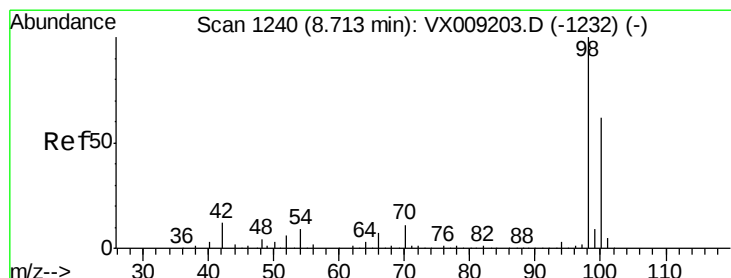
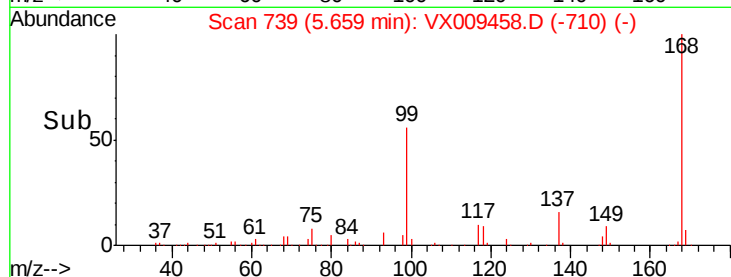
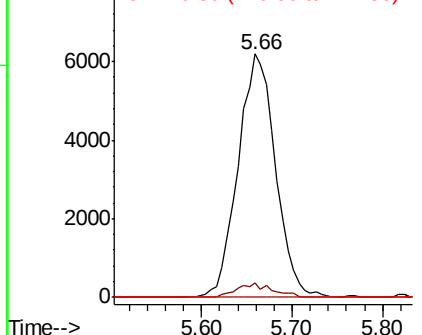
#38
Carbon Tetrachloride
Concen: 6.987 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009458.D
Acq: 10 May 2019 03:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17660
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

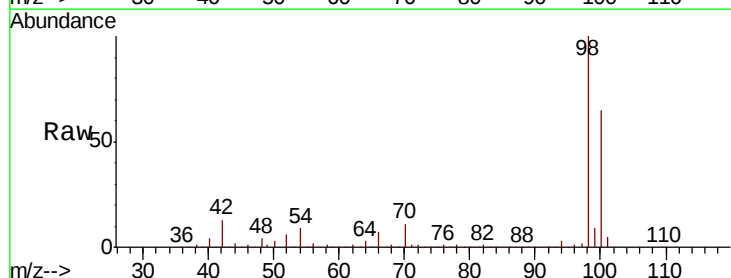


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

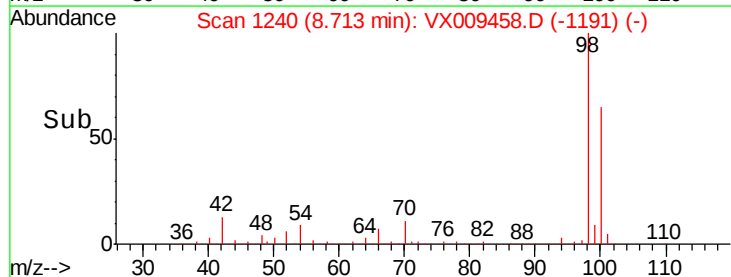
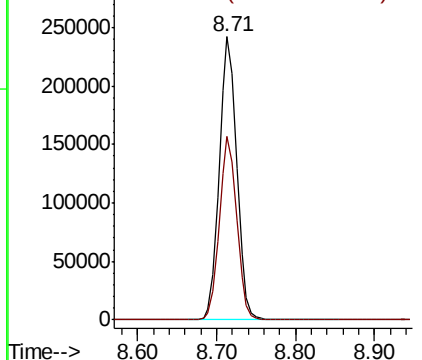


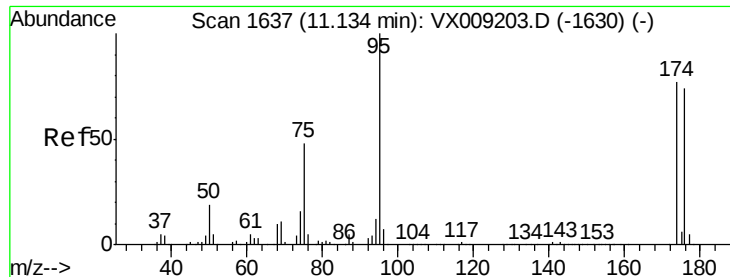
#50
Toluene-d8
Concen: 49.177 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009458.D
Acq: 10 May 2019 03:50

Tgt Ion: 98 Resp: 373597
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

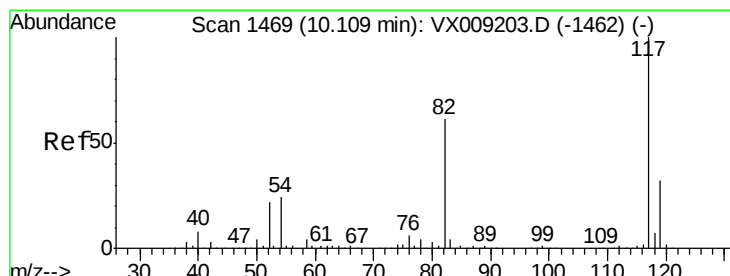
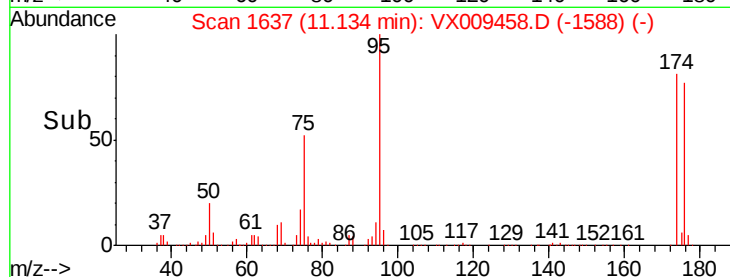
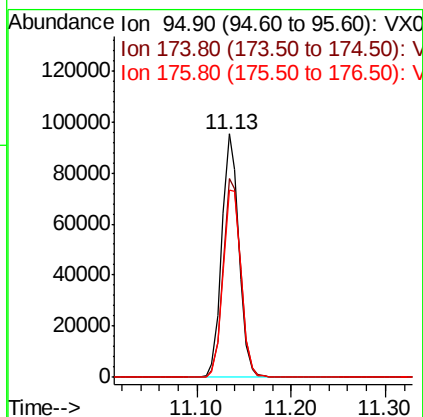
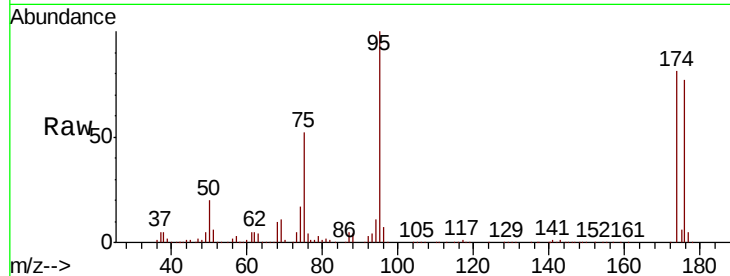




#62
4-Bromofluorobenzene
Concen: 43.404 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009458.D
Acq: 10 May 2019 03:50

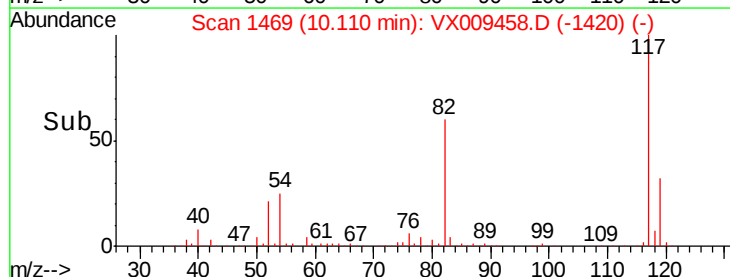
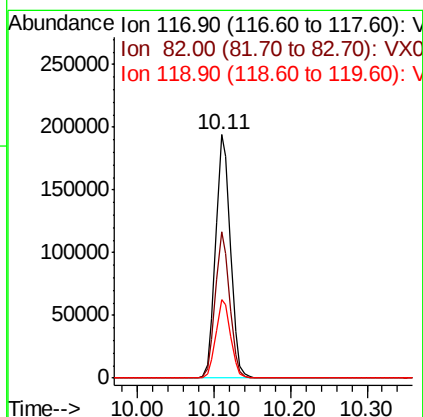
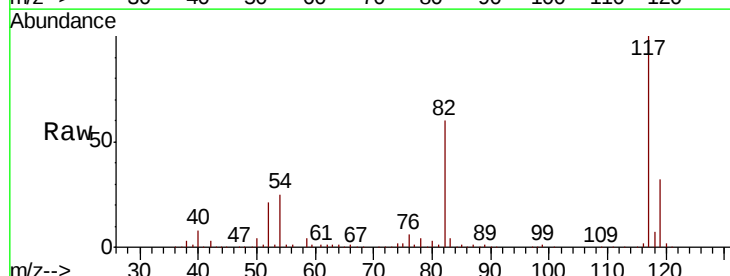
Instrument :
MSVOA_X
ClientSampleId :

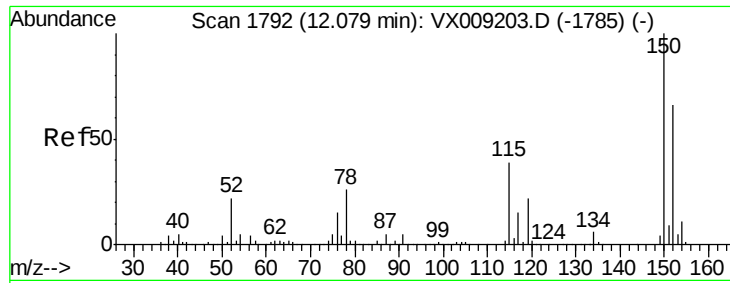
Tot Ion: 95 Resp: 119815
Ion Ratio Lower Upper
95 100
174 83.7 0.0 161.6
176 81.1 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009458.D
Acq: 10 May 2019 03:50

Tgt Ion: 117 Resp: 260197
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

Instrument :

MSVOA_X

ClientSampleId :

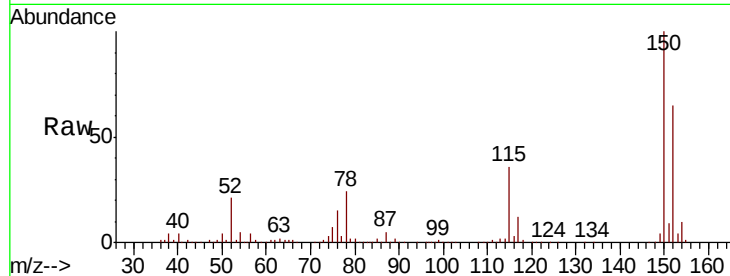
Tot Ion:152 Resp: 107636

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

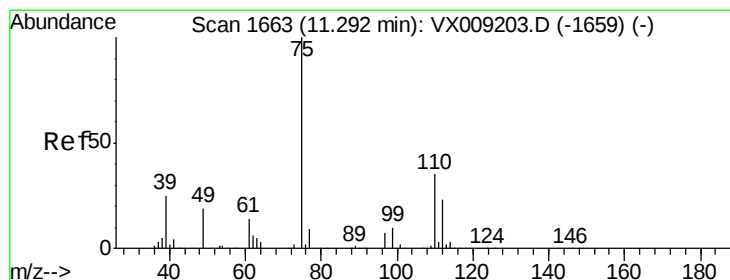
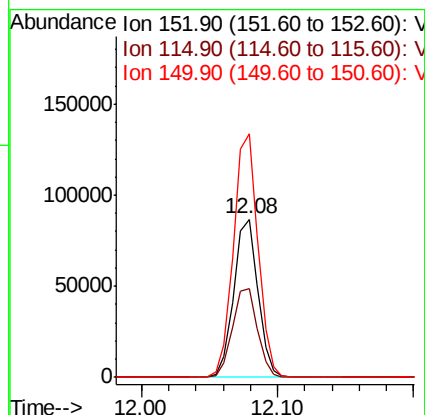
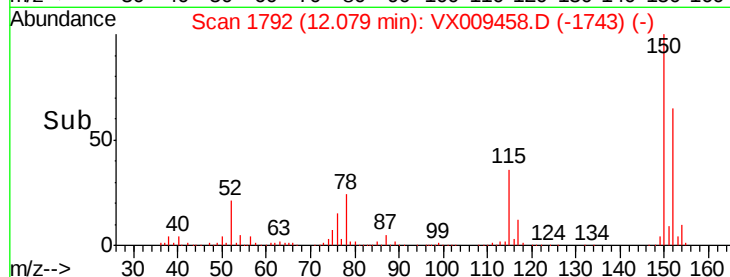
150 155.9 0.0 346.4



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: VX009458.D

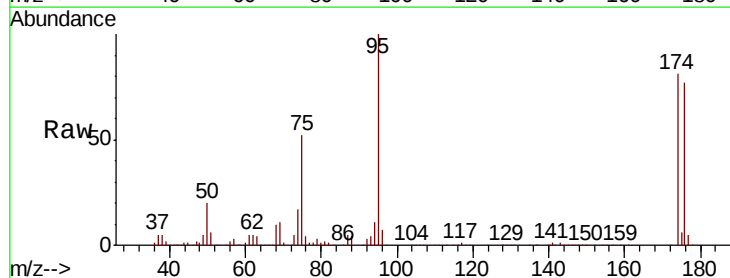
Acq: 10 May 2019 03:50

Tgt Ion: 75 Resp: 61283

Ion Ratio Lower Upper

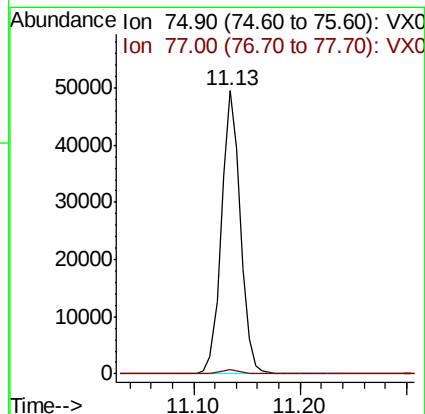
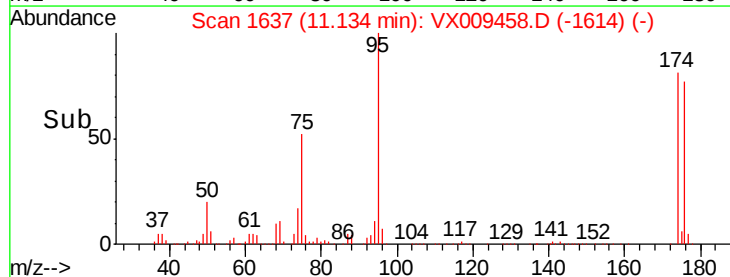
75 100

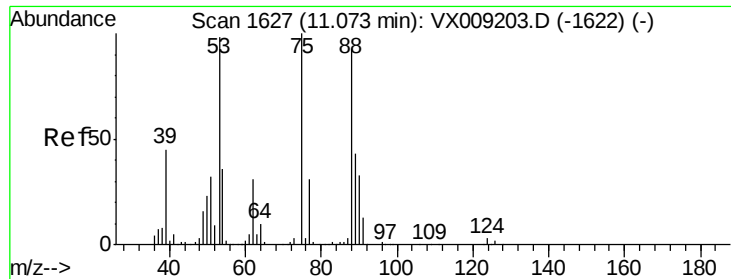
77 1.4 22.1 66.1#



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: 62.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009458.D

Acq: 10 May 2019 03:50

Instrument :

MSVOA_X

ClientSampleId :

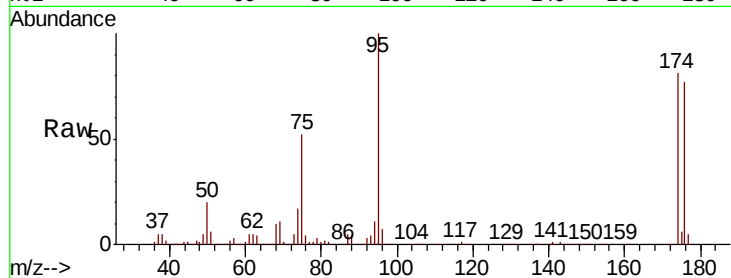
Tot Ion: 75 Resp: 61283

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 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

