

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010461.D
 Acq On : 26 Jun 2019 14:36
 Operator : JC/SP
 Sample : K3527-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157813	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	119876	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.50	113	118096	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	458866	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	149173	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

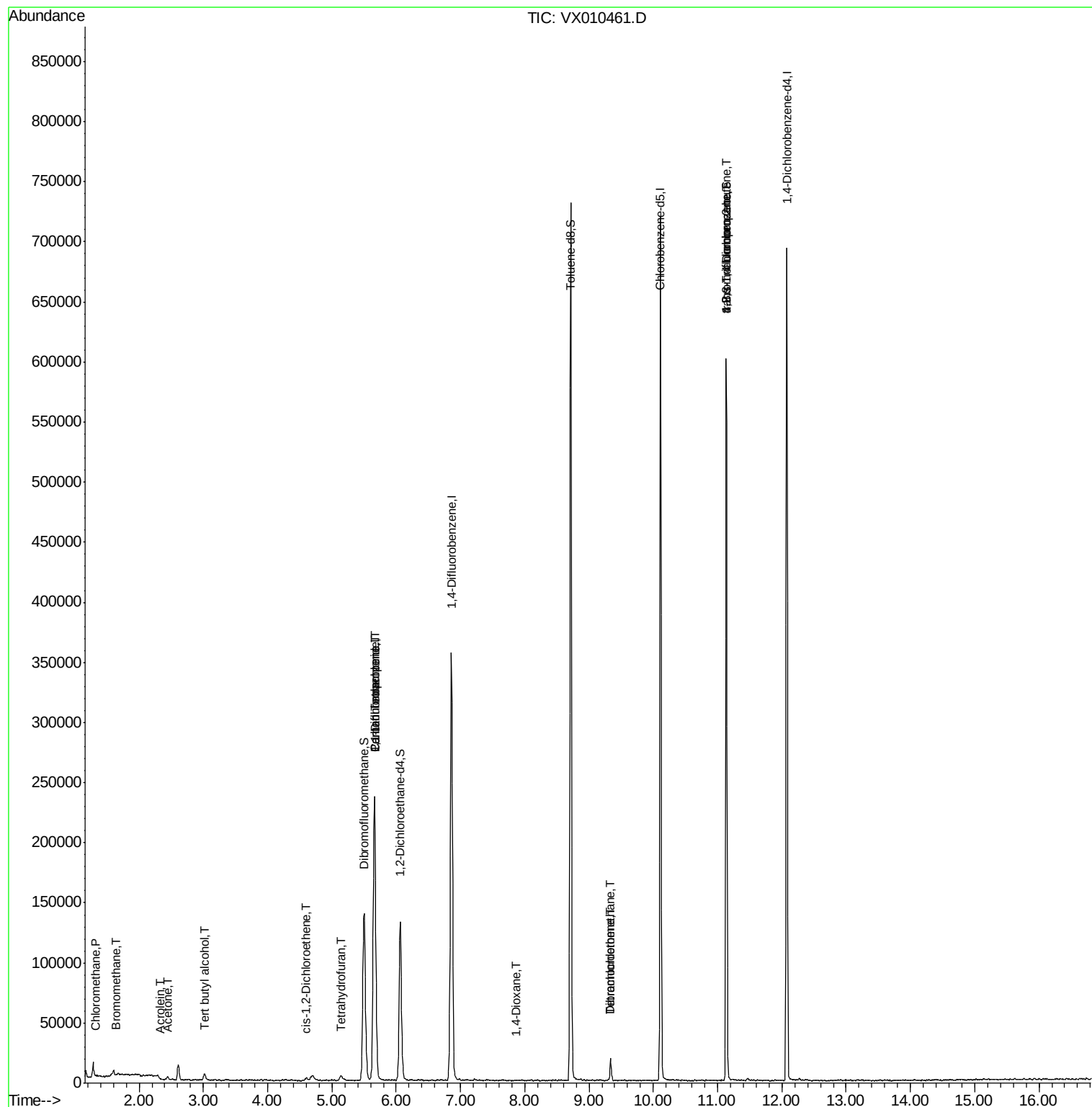
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	480	0.236	ug/l #	65
5) Bromomethane	1.65	94	369	0.341	ug/l	92
11) Tert butyl alcohol	3.02	59	3674	5.973	ug/l #	83
13) Acrolein	2.32	56	157	0.385	ug/l #	63
16) Acetone	2.45	43	2577	2.187	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	984	0.364	ug/l	83
29) Tetrahydrofuran	5.14	42	4620	4.316	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	14661	4.774	ug/l #	47
38) Carbon Tetrachloride	5.67	117	21500	6.465	ug/l #	14
49) 1,4-Dioxane	7.88	88	57	0.814	ug/l #	1
60) Dibromochloromethane	9.34	129	3463	1.190	ug/l #	11
64) Tetrachloroethene	9.34	164	3754	1.336	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	70998	24.688	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70998	57.595	ug/l #	16

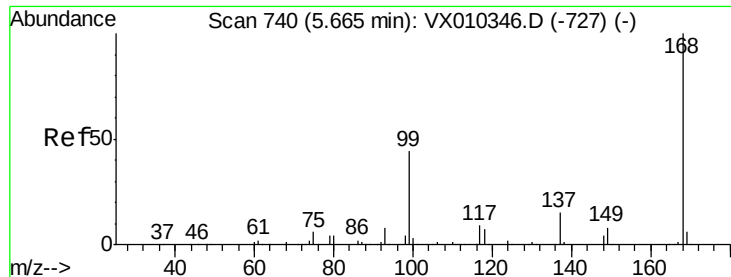
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

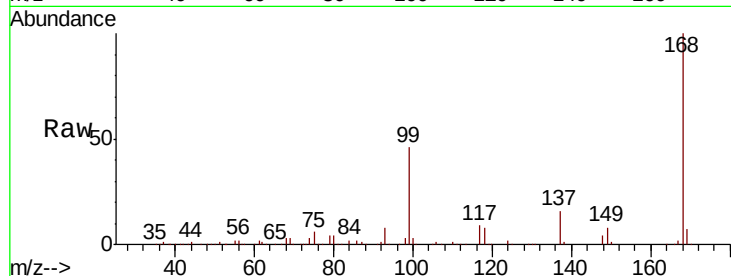
ClientSampleId :

Tot Ion:168 Resp: 250719

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

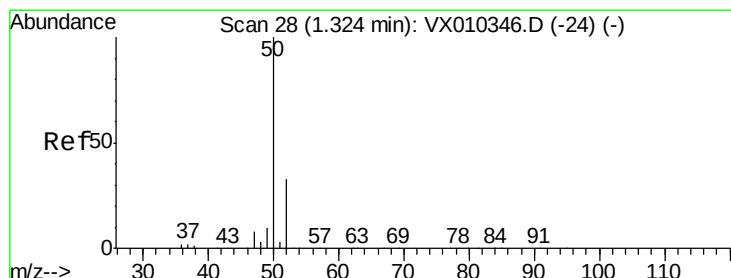
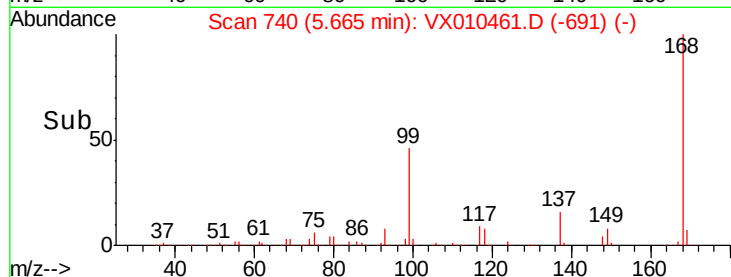
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010461.D

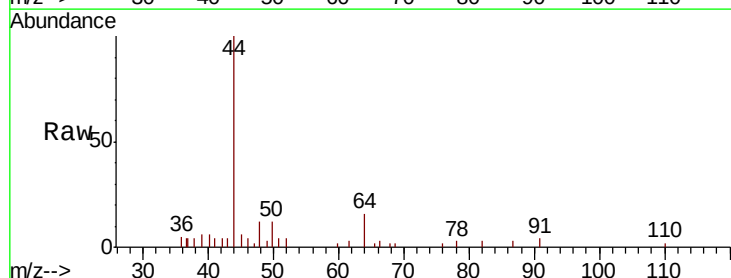
Acq: 26 Jun 2019 14:36

Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 13.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

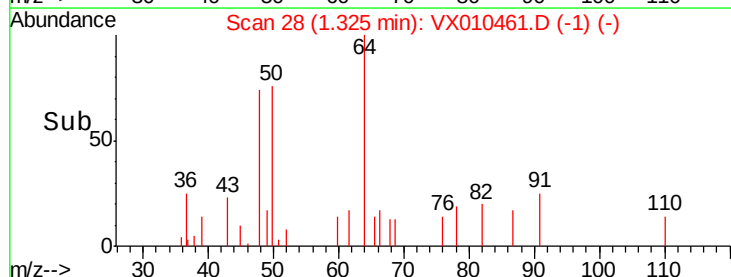
300

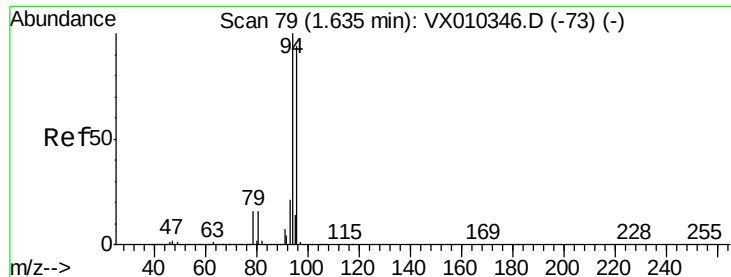
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.341 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

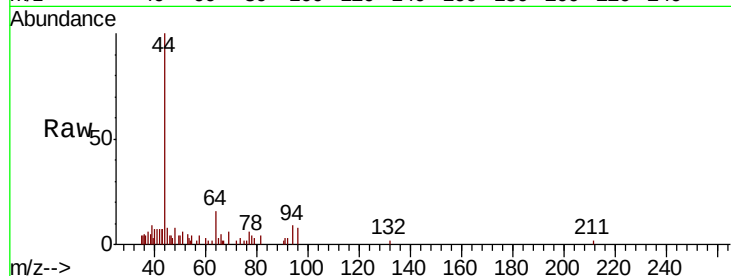
ClientSampleId :

Tot Ion: 94 Resp: 369

Ion Ratio Lower Upper

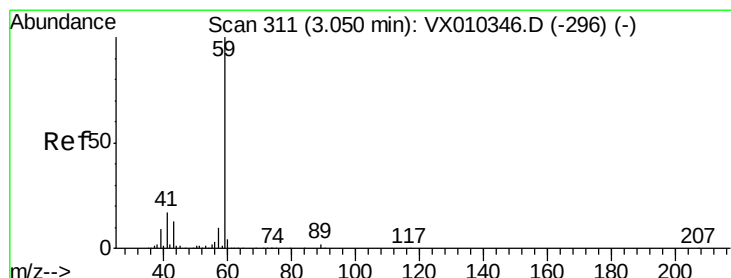
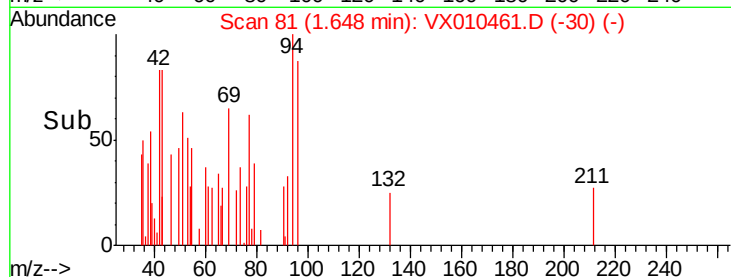
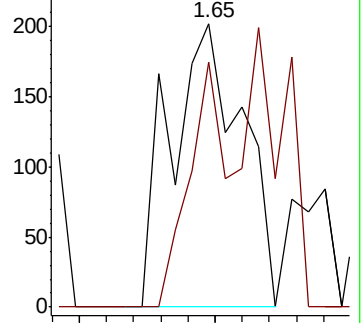
94 100

96 86.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 5.973 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010461.D

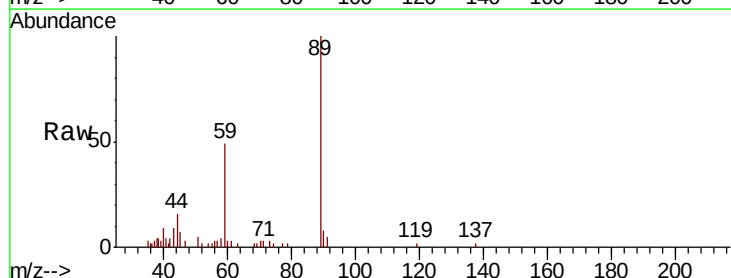
Acq: 26 Jun 2019 14:36

Tgt Ion: 59 Resp: 3674

Ion Ratio Lower Upper

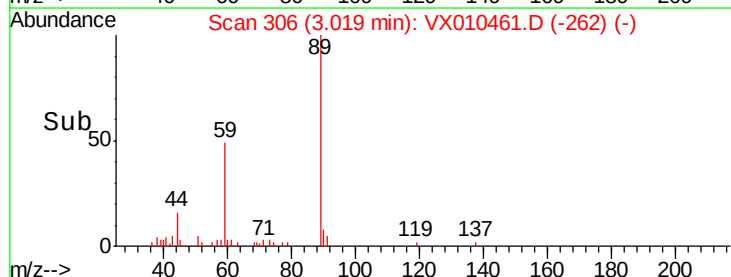
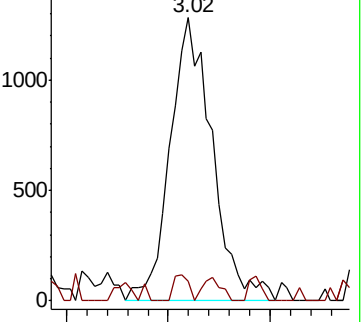
59 100

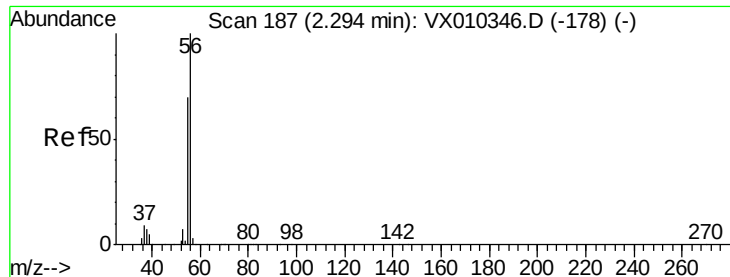
57 3.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.385 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

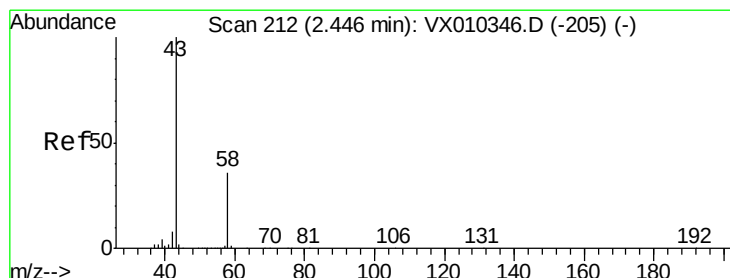
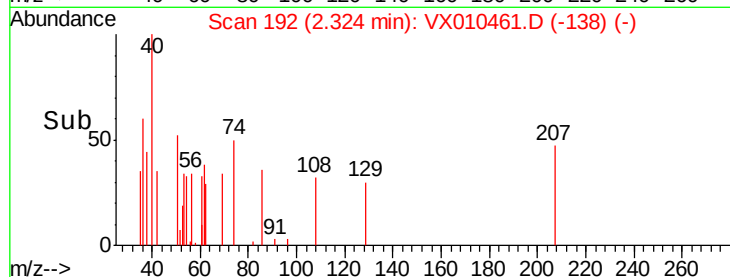
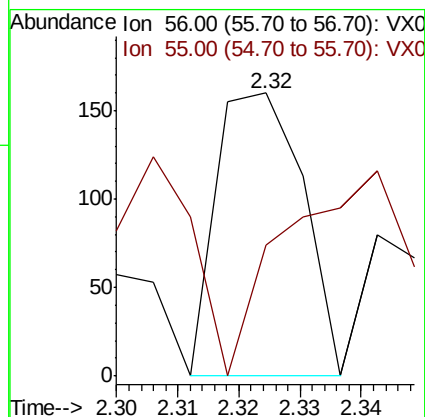
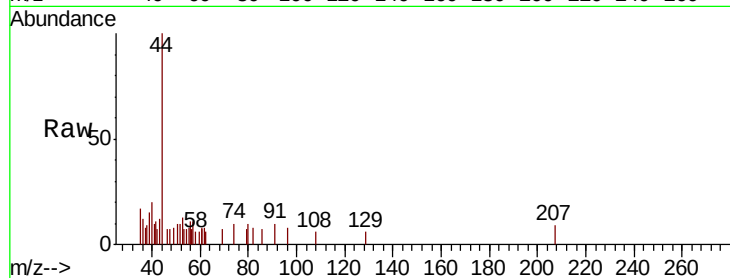
ClientSampleId :

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 101.9 56.9 85.3#



#16

Acetone

Concen: 2.187 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010461.D

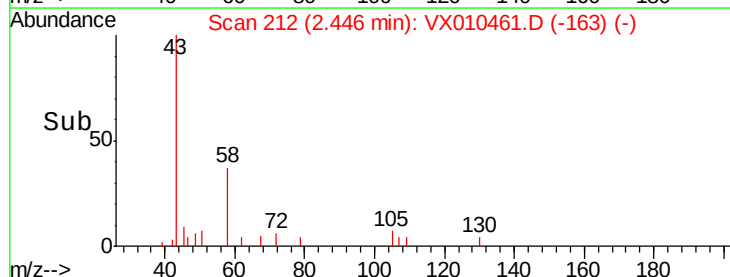
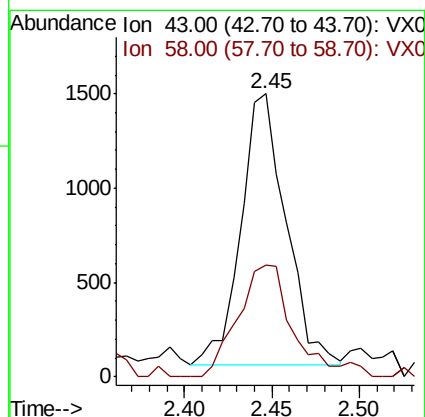
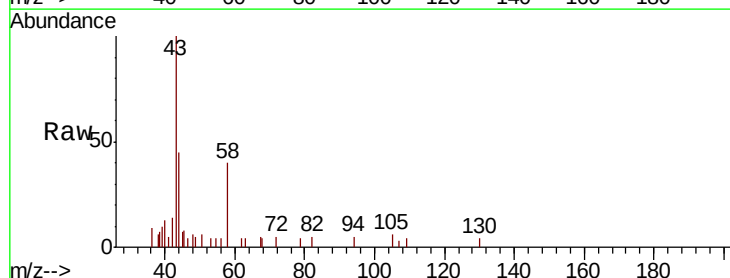
Acq: 26 Jun 2019 14:36

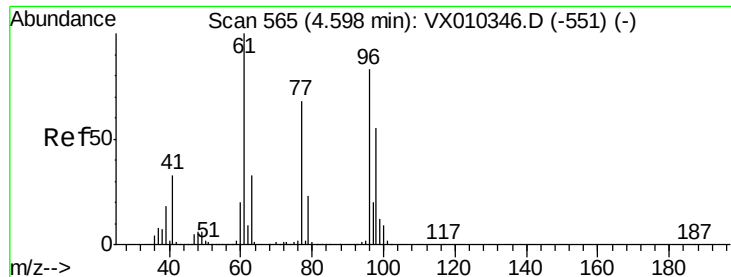
Tgt Ion: 43 Resp: 2577

Ion Ratio Lower Upper

43 100

58 41.3 28.9 43.3



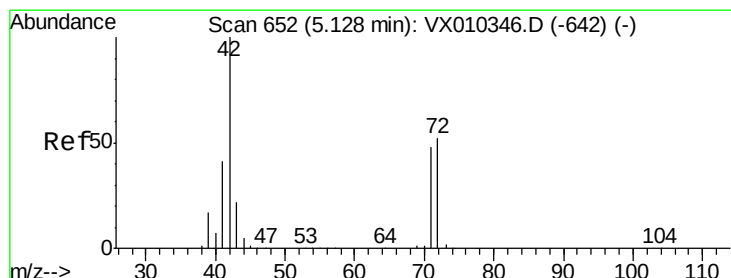
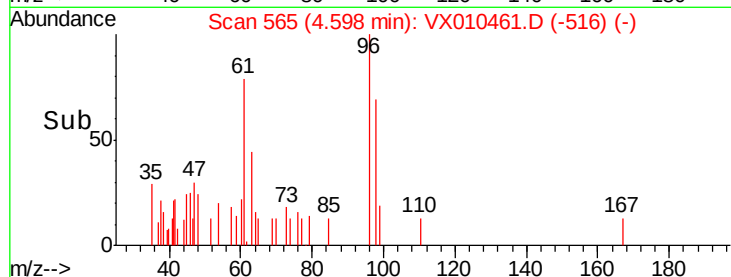
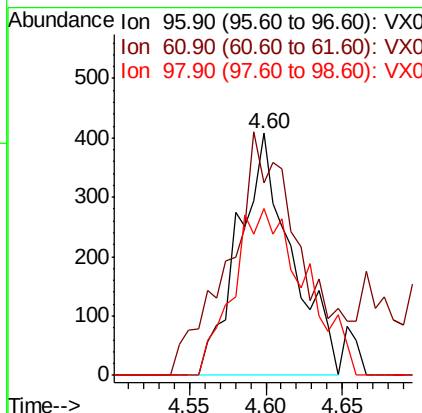
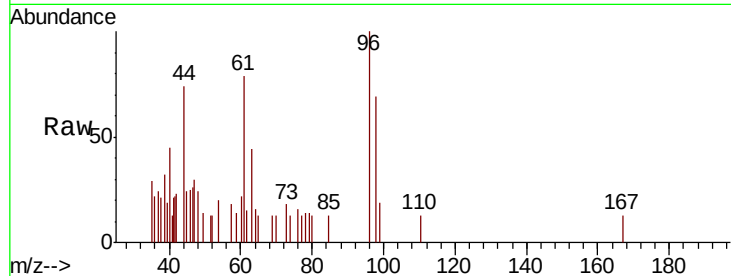


#27

cis-1,2-Dichloroethene
 Concen: 0.364 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

Instrument :
 MSVOA_X
 ClientSampled :

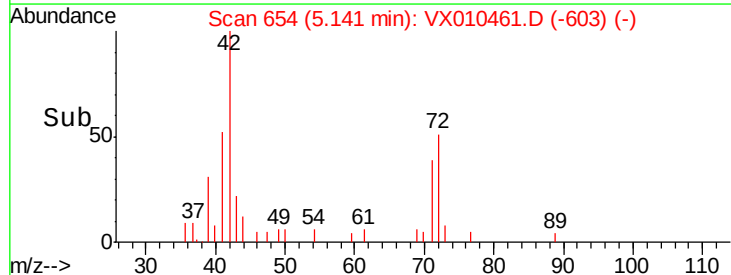
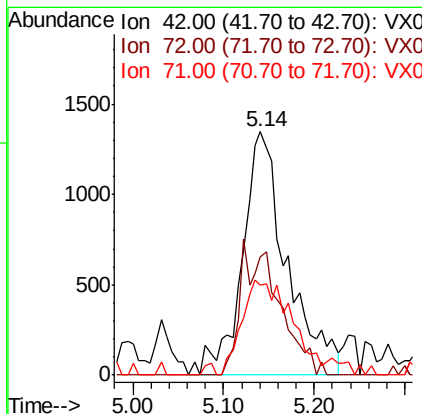
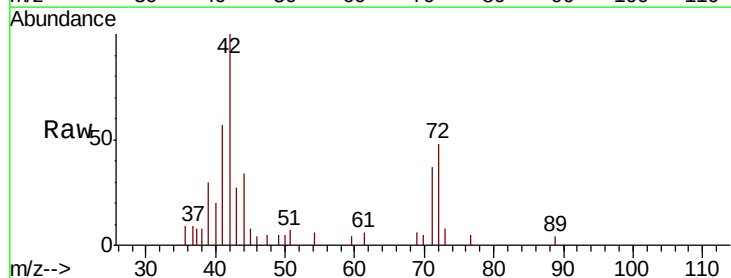
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	251.8
98	93.8	0.0	129.4

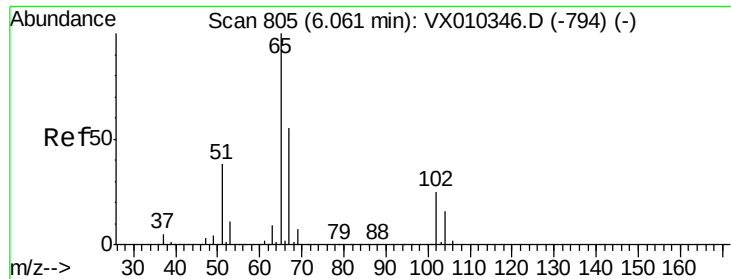


#29

Tetrahydrofuran
 Concen: 4.316 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
42	100		
72	14.1	40.6	60.8#
71	43.4	37.8	56.8

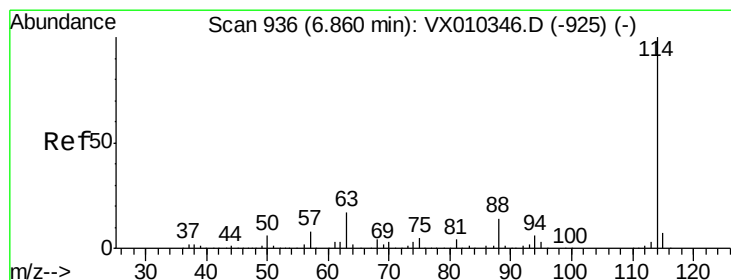
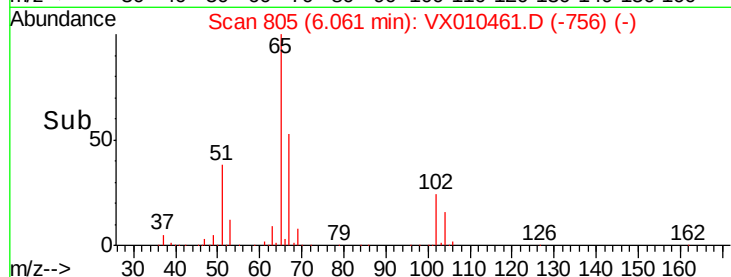
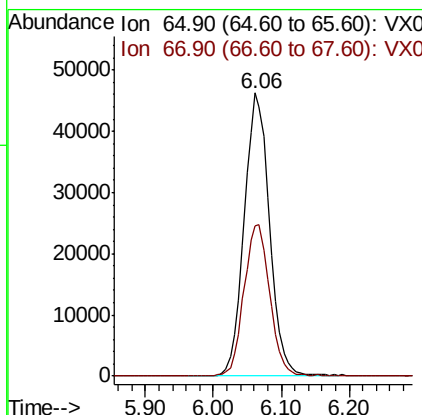
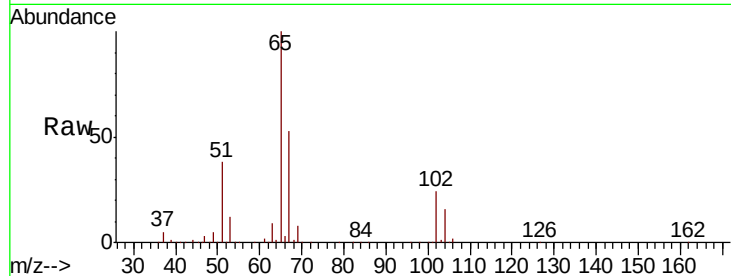




#33
 1,2-Dichloroethane-d4
 Concen: 50.995 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

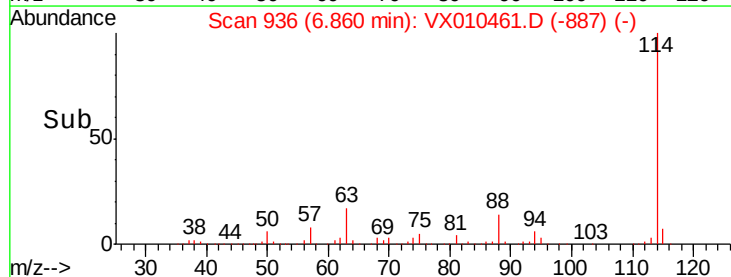
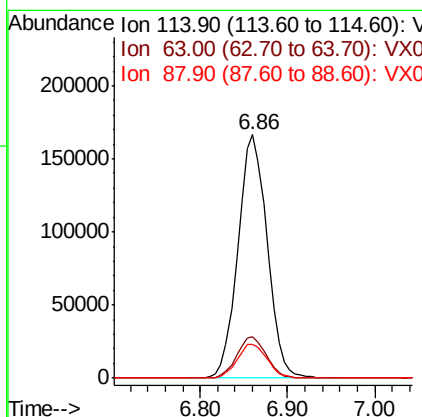
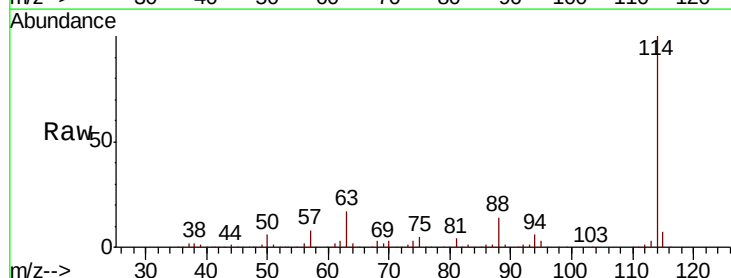
Instrument :
 MSVOA_X
 ClientSampleId :

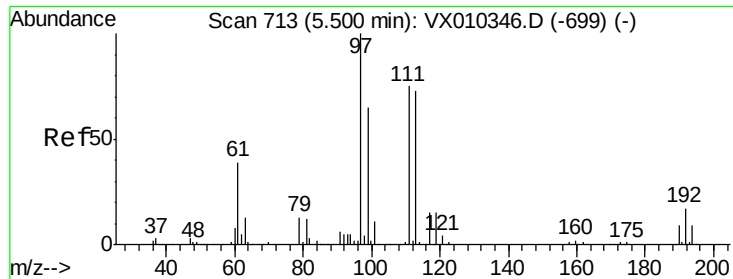
Tot Ion: 65 Resp: 119876
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

Tgt Ion: 114 Resp: 386469
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 13.7 0.0 27.6

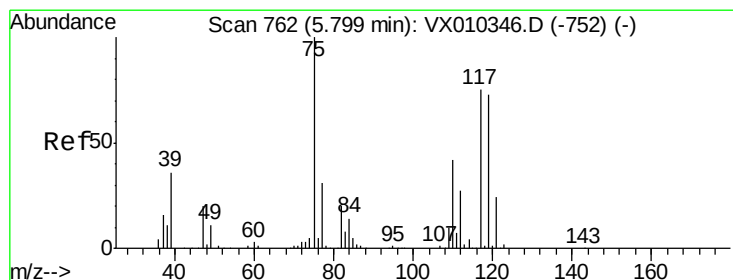
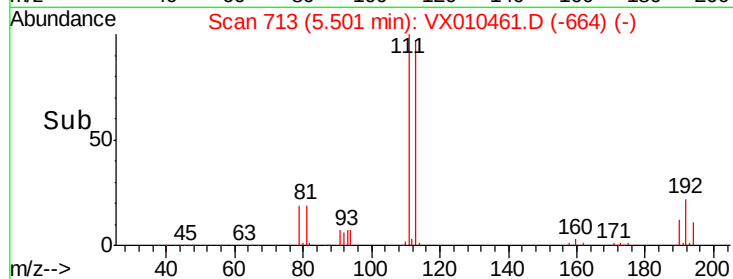
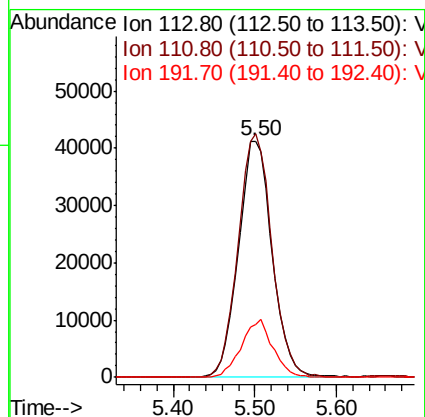
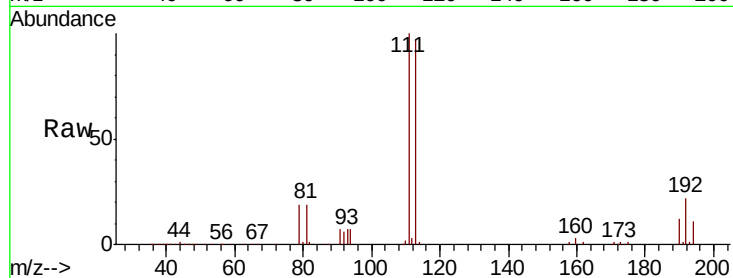




#35
 Dibromofluoromethane
 Concen: 49.944 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

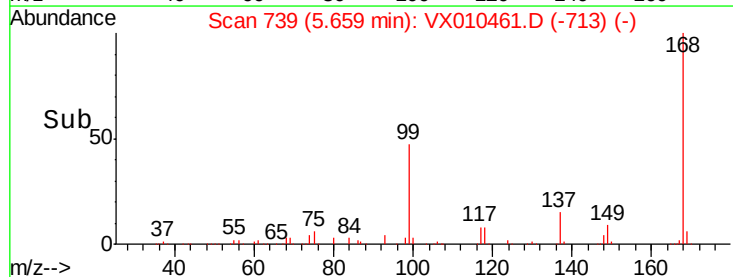
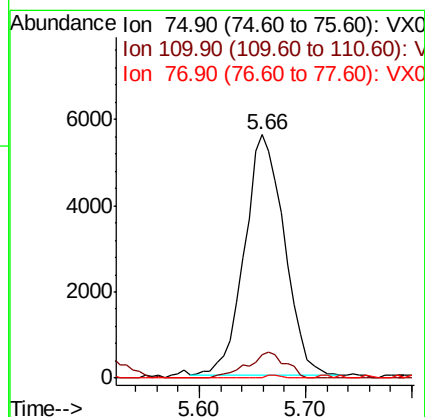
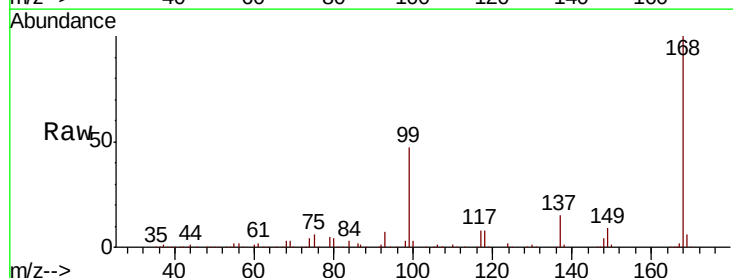
Instrument :
 MSVOA_X
 ClientSampled :

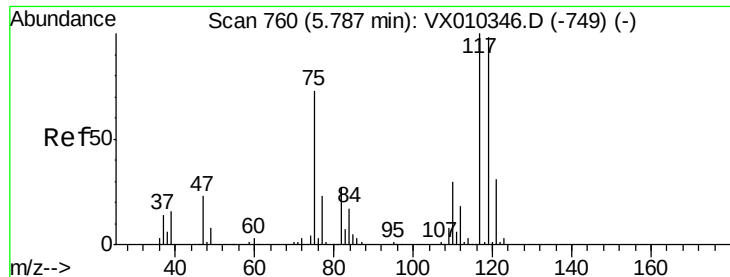
Tot Ion:113 Resp: 118096
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.2 121.8
 192 23.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010461.D
 Acq: 26 Jun 2019 14:36

Tgt Ion: 75 Resp: 14661
 Ion Ratio Lower Upper
 75 100
 110 10.2 20.8 62.2#
 77 0.5 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

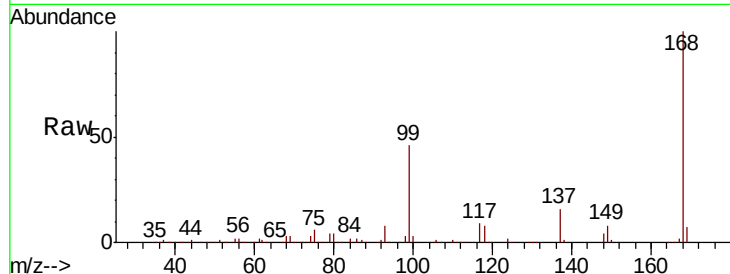
Tot Ion:117 Resp: 21500

Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.4#

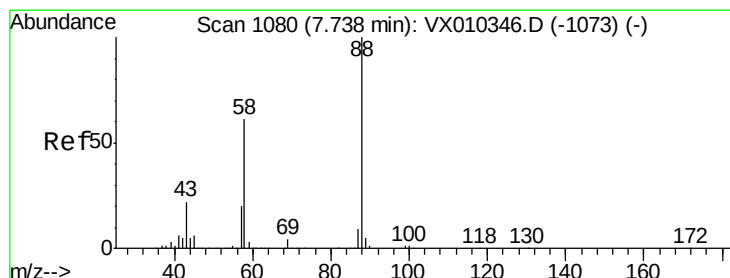
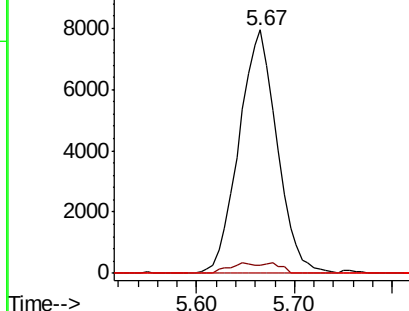
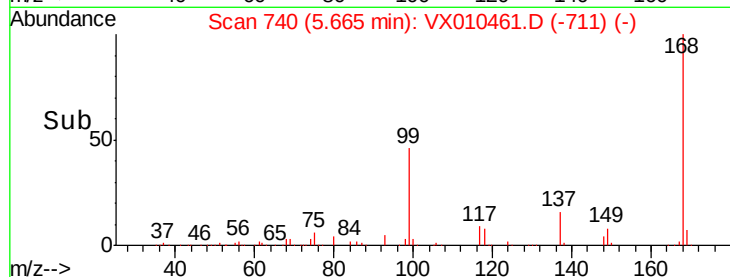
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.814 ug/l

RT: 7.88 min Scan# 1103

Delta R.T. 0.14 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

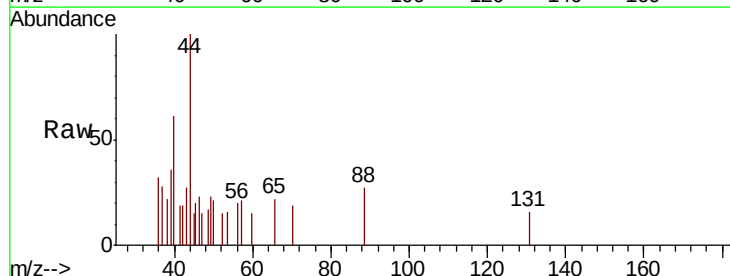
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 242.1 20.2 30.2#

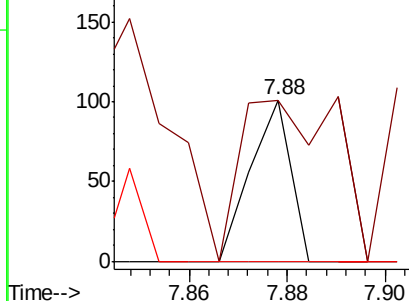
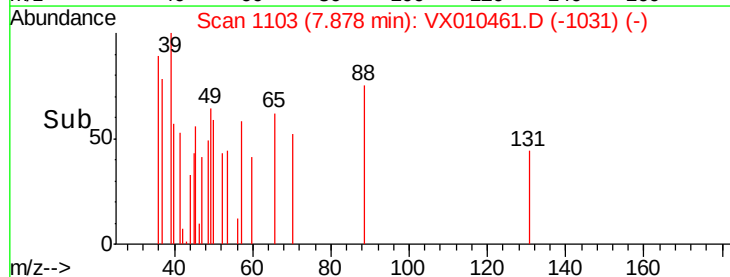
58 0.0 49.5 74.3#

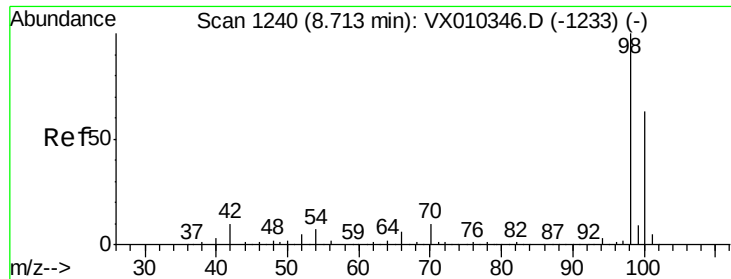


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

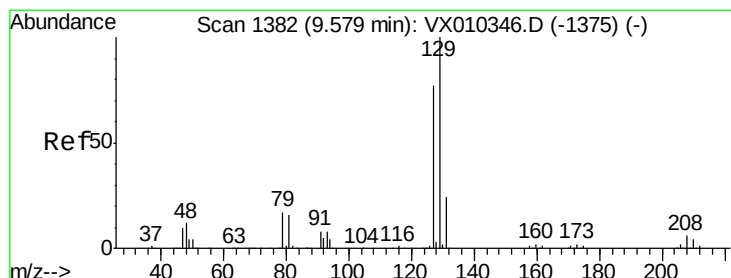
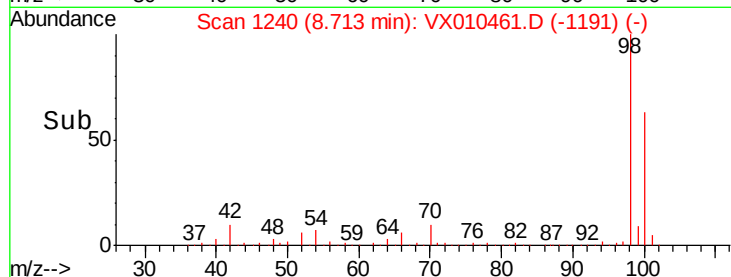
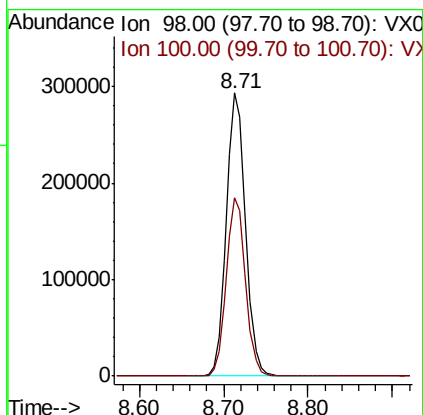
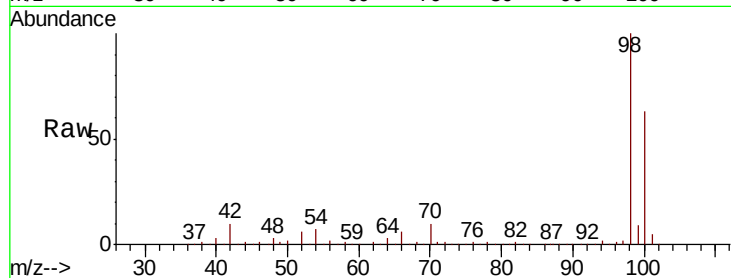




#50
Toluene-d8
Concen: 50.724 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010461.D
Acq: 26 Jun 2019 14:36

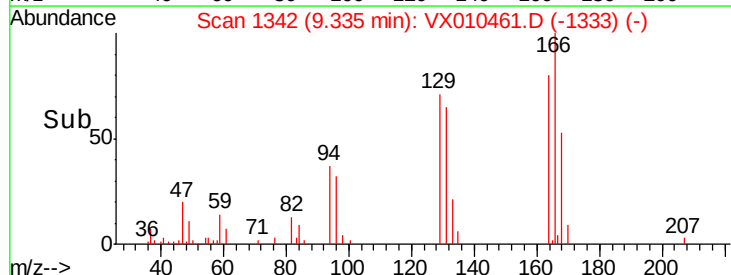
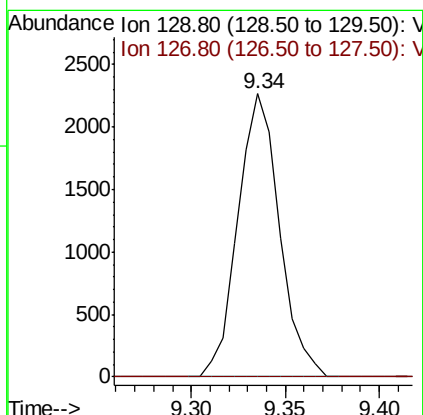
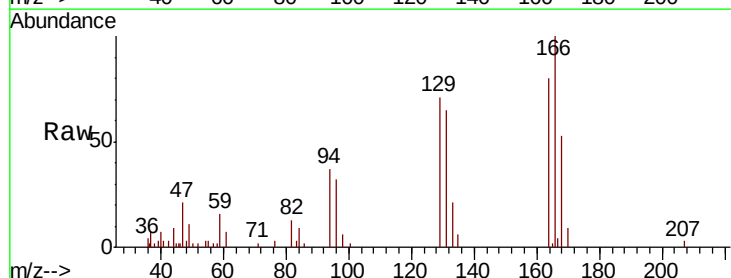
Instrument :
MSVOA_X
ClientSampleId :

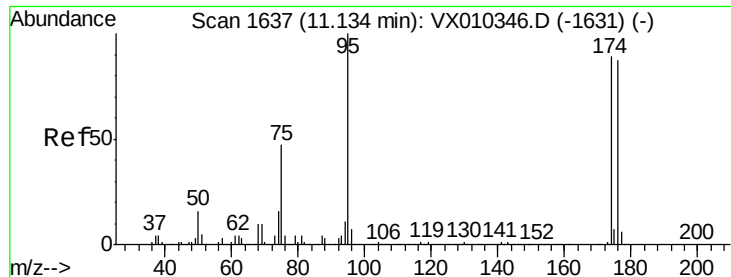
Tot Ion: 98 Resp: 458866
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#60
Dibromochloromethane
Concen: 1.190 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010461.D
Acq: 26 Jun 2019 14:36

Tgt Ion: 129 Resp: 3463
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.675 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

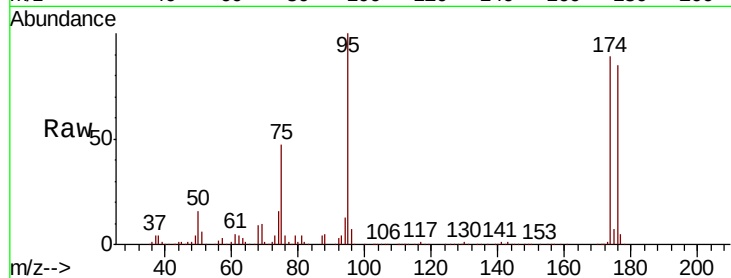
Tot Ion: 95 Resp: 149173

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.6

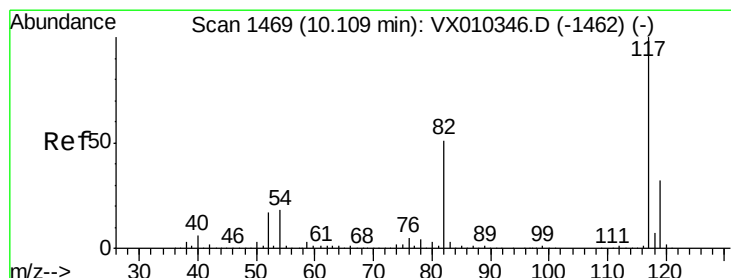
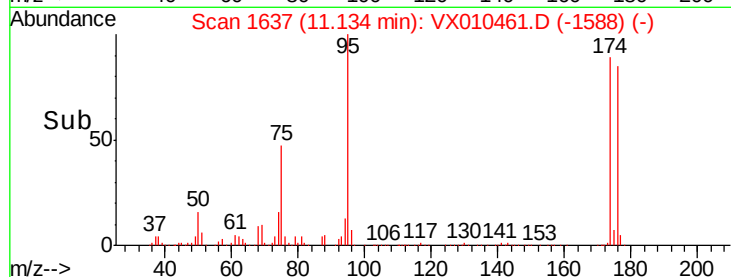
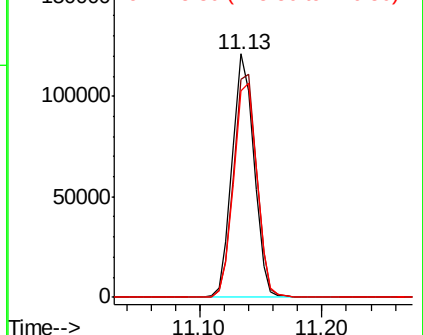
176 93.5 0.0 184.0



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: VX010461.D

Acq: 26 Jun 2019 14:36

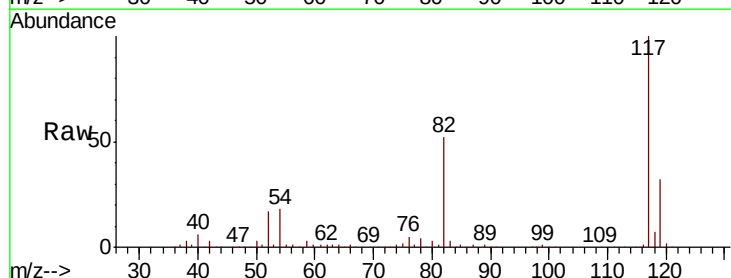
Tgt Ion: 117 Resp: 347300

Ion Ratio Lower Upper

117 100

82 52.0 41.2 61.8

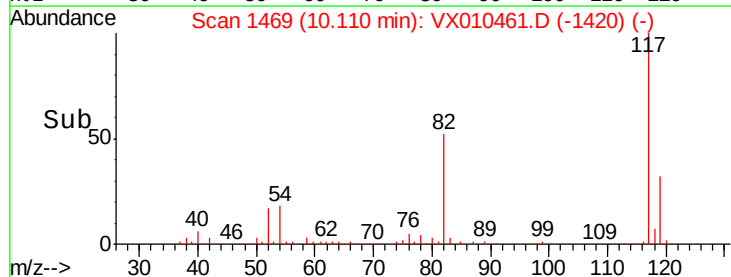
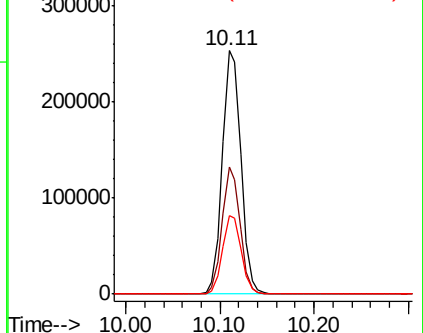
119 32.3 25.5 38.3

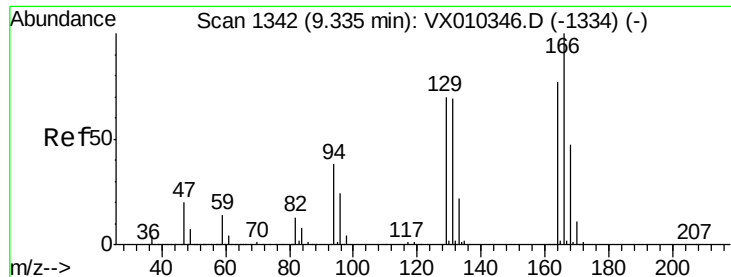


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

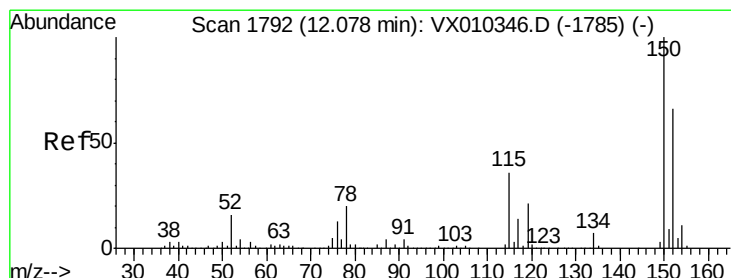
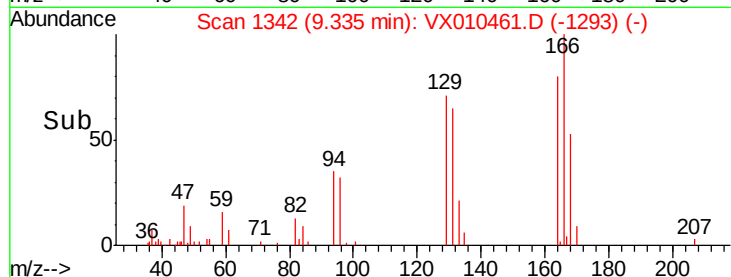
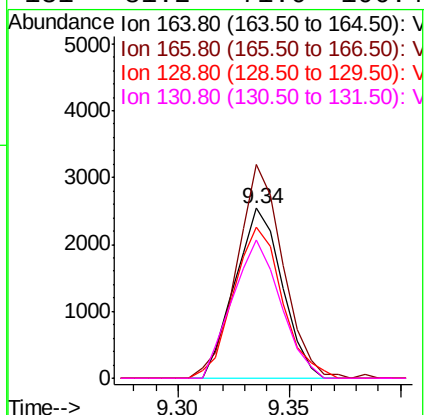
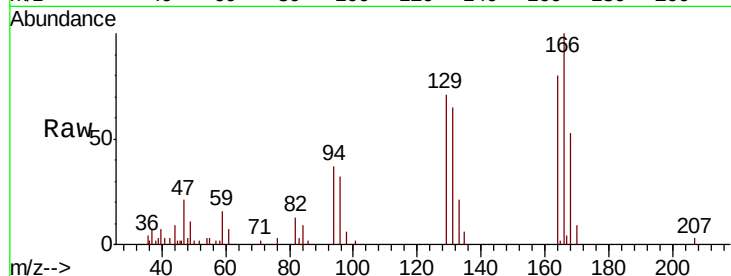




#64
Tetrachloroethene
Concen: 1.336 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010461.D
Acq: 26 Jun 2019 14:36

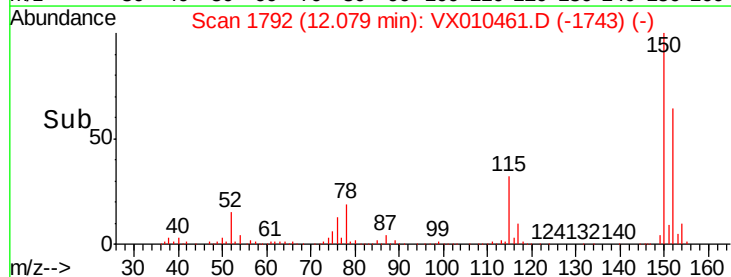
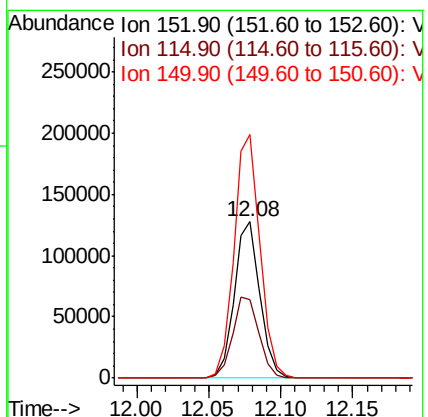
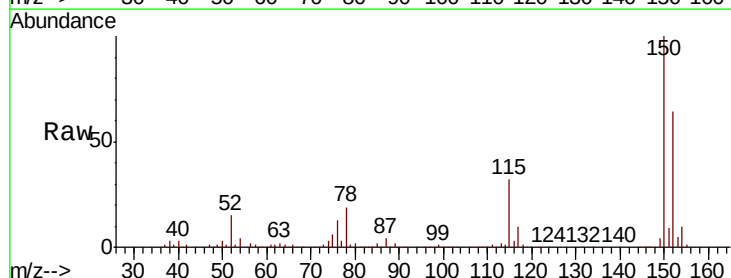
Instrument :
MSVOA_X
ClientSampled :

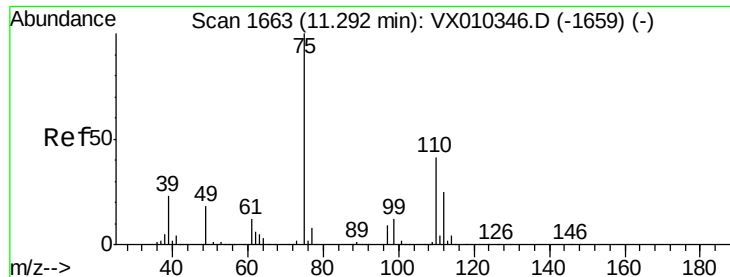
Tot Ion:164 Resp: 3754
Ion Ratio Lower Upper
164 100
166 125.6 103.6 155.4
129 89.1 73.0 109.4
131 81.2 71.0 106.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010461.D
Acq: 26 Jun 2019 14:36

Tgt Ion:152 Resp: 157813
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 158.1 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.688 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Instrument :

MSVOA_X

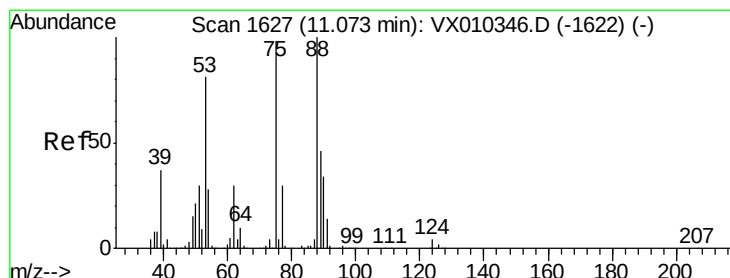
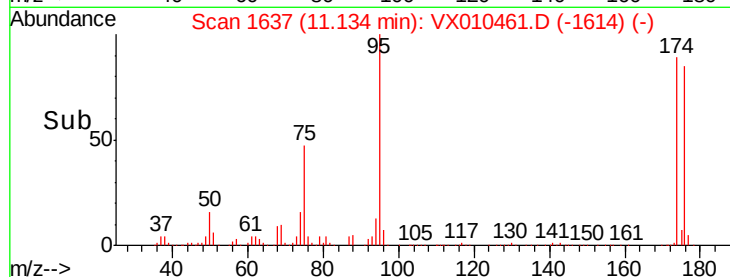
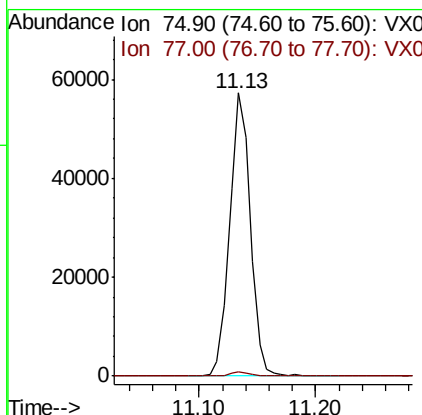
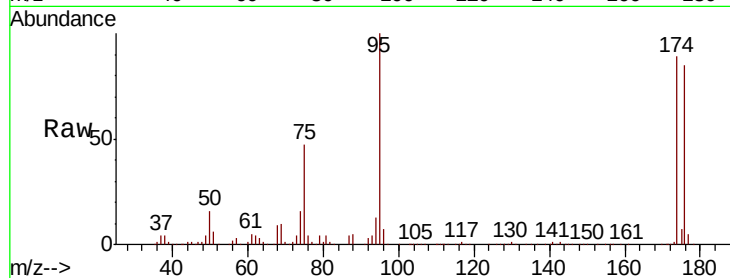
ClientSampleId :

Tot Ion: 75 Resp: 70998

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.595 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010461.D

Acq: 26 Jun 2019 14:36

Tgt Ion: 75 Resp: 70998

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.1 37.8 56.6#

