

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011861.D
 Acq On : 27 Aug 2019 19:35
 Operator : JC/SP
 Sample : K4567-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-GW

Quant Time: Aug 28 02:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	417065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	572706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	235638	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	208100	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.49	113	178756	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	648330	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	235931	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

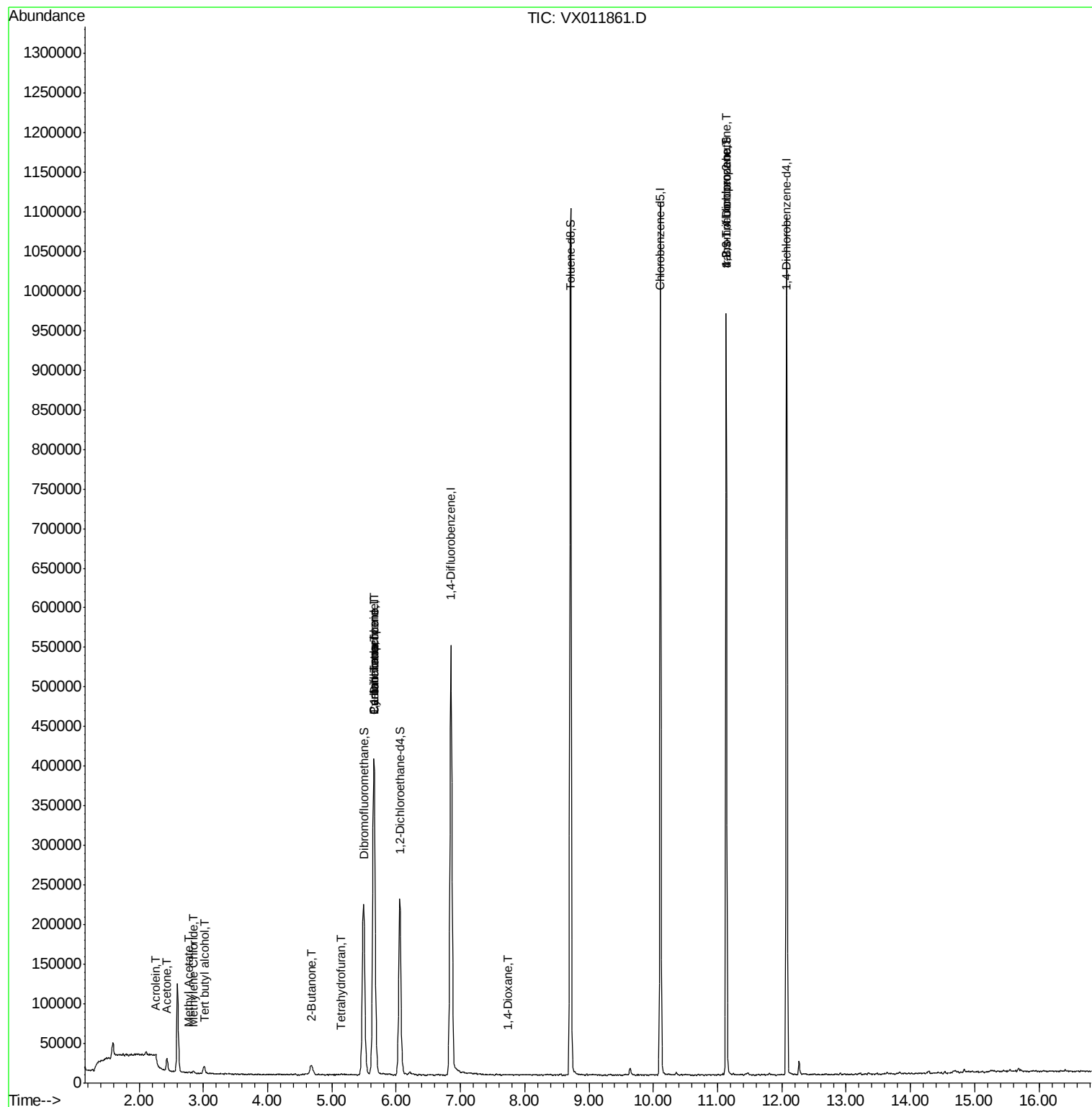
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	6368	7.692	ug/l #	82
13) Acrolein	2.26	56	469	1.465	ug/l #	1
16) Acetone	2.43	43	17373	9.532	ug/l	100
18) Methyl Acetate	2.77	43	1991	0.403	ug/l #	76
20) Methylene Chloride	2.84	84	765	0.205	ug/l #	77
25) 2-Butanone	4.67	43	1875	0.717	ug/l #	56
29) Tetrahydrofuran	5.13	42	554	0.330	ug/l #	50
31) Cyclohexane	5.65	56	7425	1.441	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26902	5.990	ug/l #	50
38) Carbon Tetrachloride	5.66	117	35947	7.063	ug/l #	15
49) 1,4-Dioxane	7.73	88	31	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	115466	27.926	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	115466	84.219	ug/l #	11

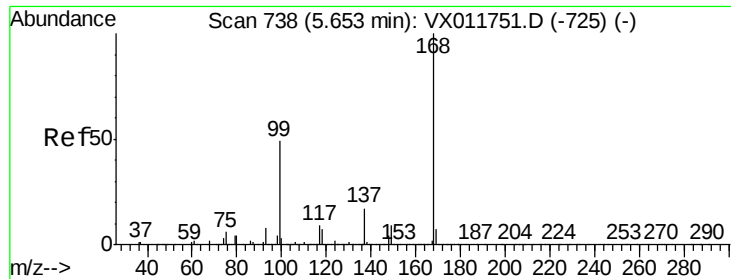
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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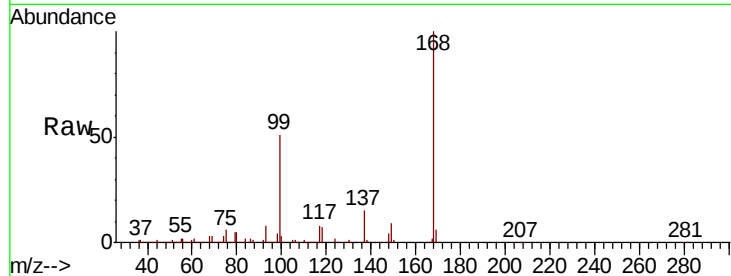


#1

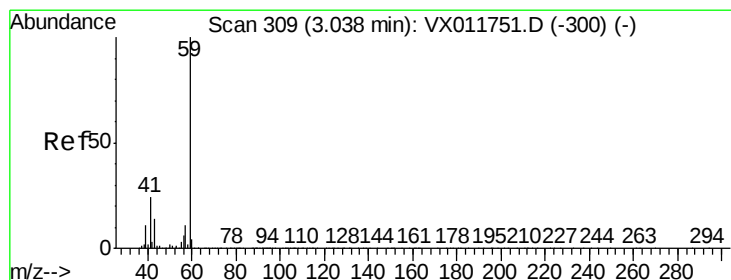
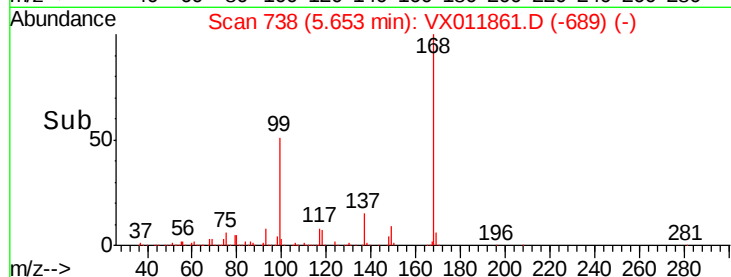
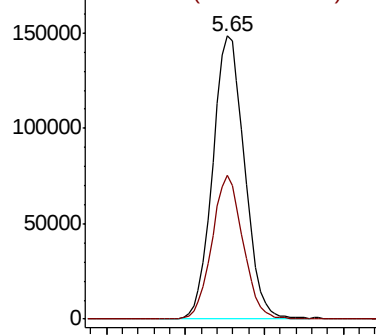
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VX011861.D
 Acq: 27 Aug 2019 19:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7-GW

Tgt Ion:168 Resp: 417065
 Ion Ratio Lower Upper
 168 100
 99 50.6 39.4 59.2



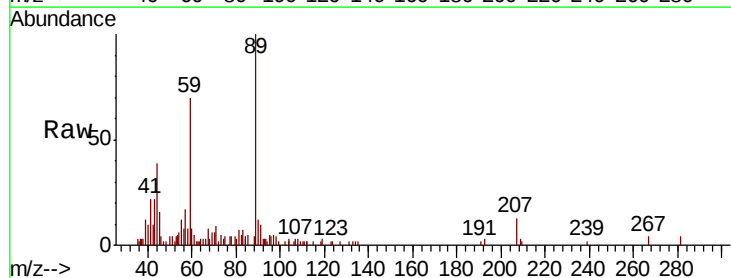
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



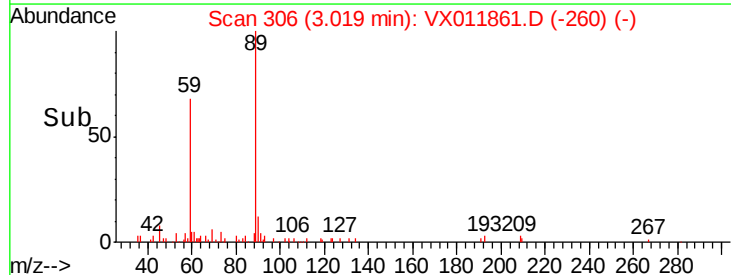
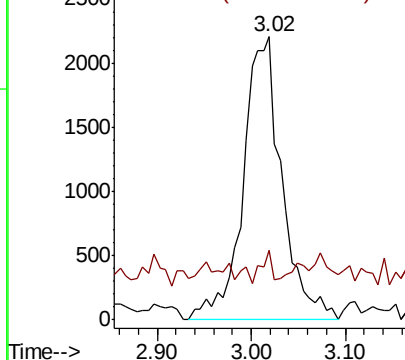
#11

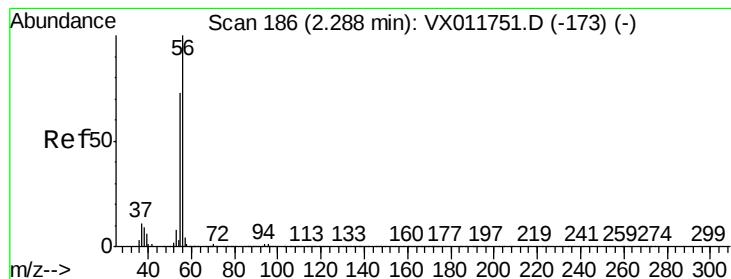
Tert butyl alcohol
 Concen: 7.692 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX011861.D
 Acq: 27 Aug 2019 19:35

Tgt Ion: 59 Resp: 6368
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.4 12.6#



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





#13

Acrolein

Concen: 1.465 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampled :

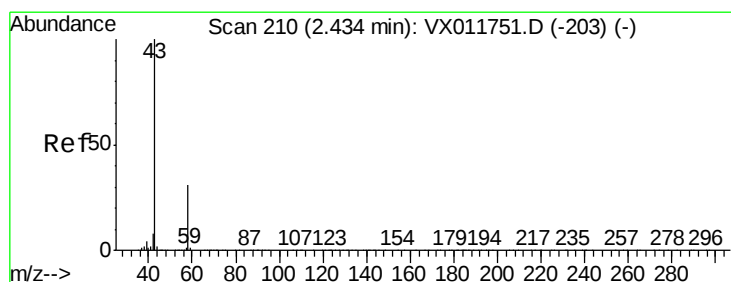
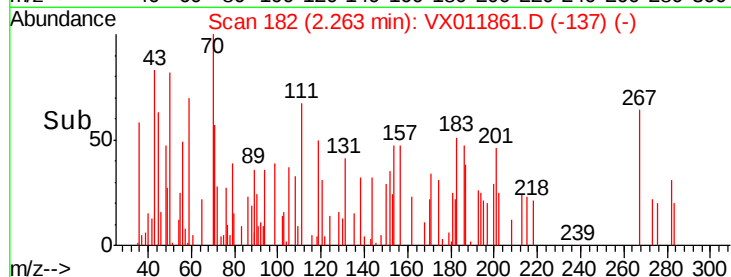
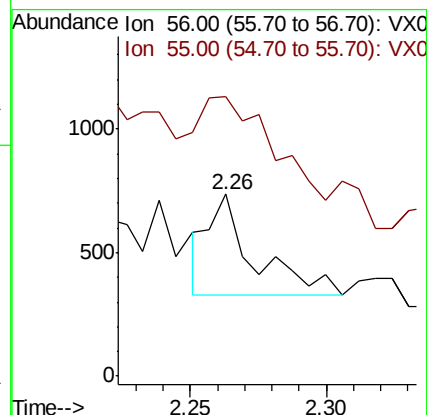
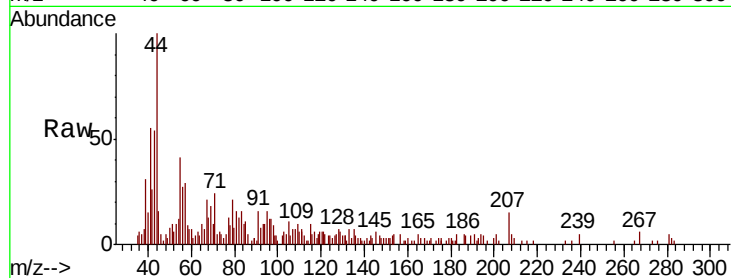
TP-7-GW

Tgt Ion: 56 Resp: 469

Ion Ratio Lower Upper

56 100

55 249.9 54.8 82.2#



#16

Acetone

Concen: 9.532 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011861.D

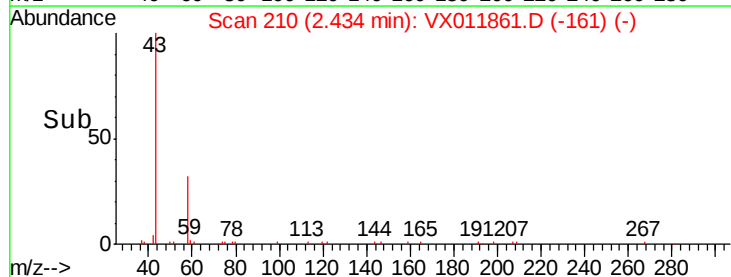
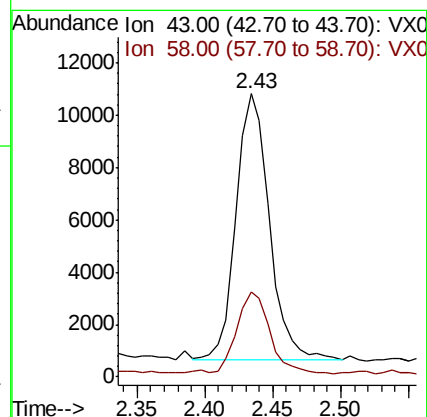
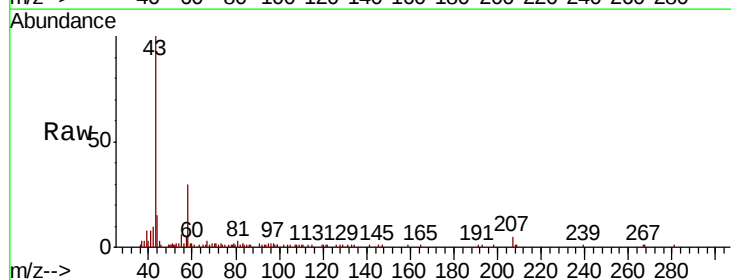
Acq: 27 Aug 2019 19:35

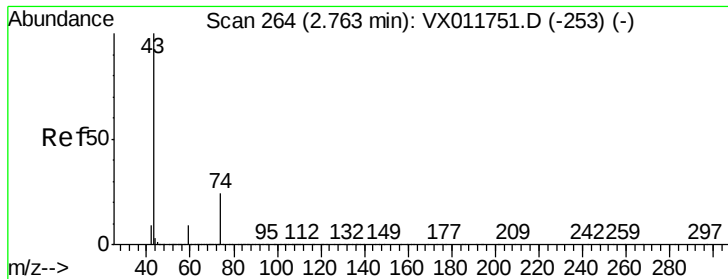
Tgt Ion: 43 Resp: 17373

Ion Ratio Lower Upper

43 100

58 30.5 24.4 36.6

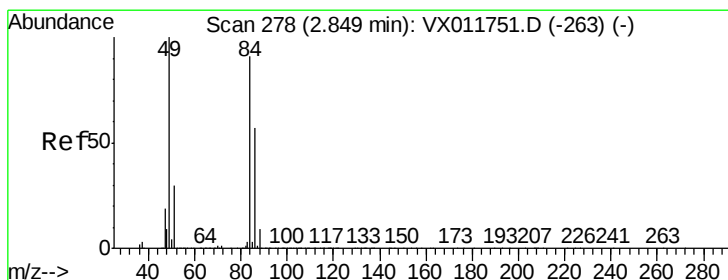
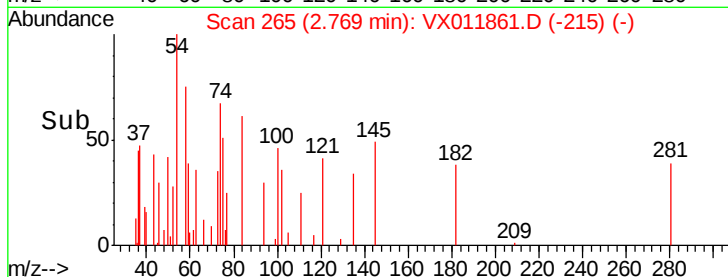
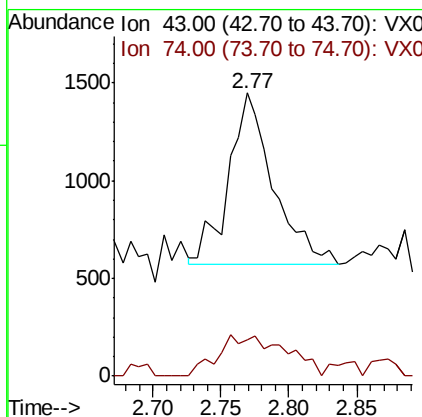
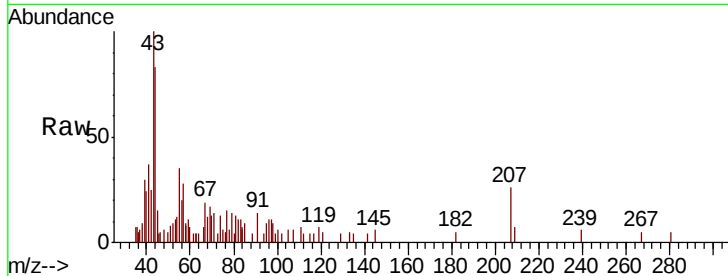




#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011861.D
Acq: 27 Aug 2019 19:35

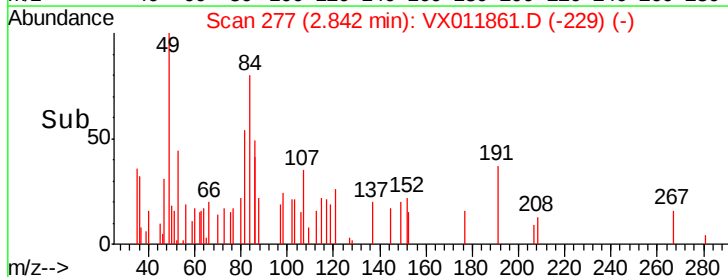
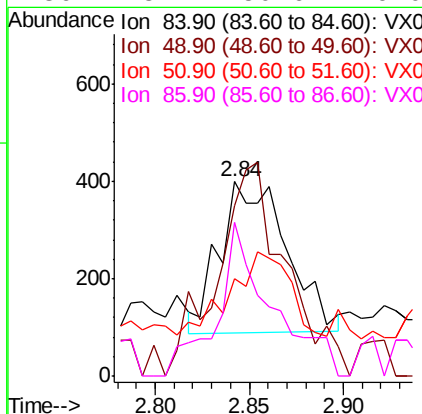
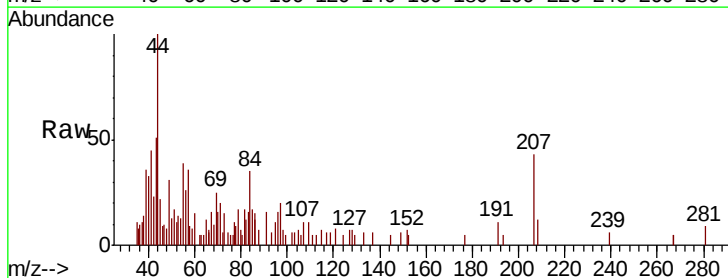
Instrument :
MSVOA_X
ClientSampleId :
TP-7-GW

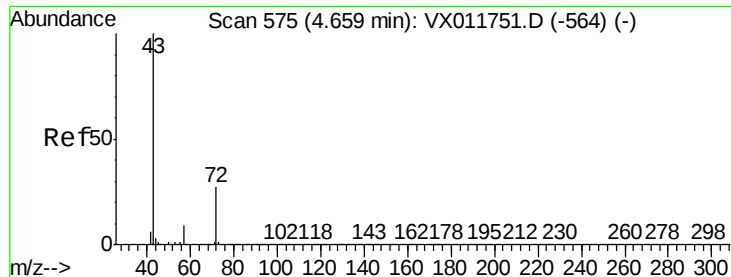
Tgt Ion: 43 Resp: 1991
Ion Ratio Lower Upper
43 100
74 36.5 19.5 29.3#



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011861.D
Acq: 27 Aug 2019 19:35

Tgt Ion: 84 Resp: 765
Ion Ratio Lower Upper
84 100
49 106.6 88.3 132.5
51 33.0 26.2 39.2
86 115.4 50.6 76.0#





#25

2-Butanone

Concen: 0.717 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

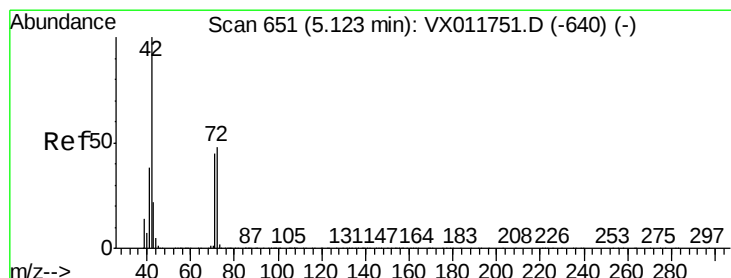
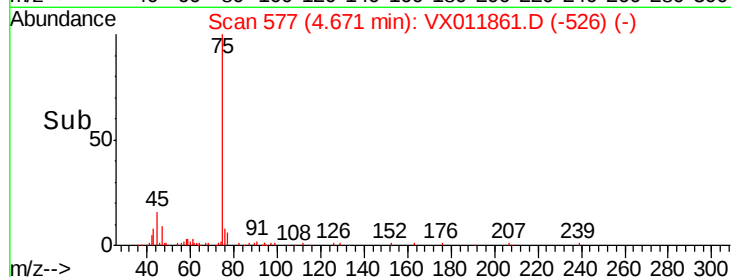
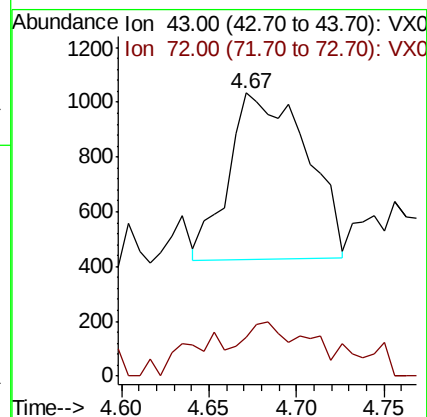
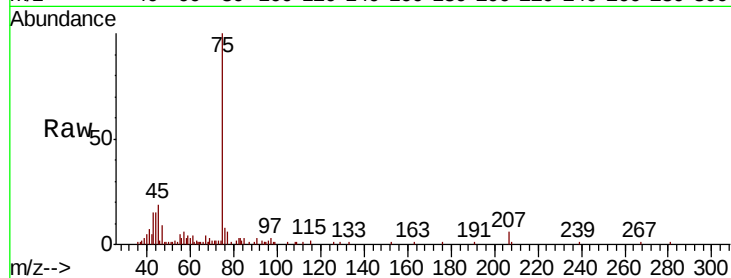
TP-7-GW

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

43 100

72 4.5 21.8 32.6#



#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

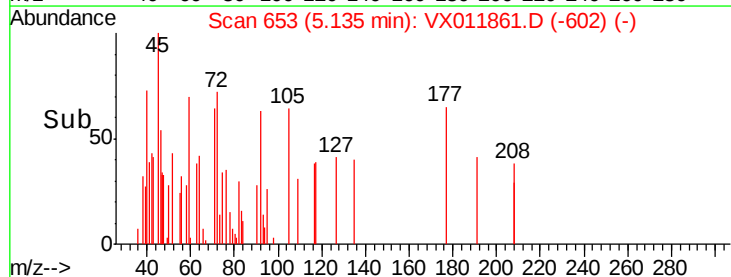
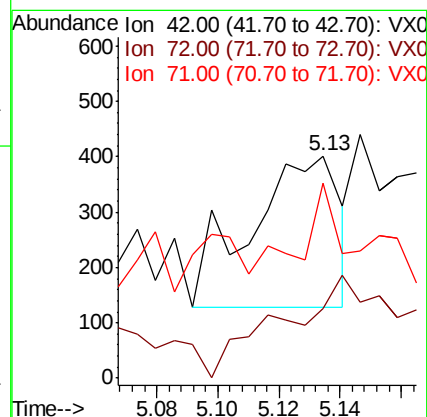
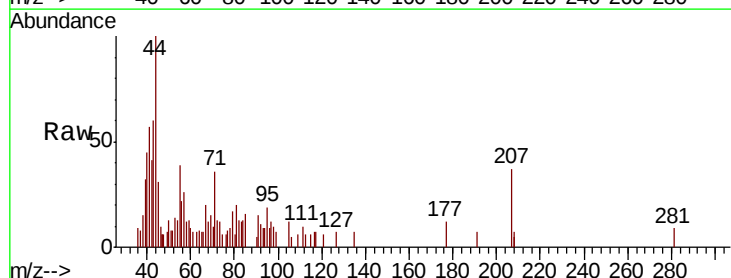
Tgt Ion: 42 Resp: 554

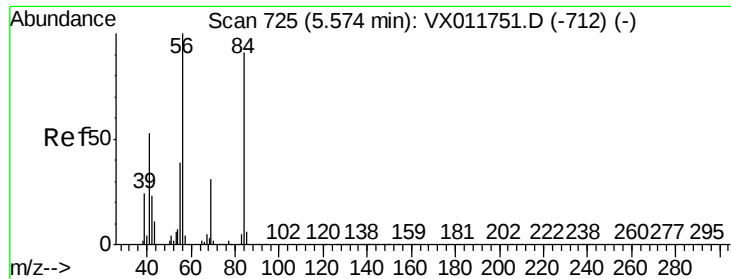
Ion Ratio Lower Upper

42 100

72 77.1 37.6 56.4#

71 8.1 34.6 51.8#

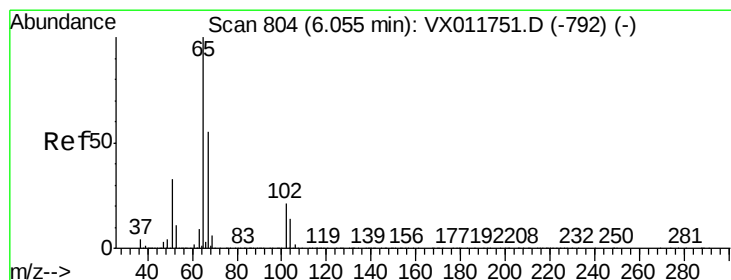
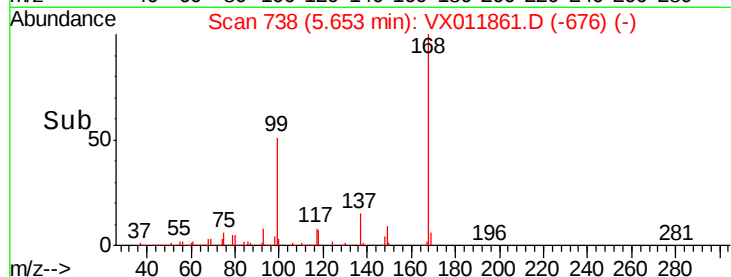
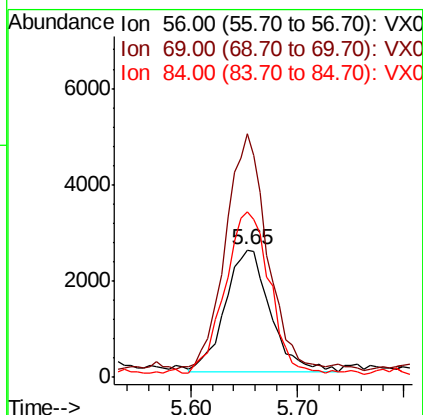
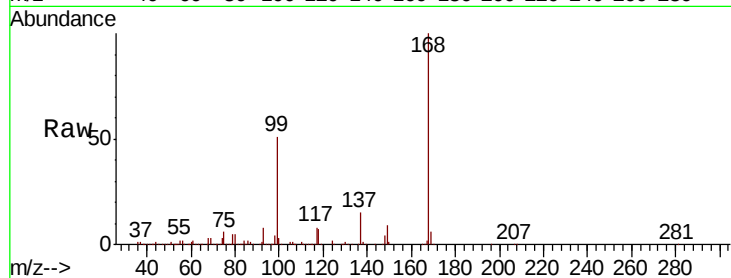




#31
Cyclohexane
Concen: 1.441 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011861.D
Acq: 27 Aug 2019 19:35

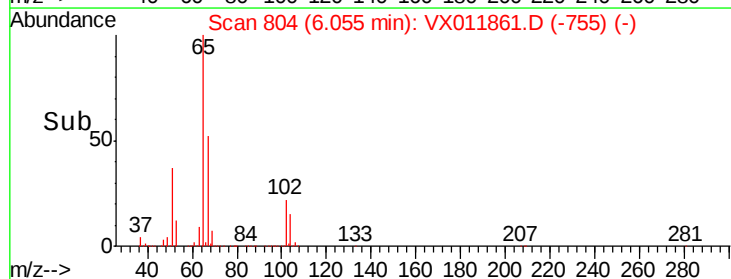
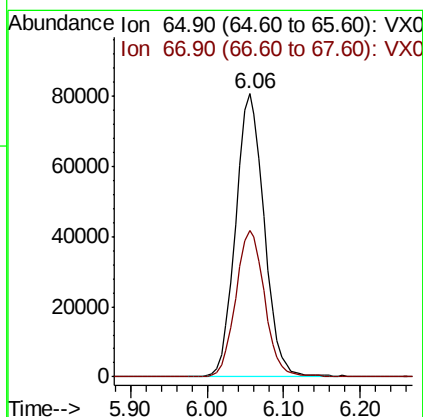
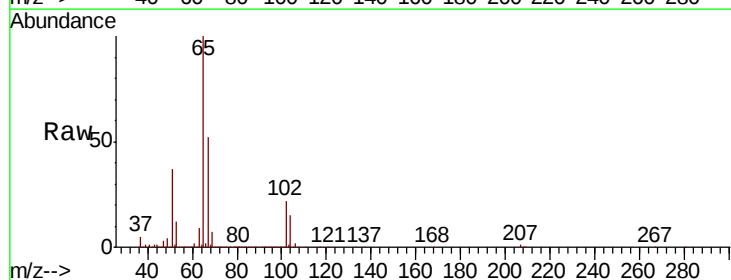
Instrument :
MSVOA_X
ClientSampleId :
TP-7-GW

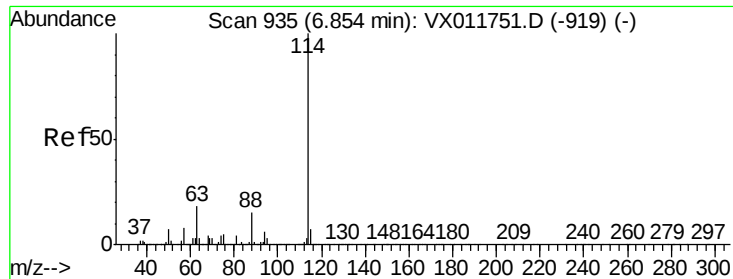
Tgt Ion: 56 Resp: 7425
Ion Ratio Lower Upper
56 100
69 192.1 24.5 36.7#
84 133.5 72.7 109.1#



#33
1,2-Dichloroethane-d4
Concen: 49.670 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011861.D
Acq: 27 Aug 2019 19:35

Tgt Ion: 65 Resp: 208100
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

TP-7-GW

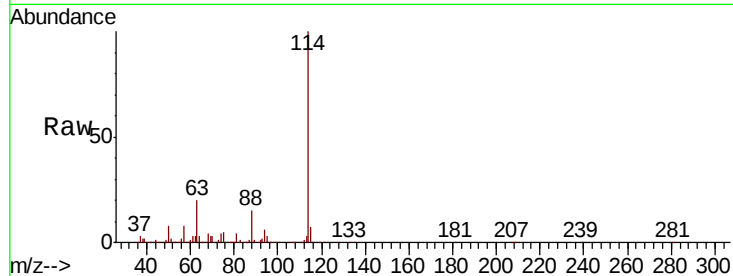
Tgt Ion:114 Resp: 572706

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.8

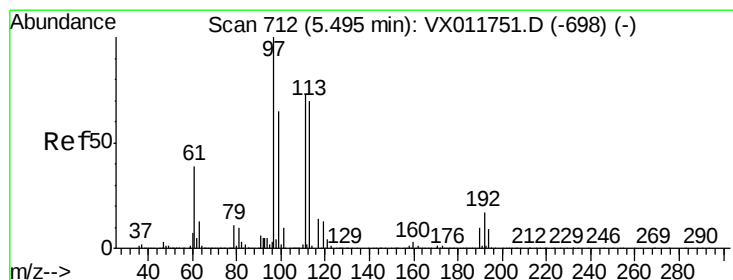
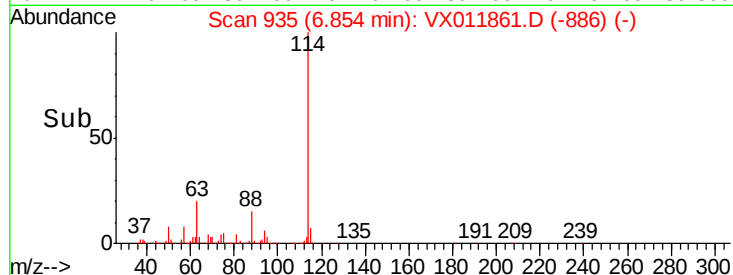
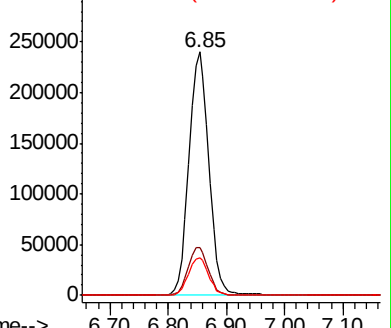
88 15.3 0.0 30.2



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: 48.269 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

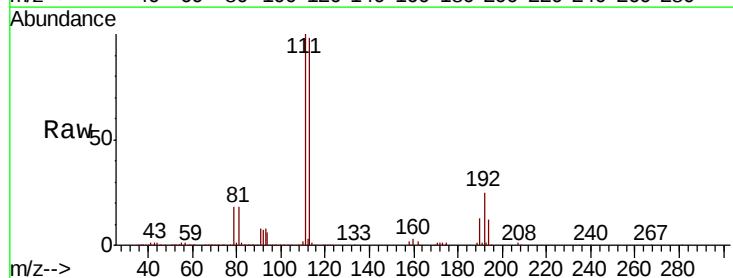
Tgt Ion:113 Resp: 178756

Ion Ratio Lower Upper

113 100

111 101.9 81.0 121.4

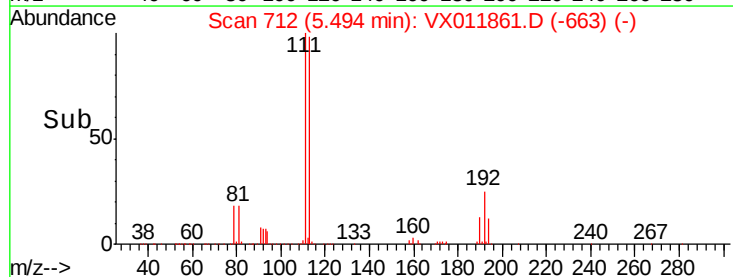
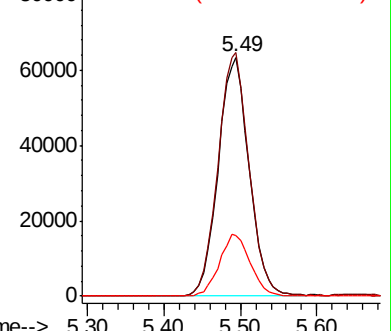
192 25.9 19.9 29.9

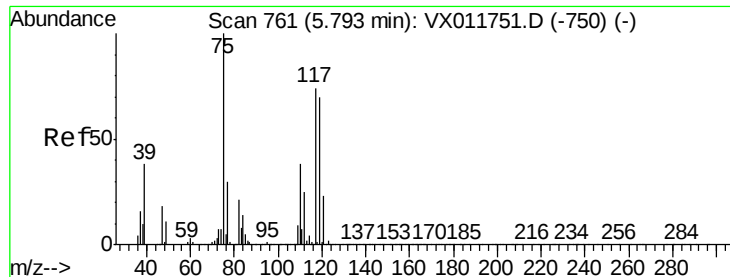


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.990 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

TP-7-GW

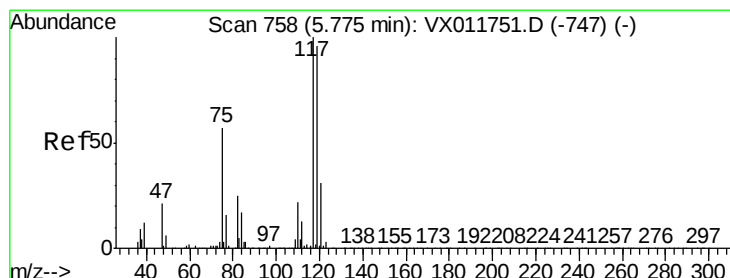
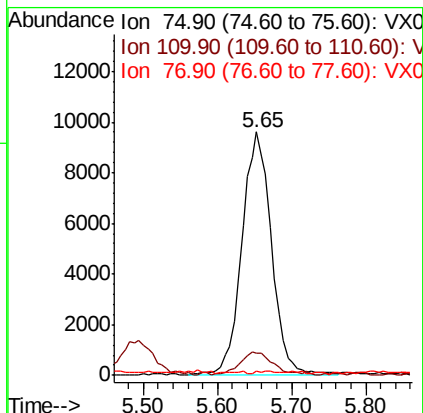
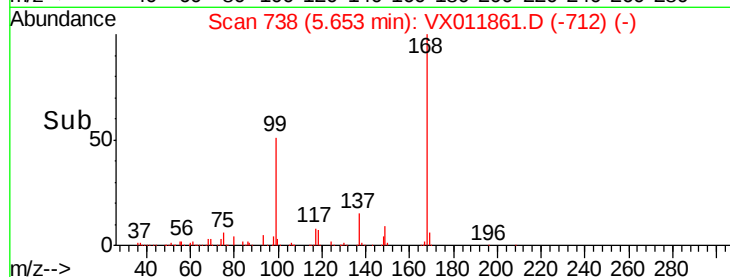
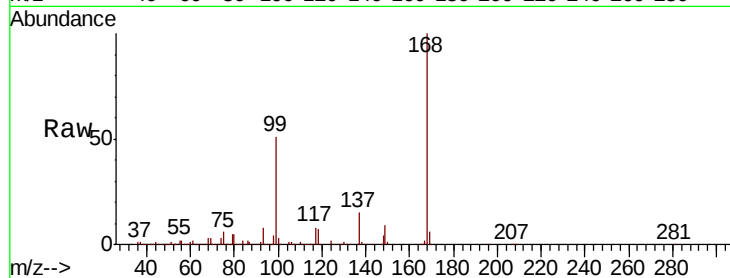
Tgt Ion: 75 Resp: 26902

Ion Ratio Lower Upper

75 100

110 10.7 19.0 57.0#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 7.063 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

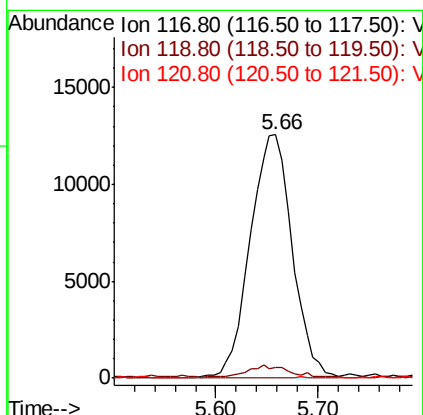
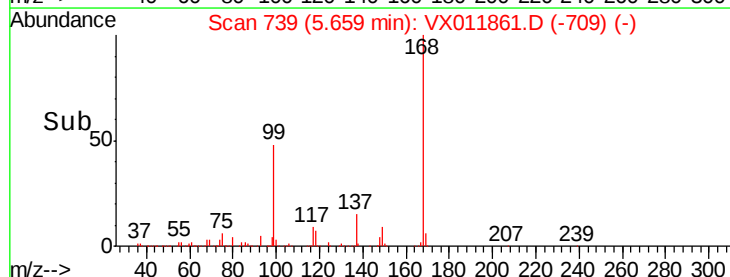
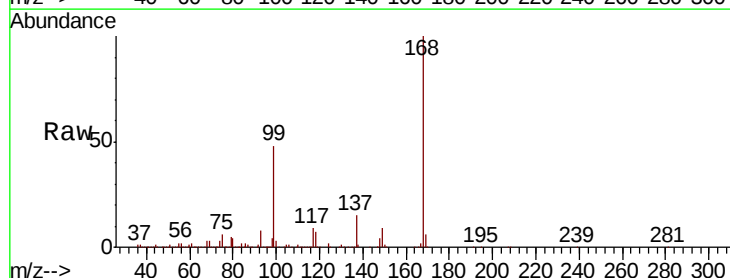
Tgt Ion: 117 Resp: 35947

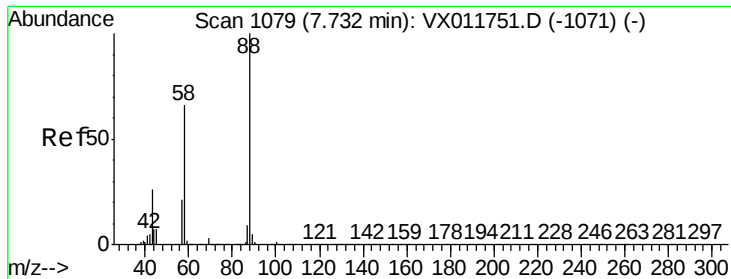
Ion Ratio Lower Upper

117 100

119 3.9 76.6 114.8#

121 0.0 25.2 37.8#





#49

1,4-Dioxane

Concen: 0.292 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampled :

TP-7-GW

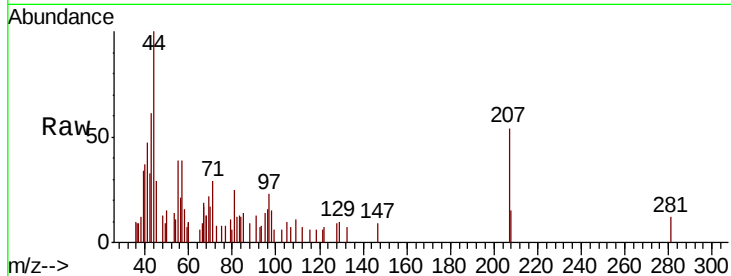
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 341.9 24.6 37.0#

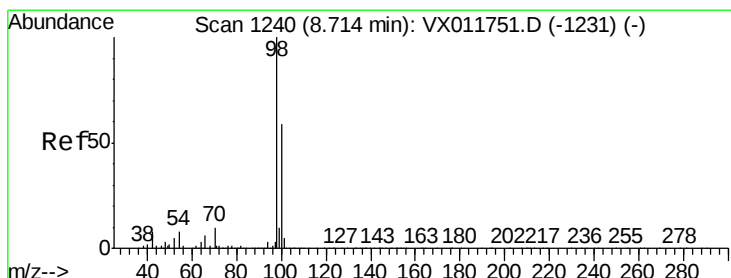
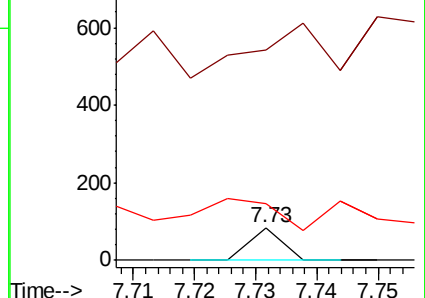
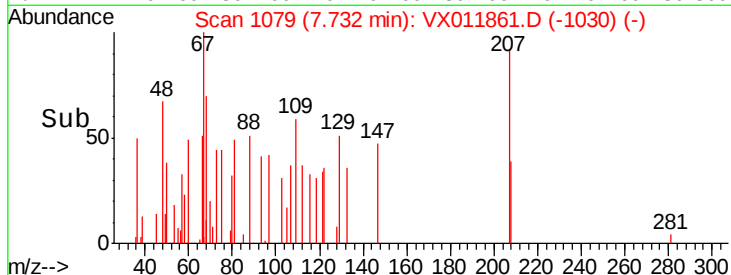
58 248.4 51.4 77.2#



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: 50.191 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011861.D

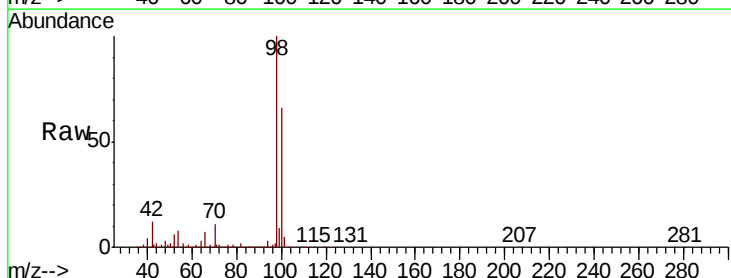
Acq: 27 Aug 2019 19:35

Tgt Ion: 98 Resp: 648330

Ion Ratio Lower Upper

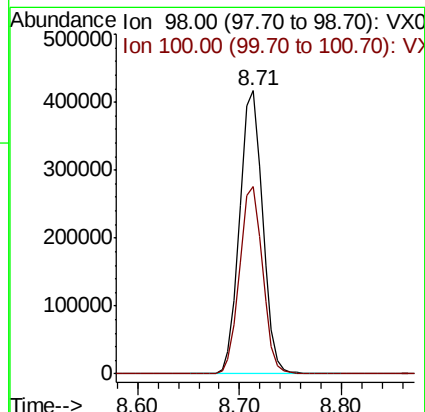
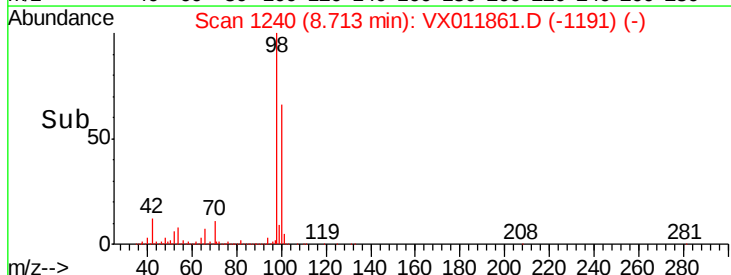
98 100

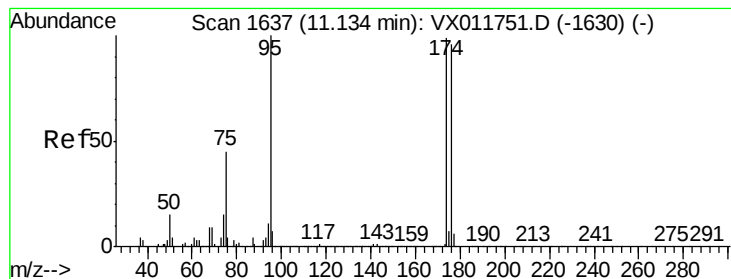
100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampled :

TP-7-GW

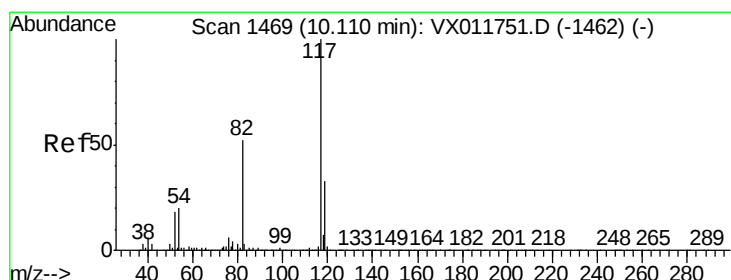
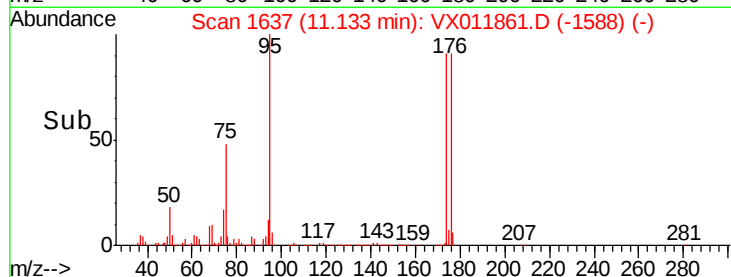
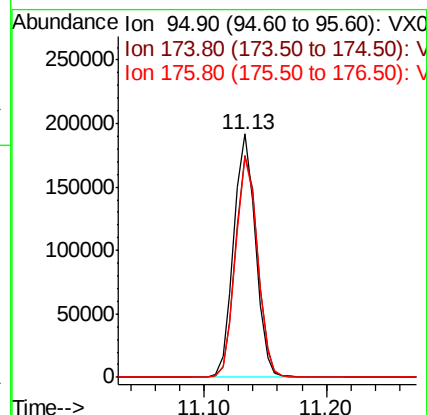
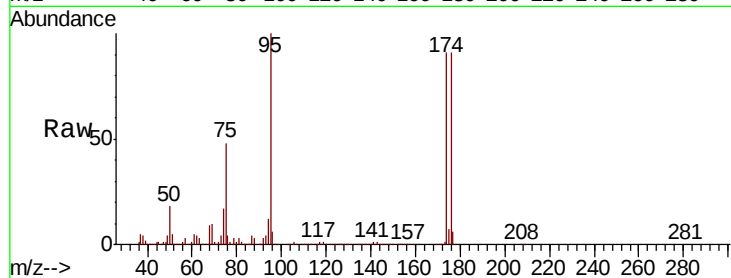
Tgt Ion: 95 Resp: 235931

Ion Ratio Lower Upper

95 100

174 92.8 0.0 197.4

176 91.0 0.0 194.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

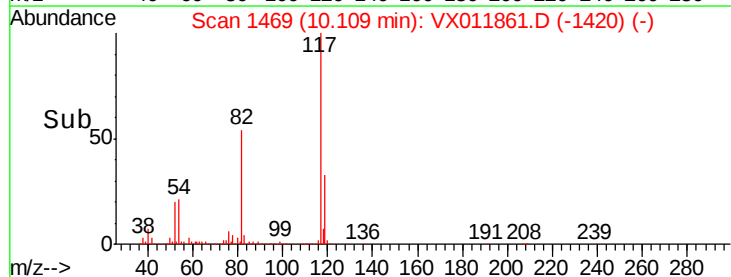
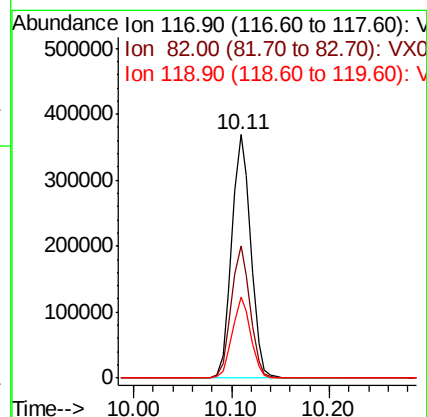
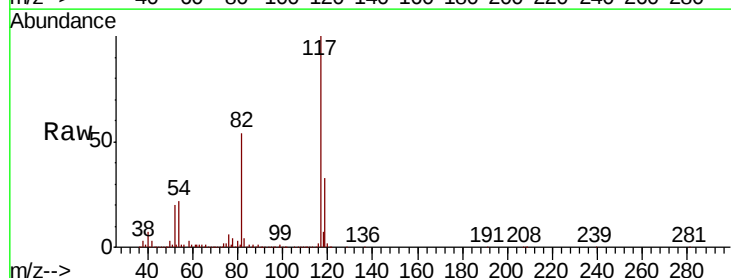
Tgt Ion: 117 Resp: 499257

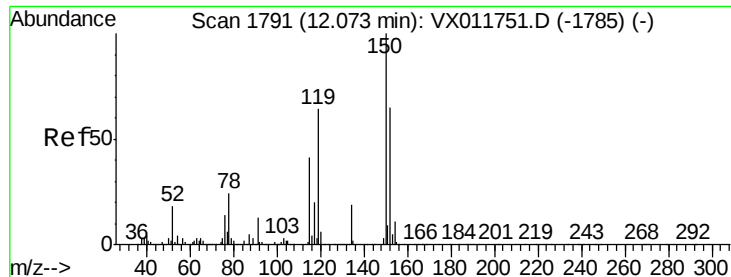
Ion Ratio Lower Upper

117 100

82 54.2 41.7 62.5

119 33.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

TP-7-GW

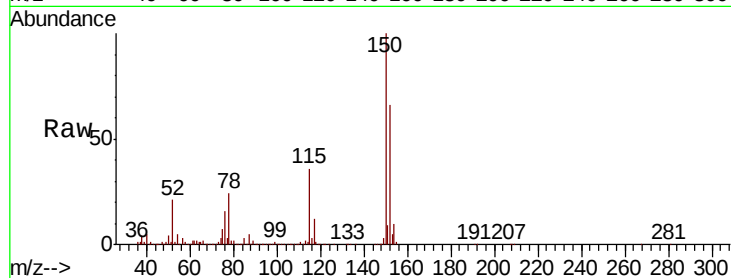
Tgt Ion: 152 Resp: 235638

Ion Ratio Lower Upper

152 100

115 53.8 37.3 111.8

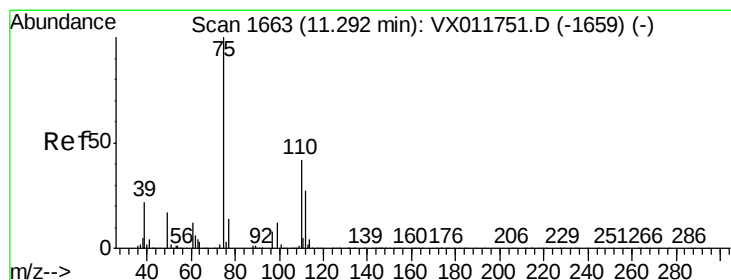
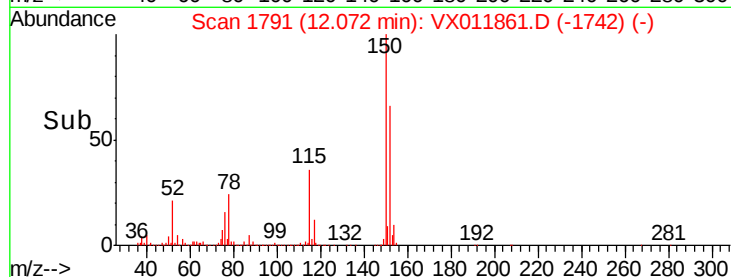
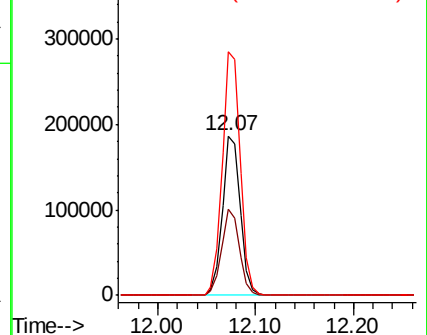
150 154.4 0.0 343.0



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: 27.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011861.D

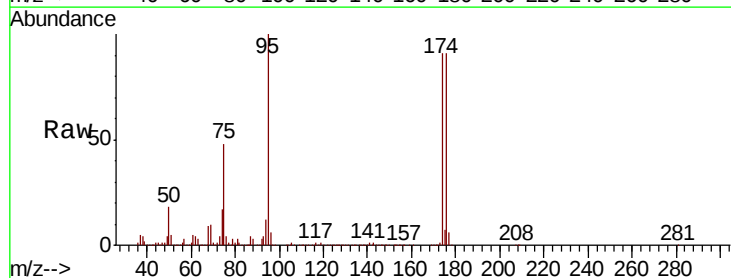
Acq: 27 Aug 2019 19:35

Tgt Ion: 75 Resp: 115466

Ion Ratio Lower Upper

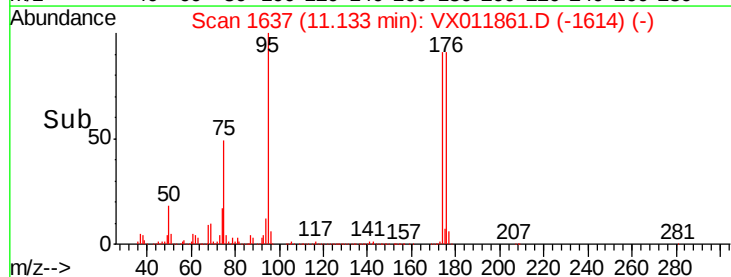
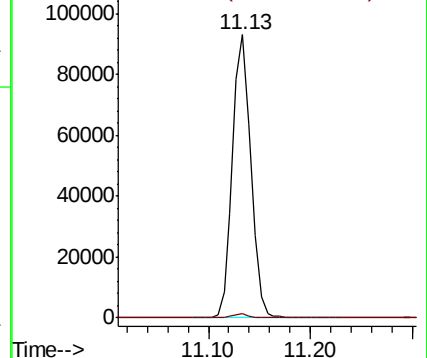
75 100

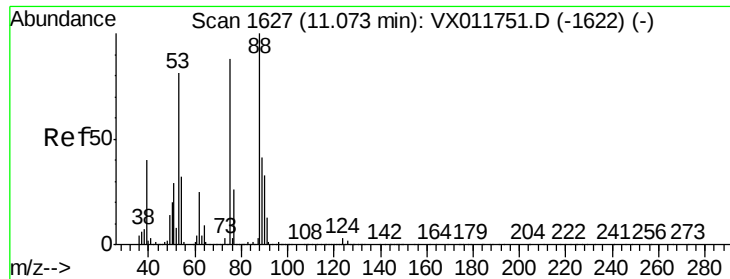
77 1.2 21.1 63.3#



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: 84.219 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011861.D

Acq: 27 Aug 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

TP-7-GW

Tgt Ion: 75 Resp: 115466

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.5 57.7#

