

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011856.D
 Acq On : 27 Aug 2019 17:37
 Operator : JC/SP
 Sample : K4543-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-GW

Quant Time: Aug 28 02:24:23 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	423328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	580032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	503265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	236890	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	211686	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	180303	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	666344	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	239244	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

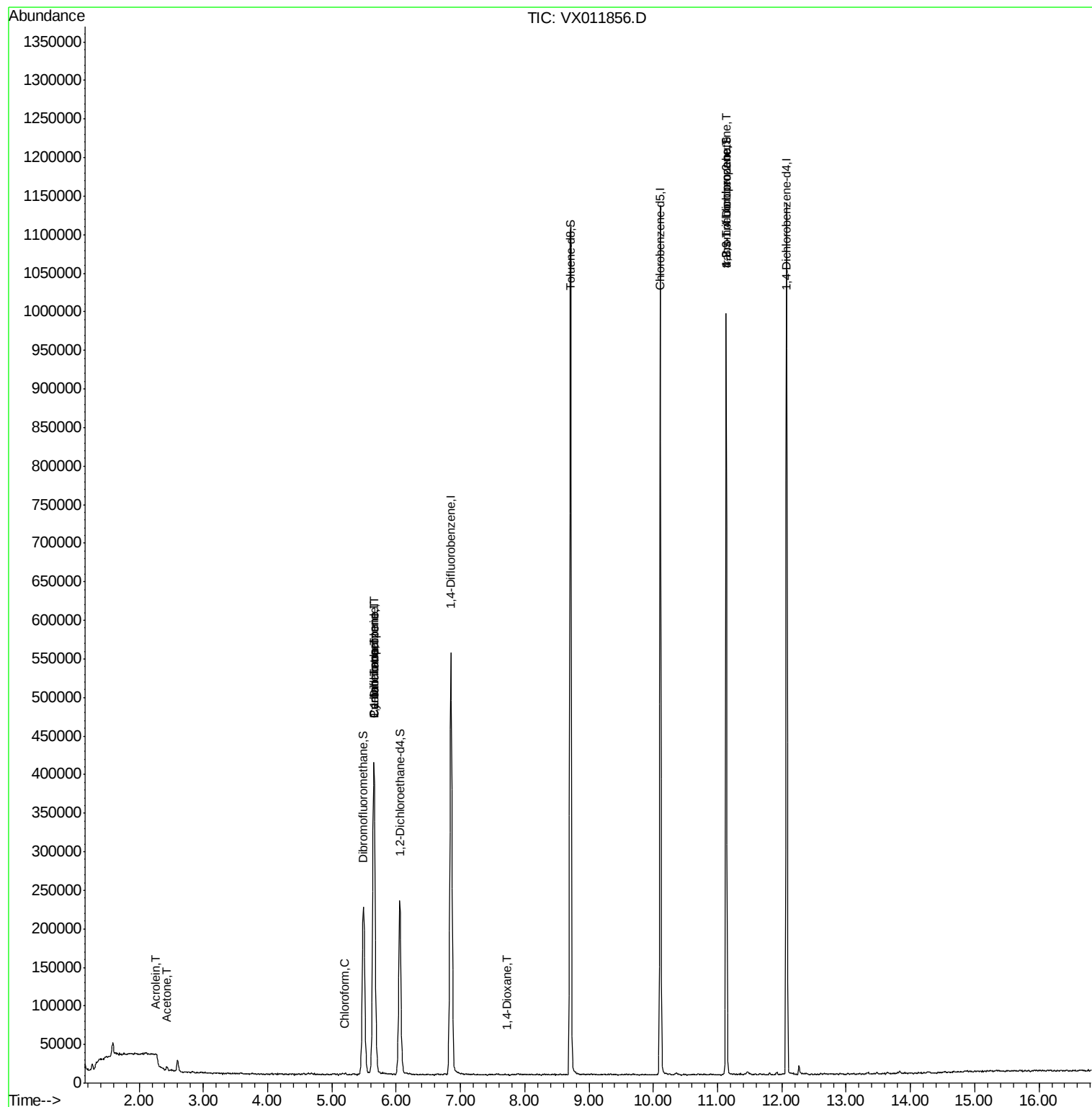
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.25	56	160	0.493	ug/l #	16
16) Acetone	2.43	43	4442	2.401	ug/l	98
30) Chloroform	5.20	83	1619	0.251	ug/l	93
31) Cyclohexane	5.65	56	7501	1.434	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	26788	5.889	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37127	7.202	ug/l #	16
49) 1,4-Dioxane	7.72	88	38	0.354	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	118644	28.543	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	118644	86.080	ug/l #	11

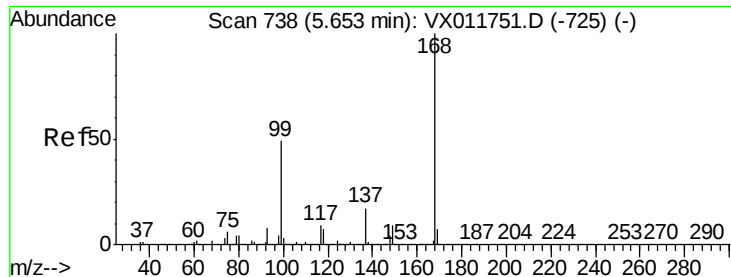
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

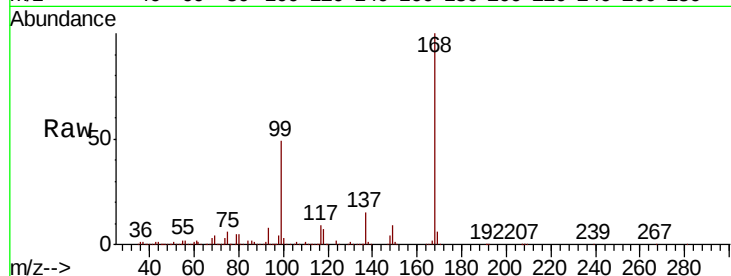
TP-2-GW

Tgt Ion:168 Resp: 423328

Ion Ratio Lower Upper

168 100

99 49.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

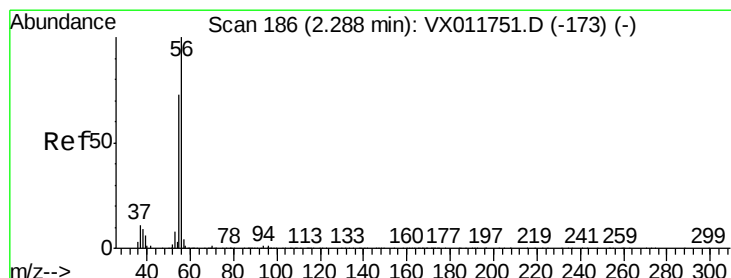
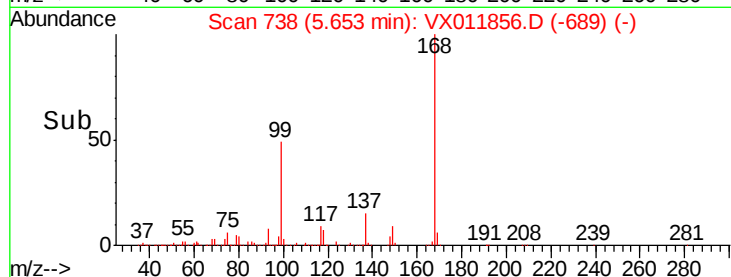
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#13

Acrolein

Concen: 0.493 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX011856.D

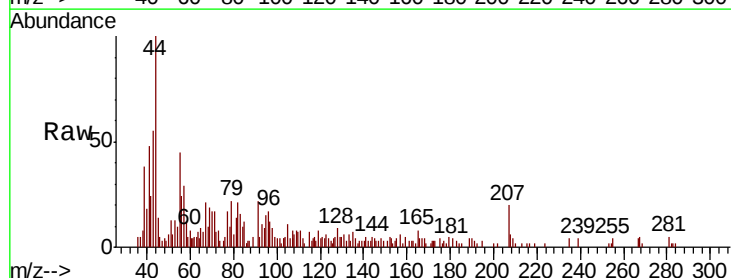
Acq: 27 Aug 2019 17:37

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

1500

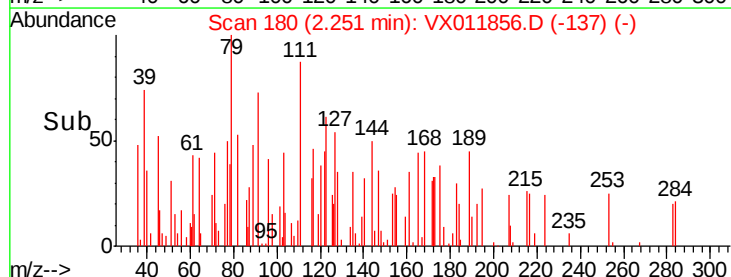
1000

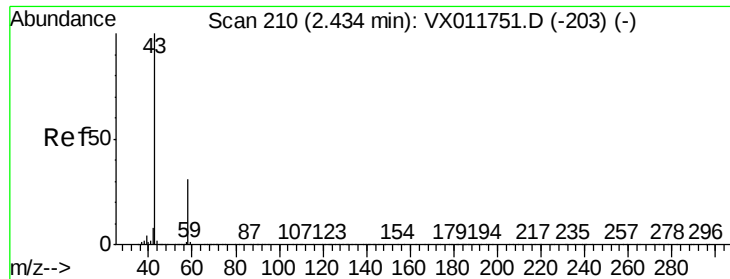
500

0

2.24 2.25 2.26 2.27

Time-->





#16

Acetone

Concen: 2.401 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

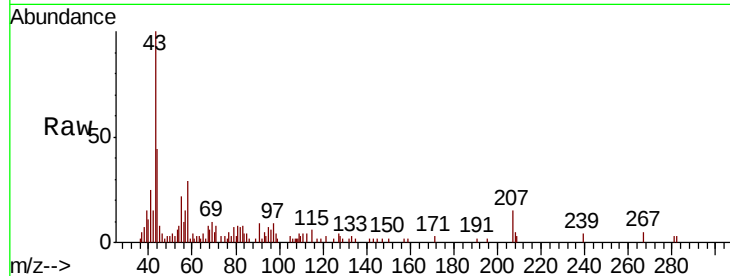
TP-2-GW

Tgt Ion: 43 Resp: 4442

Ion Ratio Lower Upper

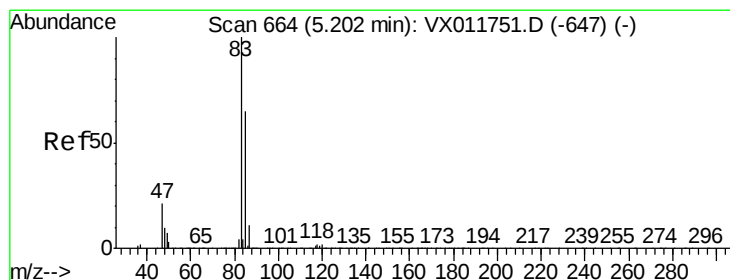
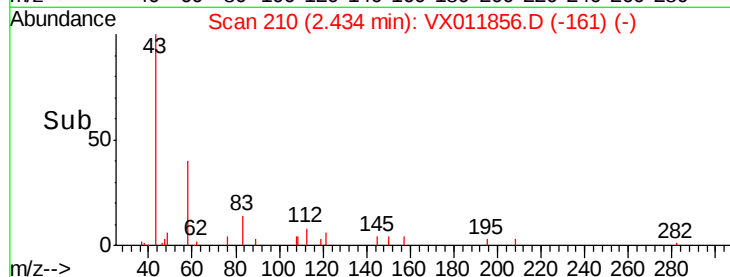
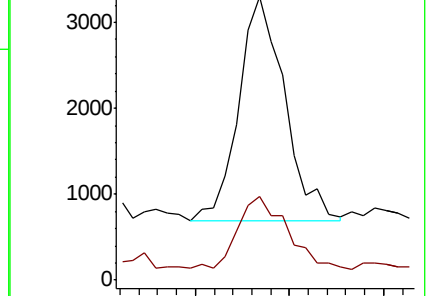
43 100

58 31.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#30

Chloroform

Concen: 0.251 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011856.D

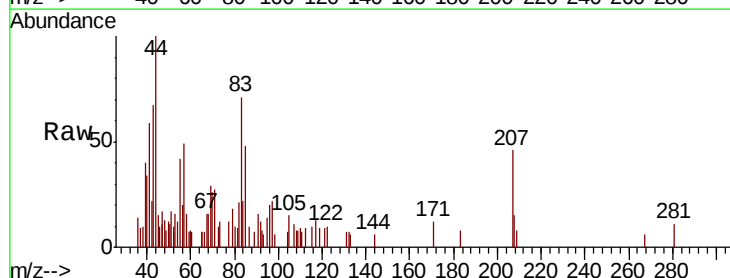
Acq: 27 Aug 2019 17:37

Tgt Ion: 83 Resp: 1619

Ion Ratio Lower Upper

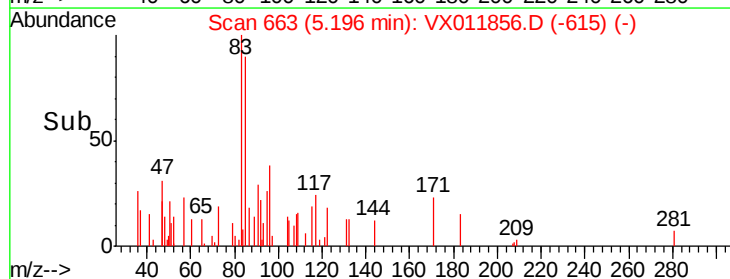
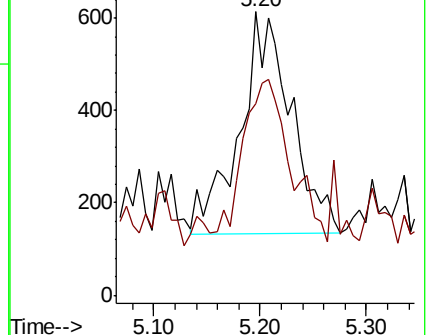
83 100

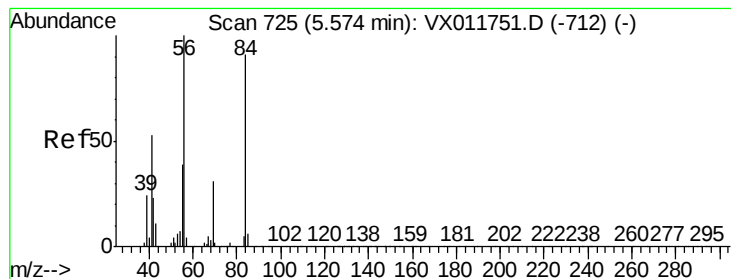
85 59.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.434 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

TP-2-GW

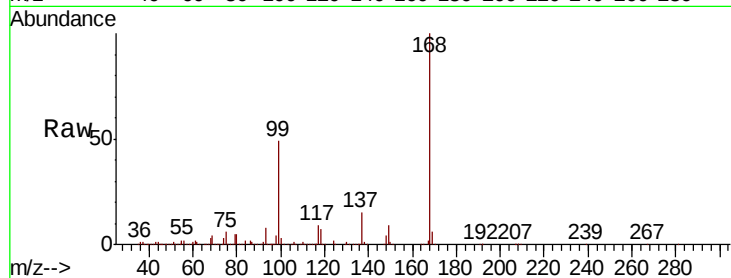
Tgt Ion: 56 Resp: 7501

Ion Ratio Lower Upper

56 100

69 189.0 24.5 36.7#

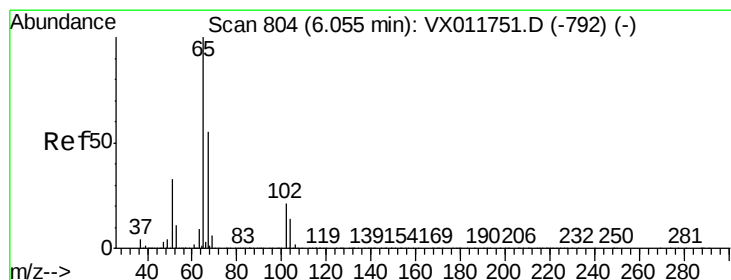
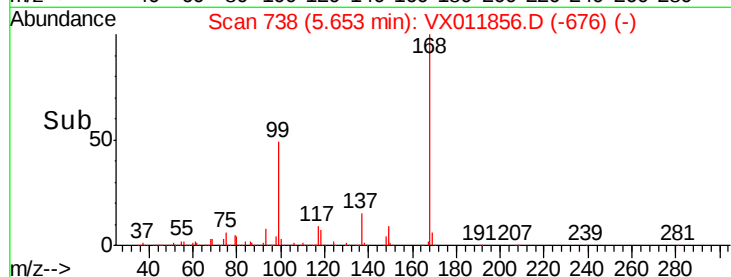
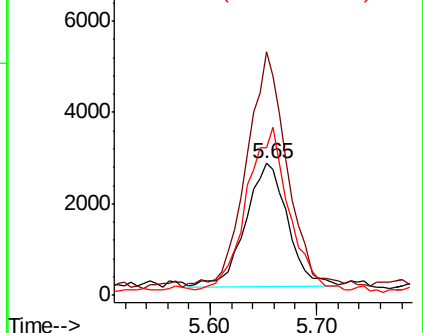
84 115.6 72.7 109.1#



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: 49.778 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011856.D

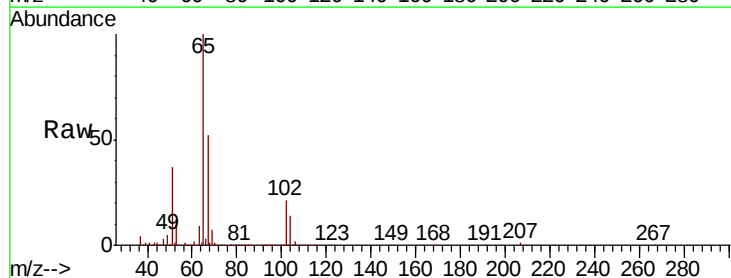
Acq: 27 Aug 2019 17:37

Tgt Ion: 65 Resp: 211686

Ion Ratio Lower Upper

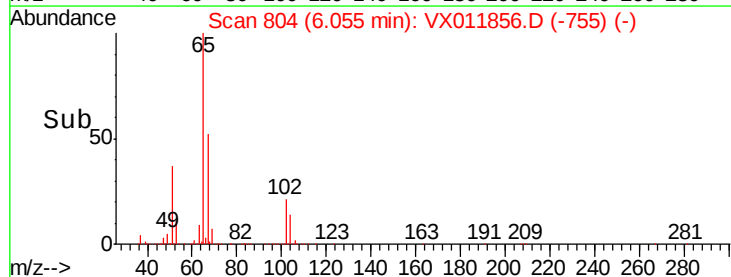
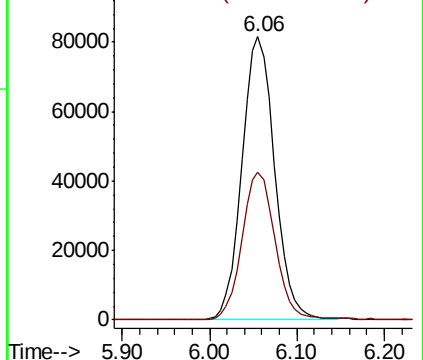
65 100

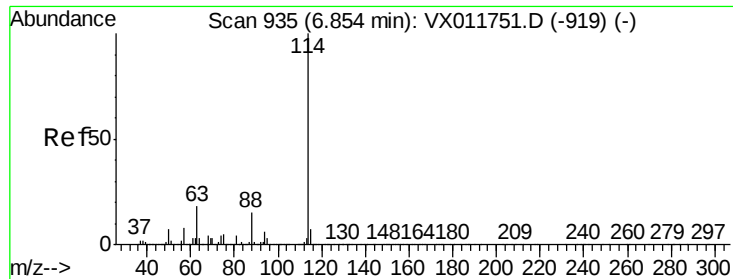
67 51.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

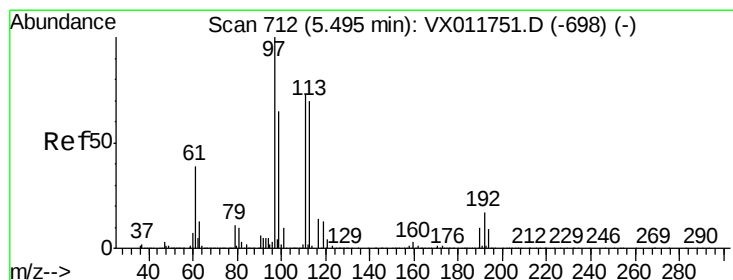
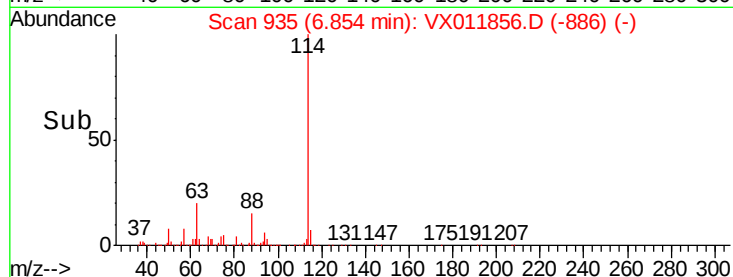
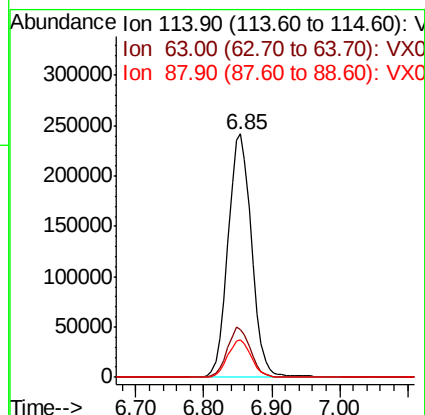
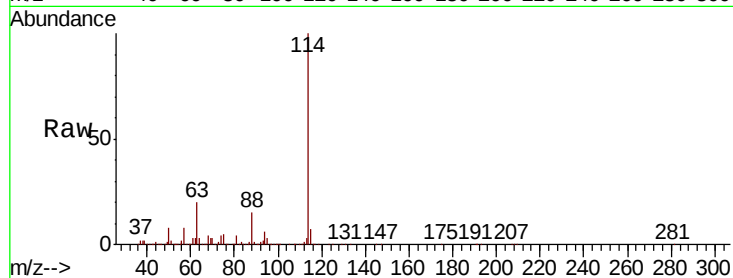




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011856.D
 Acq: 27 Aug 2019 17:37

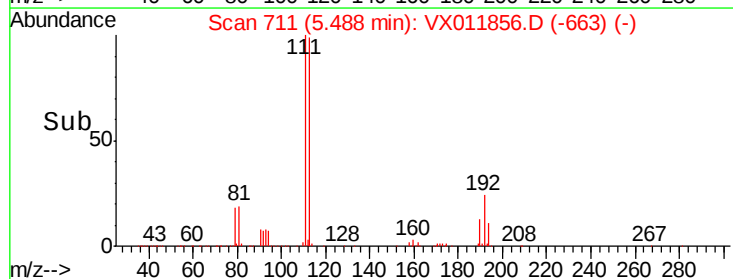
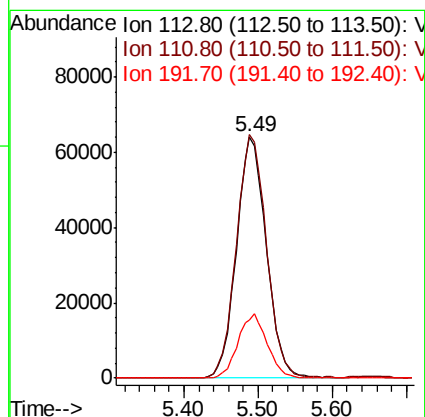
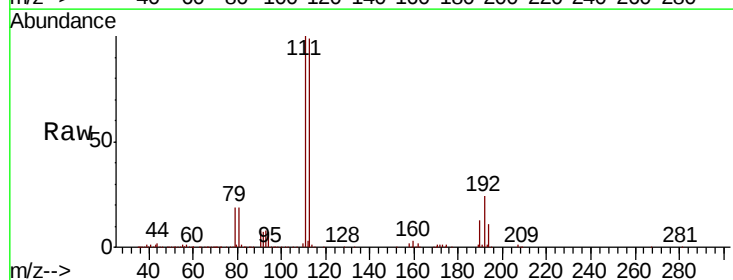
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-GW

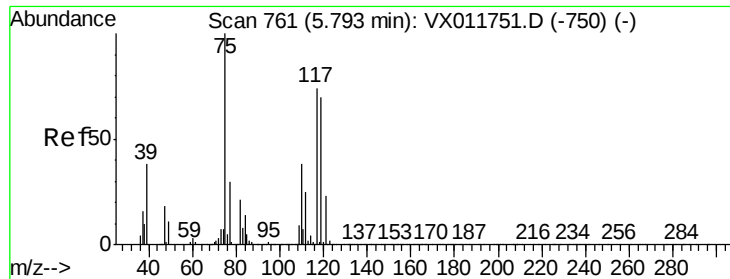
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	36.8
88	15.3	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 48.072 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011856.D
 Acq: 27 Aug 2019 17:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	26.1	19.9	29.9





#36

1,1-Dichloropropene

Concen: 5.889 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

TP-2-GW

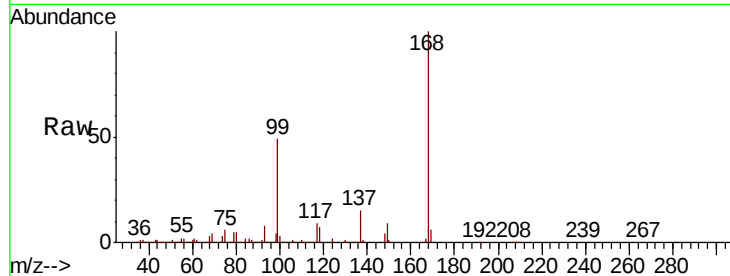
Tgt Ion: 75 Resp: 26788

Ion Ratio Lower Upper

75 100

110 11.4 19.0 57.0#

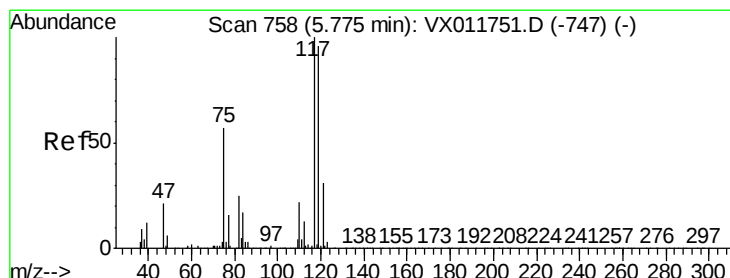
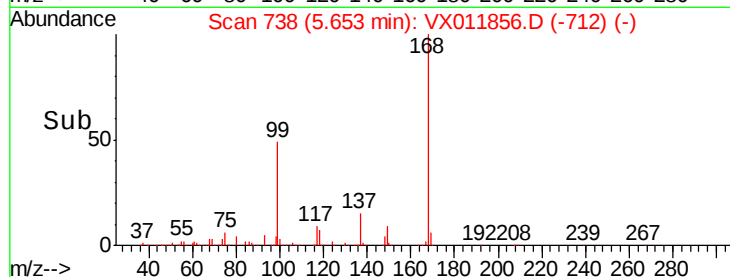
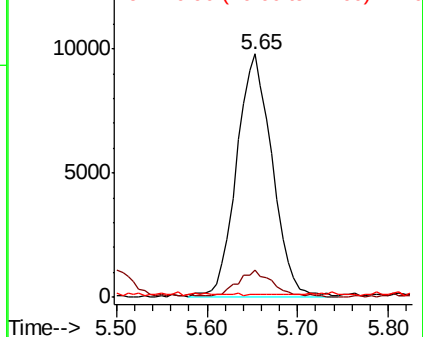
77 0.2 24.6 36.8#



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: 7.202 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

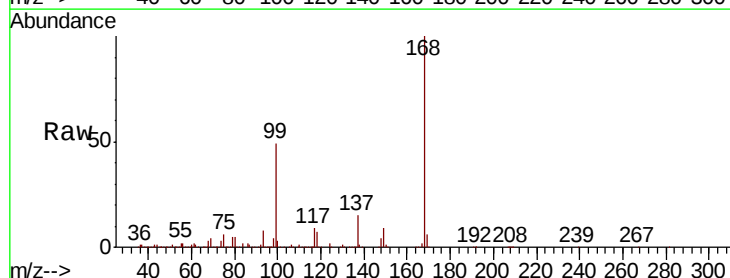
Tgt Ion: 117 Resp: 37127

Ion Ratio Lower Upper

117 100

119 4.4 76.6 114.8#

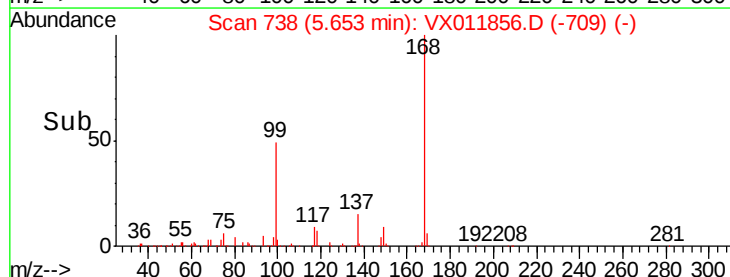
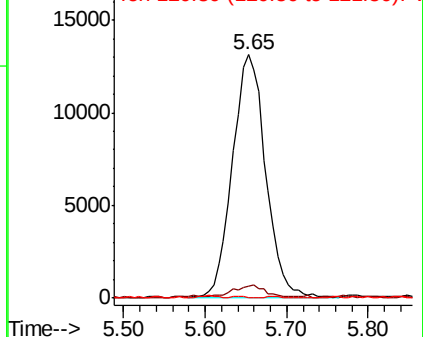
121 0.0 25.2 37.8#

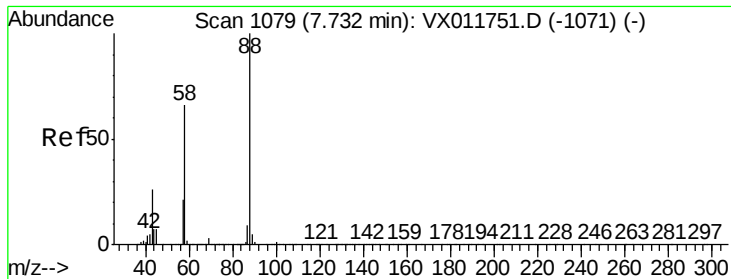


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.354 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

TP-2-GW

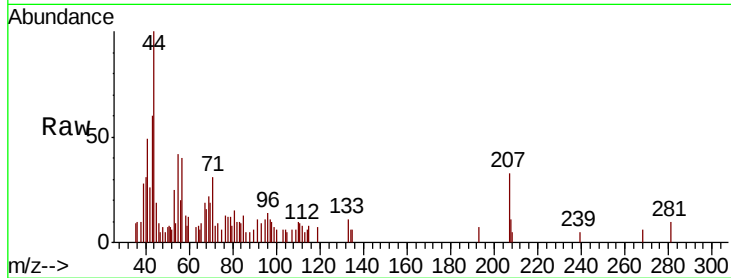
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 1360.5 24.6 37.0#

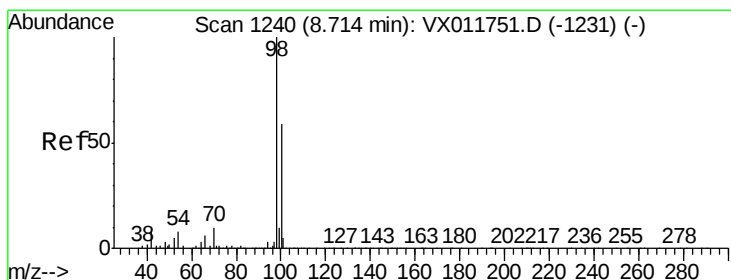
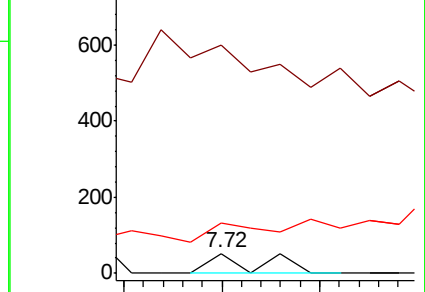
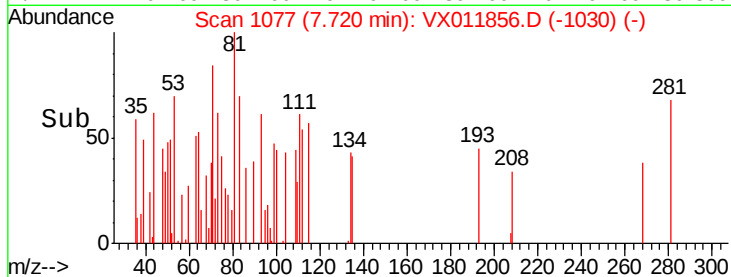
58 110.5 51.4 77.2#



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: 50.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011856.D

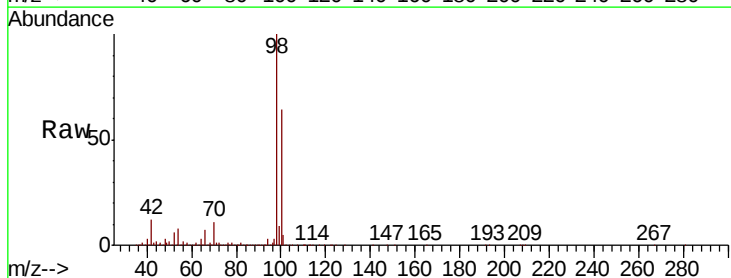
Acq: 27 Aug 2019 17:37

Tgt Ion: 98 Resp: 666344

Ion Ratio Lower Upper

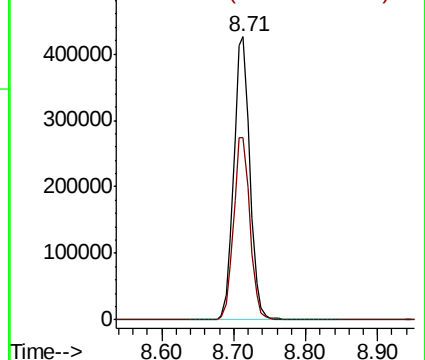
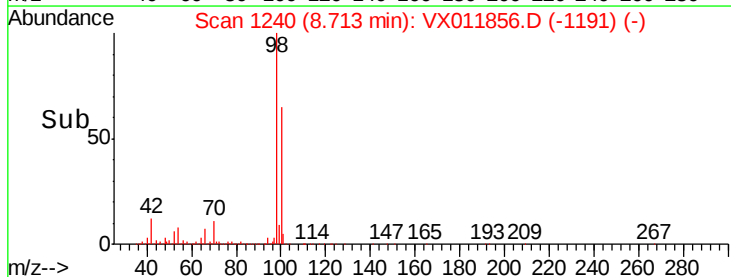
98 100

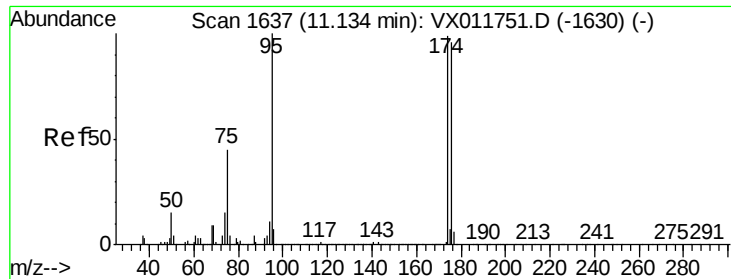
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.266 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

TP-2-GW

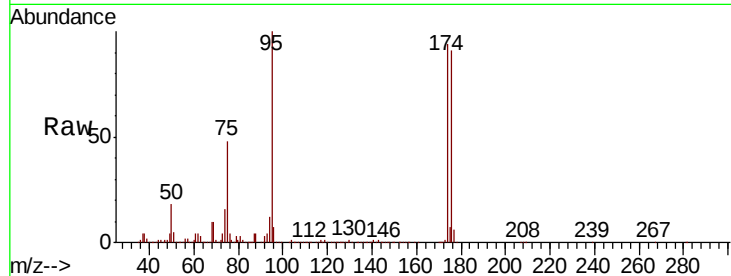
Tgt Ion: 95 Resp: 239244

Ion Ratio Lower Upper

95 100

174 94.3 0.0 197.4

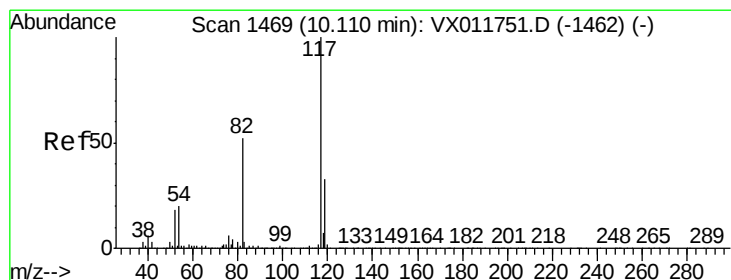
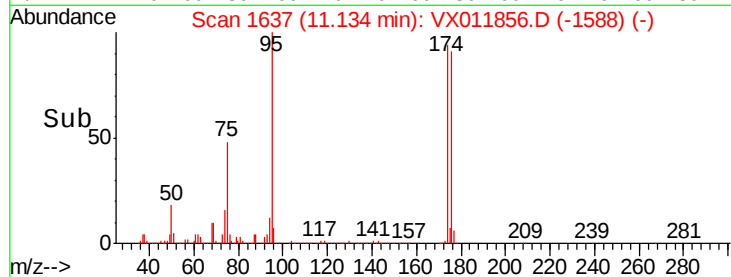
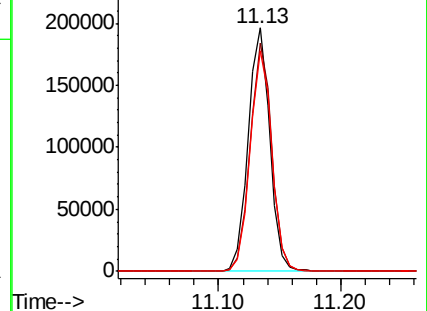
176 91.8 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX011751.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX011751.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX011751.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

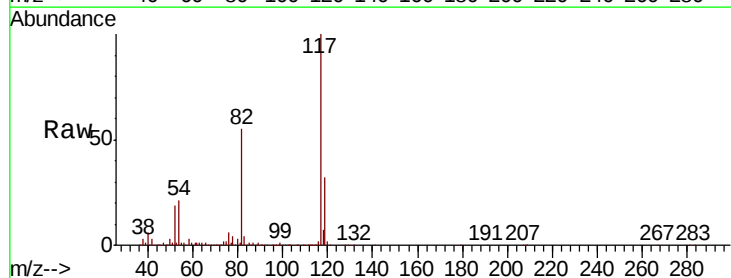
Tgt Ion: 117 Resp: 503265

Ion Ratio Lower Upper

117 100

82 54.5 41.7 62.5

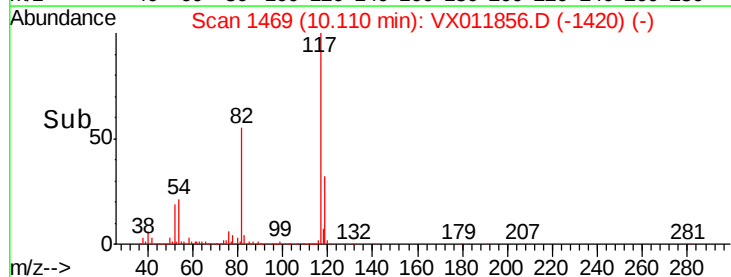
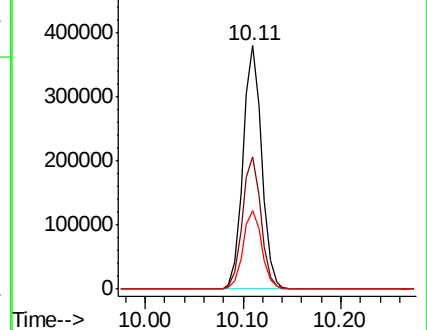
119 32.0 26.2 39.2

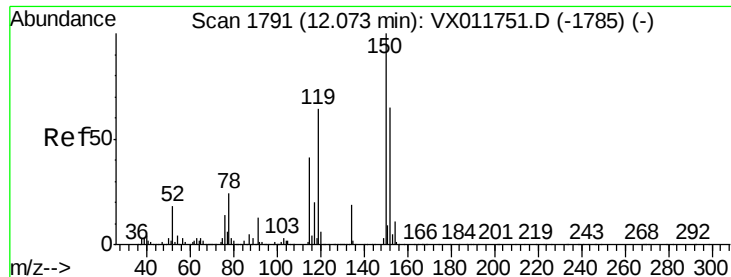


Abundance Ion 116.90 (116.60 to 117.60): VX011751.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011751.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011751.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

TP-2-GW

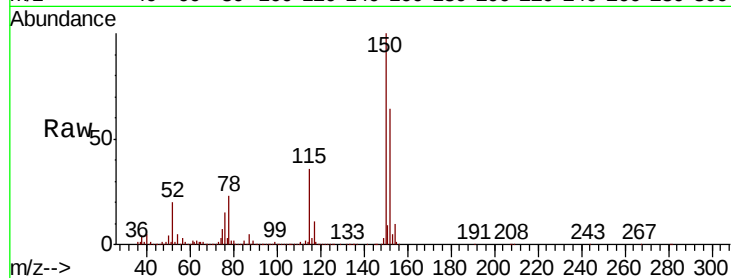
Tgt Ion: 152 Resp: 236890

Ion Ratio Lower Upper

152 100

115 54.9 37.3 111.8

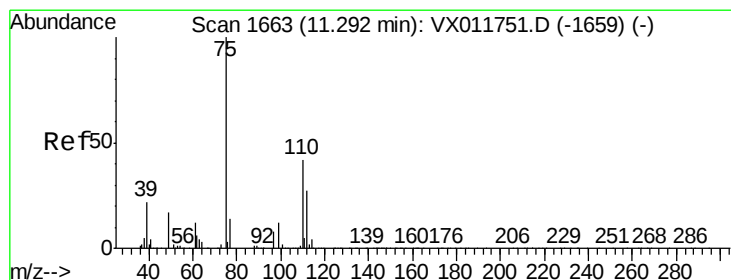
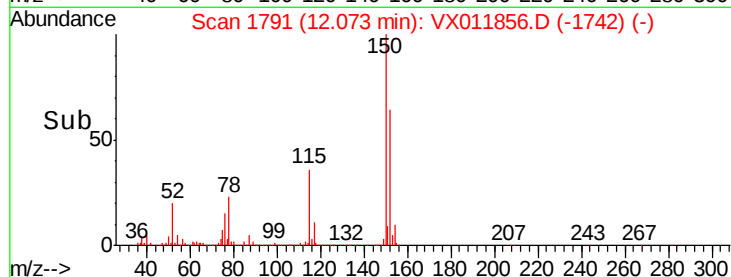
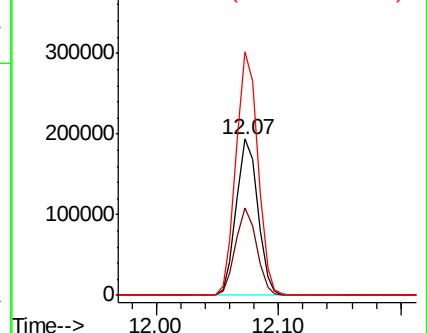
150 156.2 0.0 343.0



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: 28.543 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011856.D

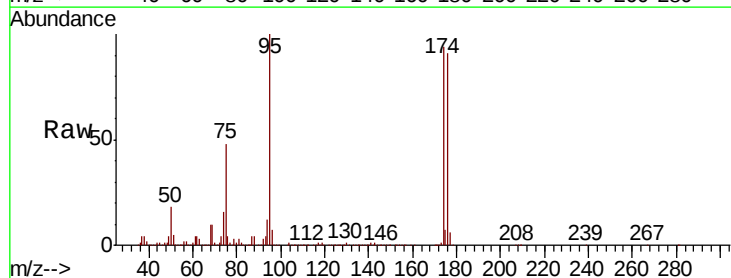
Acq: 27 Aug 2019 17:37

Tgt Ion: 75 Resp: 118644

Ion Ratio Lower Upper

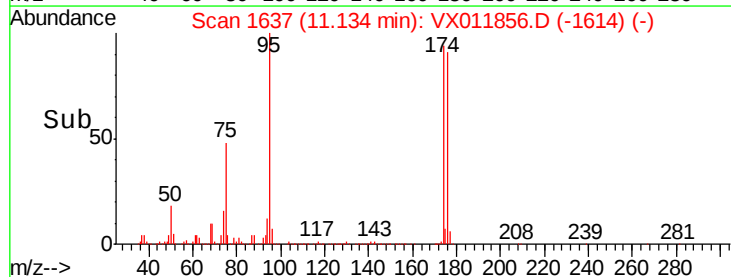
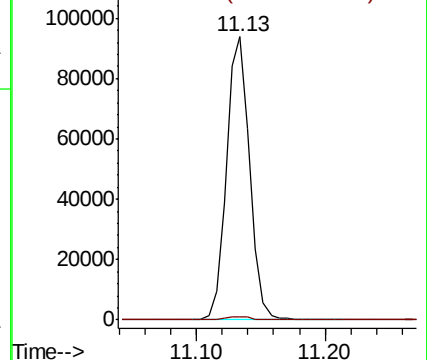
75 100

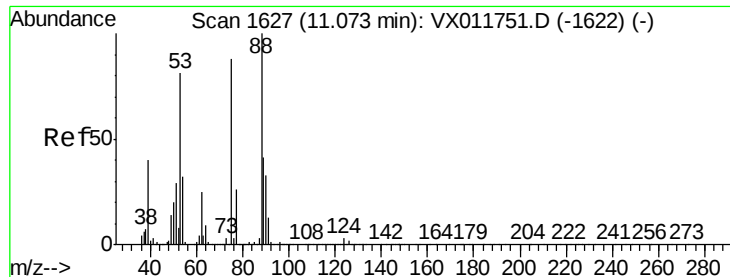
77 1.3 21.1 63.3#



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: 86.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011856.D

Acq: 27 Aug 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

TP-2-GW

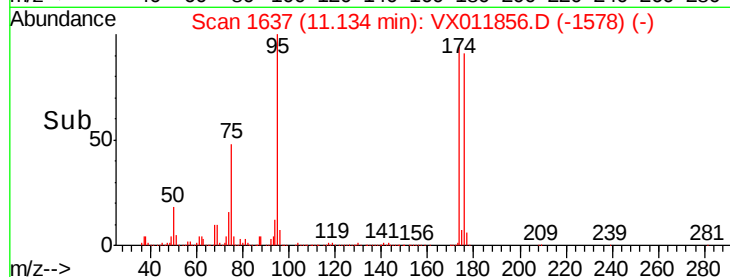
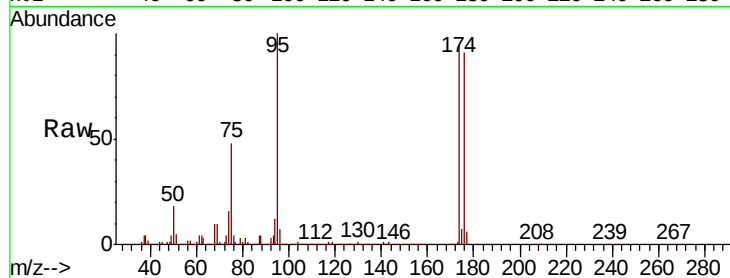
Tgt Ion: 75 Resp: 118644

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.1 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

