

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082719\
 Data File : VX011846.D
 Acq On : 27 Aug 2019 13:43
 Operator : JC/SP
 Sample : K4553-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-RE139D1-GW-20190826

Quant Time: Aug 28 02:21:09 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	427654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	579975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	511674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251106	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	214474	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
35) Dibromofluoromethane	5.49	113	181707	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	668917	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	243446	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	

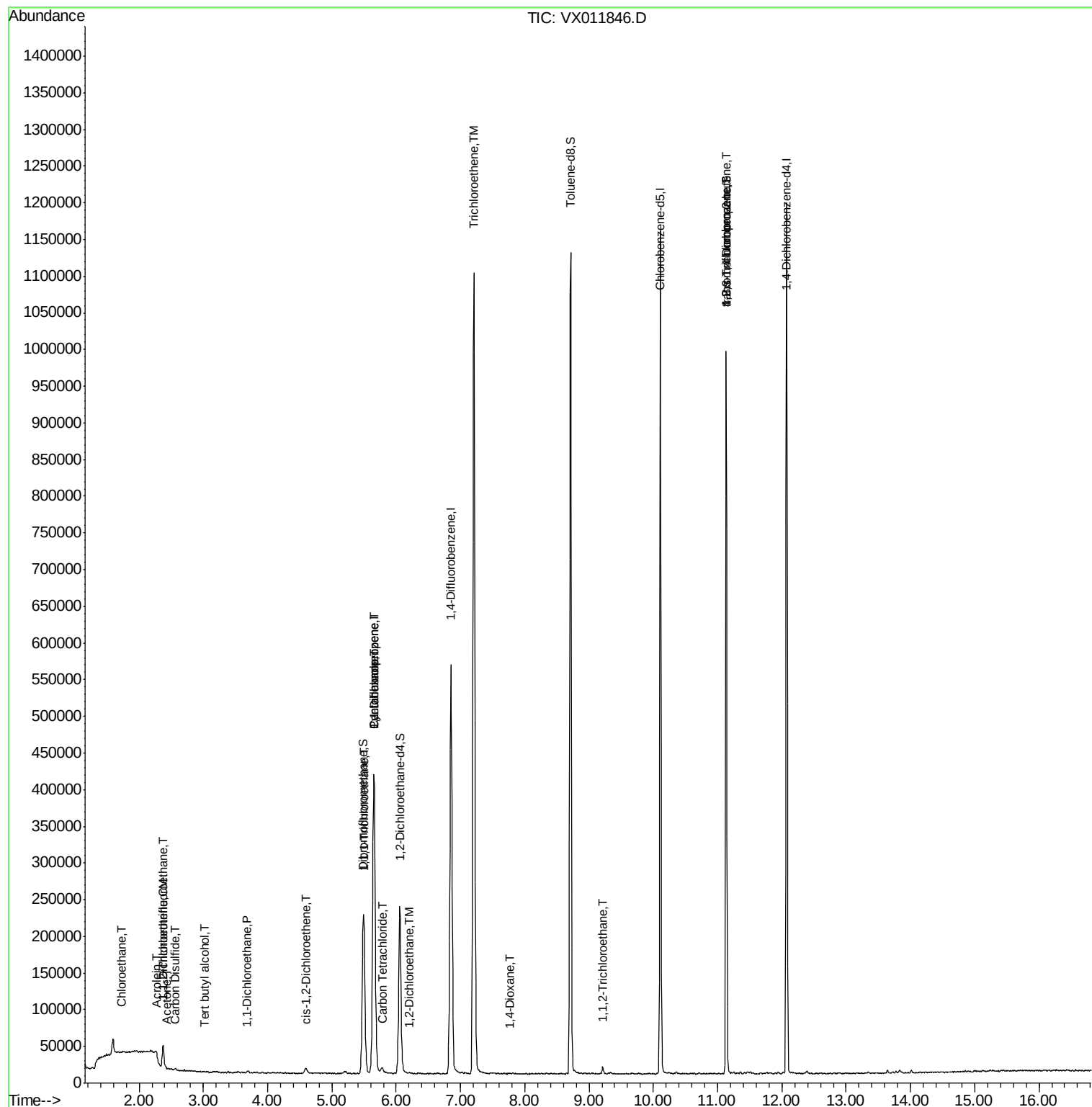
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	441	0.216	ug/l #	47
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7052	2.046	ug/l	95
11) Tert butyl alcohol	3.03	59	622	0.733	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	5622	1.673	ug/l	90
13) Acrolein	2.28	56	420	1.280	ug/l #	16
16) Acetone	2.43	43	576	0.308	ug/l	91
17) Carbon Disulfide	2.56	76	2103	0.247	ug/l	97
24) 1,1-Dichloroethane	3.69	63	2186	0.363	ug/l #	87
27) cis-1,2-Dichloroethene	4.59	96	4144	0.997	ug/l	91
31) Cyclohexane	5.65	56	6863	1.299	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	1200	0.212	ug/l #	25
36) 1,1-Dichloropropene	5.65	75	27087	5.956	ug/l #	51
38) Carbon Tetrachloride	5.79	117	5084	0.986	ug/l #	91
42) 1,2-Dichloroethane	6.21	62	1464	0.285	ug/l	88
44) Trichloroethene	7.21	130	434006	100.071	ug/l	98
49) 1,4-Dioxane	7.76	88	413	3.845	ug/l #	85
55) 1,1,2-Trichloroethane	9.21	97	2722	0.718	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	120496	27.347	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	120496	82.474	ug/l #	11

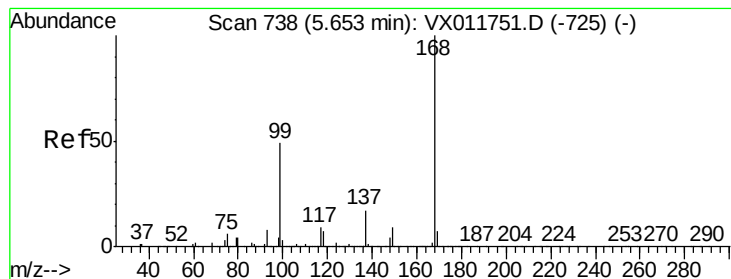
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
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: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

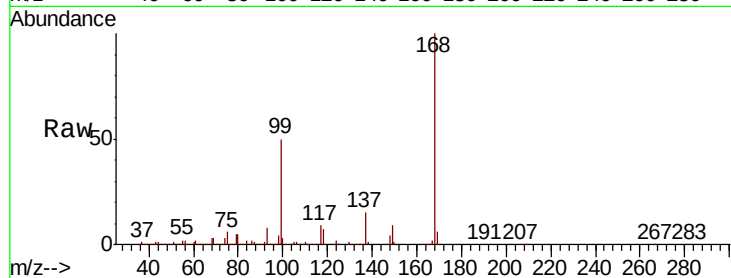
BP-TT-RE139D1-GW-20190826

Tgt Ion:168 Resp: 427654

Ion Ratio Lower Upper

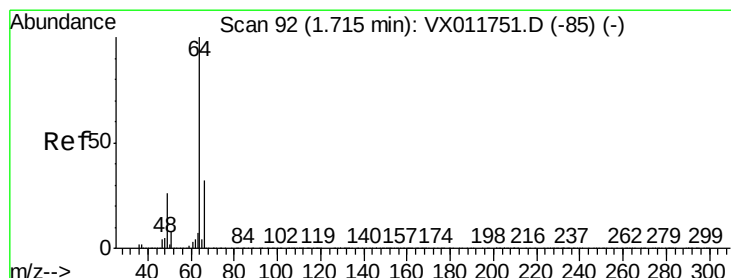
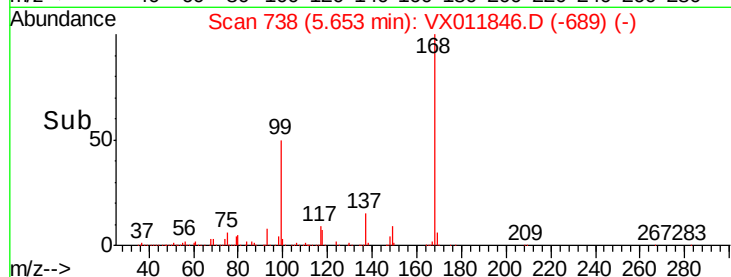
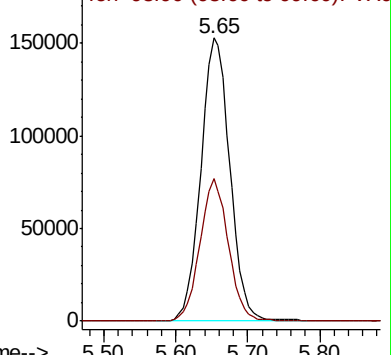
168 100

99 50.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011846.D

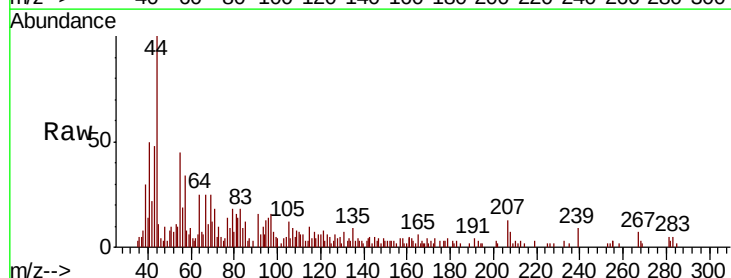
Acq: 27 Aug 2019 13:43

Tgt Ion: 64 Resp: 441

Ion Ratio Lower Upper

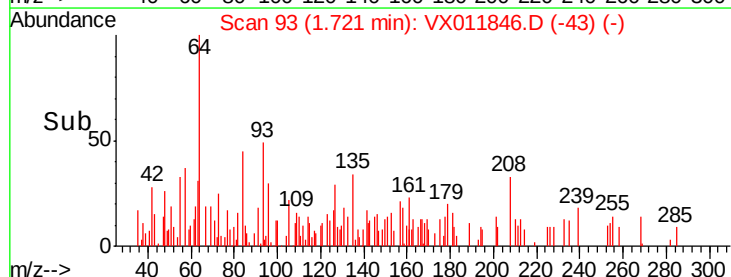
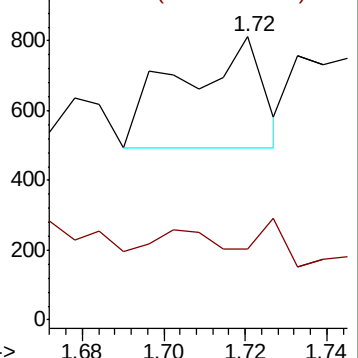
64 100

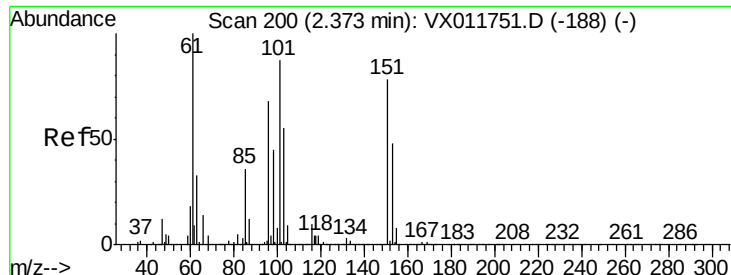
66 1.9 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.046 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

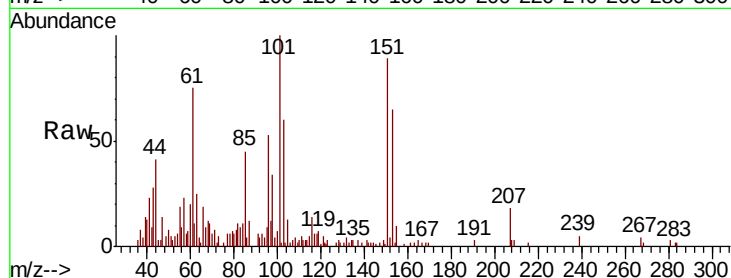
Tgt Ion:101 Resp: 7052

Ion Ratio Lower Upper

101 100

85 48.3 33.7 50.5

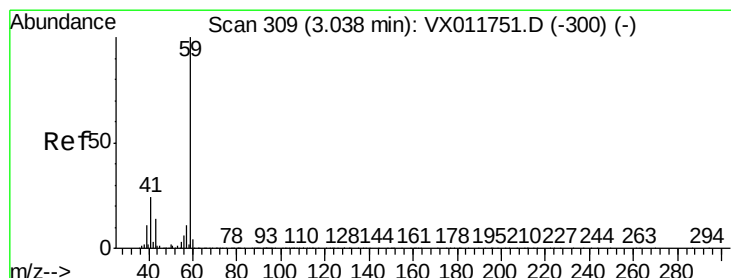
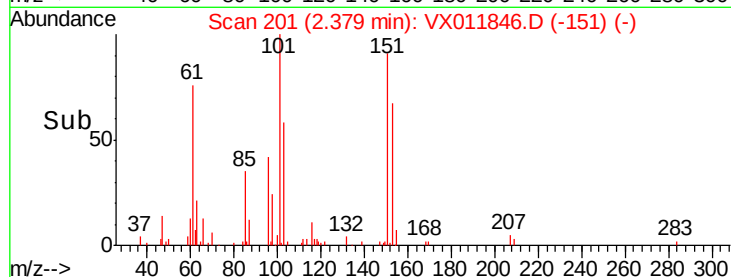
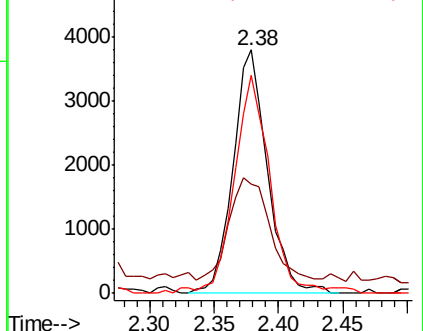
151 92.4 71.4 107.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.733 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX011846.D

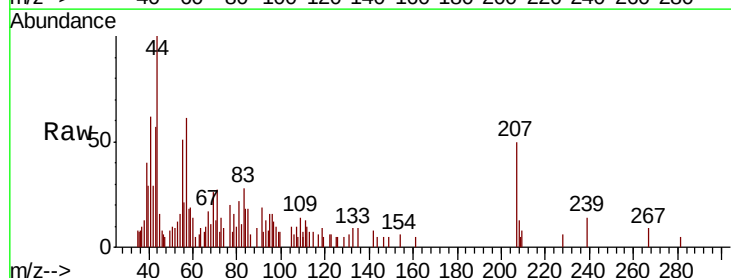
Acq: 27 Aug 2019 13:43

Tgt Ion: 59 Resp: 622

Ion Ratio Lower Upper

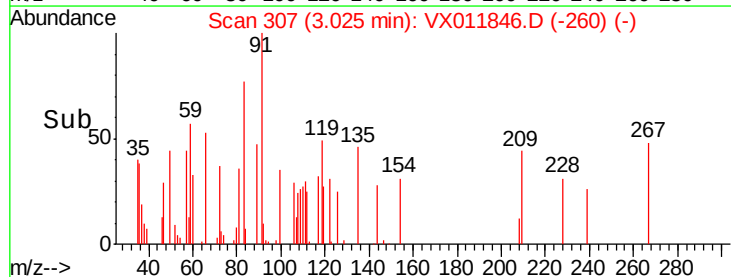
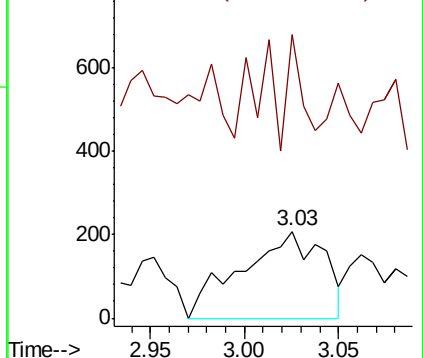
59 100

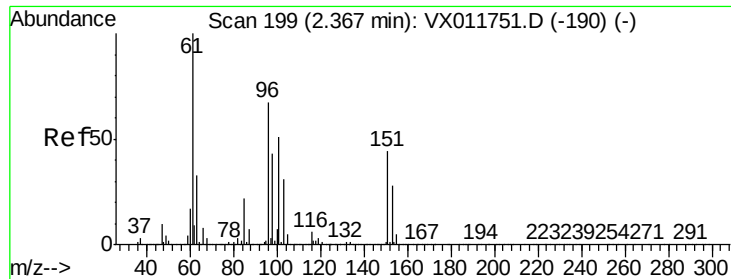
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.673 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

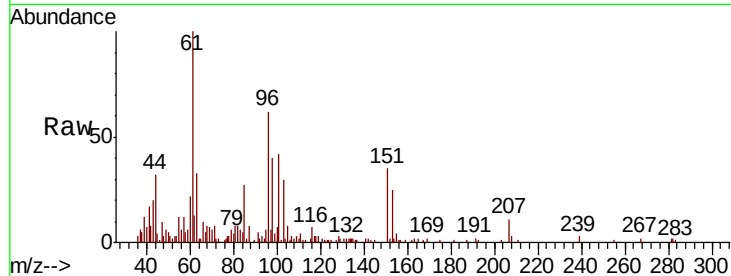
Tgt Ion: 96 Resp: 5622

Ion Ratio Lower Upper

96 100

61 166.2 119.4 179.2

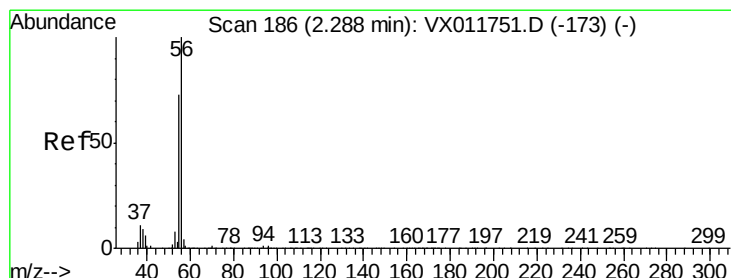
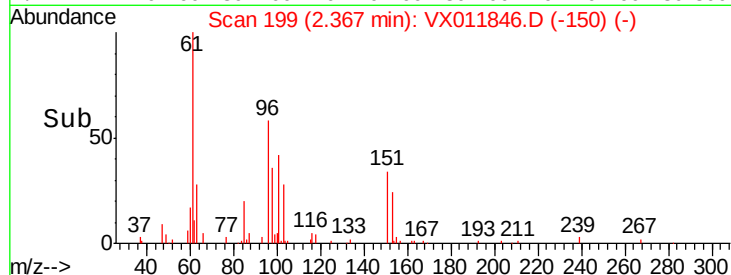
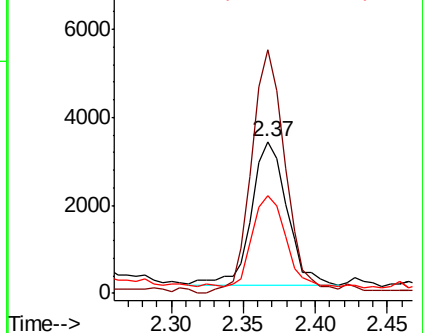
98 62.4 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 1.280 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011846.D

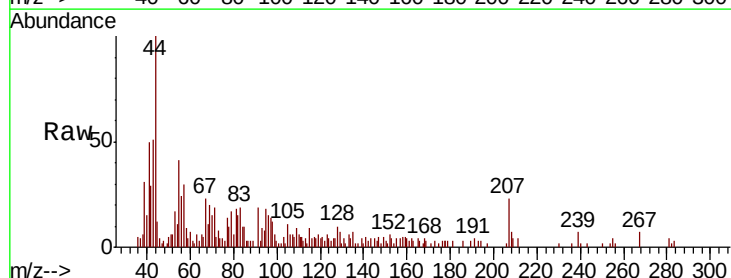
Acq: 27 Aug 2019 13:43

Tgt Ion: 56 Resp: 420

Ion Ratio Lower Upper

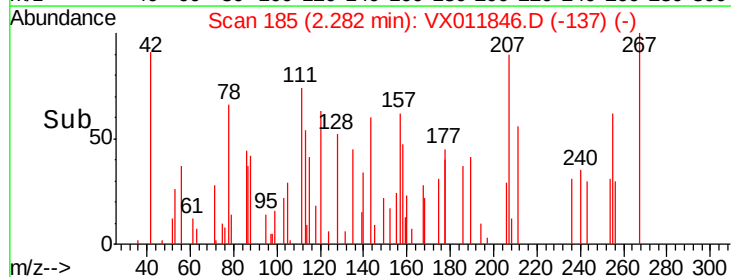
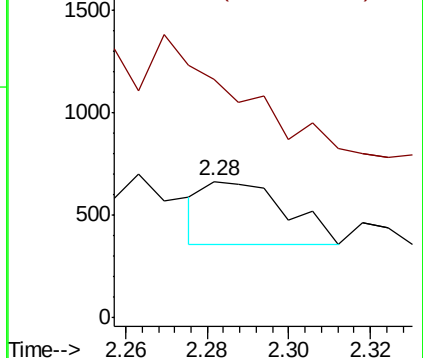
56 100

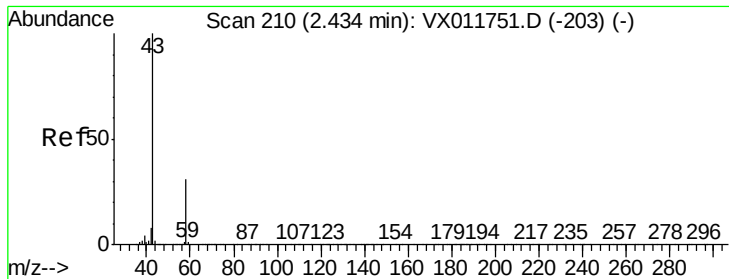
55 0.0 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

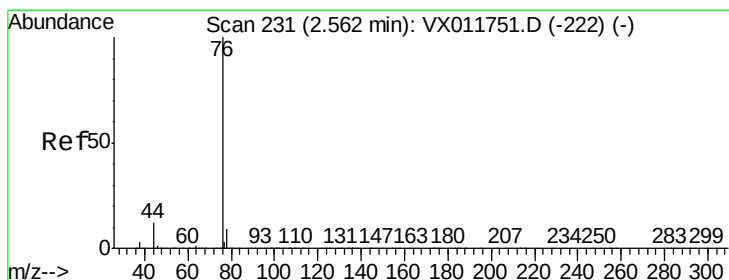
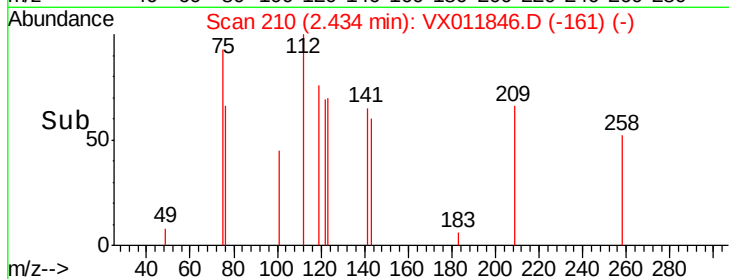
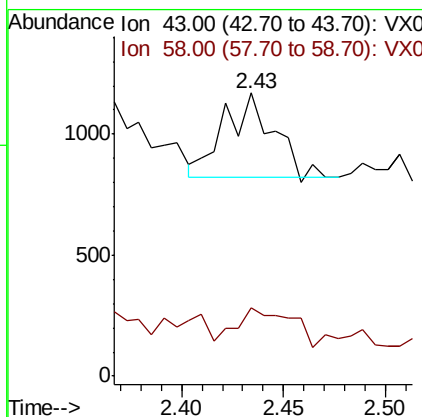
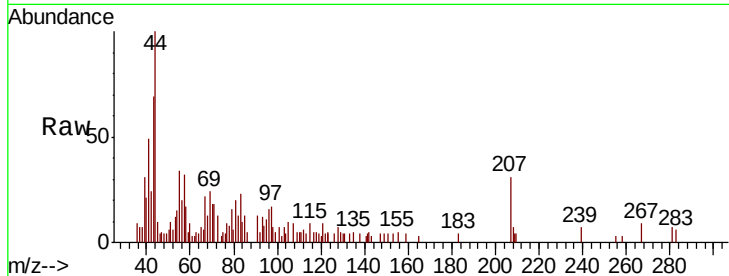




#16
Acetone
Concen: 0.308 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011846.D
Acq: 27 Aug 2019 13:43

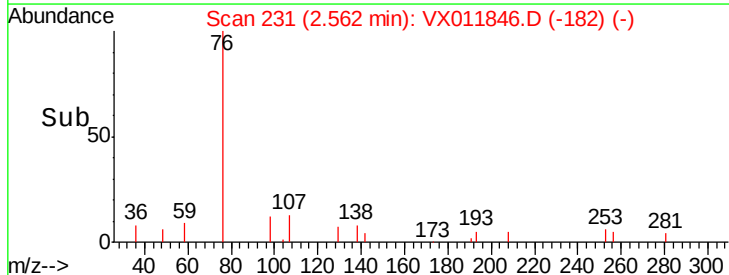
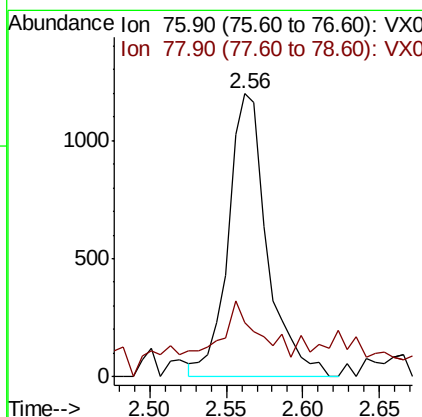
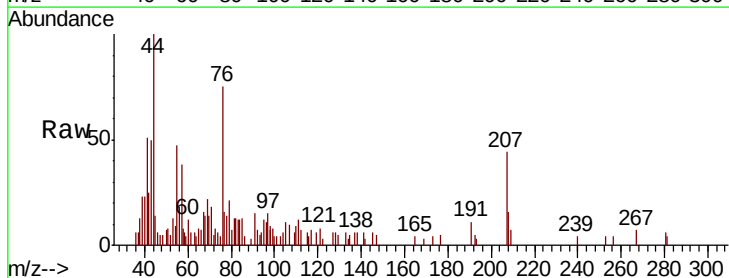
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-RE139D1-GW-20190826

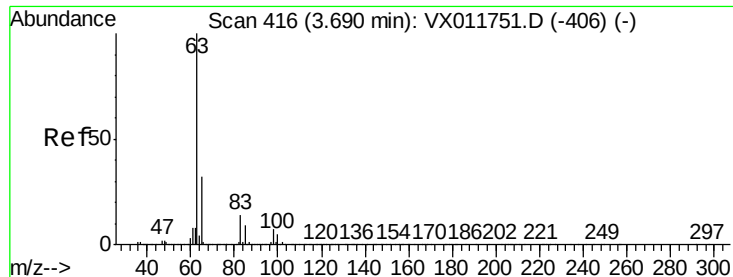
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 35.6 24.4 36.6



#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011846.D
Acq: 27 Aug 2019 13:43

Tgt Ion: 76 Resp: 2103
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0





#24

1,1-Dichloroethane

Concen: 0.363 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

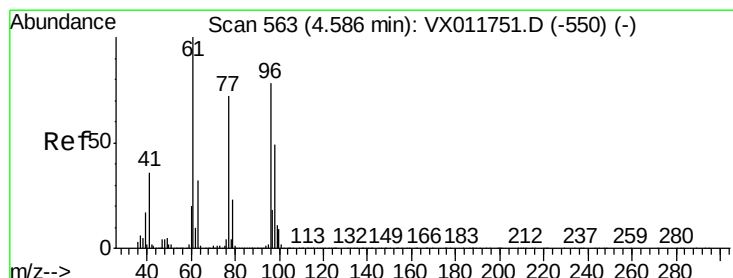
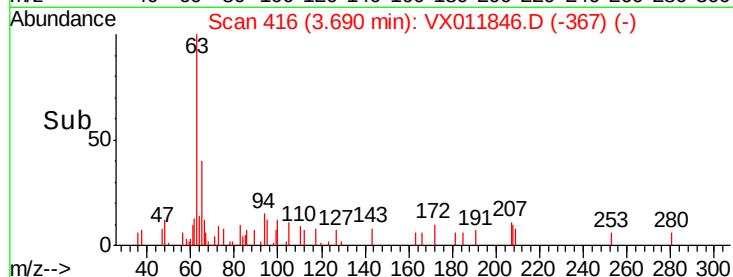
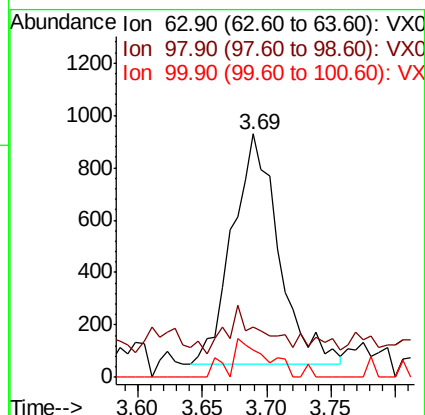
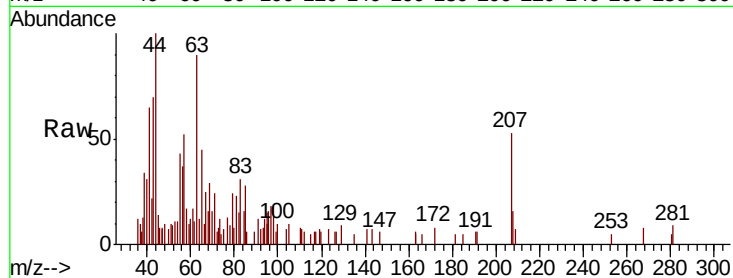
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

Tgt Ion:	63	Resp:	2186
Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.7	11.1
100	12.1	2.3	6.9#



#27

cis-1,2-Dichloroethene

Concen: 0.997 ug/l

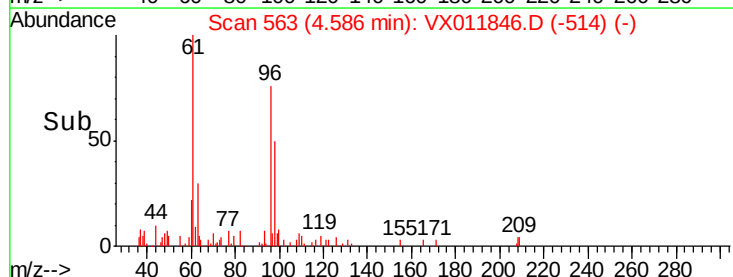
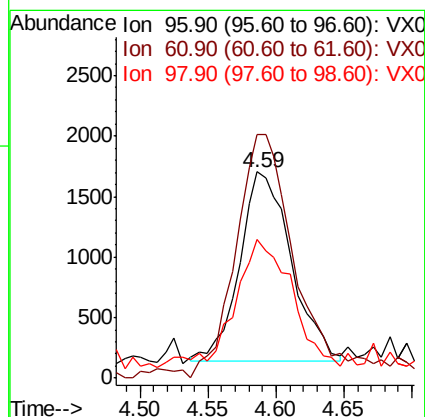
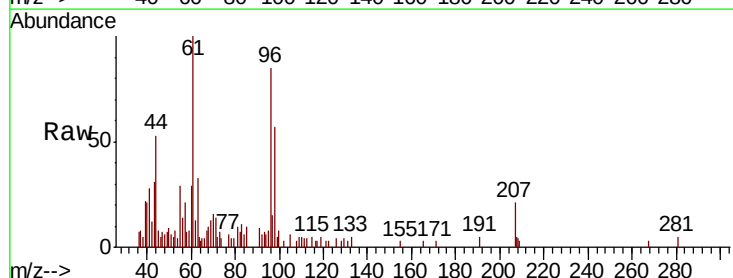
RT: 4.59 min Scan# 563

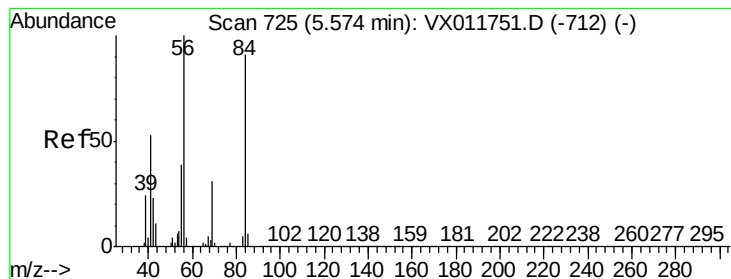
Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Tgt Ion:	96	Resp:	4144
Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	275.8
98	71.3	0.0	128.2





#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

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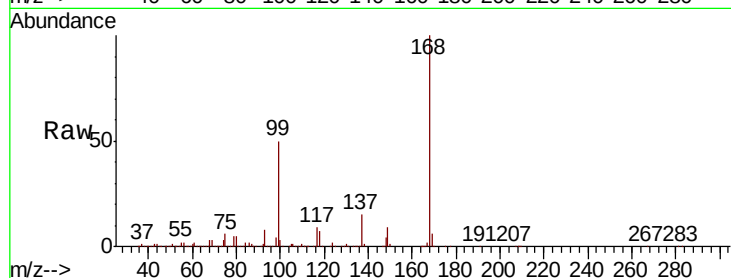
Tgt Ion: 56 Resp: 6863

Ion Ratio Lower Upper

56 100

69 196.4 24.5 36.7#

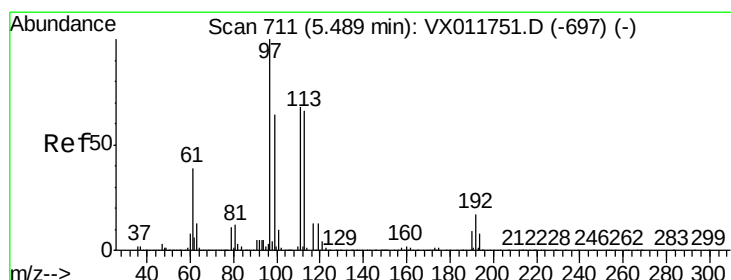
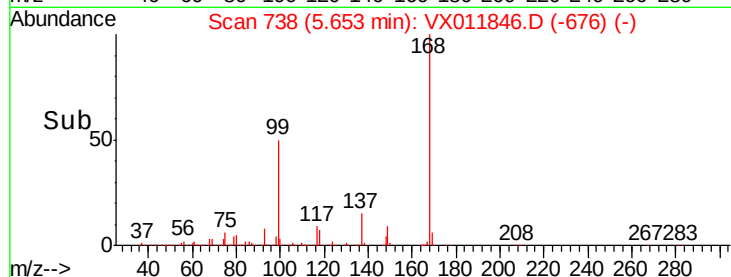
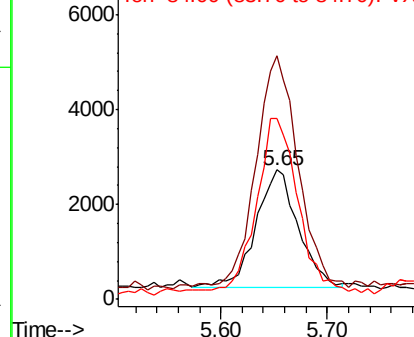
84 146.3 72.7 109.1#



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



#32

1,1,1-Trichloroethane

Concen: 0.212 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

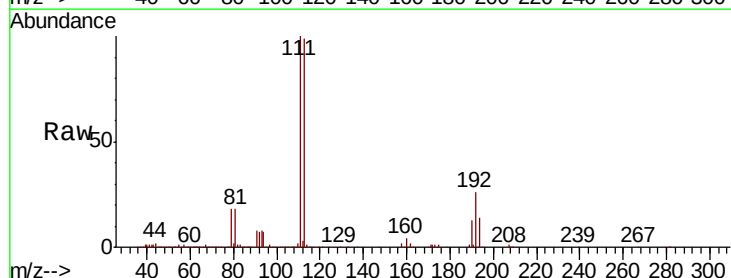
Tgt Ion: 97 Resp: 1200

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

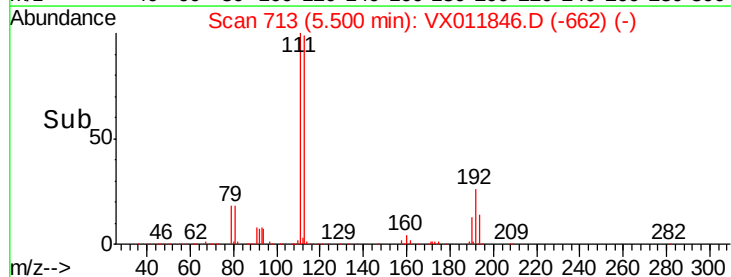
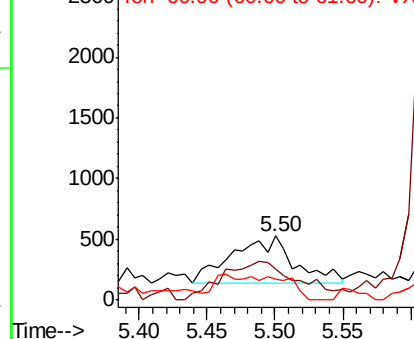
61 0.0 31.6 47.4#

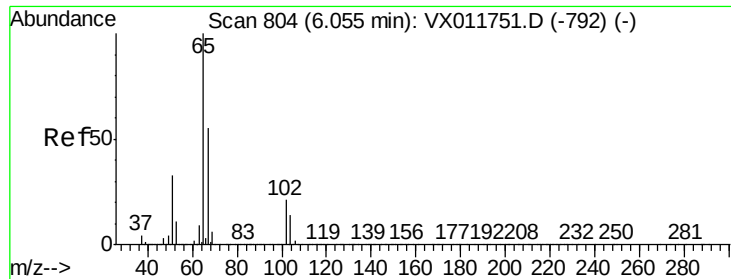


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

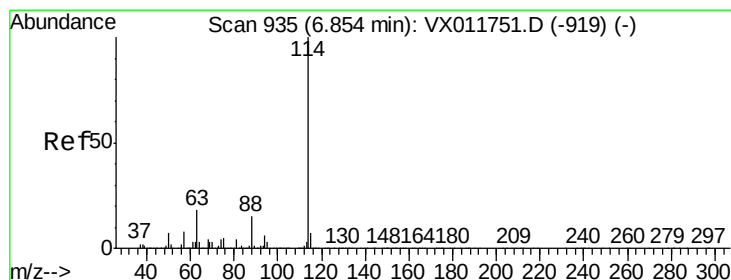
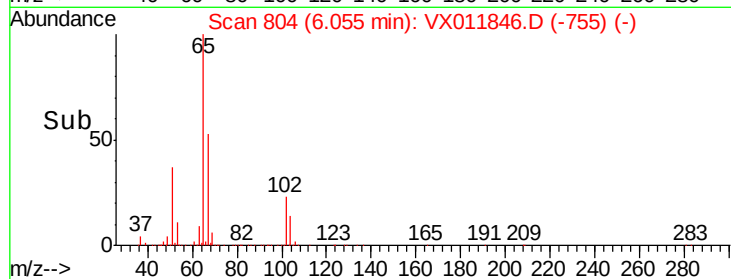
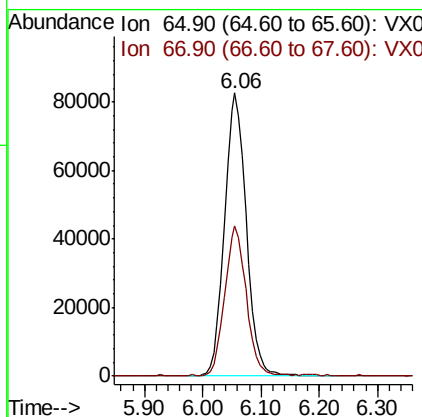
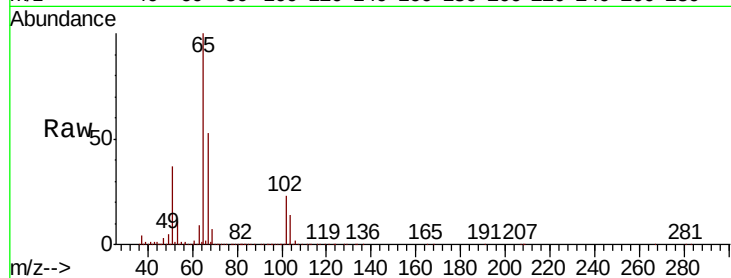




#33
 1,2-Dichloroethane-d4
 Concen: 49.924 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011846.D
 Acq: 27 Aug 2019 13:43

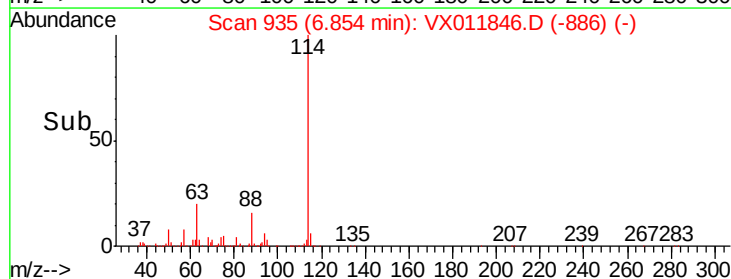
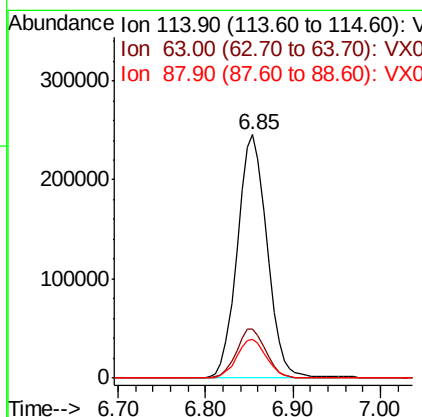
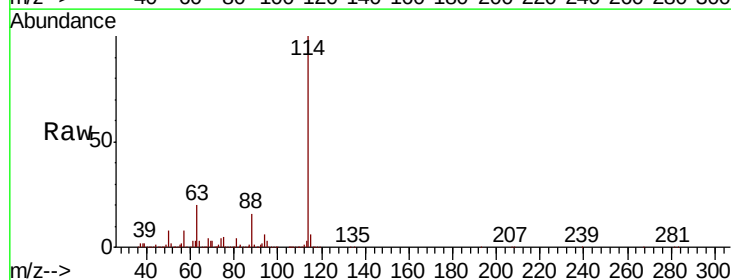
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-RE139D1-GW-20190826

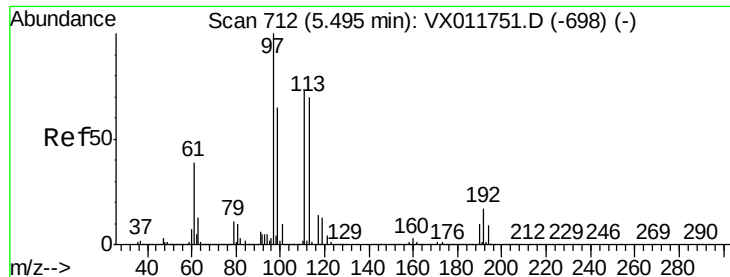
Tgt Ion: 65 Resp: 214474
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011846.D
 Acq: 27 Aug 2019 13:43

Tgt Ion: 114 Resp: 579975
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.8
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.451 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

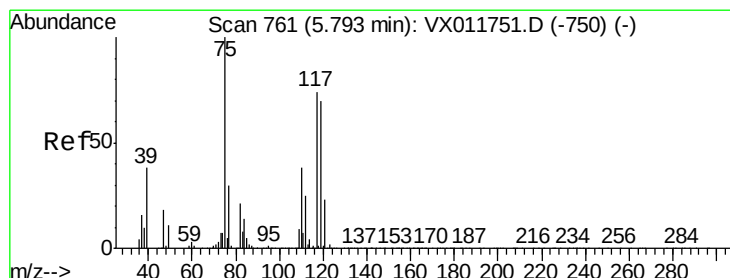
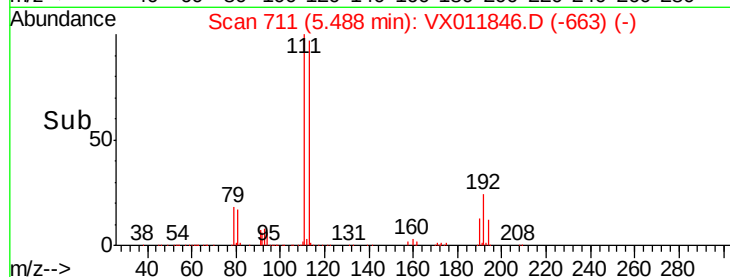
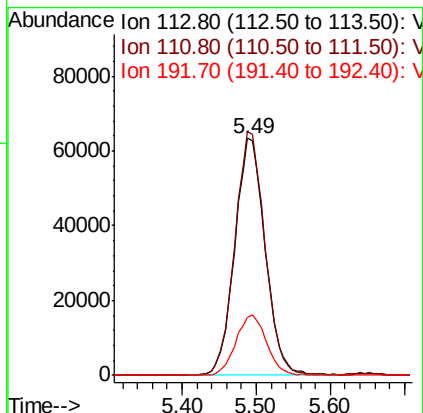
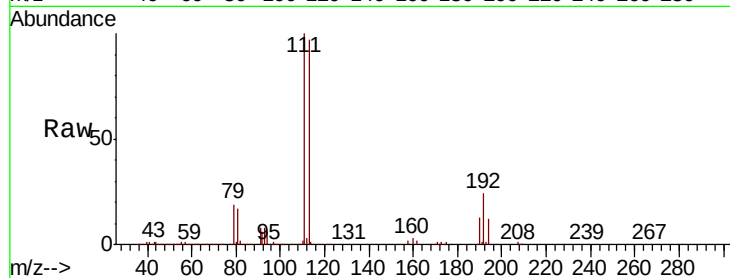
Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

Tgt Ion:	113	Resp:	181707
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.0	121.4
192	25.8	19.9	29.9



#36

1,1-Dichloropropene

Concen: 5.956 ug/l

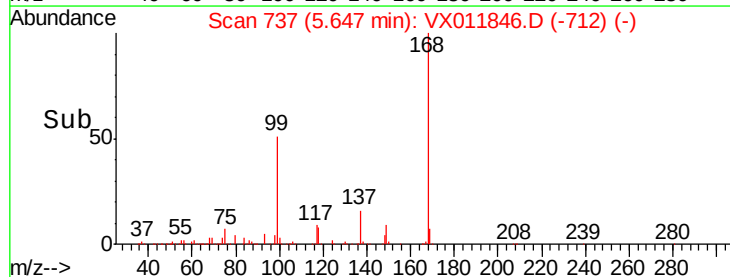
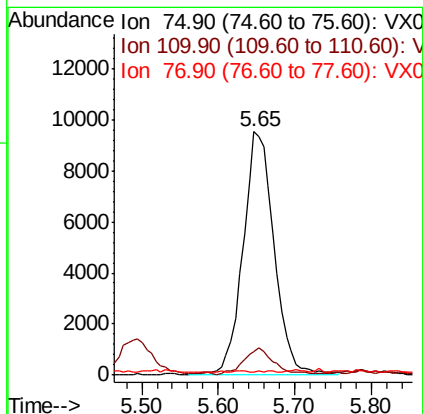
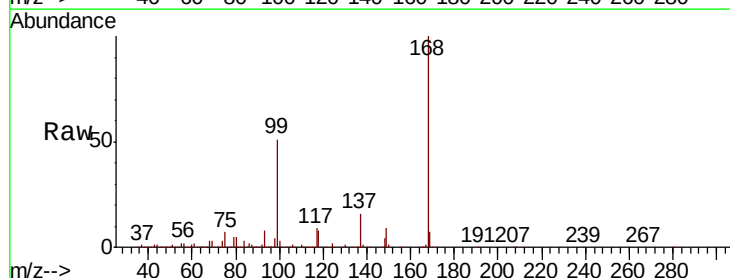
RT: 5.65 min Scan# 737

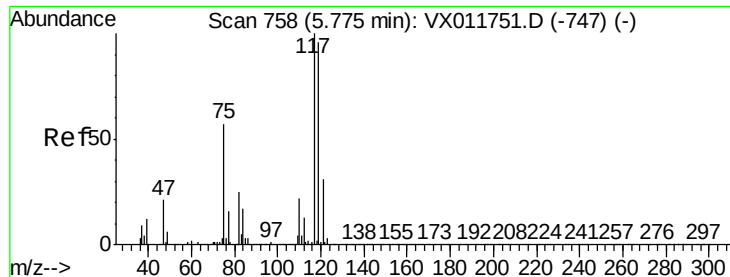
Delta R.T. -0.15 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Tgt Ion:	75	Resp:	27087
Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.0	57.0#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 0.986 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

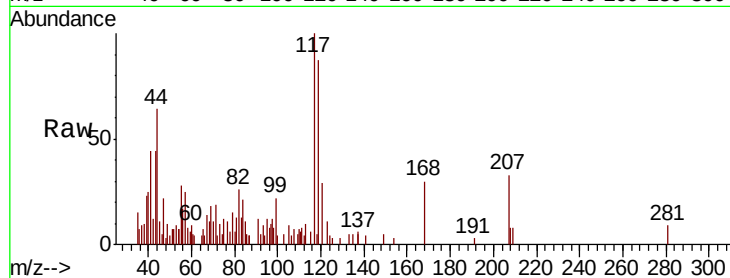
Tgt Ion: 117 Resp: 5084

Ion Ratio Lower Upper

117 100

119 87.2 76.6 114.8

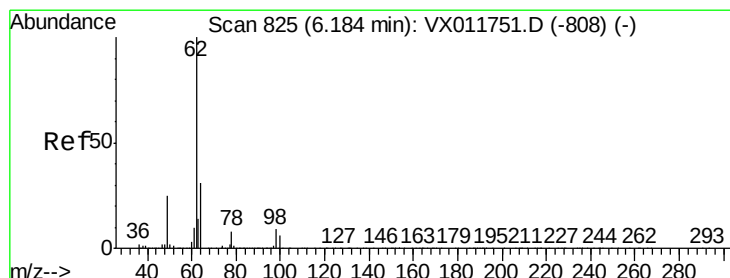
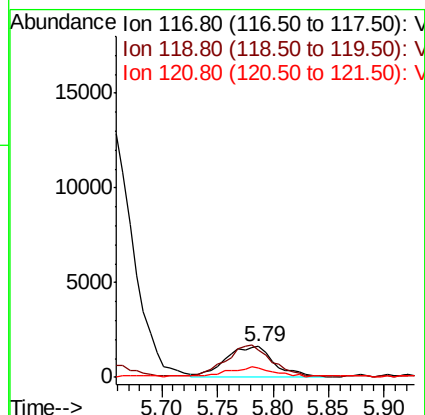
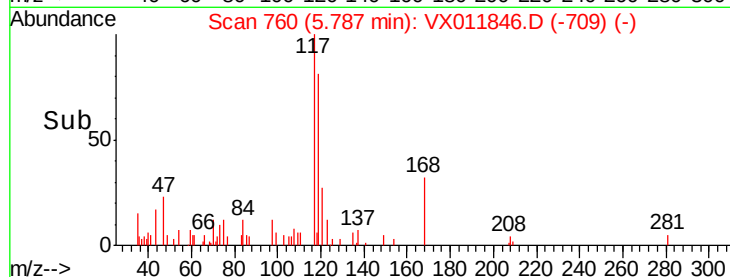
121 25.0 25.2 37.8#



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



#42

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 6.21 min Scan# 829

Delta R.T. 0.02 min

Lab File: VX011846.D

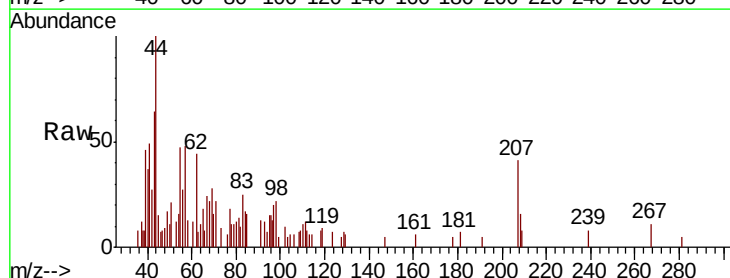
Acq: 27 Aug 2019 13:43

Tgt Ion: 62 Resp: 1464

Ion Ratio Lower Upper

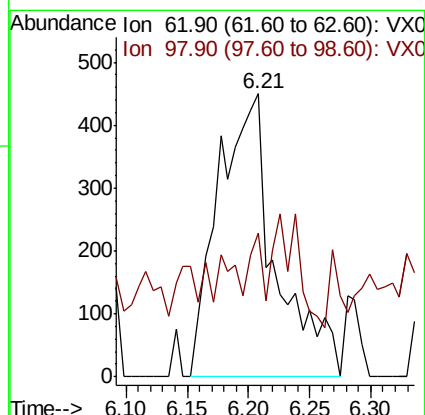
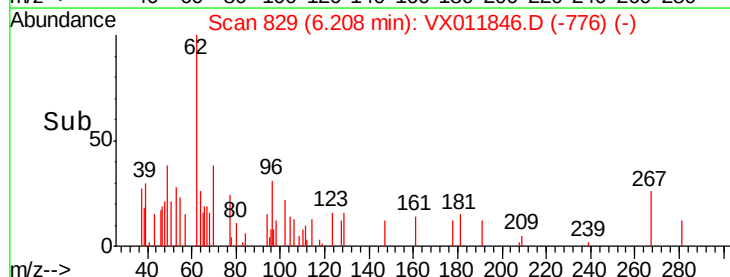
62 100

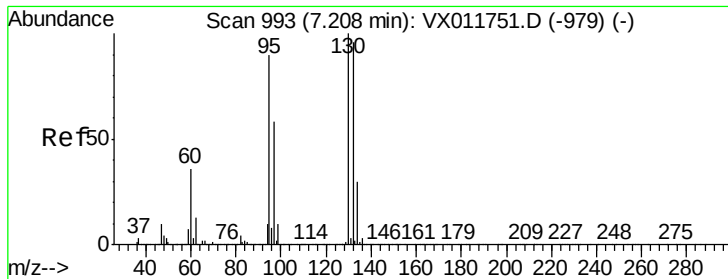
98 5.0 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 100.071 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

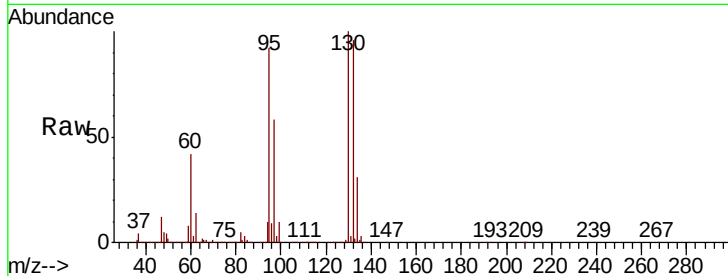
BP-TT-RE139D1-GW-20190826

Tgt Ion: 130 Resp: 434006

Ion Ratio Lower Upper

130 100

95 91.7 0.0 179.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

150000

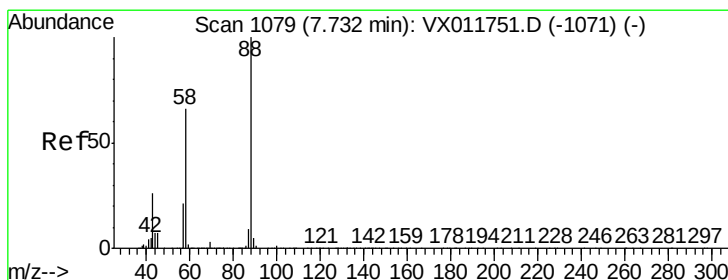
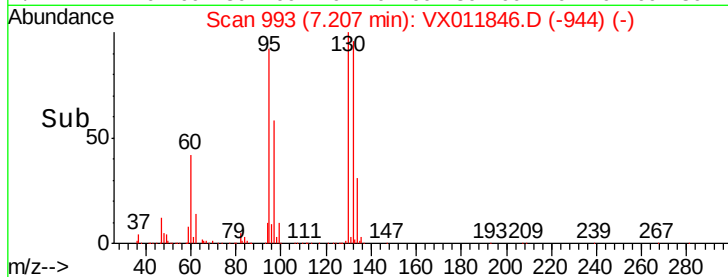
100000

50000

0

7.10 7.20 7.30 7.40

Time-->



#49

1,4-Dioxane

Concen: 3.845 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

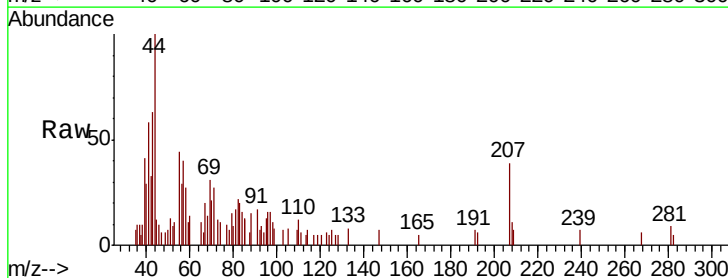
Tgt Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 38.3 24.6 37.0#

58 51.8 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

1000

800

600

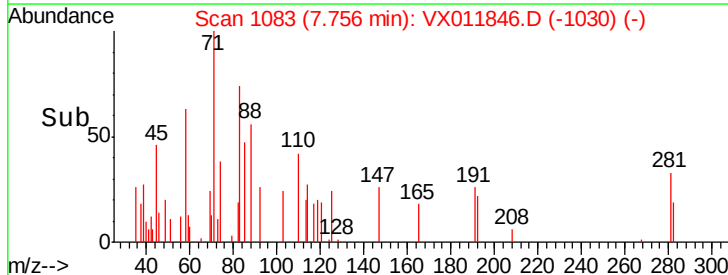
400

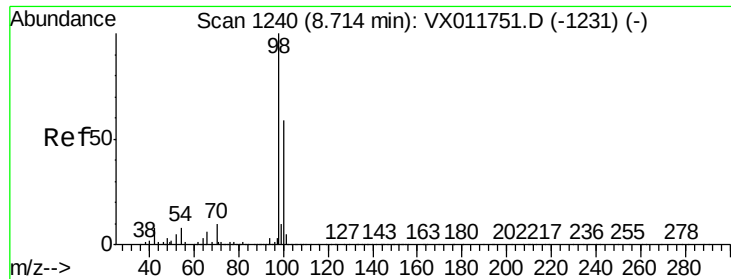
200

0

7.70 7.75 7.80

Time-->





#50

Toluene-d8

Concen: 51.135 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

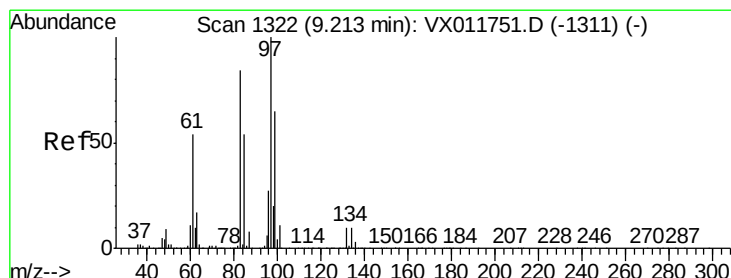
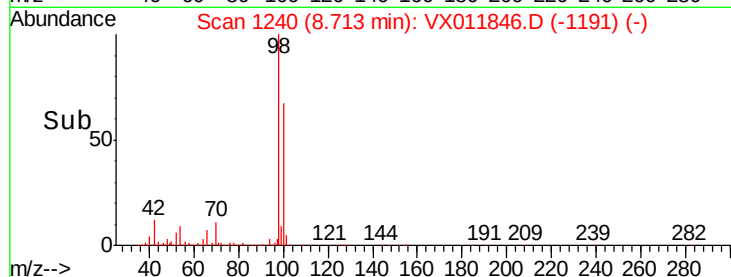
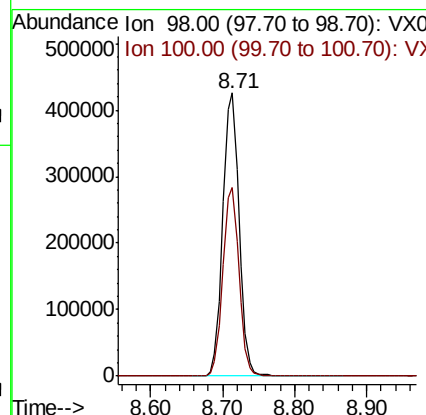
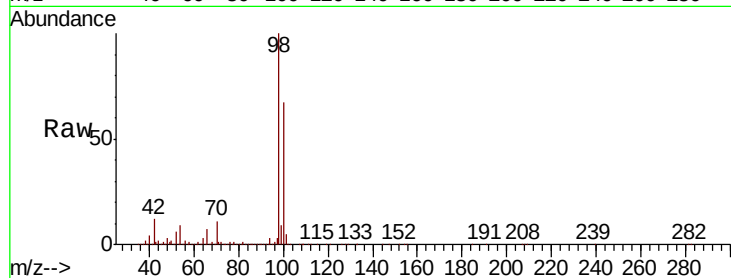
BP-TT-RE139D1-GW-20190826

Tgt Ion: 98 Resp: 668917

Ion Ratio Lower Upper

98 100

100 66.0 52.1 78.1



#55

1,1,2-Trichloroethane

Concen: 0.718 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Tgt Ion: 97 Resp: 2722

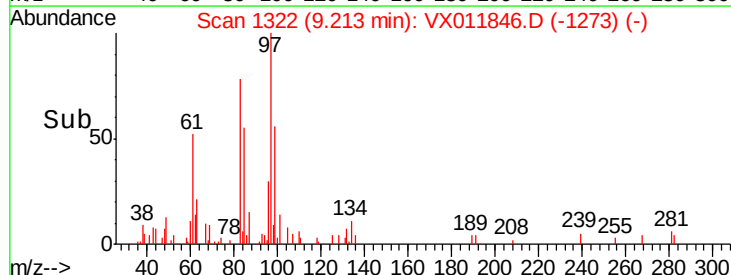
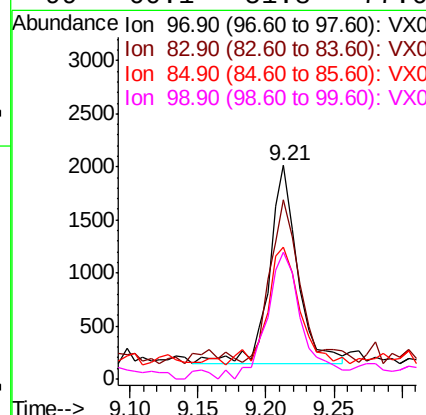
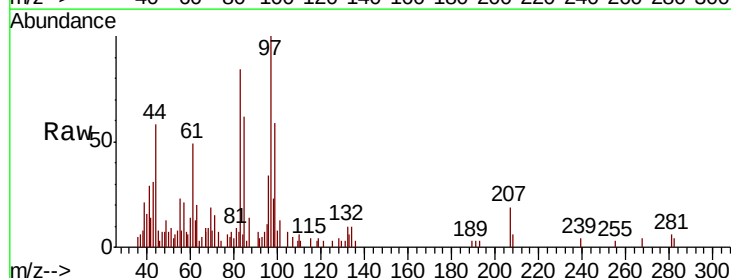
Ion Ratio Lower Upper

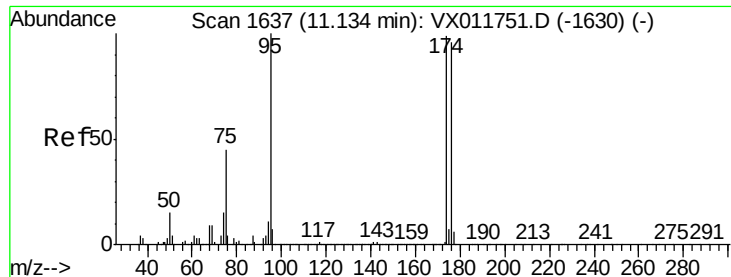
97 100

83 77.4 67.3 100.9

85 58.7 43.4 65.2

99 60.1 51.8 77.6





#62

4-Bromofluorobenzene

Concen: 47.084 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

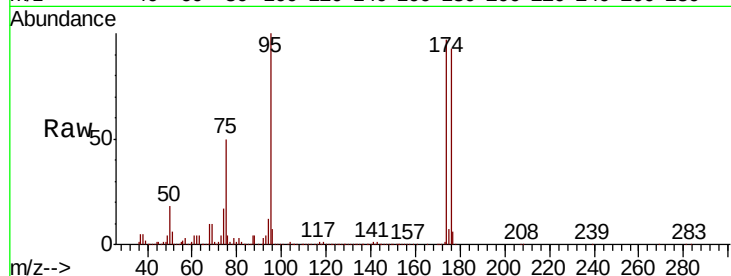
Tgt Ion: 95 Resp: 243446

Ion Ratio Lower Upper

95 100

174 94.3 0.0 197.4

176 91.1 0.0 194.4

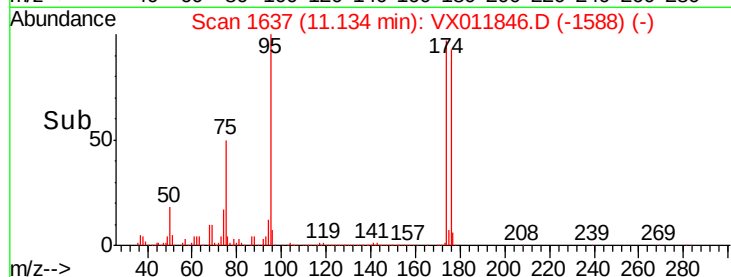


Abundance Ion 94.90 (94.60 to 95.60): VX011751.D (-1630) (-)

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

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

Time-->



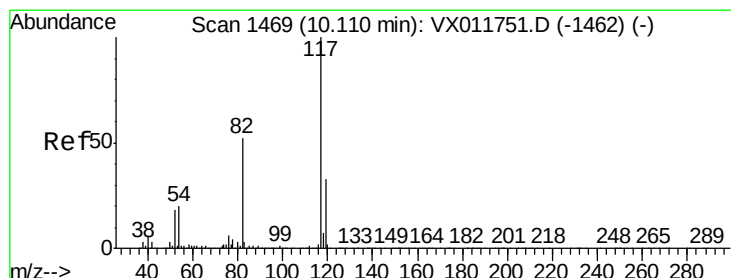
Abundance

Ion 94.90 (94.60 to 95.60): VX011846.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011846.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011846.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

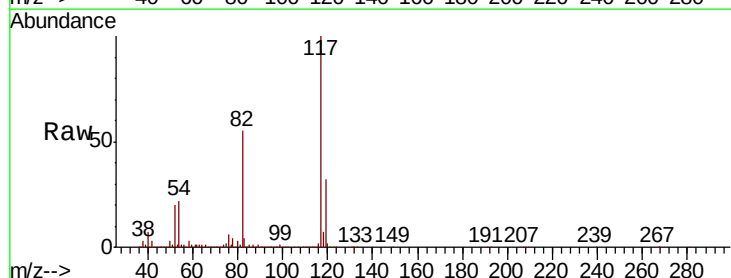
Tgt Ion: 117 Resp: 511674

Ion Ratio Lower Upper

117 100

82 54.8 41.7 62.5

119 32.0 26.2 39.2

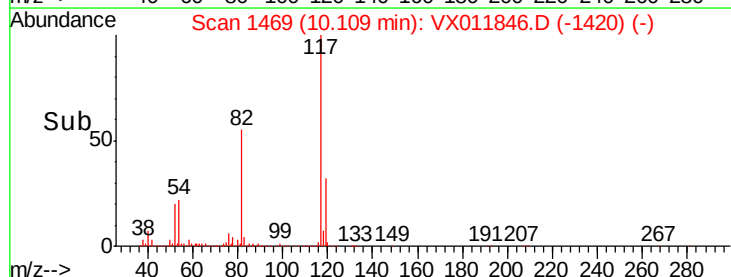


Abundance Ion 116.90 (116.60 to 117.60): VX011751.D (-1462) (-)

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

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

Time-->



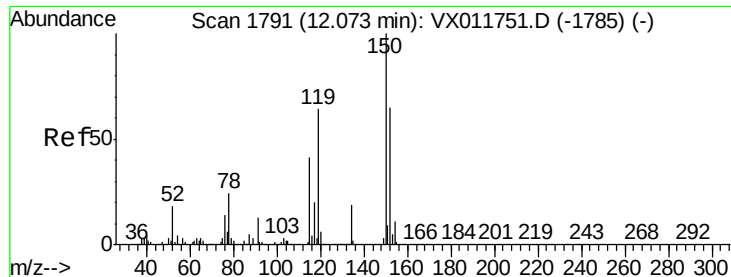
Abundance

Ion 116.90 (116.60 to 117.60): VX011846.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011846.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011846.D (-1420) (-)

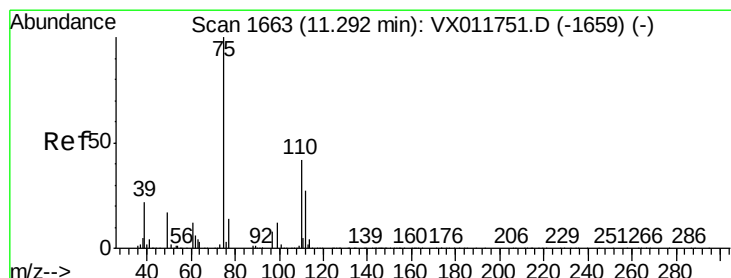
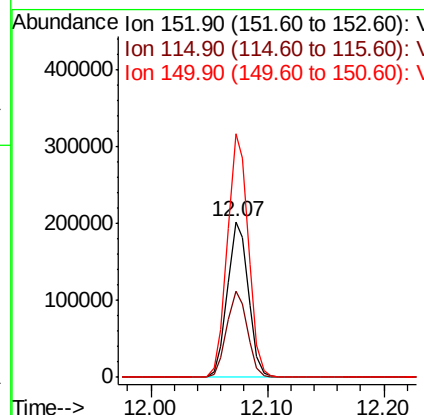
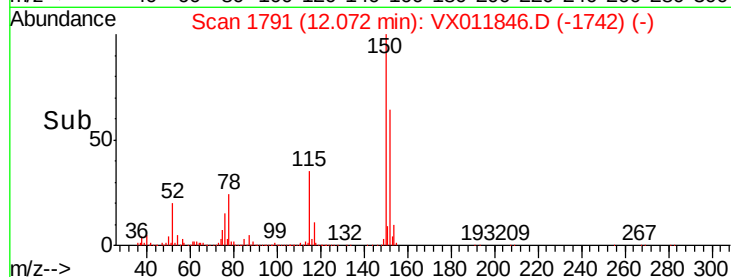
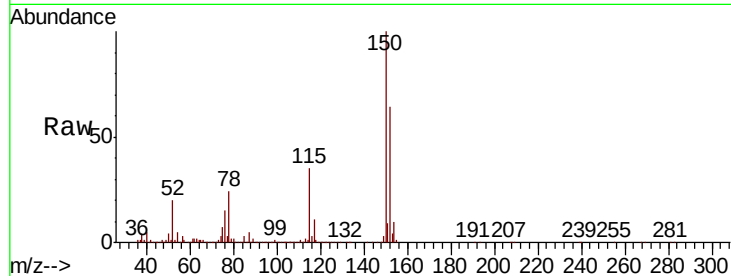
Time-->



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX011846.D
 Acq: 27 Aug 2019 13:43

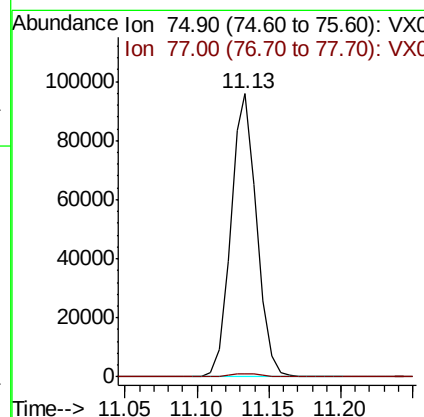
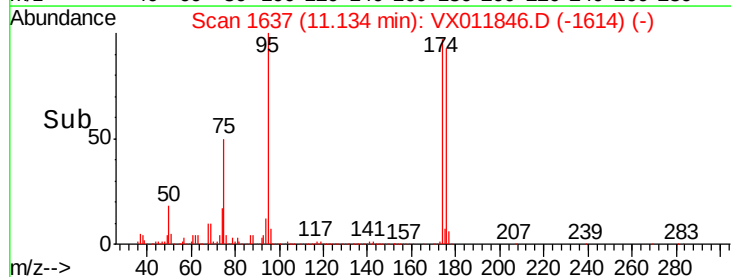
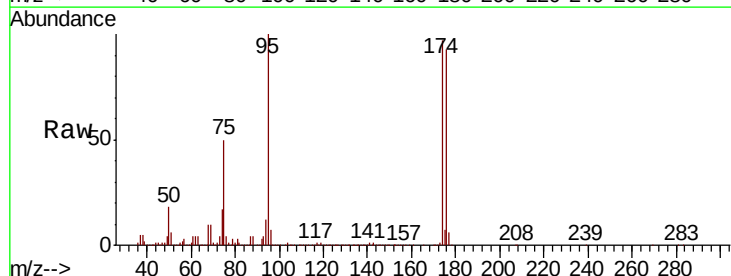
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-RE139D1-GW-20190826

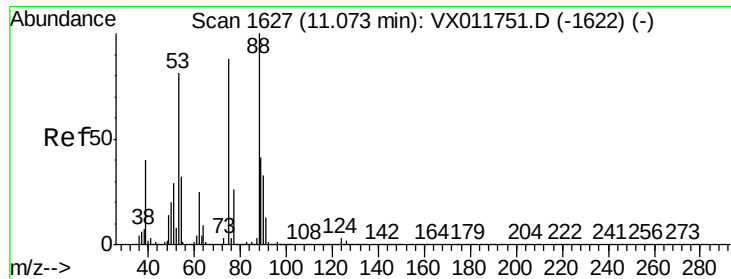
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	37.3	111.8
150	156.2	0.0	343.0



#76
 1,2,3-Trichloropropane
 Concen: 27.347 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011846.D
 Acq: 27 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.1	63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 82.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011846.D

Acq: 27 Aug 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RE139D1-GW-20190826

Tgt Ion: 75 Resp: 120496

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.0 38.5 57.7#

