

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011862.D
 Acq On : 27 Aug 2019 19:58
 Operator : JC/SP
 Sample : K4567-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8-GW

Quant Time: Aug 28 02:25:47 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	406880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	561833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	492241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	239014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	209930	51.36	ug/l	0.00
Spiked Amount						
			Recovery	=	102.72%	
35) Dibromofluoromethane	5.49	113	174113	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
50) Toluene-d8	8.71	98	644428	50.85	ug/l	0.00
Spiked Amount						
			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	237684	47.45	ug/l	0.00
Spiked Amount						
			Recovery	=	94.90%	

Target Compounds

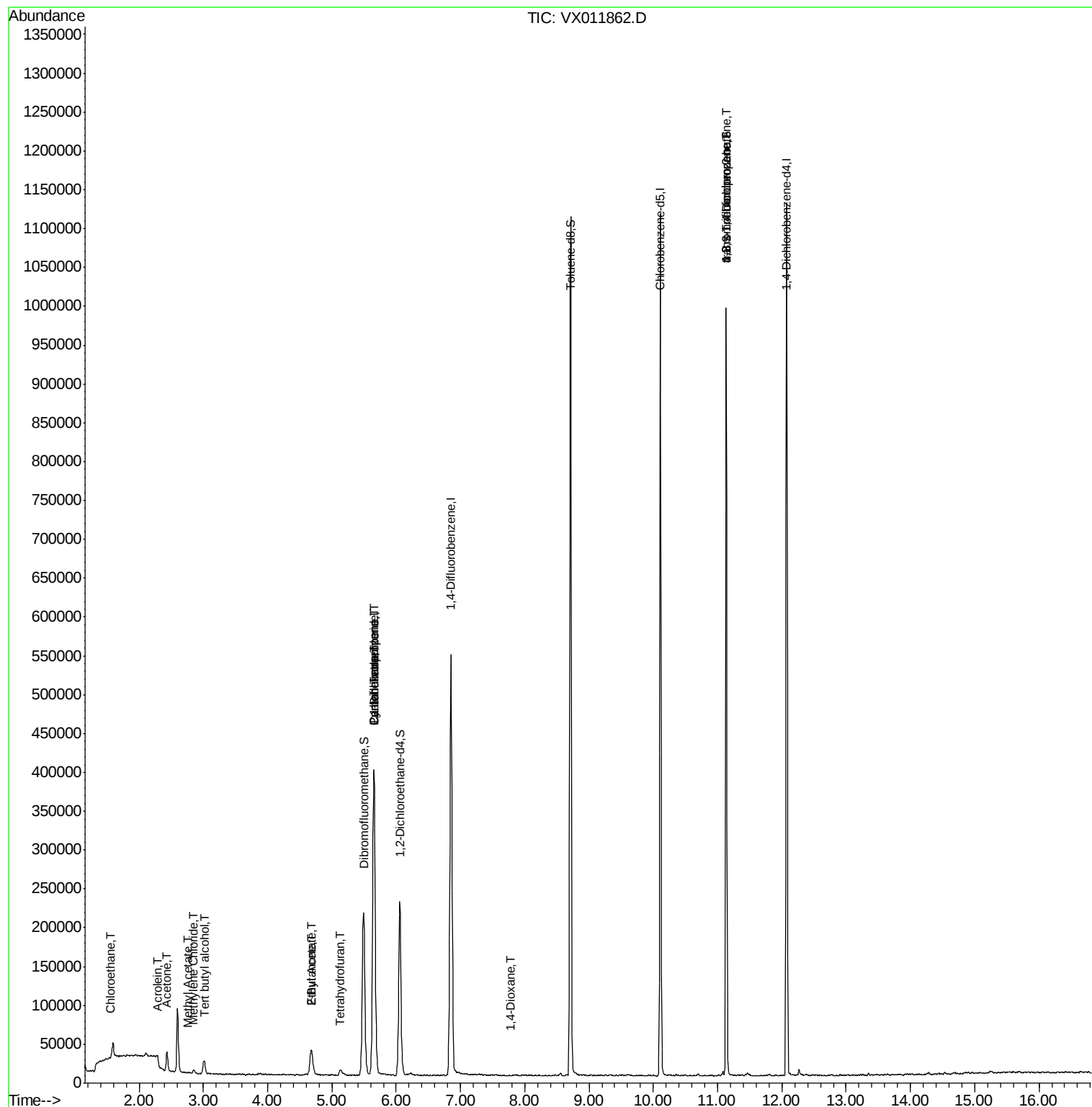
						Qvalue
6) Chloroethane	1.55	64	2411	1.239	ug/l #	74
11) Tert butyl alcohol	3.01	59	11286	13.973	ug/l #	81
13) Acrolein	2.29	56	1321	4.231	ug/l #	38
16) Acetone	2.43	43	26314	14.800	ug/l	98
18) Methyl Acetate	2.77	43	1272	0.264	ug/l	92
20) Methylene Chloride	2.85	84	2376	0.654	ug/l #	84
25) 2-Butanone	4.68	43	9704	3.802	ug/l #	84
29) Tetrahydrofuran	5.13	42	6501	3.974	ug/l #	89
31) Cyclohexane	5.65	56	7286	1.450	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26402	5.993	ug/l #	50
37) Ethyl Acetate	4.68	43	9704	2.081	ug/l #	82
38) Carbon Tetrachloride	5.65	117	35454	7.101	ug/l #	15
49) 1,4-Dioxane	7.78	88	41	0.394	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	117659	28.054	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	117659	84.607	ug/l #	11

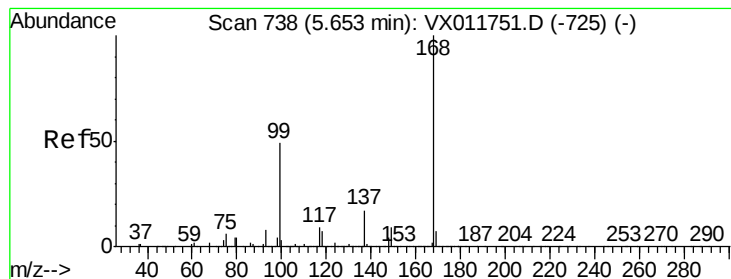
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011862.D

Acq: 27 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

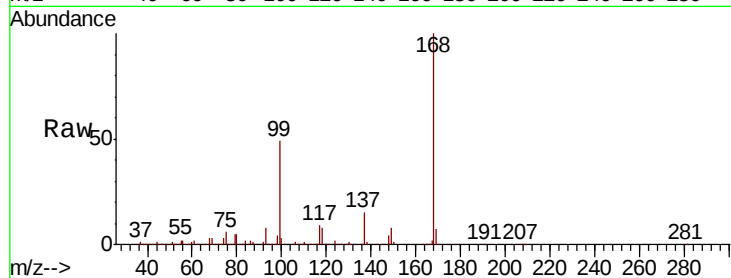
TP-8-GW

Tgt Ion:168 Resp: 406880

Ion Ratio Lower Upper

168 100

99 48.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

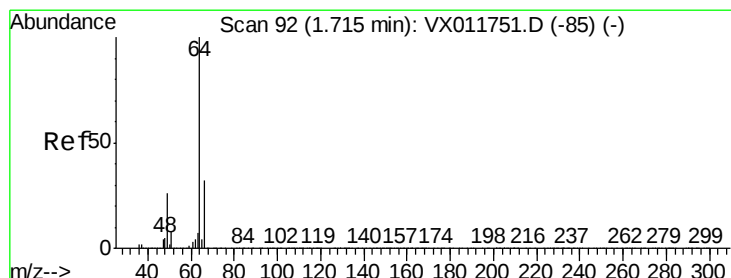
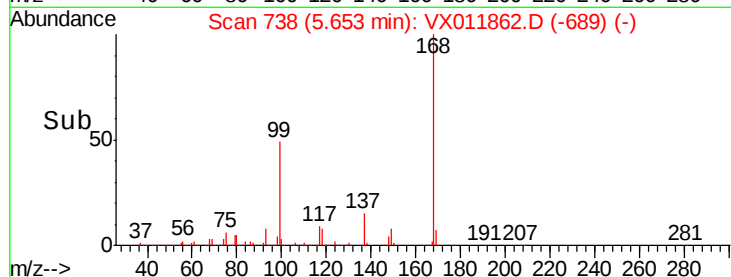
100000

50000

0

Time-->

5.60 5.80



#6

Chloroethane

Concen: 1.239 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.16 min

Lab File: VX011862.D

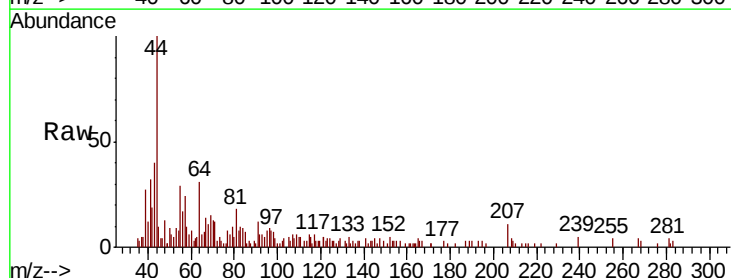
Acq: 27 Aug 2019 19:58

Tgt Ion: 64 Resp: 2411

Ion Ratio Lower Upper

64 100

66 17.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.55

1200

1000

800

600

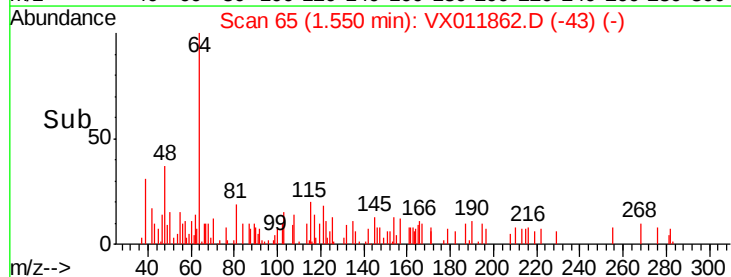
400

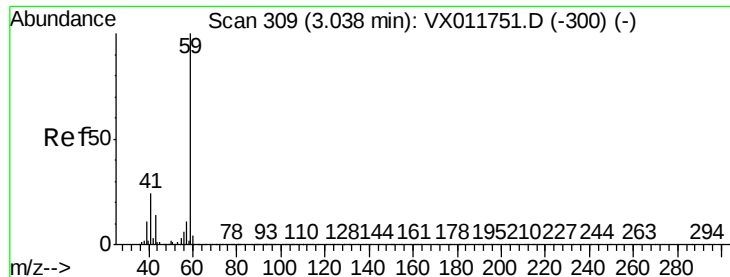
200

0

Time-->

1.45 1.50 1.55 1.60

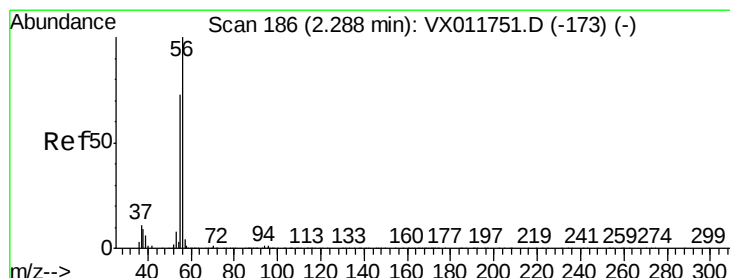
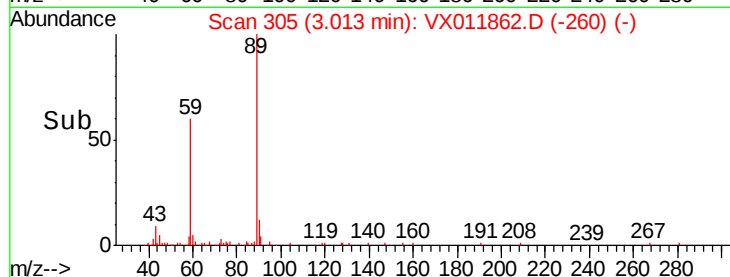
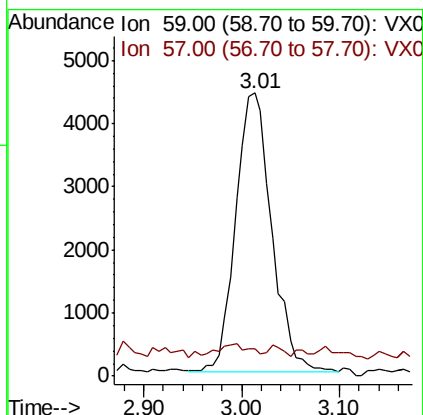
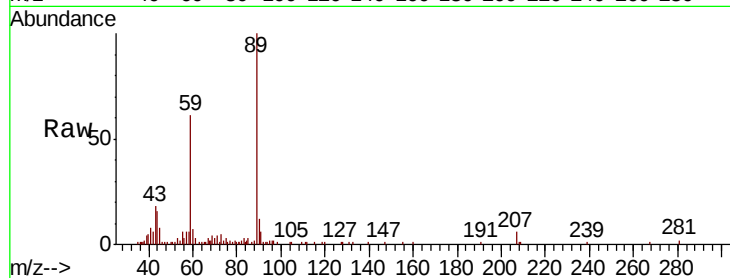




#11
Tert butyl alcohol
Concen: 13.973 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

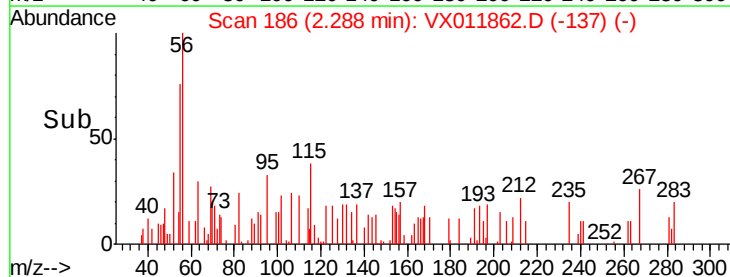
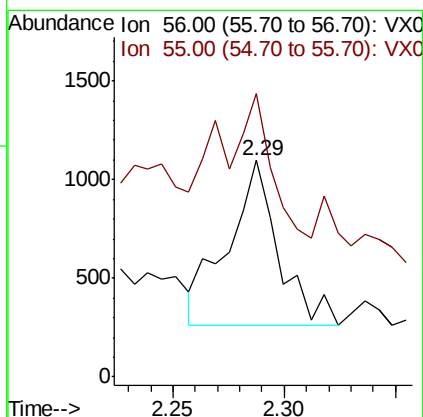
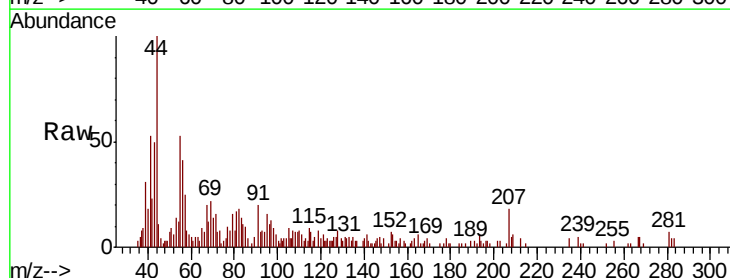
Instrument :
MSVOA_X
ClientSampleId :
TP-8-GW

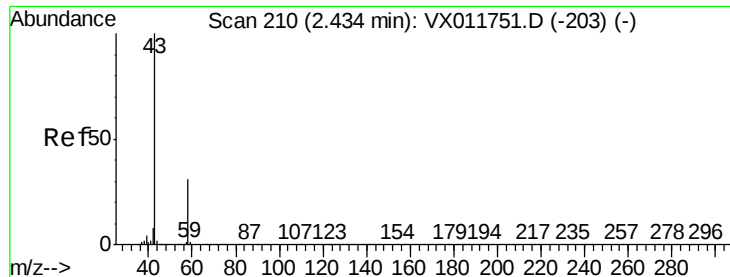
Tgt Ion: 59 Resp: 11286
Ion Ratio Lower Upper
59 100
57 3.3 8.4 12.6#



#13
Acrolein
Concen: 4.231 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.00 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion: 56 Resp: 1321
Ion Ratio Lower Upper
56 100
55 17.9 54.8 82.2#





#16

Acetone

Concen: 14.800 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011862.D

Acq: 27 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

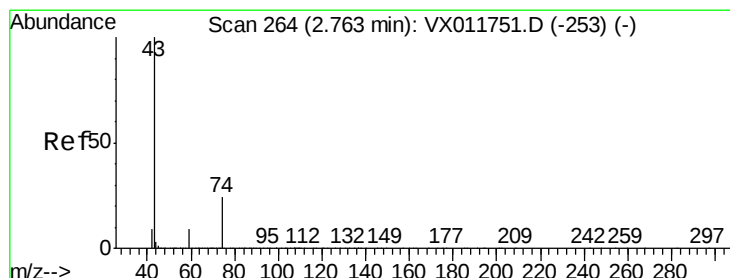
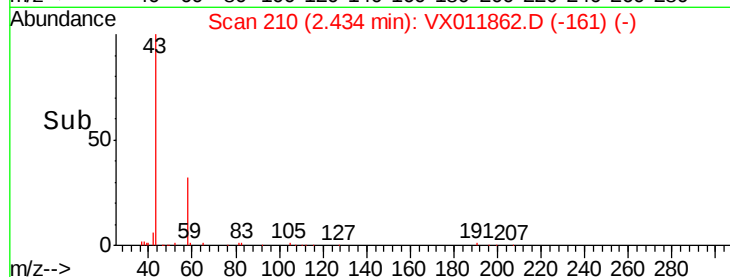
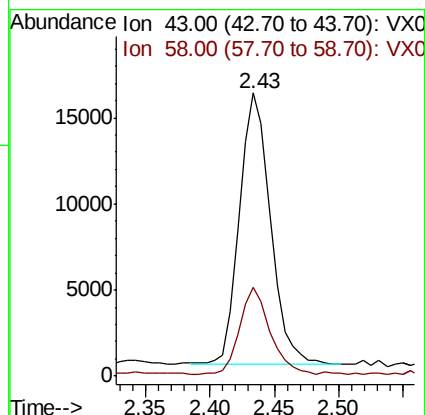
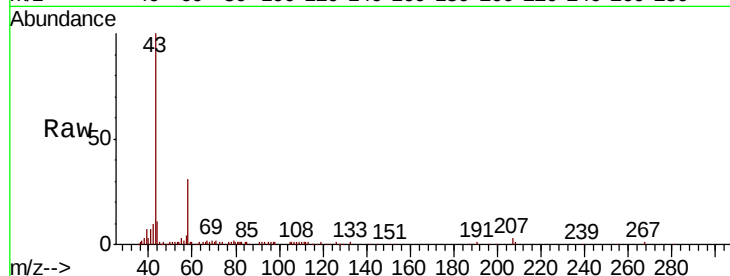
TP-8-GW

Tgt Ion: 43 Resp: 26314

Ion Ratio Lower Upper

43 100

58 31.8 24.4 36.6



#18

Methyl Acetate

Concen: 0.264 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011862.D

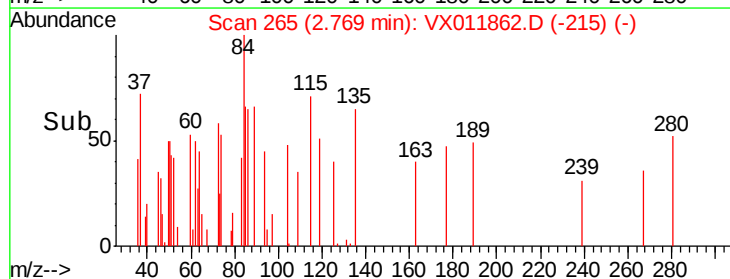
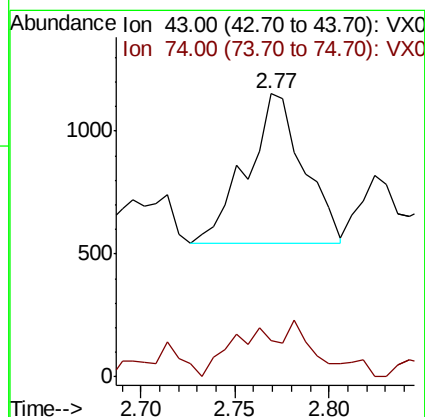
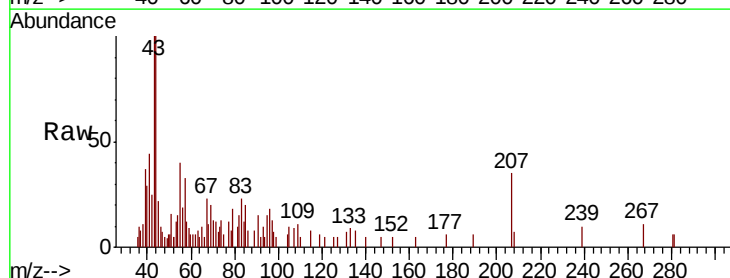
Acq: 27 Aug 2019 19:58

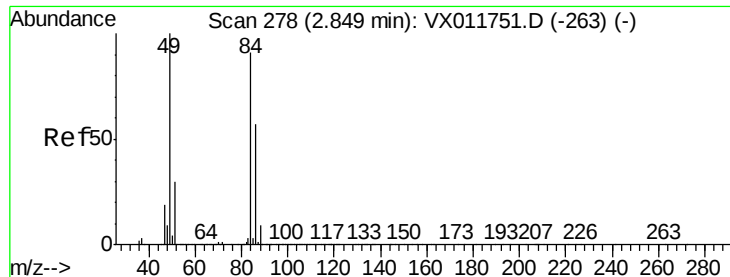
Tgt Ion: 43 Resp: 1272

Ion Ratio Lower Upper

43 100

74 28.2 19.5 29.3

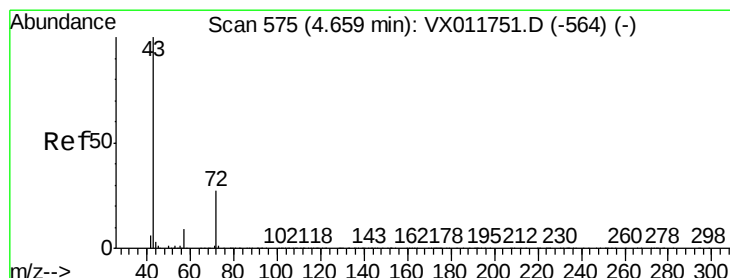
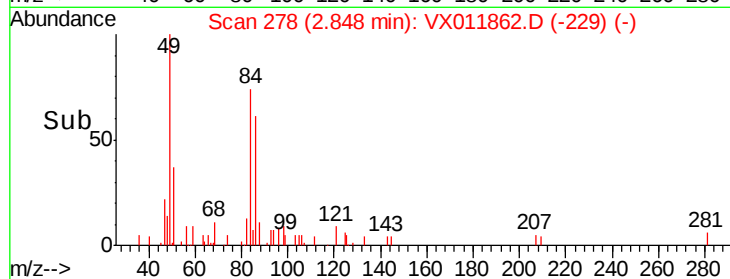
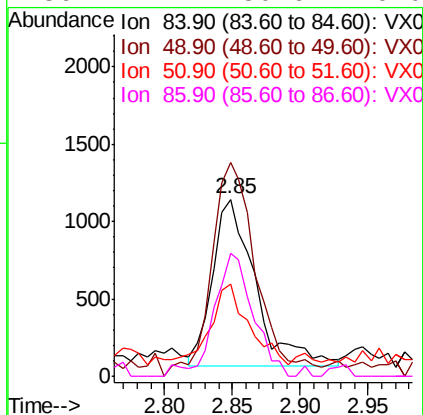
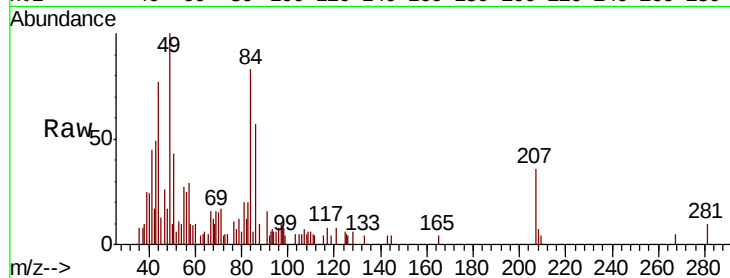




#20
Methylene Chloride
Concen: 0.654 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

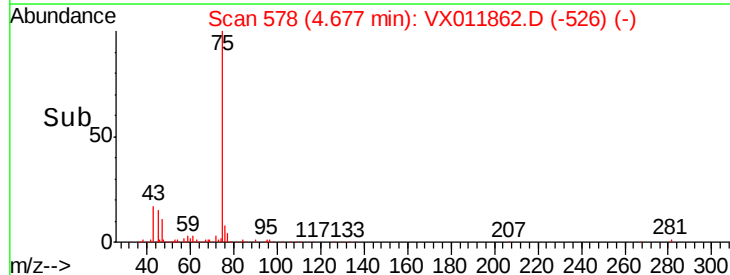
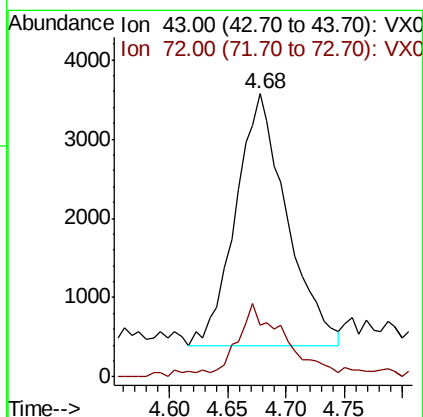
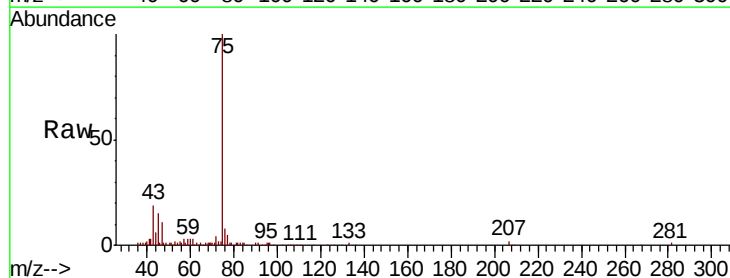
Instrument :
MSVOA_X
ClientSampleId :
TP-8-GW

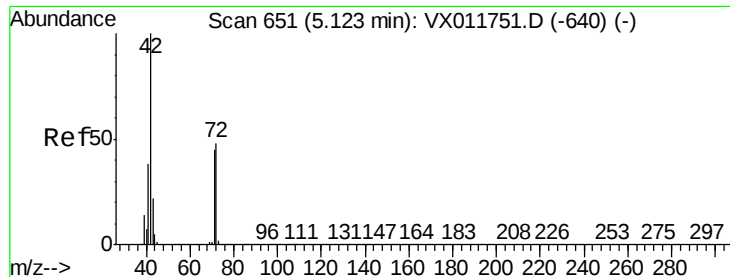
Tgt Ion:	84	Resp:	2376
Ion	Ratio	Lower	Upper
84	100		
49	126.2	88.3	132.5
51	49.2	26.2	39.2#
86	71.4	50.6	76.0



#25
2-Butanone
Concen: 3.802 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.02 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion:	43	Resp:	9704
Ion	Ratio	Lower	Upper
43	100		
72	18.7	21.8	32.6#

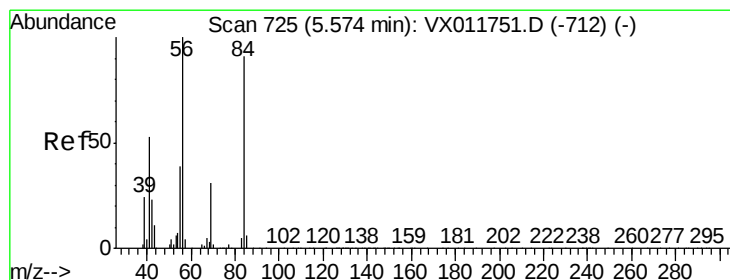
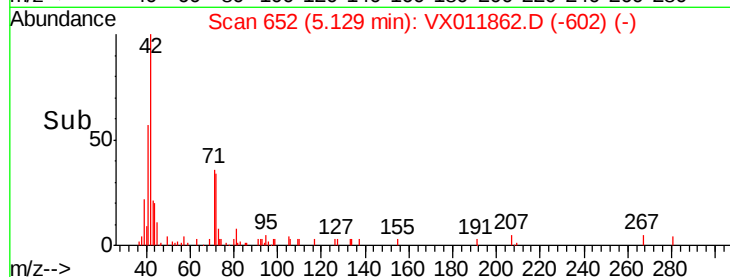
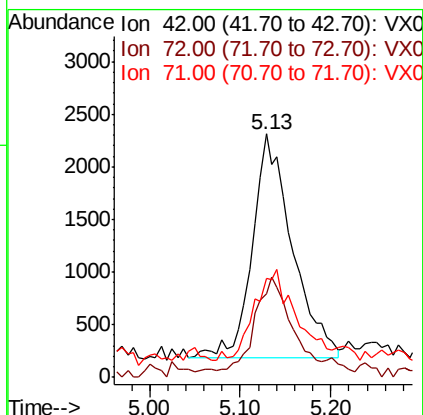
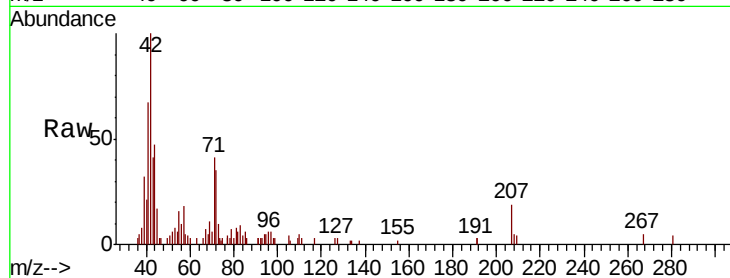




#29
Tetrahydrofuran
Concen: 3.974 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

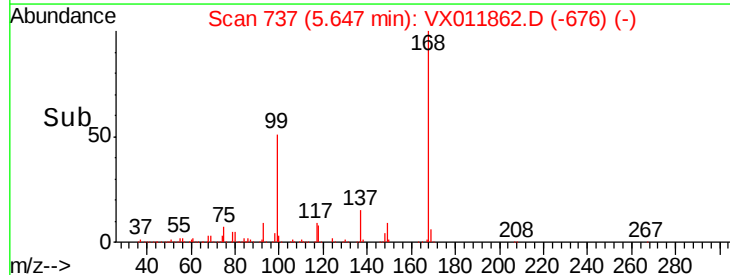
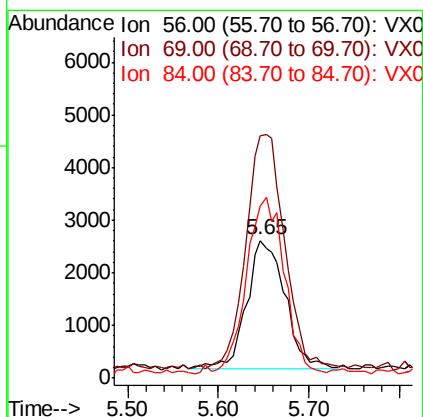
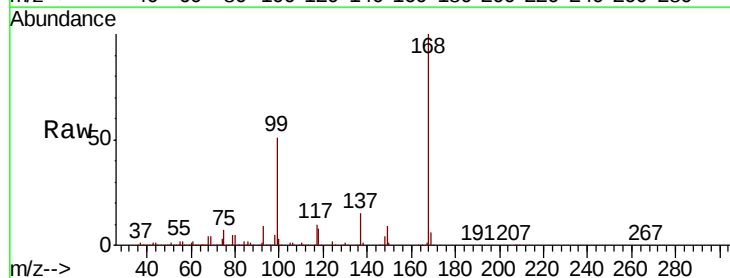
Instrument :
MSVOA_X
ClientSampleId :
TP-8-GW

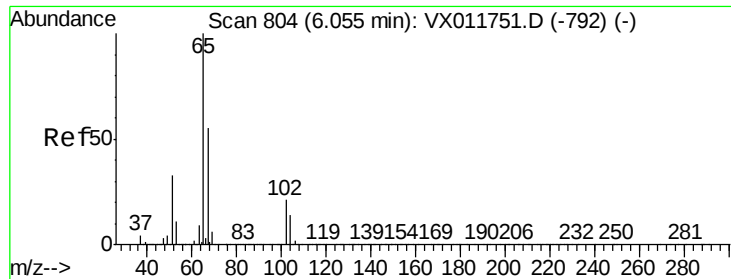
Tgt Ion: 42 Resp: 6501
Ion Ratio Lower Upper
42 100
72 37.3 37.6 56.4#
71 38.5 34.6 51.8



#31
Cyclohexane
Concen: 1.450 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion: 56 Resp: 7286
Ion Ratio Lower Upper
56 100
69 181.7 24.5 36.7#
84 129.8 72.7 109.1#

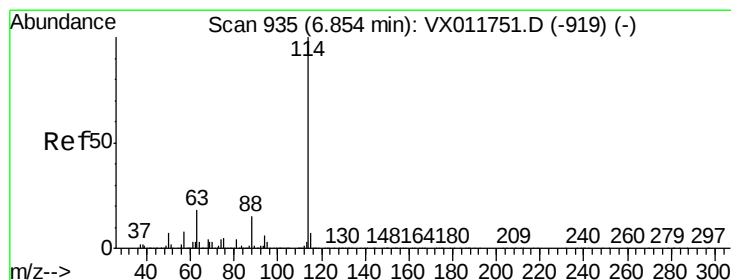
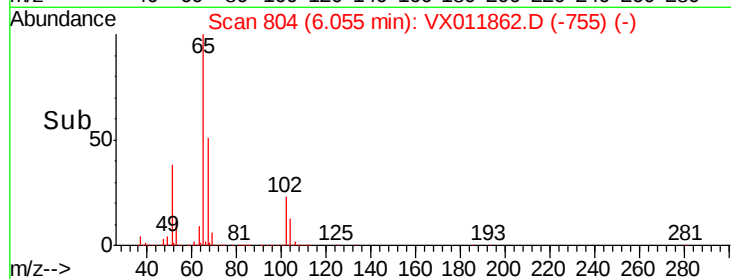
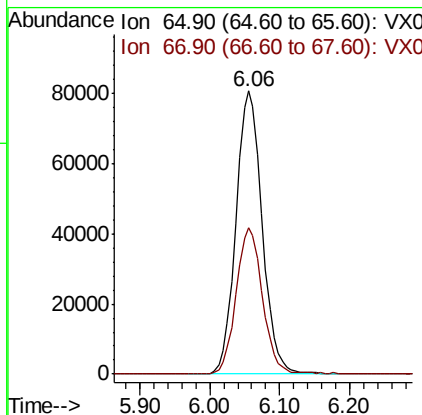
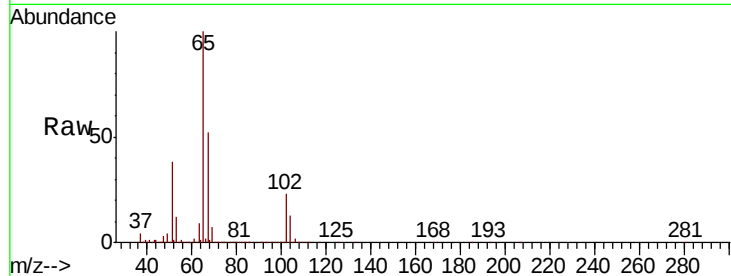




#33
 1,2-Dichloroethane-d4
 Concen: 51.361 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011862.D
 Acq: 27 Aug 2019 19:58

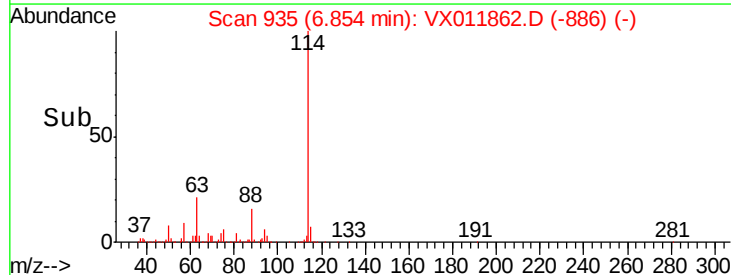
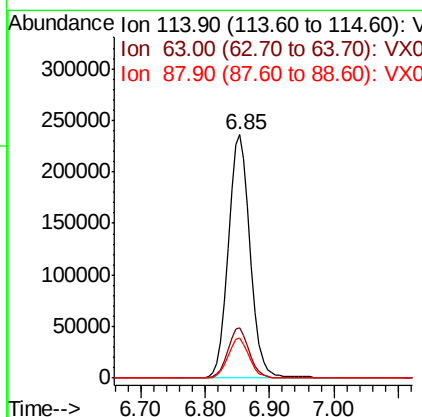
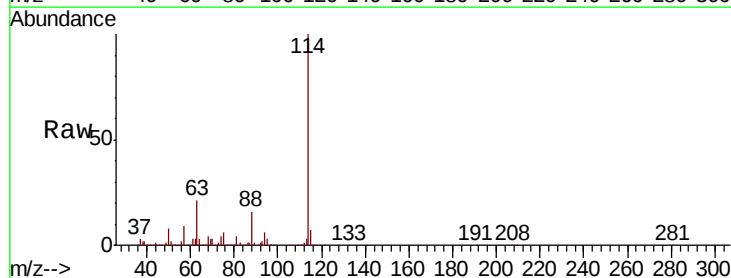
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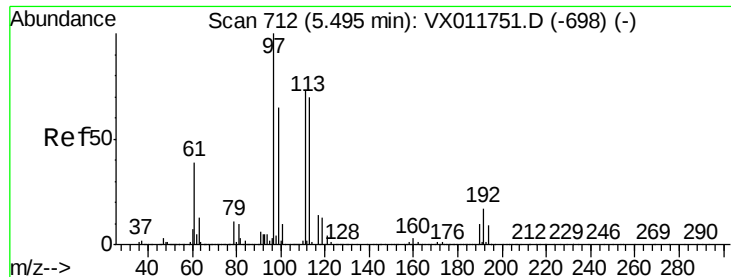
Tgt Ion: 65 Resp: 209930
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011862.D
 Acq: 27 Aug 2019 19:58

Tgt Ion: 114 Resp: 561833
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 36.8
 88 16.2 0.0 30.2

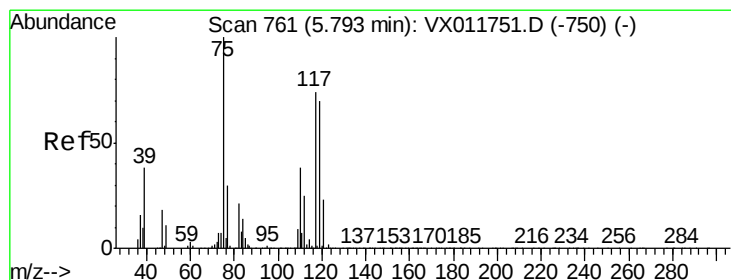
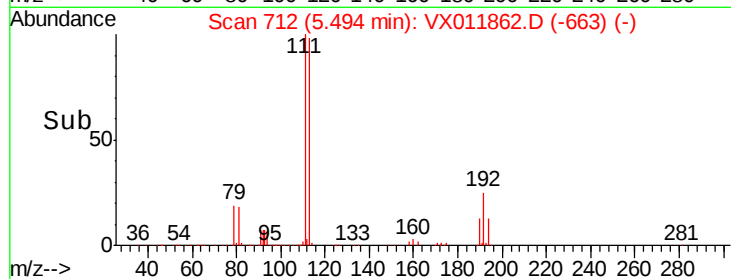
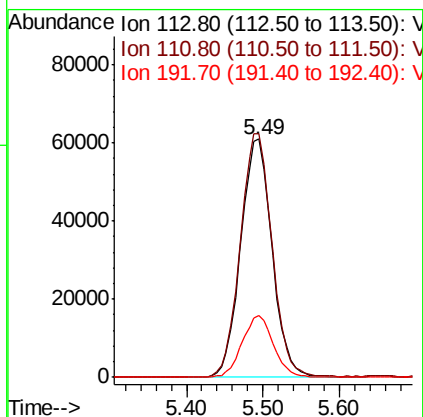
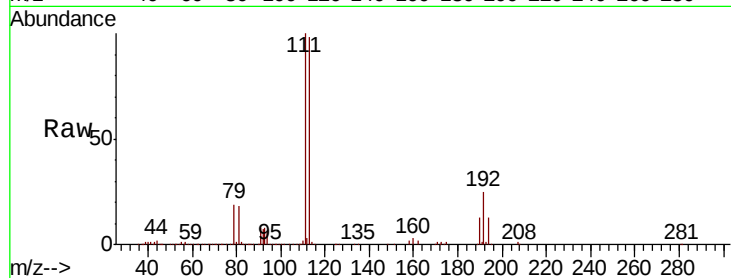




#35
 Dibromofluoromethane
 Concen: 47.925 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011862.D
 Acq: 27 Aug 2019 19:58

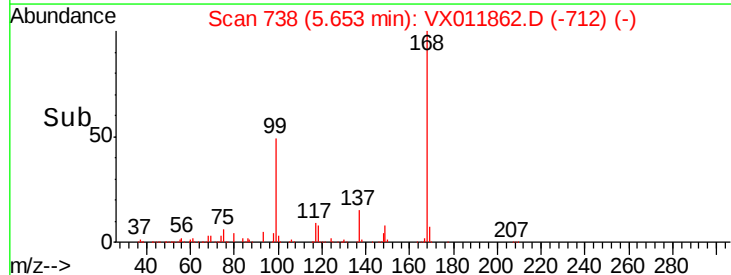
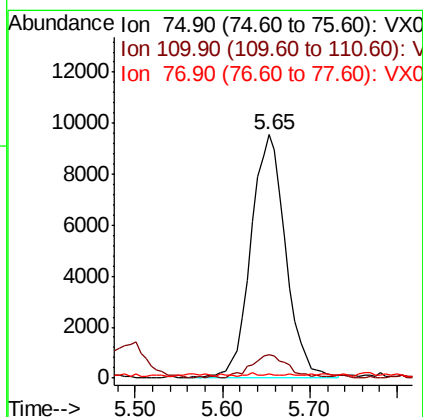
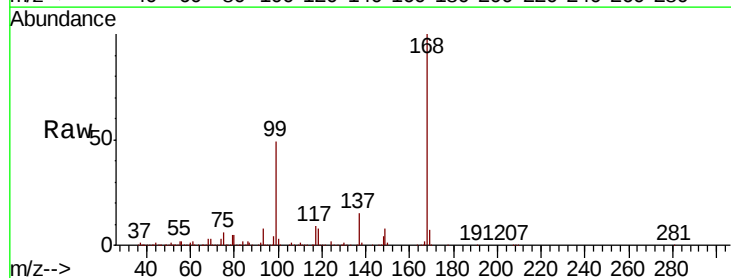
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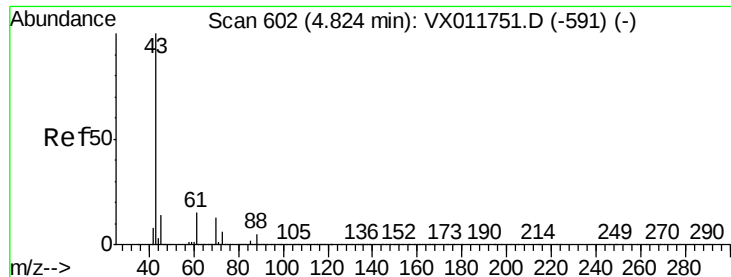
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	25.8	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.993 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011862.D
 Acq: 27 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.0	57.0#
77	0.4	24.6	36.8#

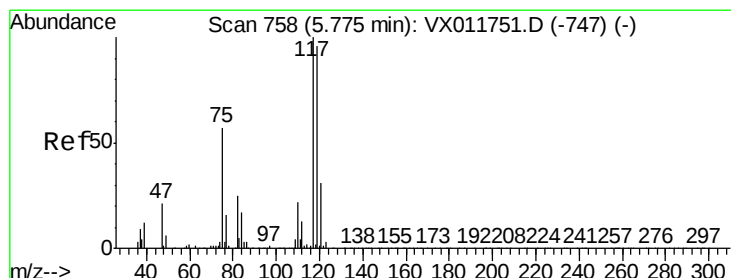
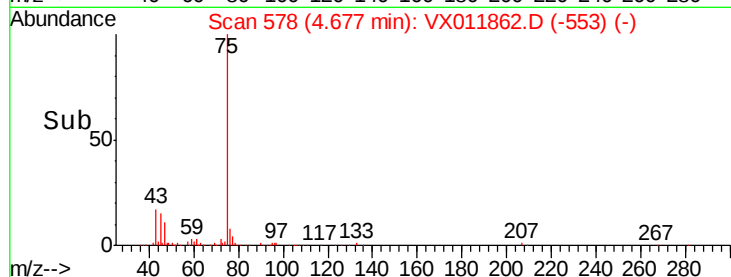
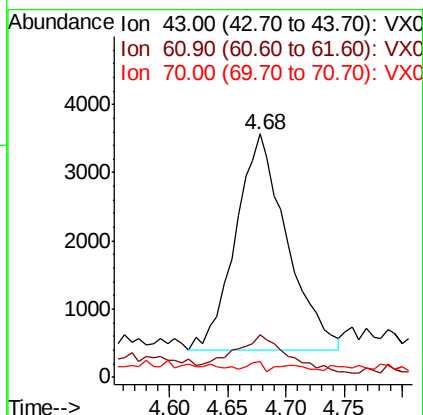
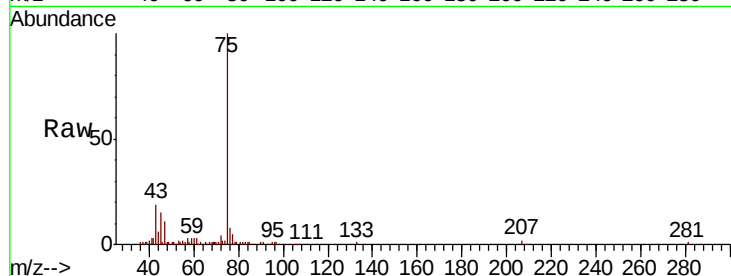




#37
Ethyl Acetate
Concen: 2.081 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.15 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

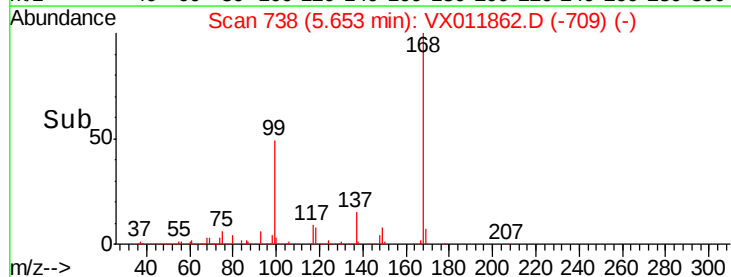
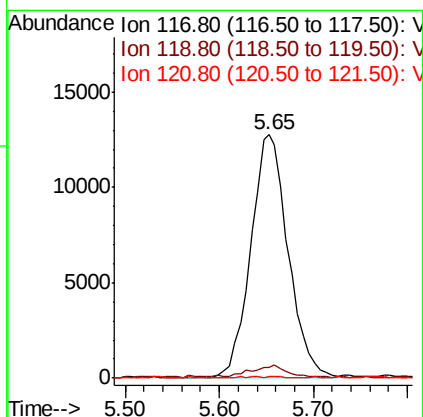
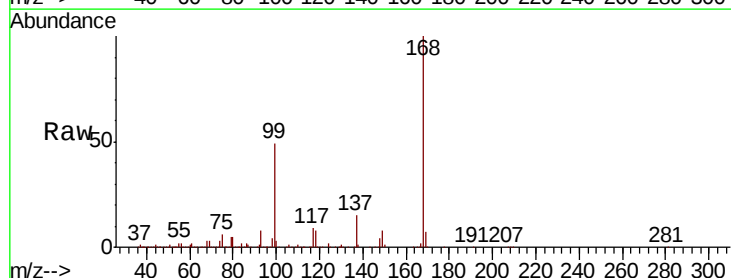
Instrument :
MSVOA_X
ClientSampleId :
TP-8-GW

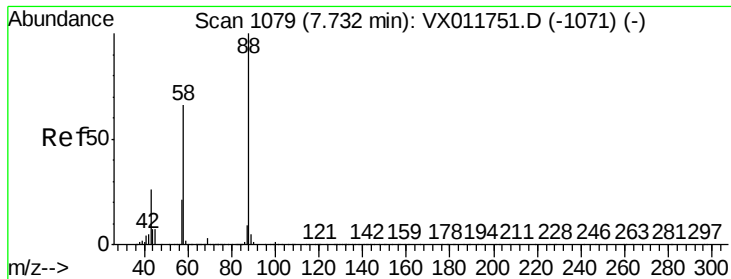
Tgt Ion: 43 Resp: 9704
Ion Ratio Lower Upper
43 100
61 18.6 11.5 17.3#
70 1.2 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 7.101 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.12 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion: 117 Resp: 35454
Ion Ratio Lower Upper
117 100
119 3.8 76.6 114.8#
121 0.0 25.2 37.8#

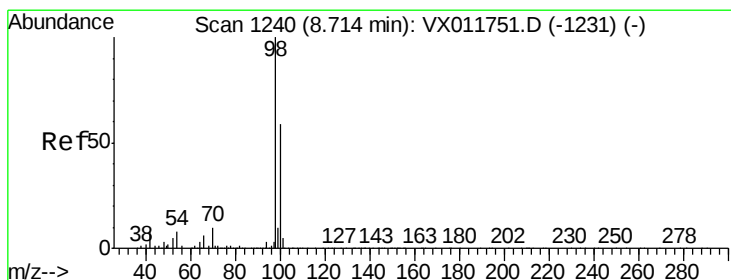
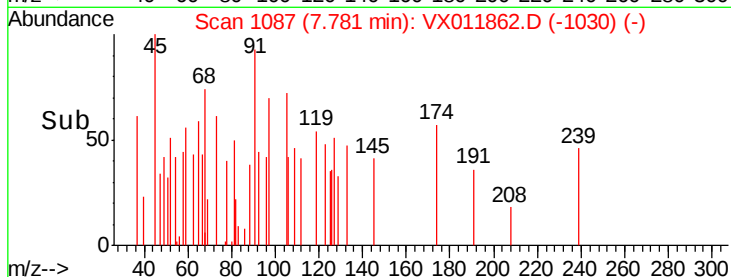
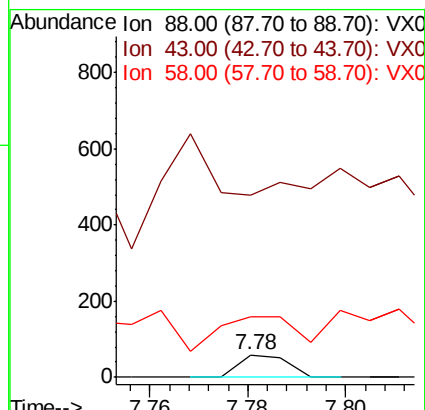
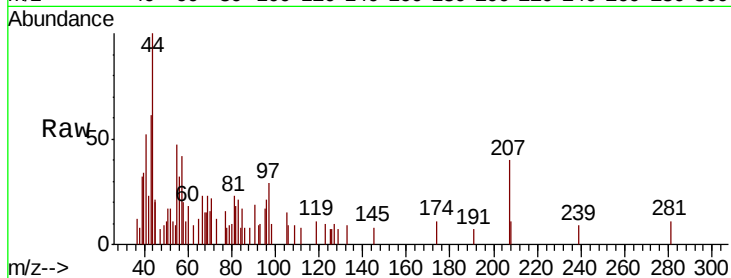




#49
1,4-Dioxane
Concen: 0.394 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.05 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

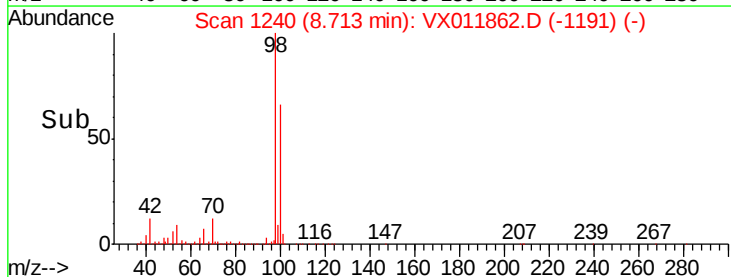
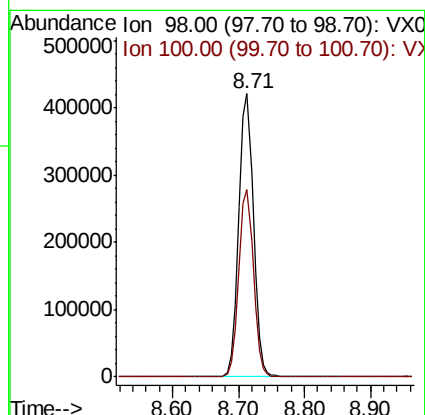
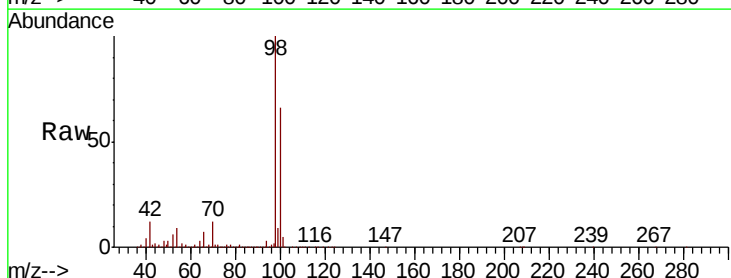
Instrument :
MSVOA_X
ClientSampleId :
TP-8-GW

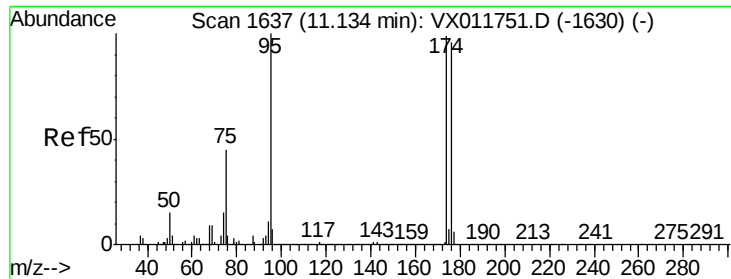
Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 246.3 51.4 77.2#



#50
Toluene-d8
Concen: 50.854 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion: 98 Resp: 644428
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1

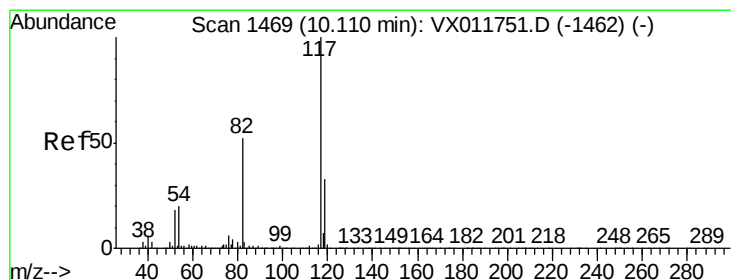
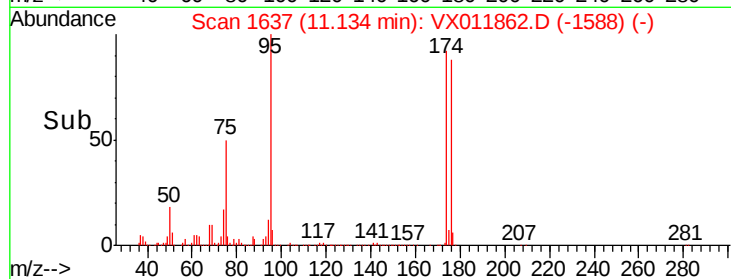
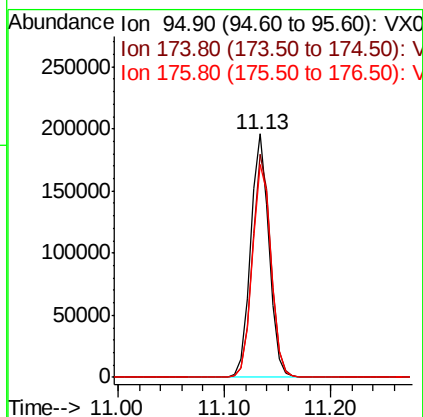
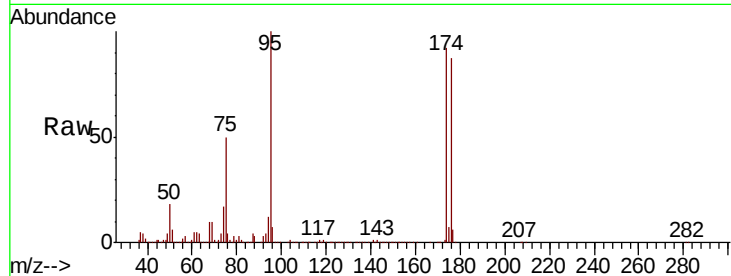




#62
4-Bromofluorobenzene
Concen: 47.454 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

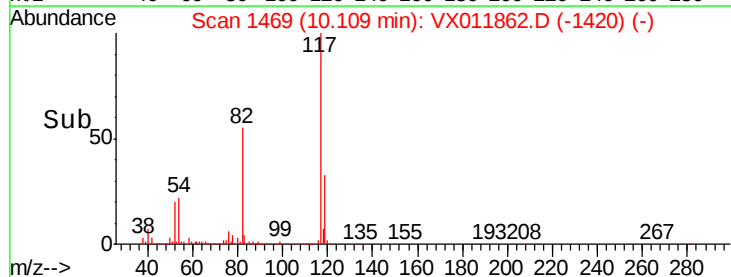
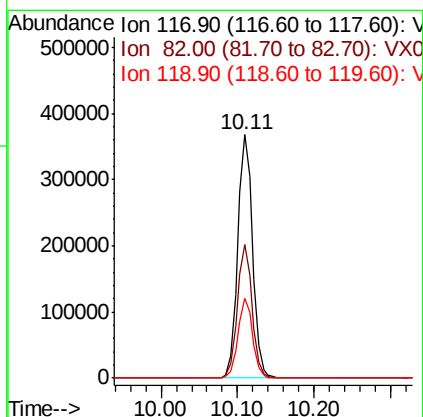
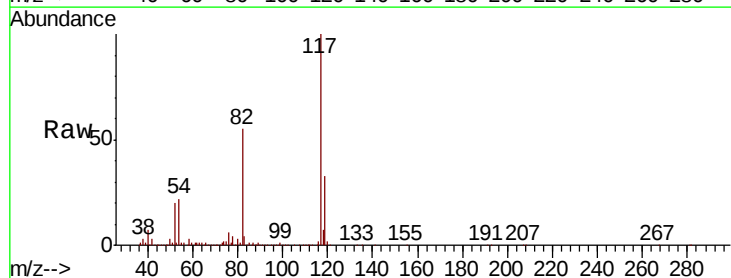
Instrument :
MSVOA_X
ClientSampled :
TP-8-GW

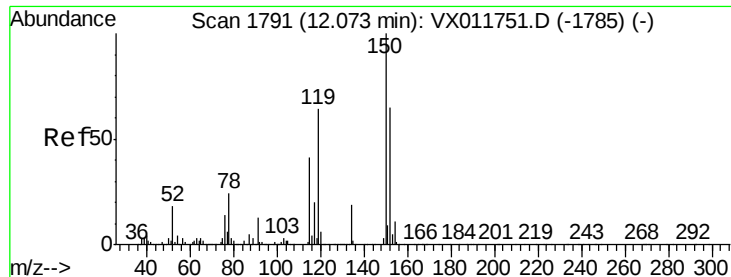
Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	197.4
176	89.5	0.0	194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011862.D
Acq: 27 Aug 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.7	62.5
119	32.9	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: VX011862.D

Acq: 27 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

TP-8-GW

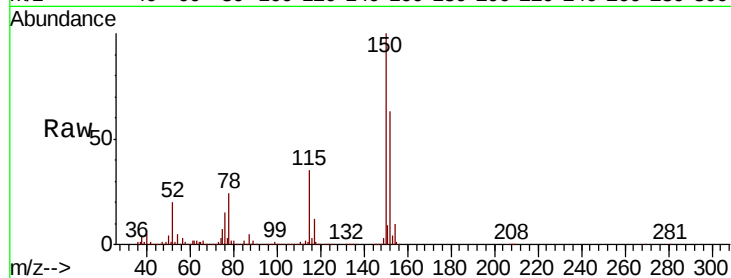
Tgt Ion: 152 Resp: 239014

Ion Ratio Lower Upper

152 100

115 54.9 37.3 111.8

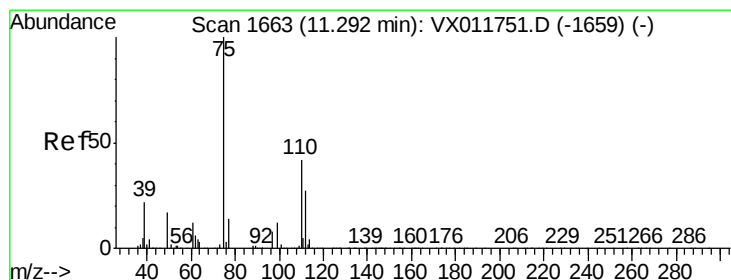
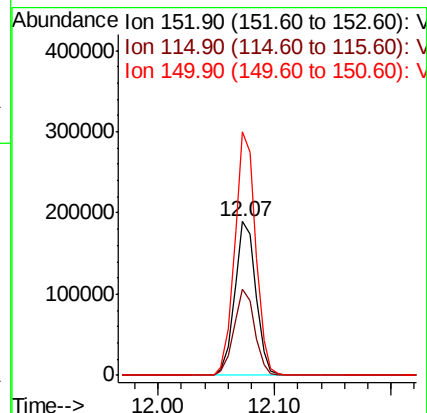
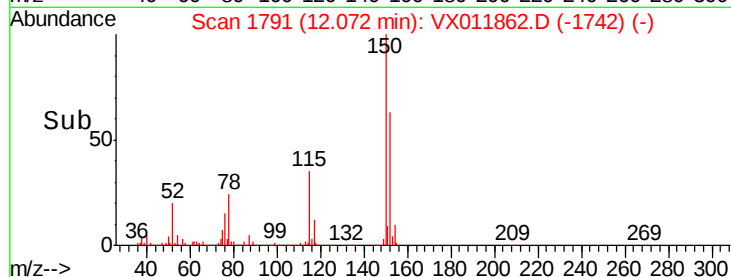
150 156.8 0.0 343.0



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: 28.054 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011862.D

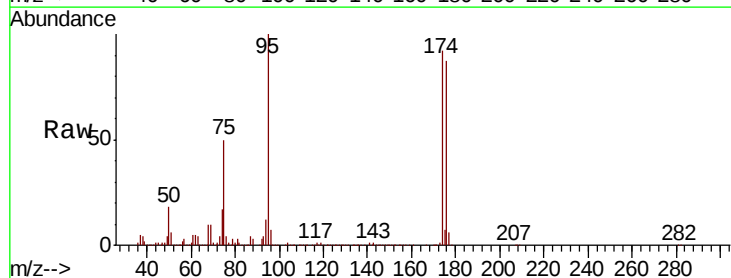
Acq: 27 Aug 2019 19:58

Tgt Ion: 75 Resp: 117659

Ion Ratio Lower Upper

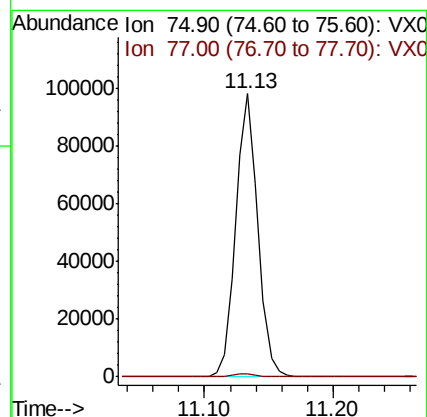
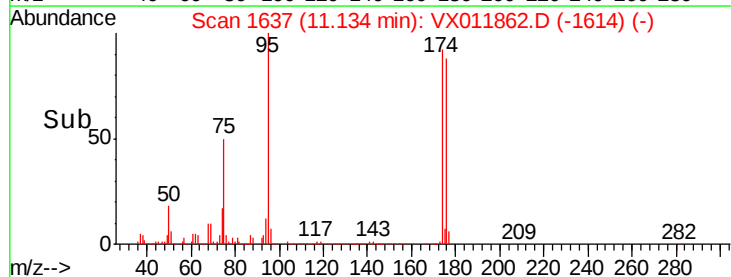
75 100

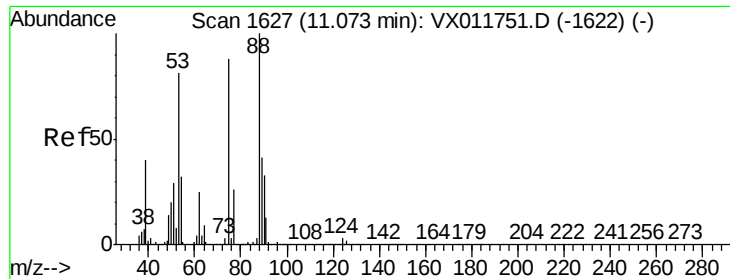
77 1.1 21.1 63.3#



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: 84.607 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011862.D

Acq: 27 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

TP-8-GW

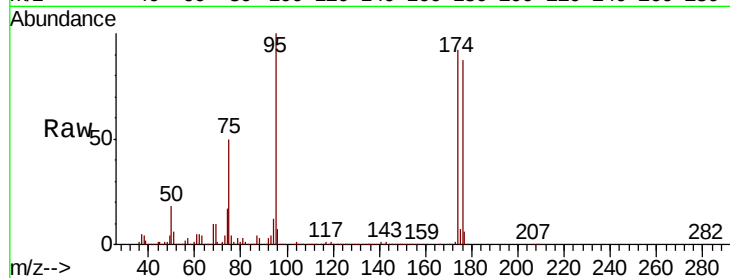
Tgt Ion: 75 Resp: 117659

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.5 57.7#



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

