

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011035.D
 Acq On : 22 Jul 2019 17:00
 Operator : JC/SP
 Sample : K3926-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 POLY-TANK-GROUNDWATER

Quant Time: Jul 23 03:45:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361540	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160590	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	124319	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	5.50	113	113334	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	436413	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	156891	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

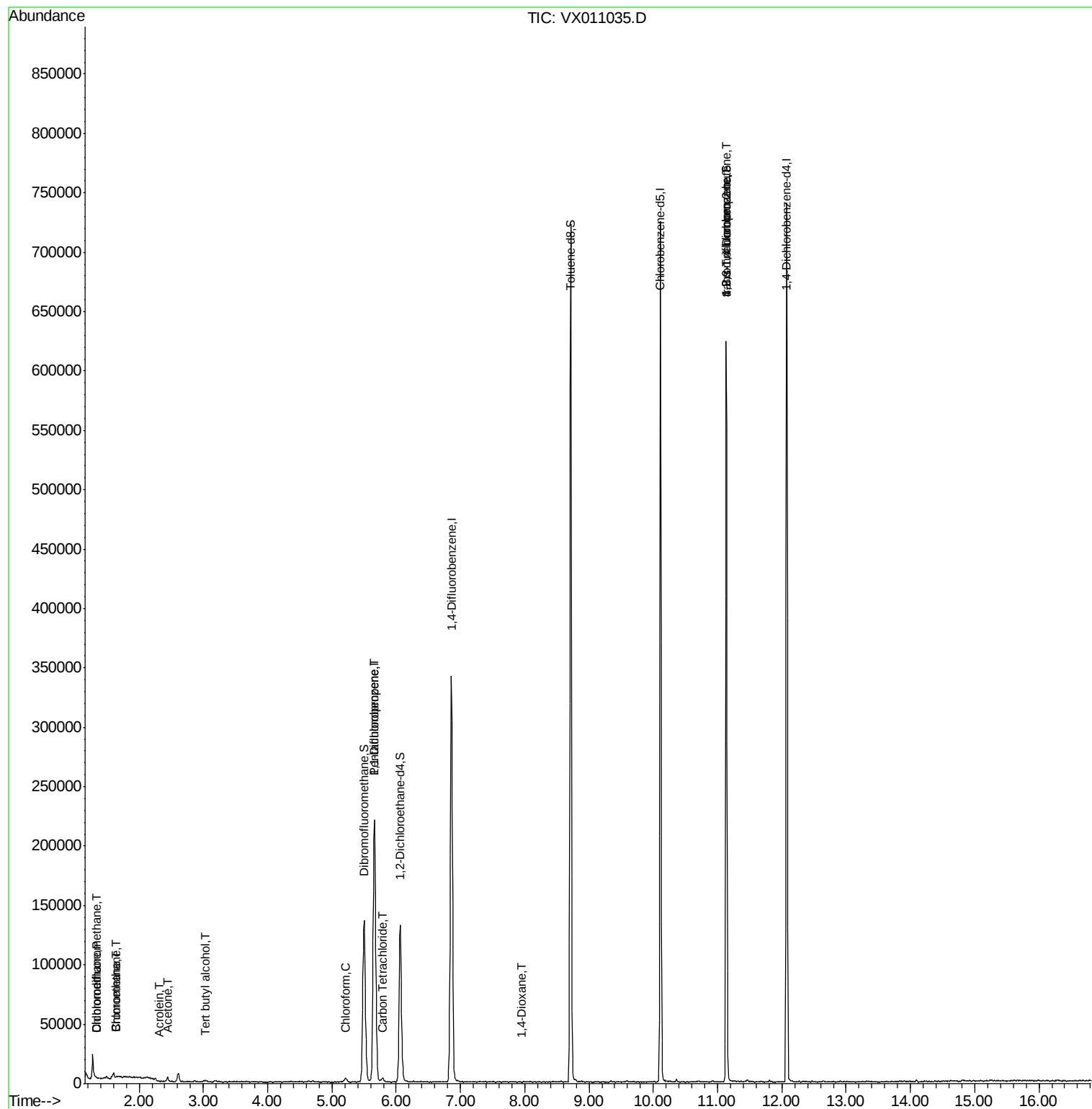
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	25	0.557	ug/l #	43
3) Chloromethane	1.33	50	459	0.220	ug/l #	81
5) Bromomethane	1.65	94	394	0.329	ug/l	93
6) Chloroethane	1.65	64	2313	1.714	ug/l #	41
11) Tert butyl alcohol	3.04	59	1619	2.886	ug/l #	89
13) Acrolein	2.32	56	245	0.756	ug/l #	54
16) Acetone	2.45	43	3916	3.600	ug/l	91
30) Chloroform	5.21	83	3783	0.975	ug/l	91
36) 1,1-Dichloropropene	5.66	75	15370	5.176	ug/l #	49
38) Carbon Tetrachloride	5.79	117	2388	0.772	ug/l	89
49) 1,4-Dioxane	7.95	88	41	0.602	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77952	26.899	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77952	66.706	ug/l #	11

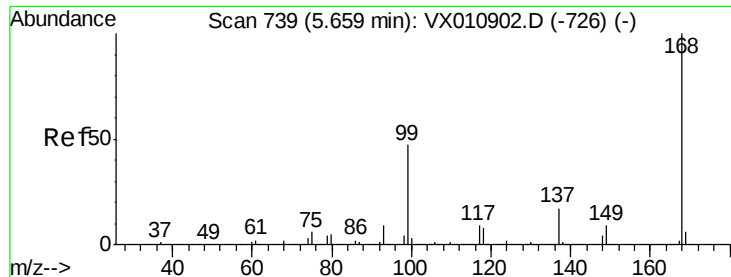
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

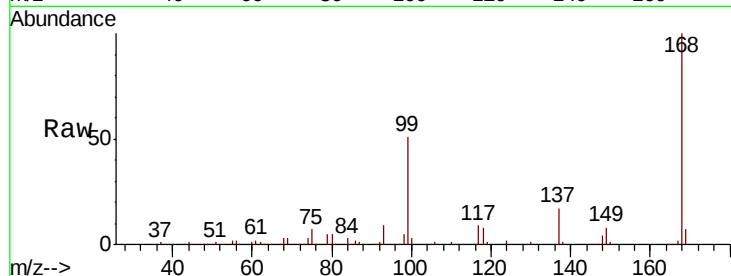
POLY-TANK-GROUNDWATER

Tot Ion:168 Resp: 226413

Ion Ratio Lower Upper

168 100

99 50.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

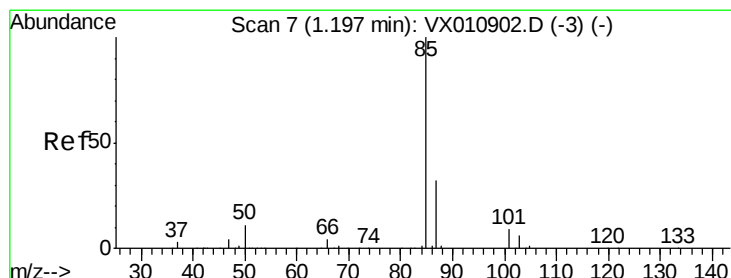
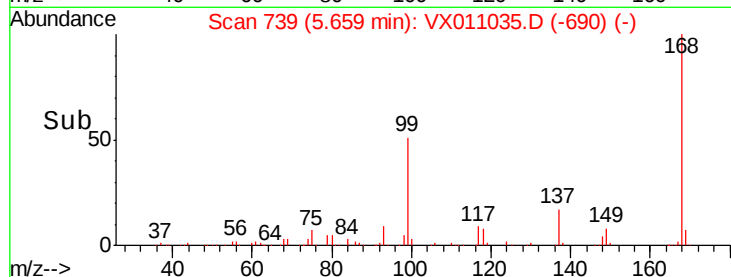
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

RT: 1.34 min Scan# 31

Delta R.T. 0.15 min

Lab File: VX011035.D

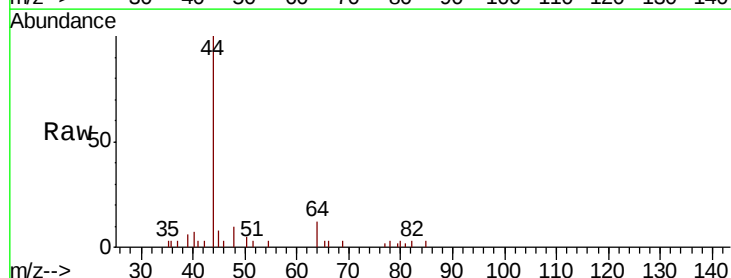
Acq: 22 Jul 2019 17:00

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.34

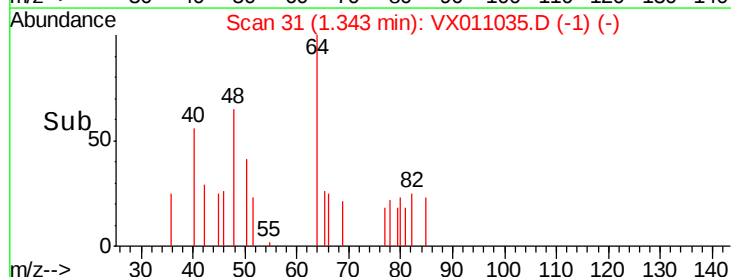
60

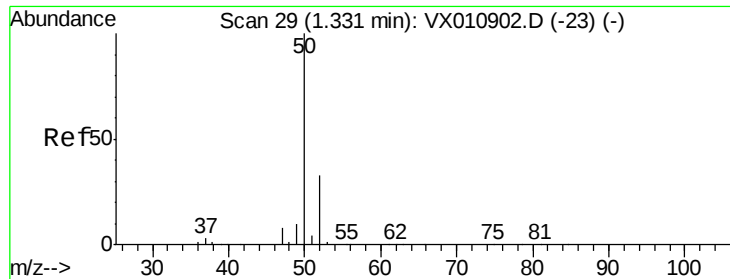
40

20

0

Time--> 1.32 1.33 1.34 1.35 1.36





#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

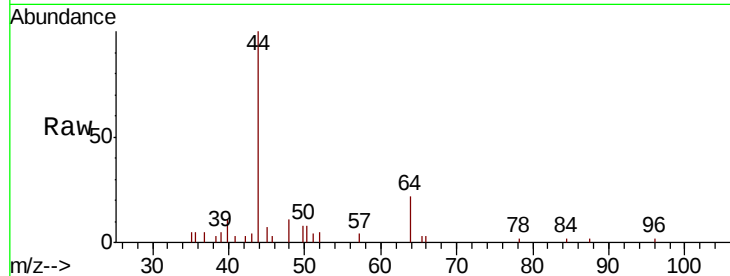
POLY-TANK-GROUNDWATER

Tot Ion: 50 Resp: 459

Ion Ratio Lower Upper

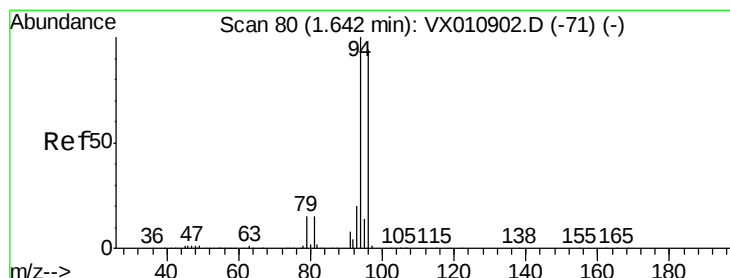
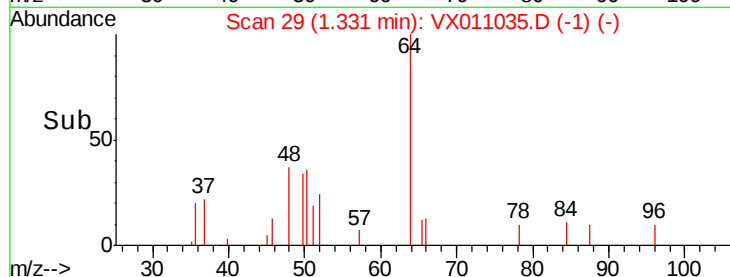
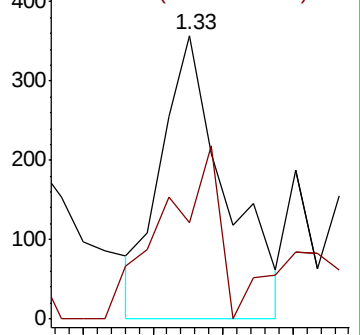
50 100

52 22.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011035.D

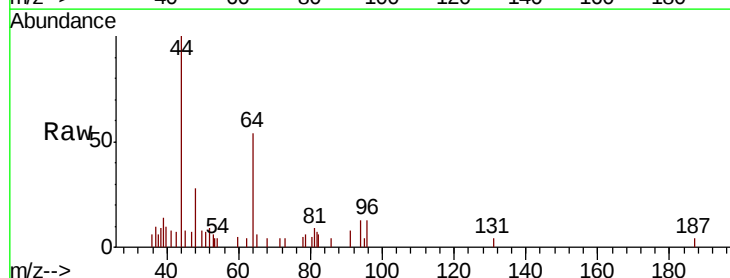
Acq: 22 Jul 2019 17:00

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

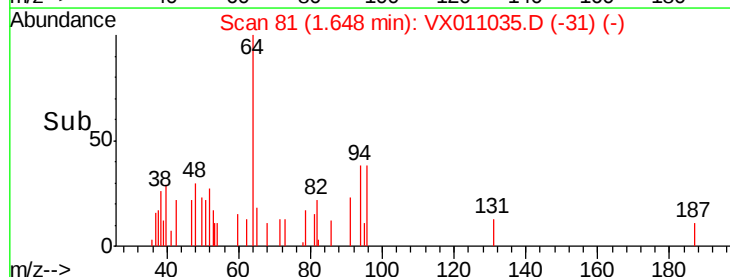
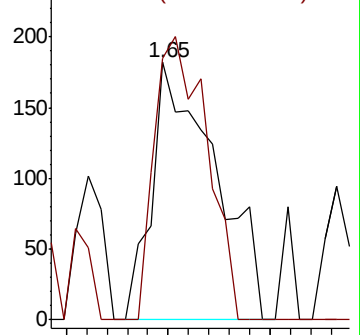
94 100

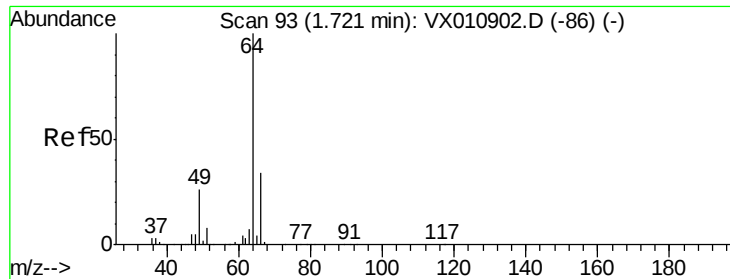
96 101.6 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.714 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

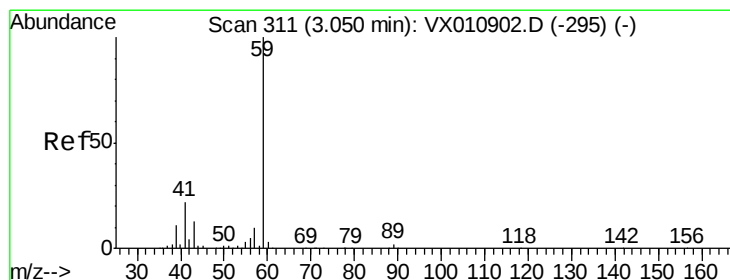
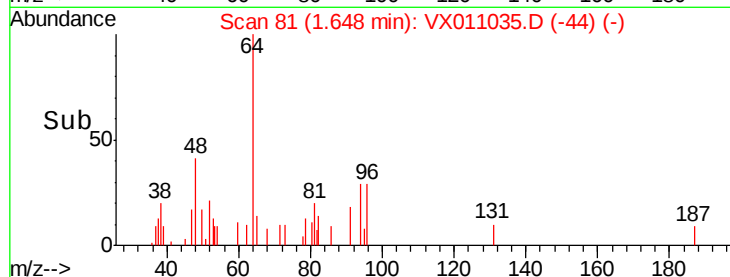
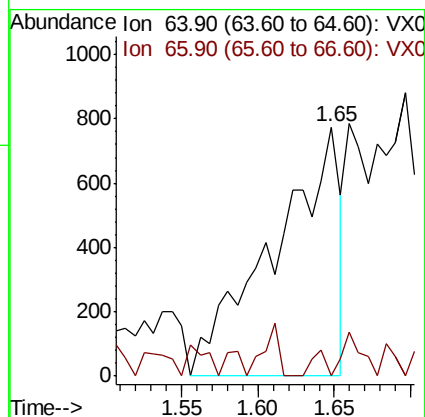
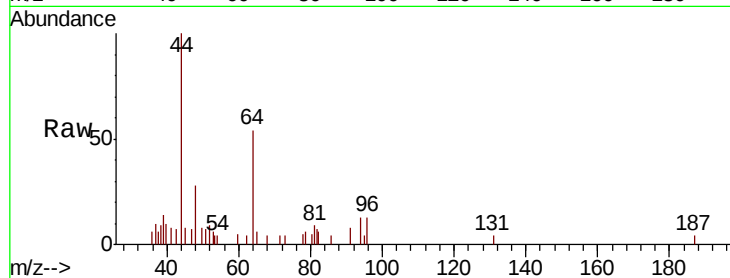
POLY-TANK-GROUNDWATER

Tot Ion: 64 Resp: 2313

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



#11

Tert butyl alcohol

Concen: 2.886 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX011035.D

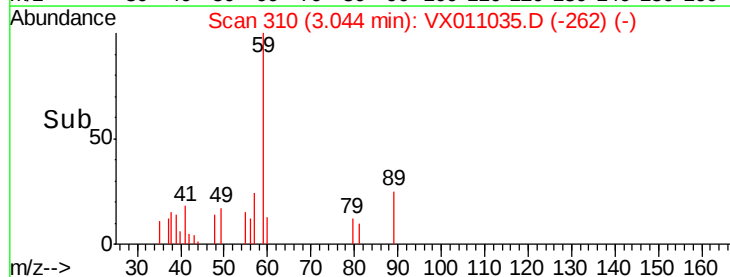
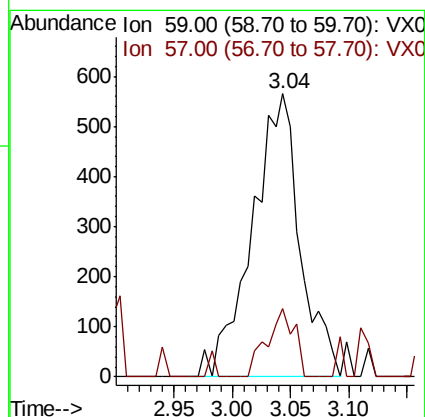
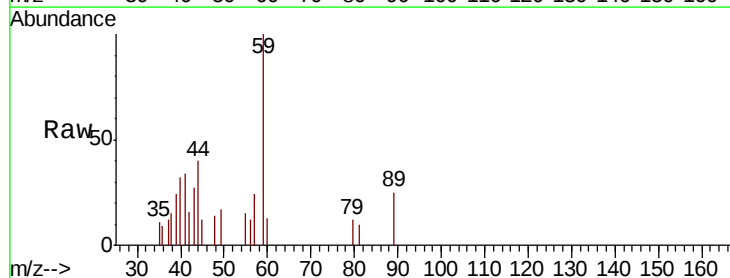
Acq: 22 Jul 2019 17:00

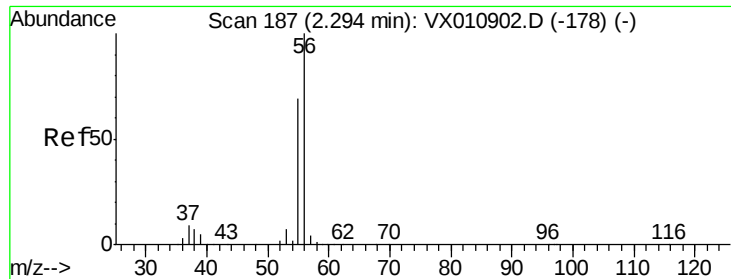
Tgt Ion: 59 Resp: 1619

Ion Ratio Lower Upper

59 100

57 14.0 7.9 11.9#





#13

Acrolein

Concen: 0.756 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

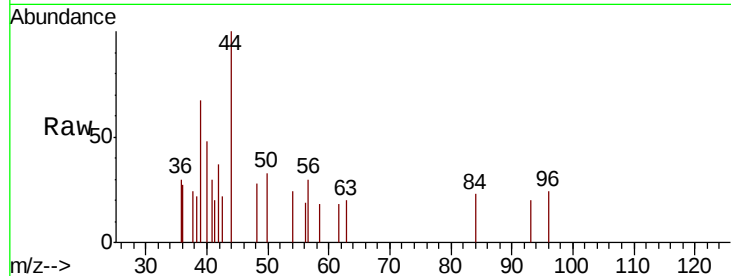
POLY-TANK-GROUNDWATER

Tot Ion: 56 Resp: 245

Ion Ratio Lower Upper

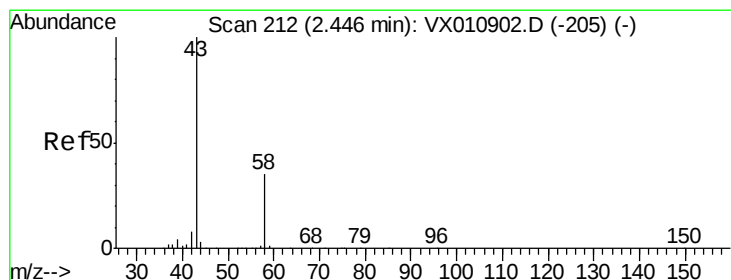
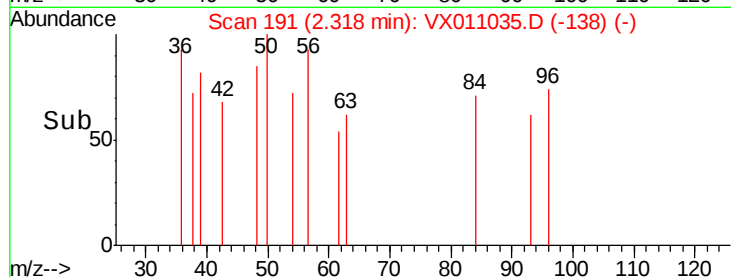
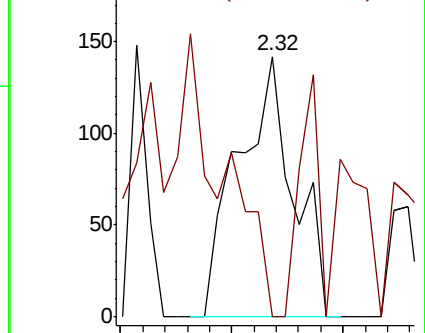
56 100

55 31.8 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.600 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011035.D

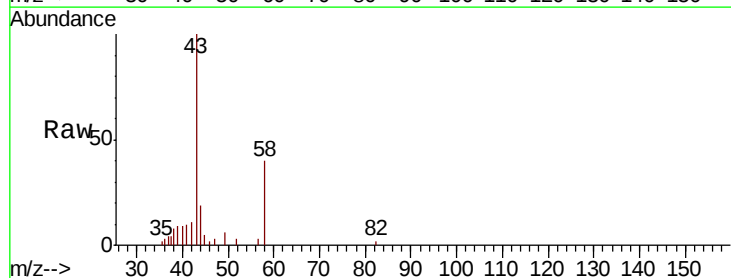
Acq: 22 Jul 2019 17:00

Tgt Ion: 43 Resp: 3916

Ion Ratio Lower Upper

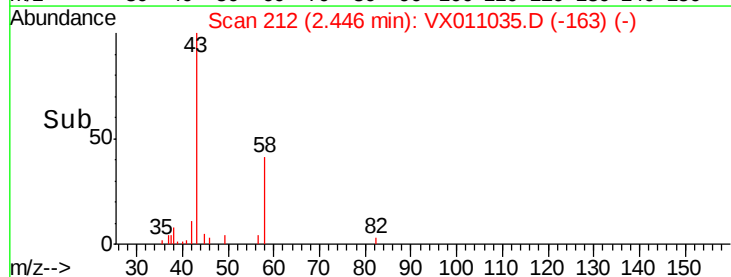
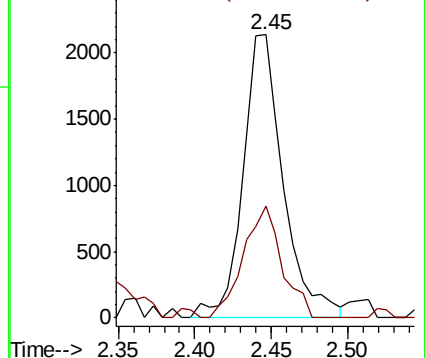
43 100

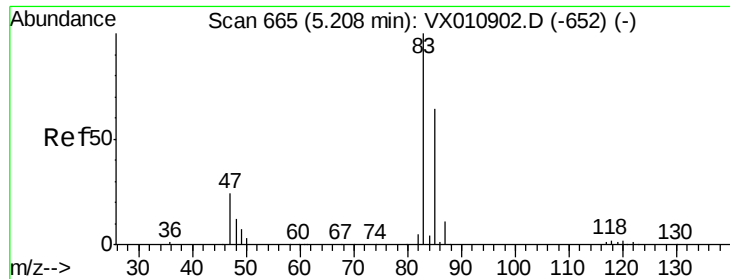
58 39.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

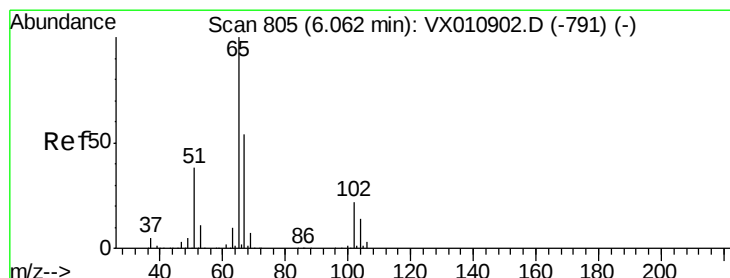
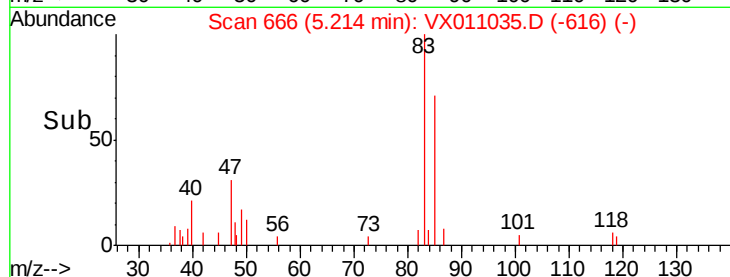
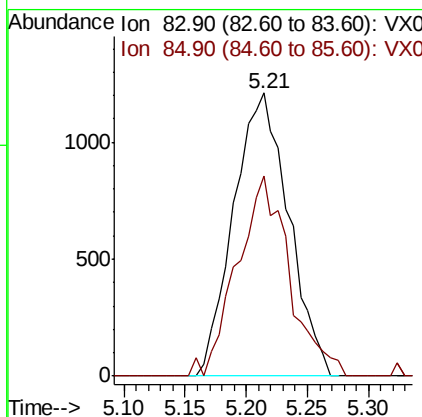
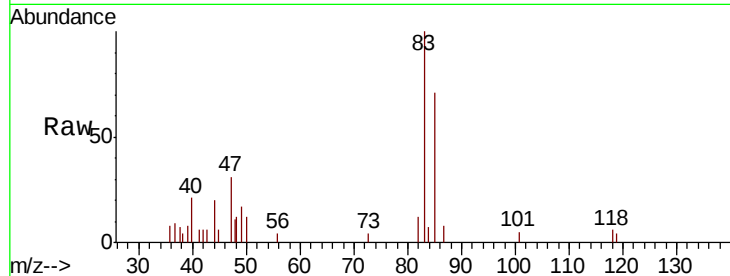




#30
Chloroform
Concen: 0.975 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011035.D
Acq: 22 Jul 2019 17:00

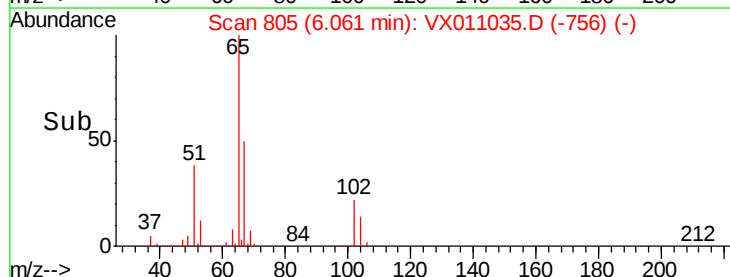
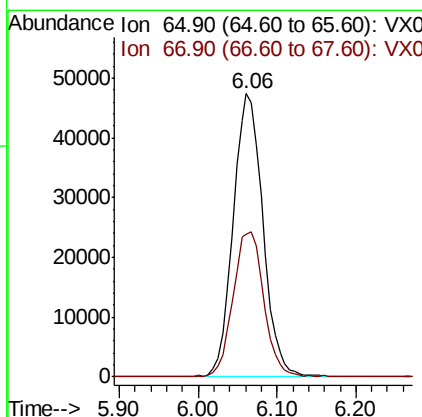
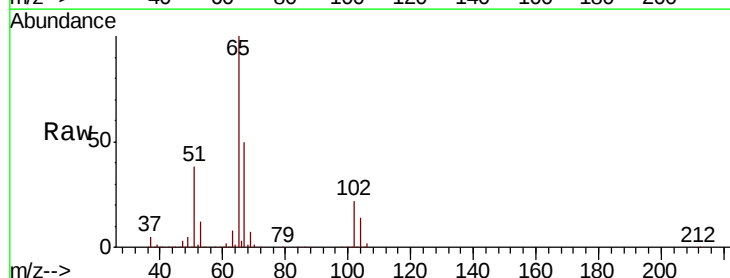
Instrument :
MSVOA_X
ClientSampleId :
POLY-TANK-GROUNDWATER

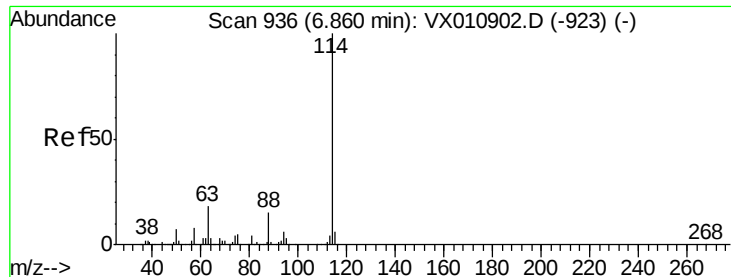
Tot Ion: 83 Resp: 3783
Ion Ratio Lower Upper
83 100
85 70.9 51.4 77.0



#33
1,2-Dichloroethane-d4
Concen: 51.613 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011035.D
Acq: 22 Jul 2019 17:00

Tgt Ion: 65 Resp: 124319
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

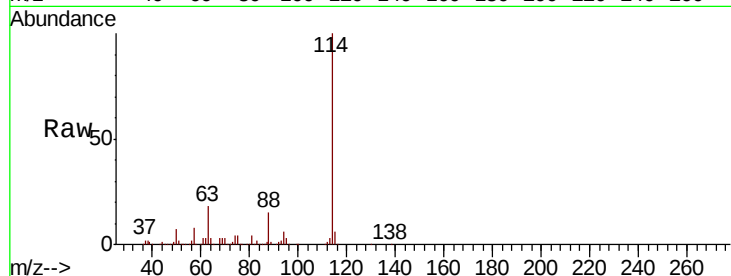
Tot Ion:114 Resp: 361540

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

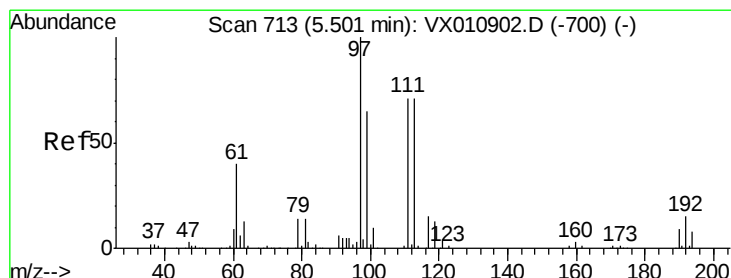
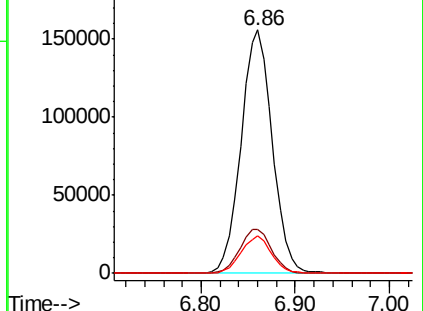
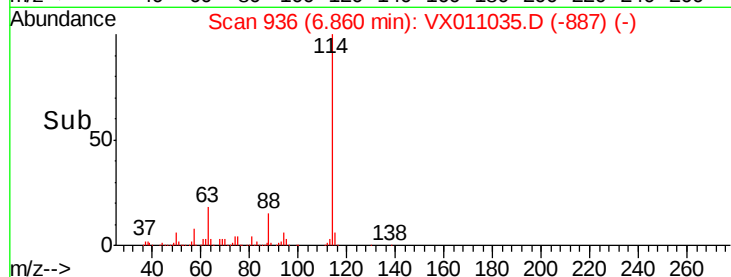
88 15.2 0.0 29.8



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: 49.388 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

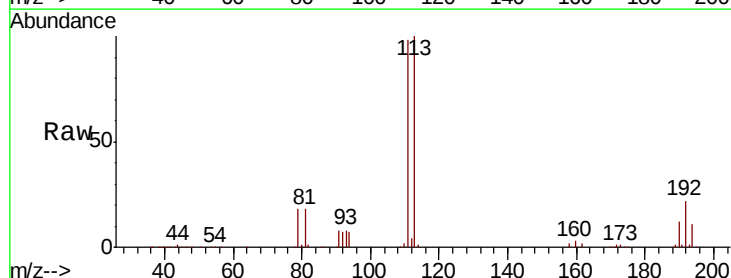
Tgt Ion:113 Resp: 113334

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

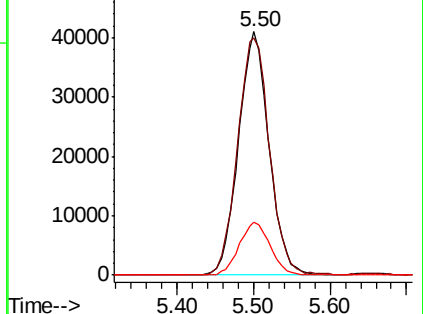
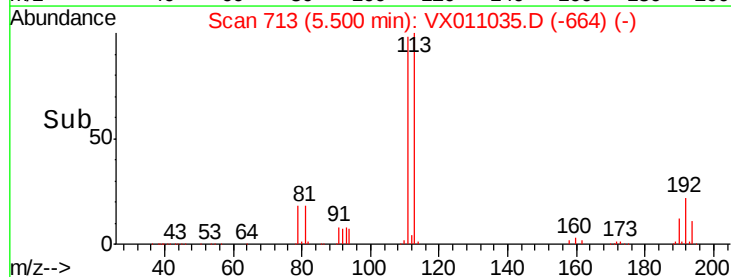
192 22.2 17.4 26.2

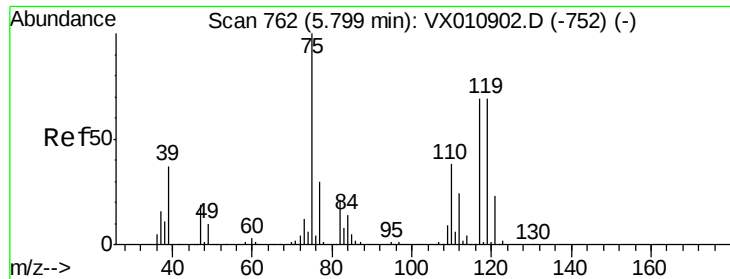


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.176 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

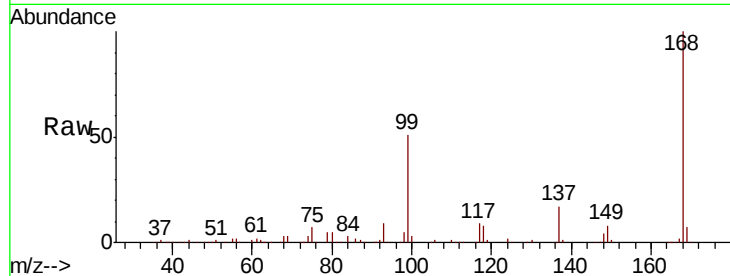
Tot Ion: 75 Resp: 15370

Ion Ratio Lower Upper

75 100

110 11.5 19.9 59.7#

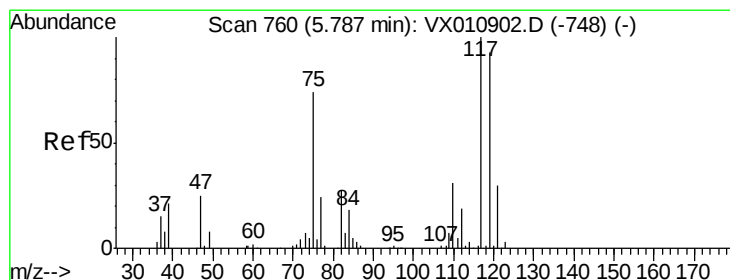
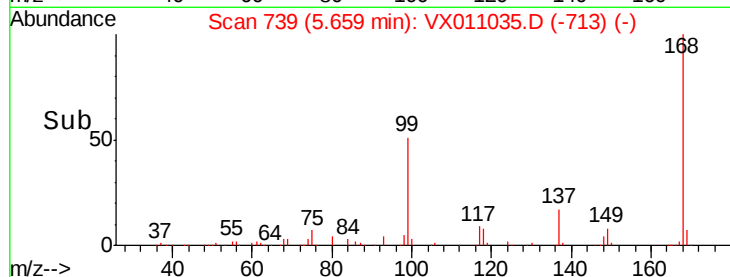
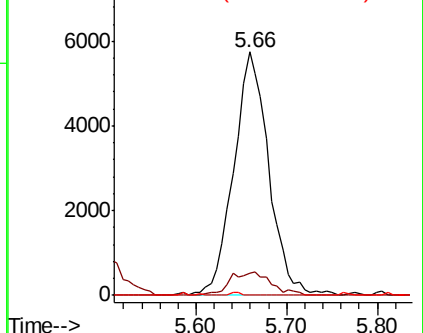
77 0.0 25.0 37.4#



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: 0.772 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

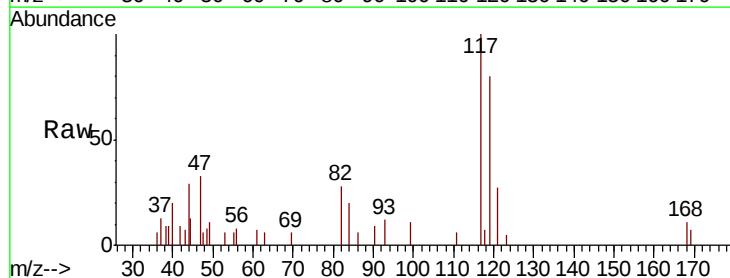
Tgt Ion: 117 Resp: 2388

Ion Ratio Lower Upper

117 100

119 80.4 74.2 111.2

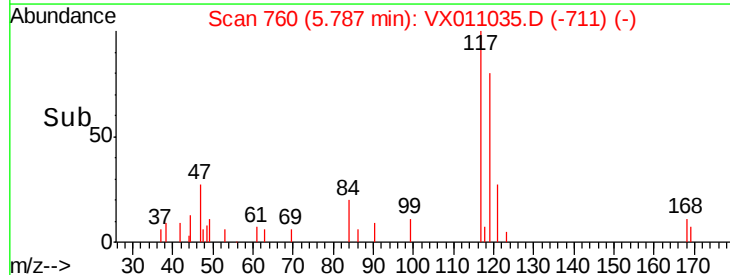
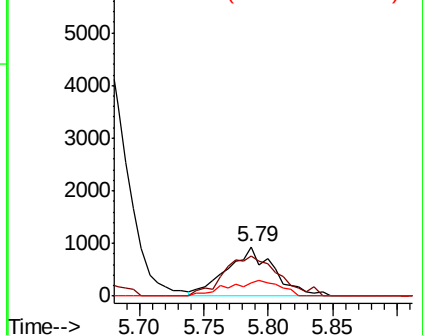
121 27.0 24.2 36.2

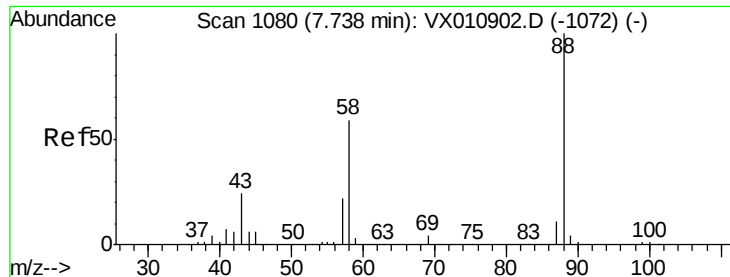


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.602 ug/l

RT: 7.95 min Scan# 1115

Delta R.T. 0.21 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

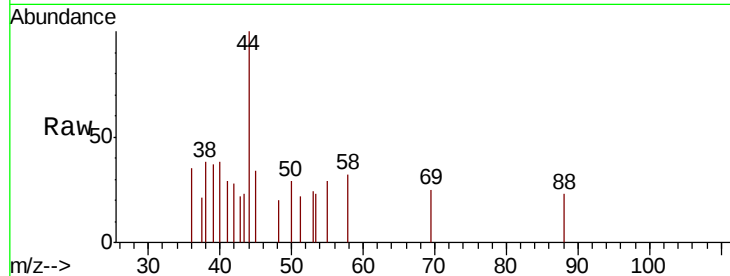
Tot Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 302.4 22.9 34.3#

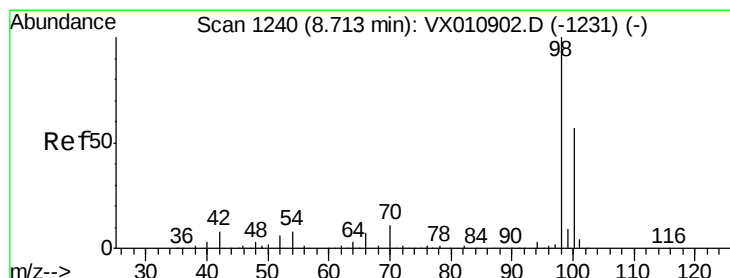
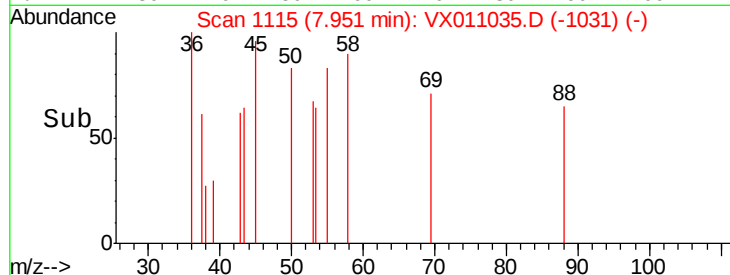
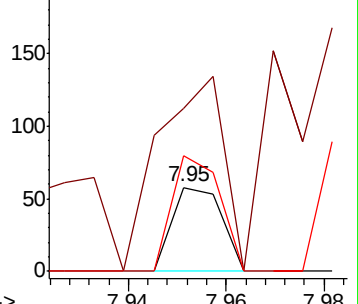
58 131.7 49.8 74.8#



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: 50.705 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011035.D

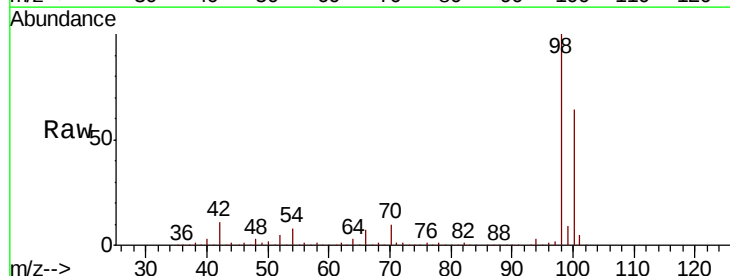
Acq: 22 Jul 2019 17:00

Tgt Ion: 98 Resp: 436413

Ion Ratio Lower Upper

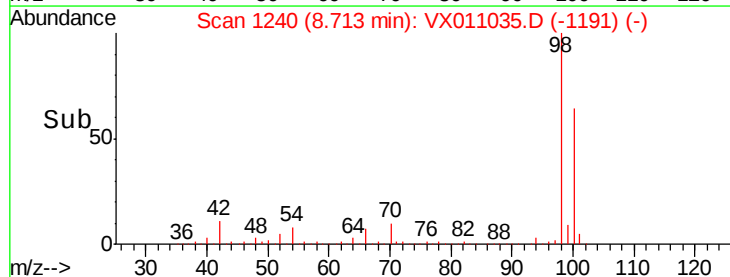
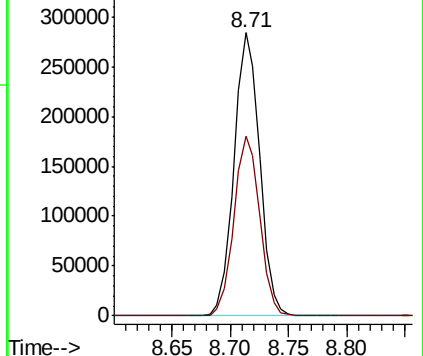
98 100

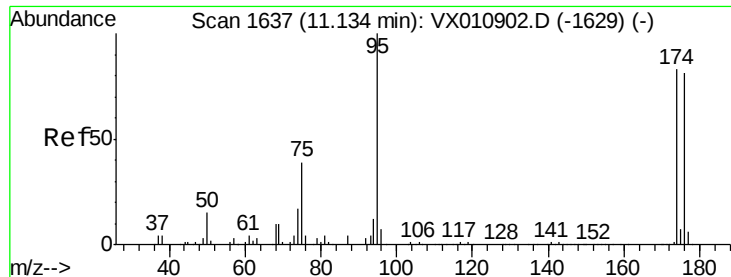
100 63.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.592 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

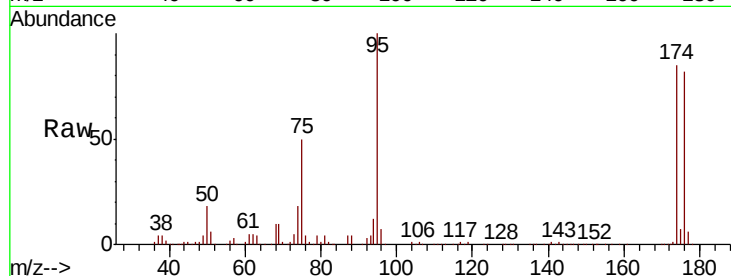
Tot Ion: 95 Resp: 156891

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.6

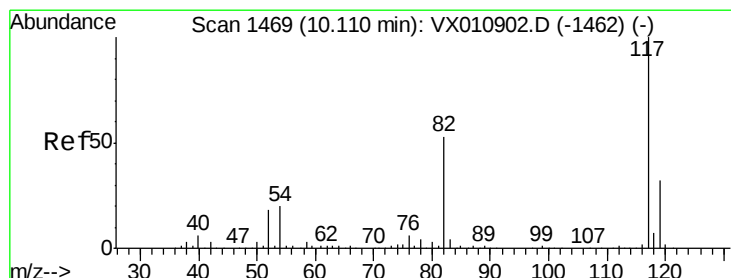
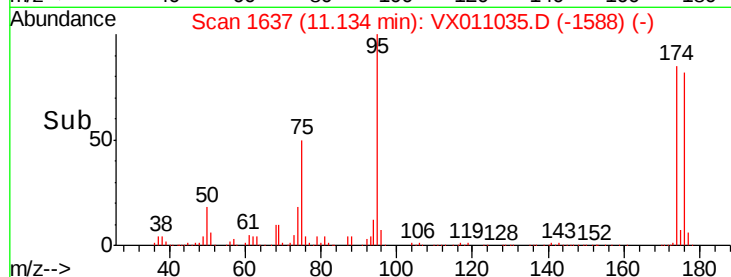
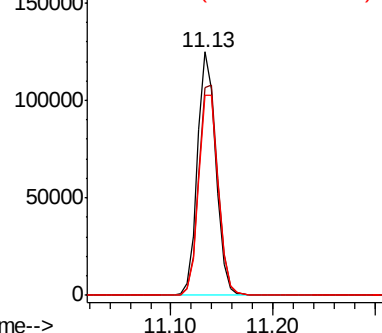
176 87.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

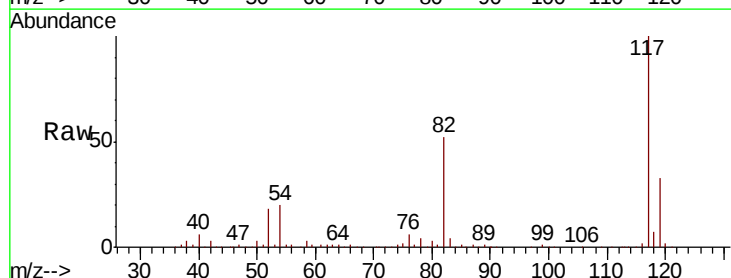
Tgt Ion: 117 Resp: 339583

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

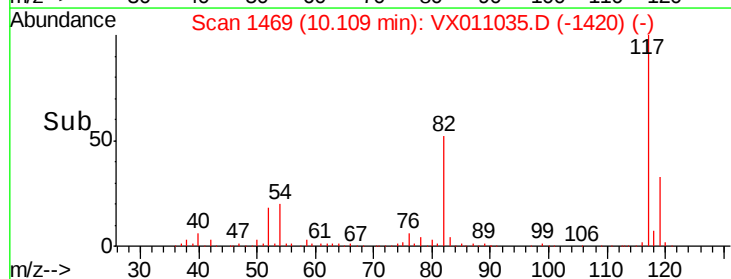
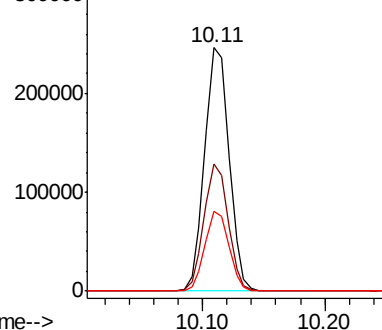
119 32.6 25.9 38.9

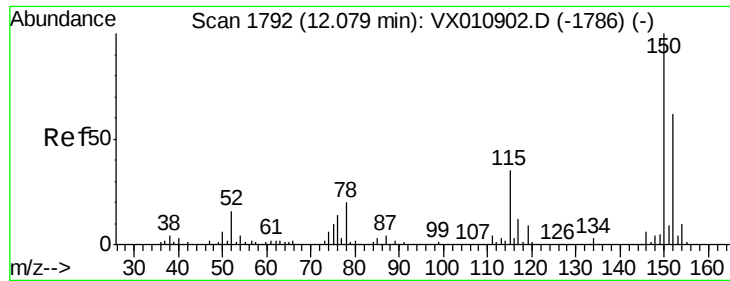


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

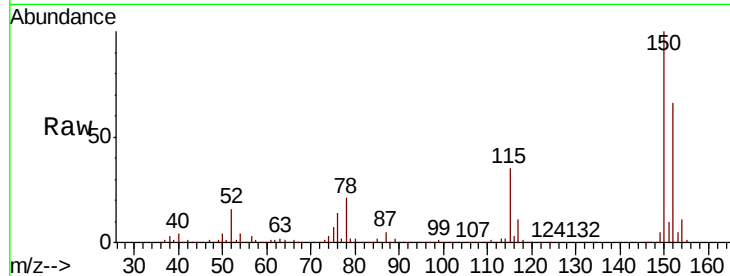
Tot Ion:152 Resp: 160590

Ion Ratio Lower Upper

152 100

115 55.3 39.7 119.1

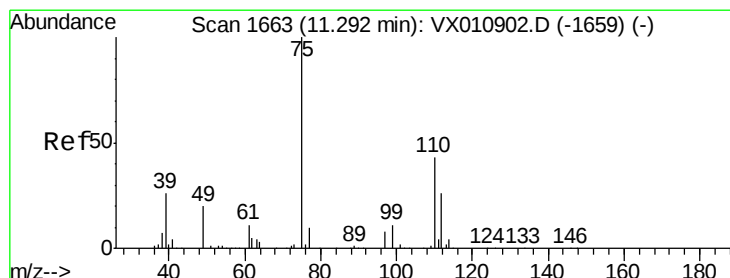
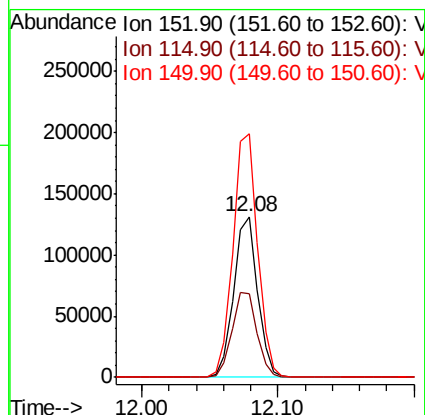
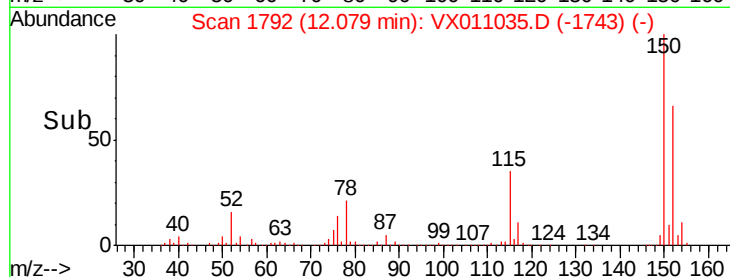
150 155.8 0.0 345.6



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: 26.899 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011035.D

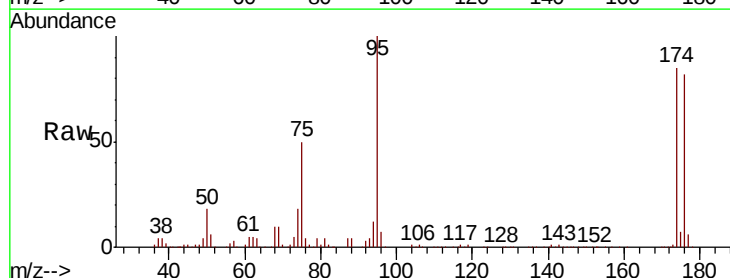
Acq: 22 Jul 2019 17:00

Tgt Ion: 75 Resp: 77952

Ion Ratio Lower Upper

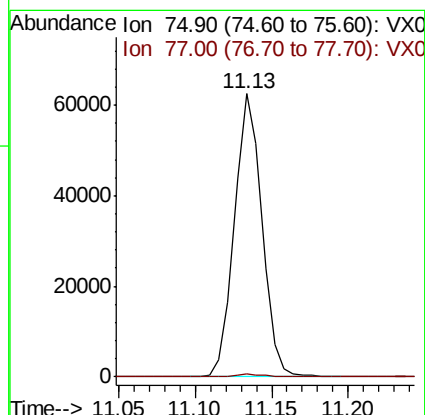
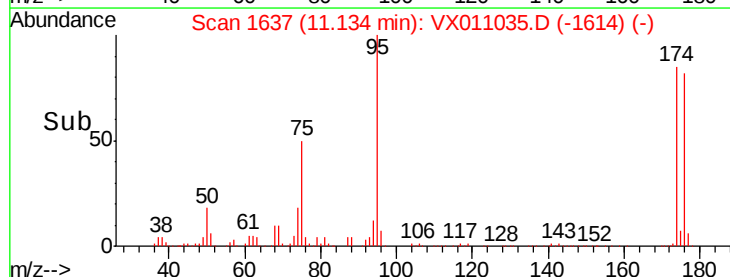
75 100

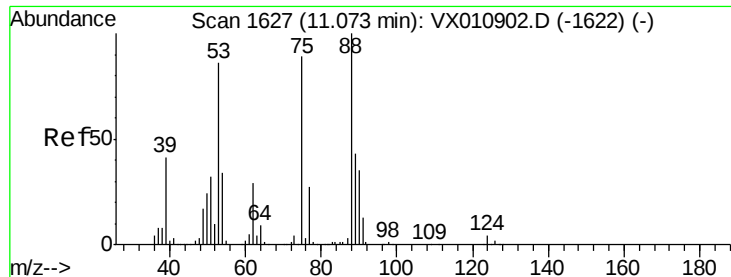
77 1.1 21.3 64.0#



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: 66.706 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011035.D

Acq: 22 Jul 2019 17:00

Instrument :

MSVOA_X

ClientSampleId :

POLY-TANK-GROUNDWATER

Tot Ion: 75 Resp: 77952

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#

