

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007440.D
 Acq On : 08 Feb 2019 14:23
 Operator : JC/SP
 Sample : K1431-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-31

Quant Time: Feb 08 23:38:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	75753	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	401171	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	351926	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	153713	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	11.13	95	149343	27.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.63%
63) Toluene-d8	8.71	98	475754	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

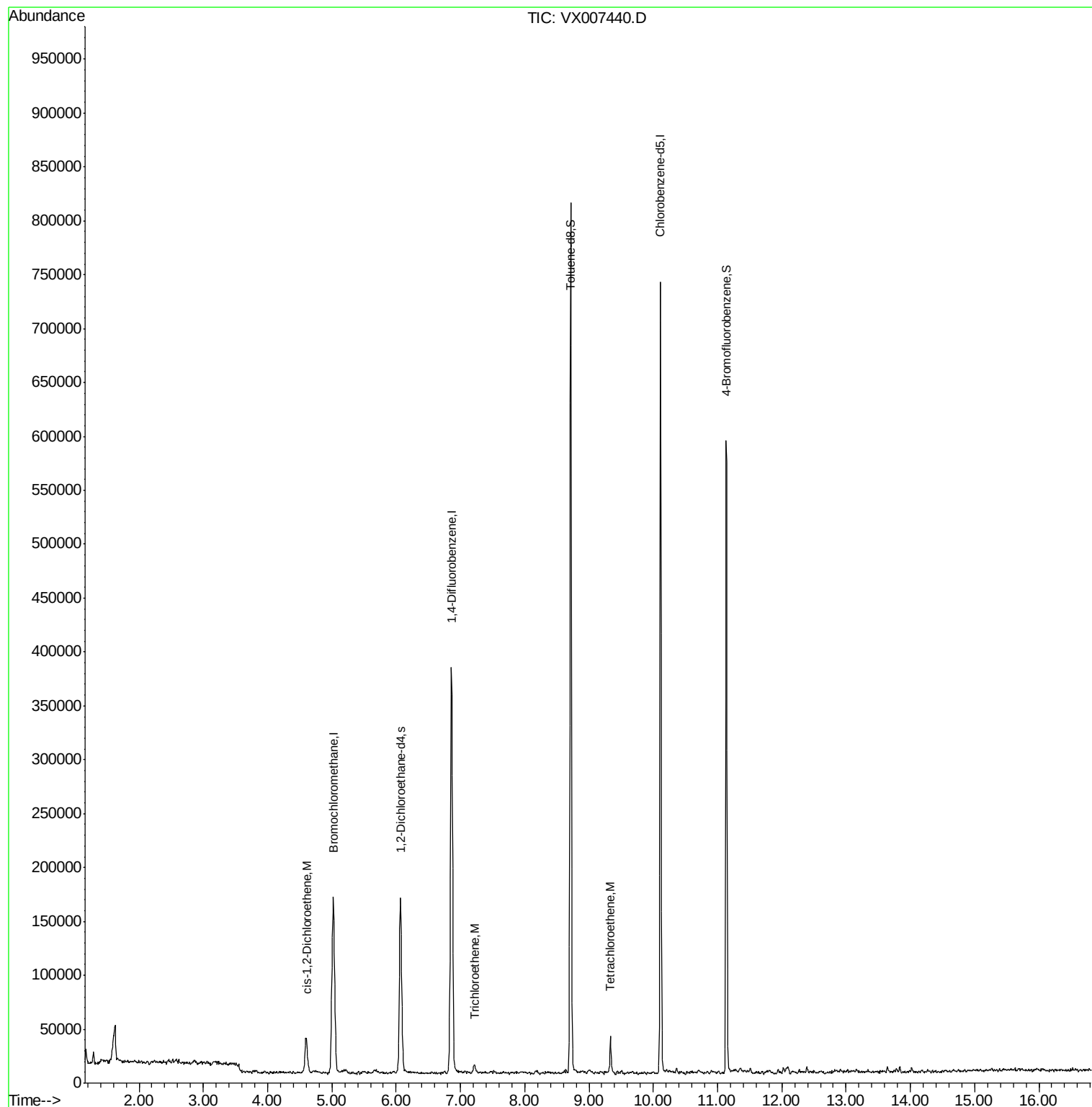
					Ovalue
22) cis-1,2-Dichloroethene	4.60	96	23049	4.951 ug/l	90
37) Trichloroethene	7.22	130	2983	0.627 ug/l	86
61) Tetrachloroethene	9.34	164	7035	1.434 ug/l	91

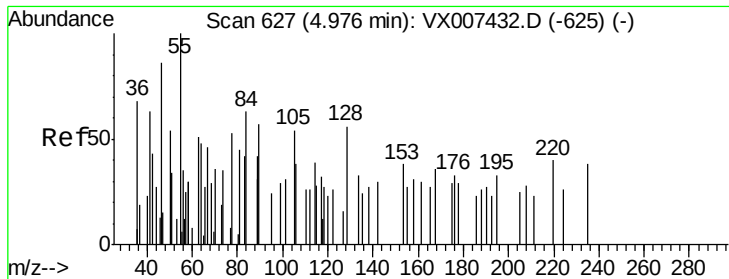
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 28 10:35:22 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

2-AVE-31

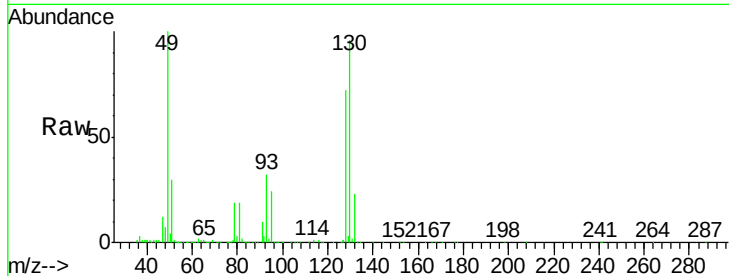
Tot Ion:128 Resp: 75753

Ion Ratio Lower Upper

128 100

49 136.2 0.0 345.5

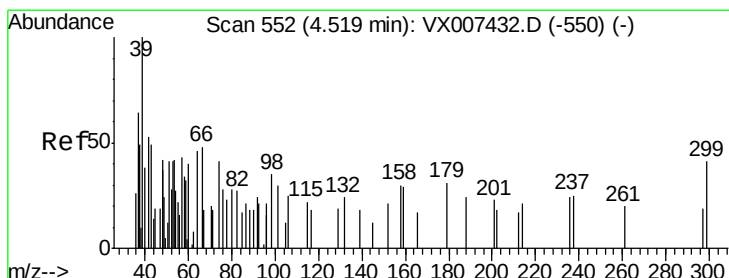
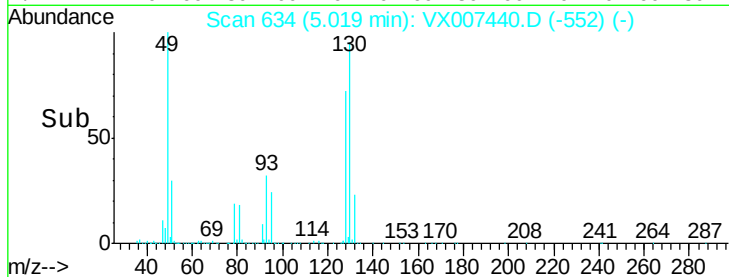
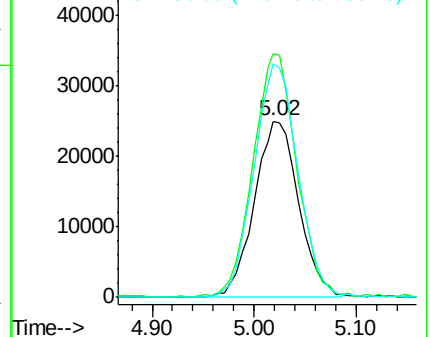
130 130.9 0.0 320.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 4.951 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

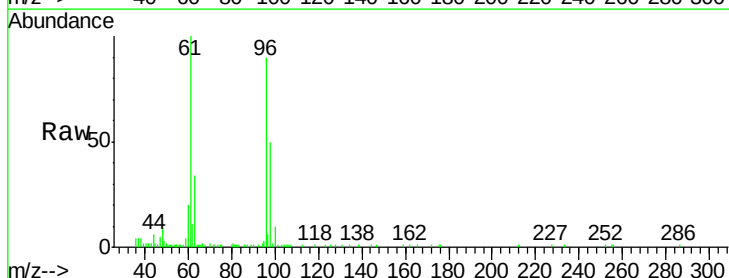
Tgt Ion: 96 Resp: 23049

Ion Ratio Lower Upper

96 100

61 117.3 108.1 162.1

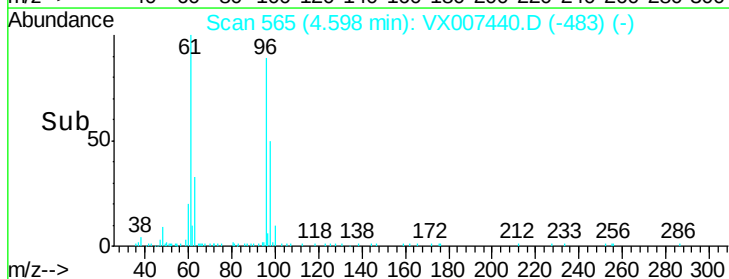
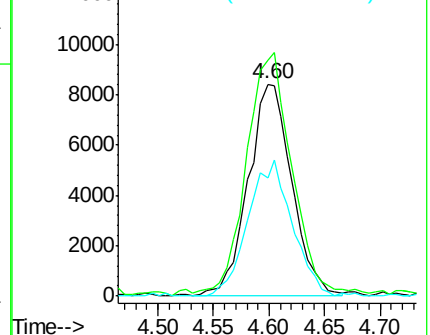
98 64.5 51.9 77.9

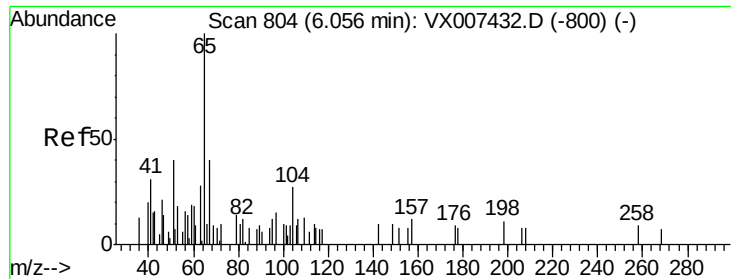


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.912 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

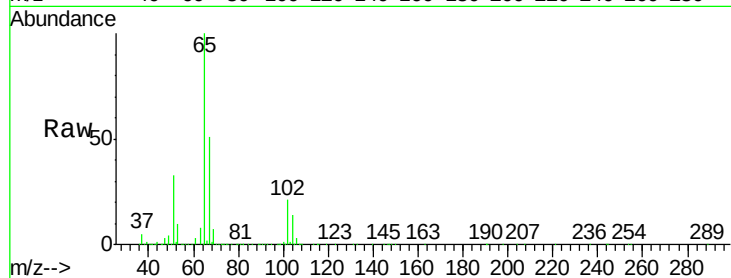
2-AVE-31

Tot Ion: 65 Resp: 153713

Ion Ratio Lower Upper

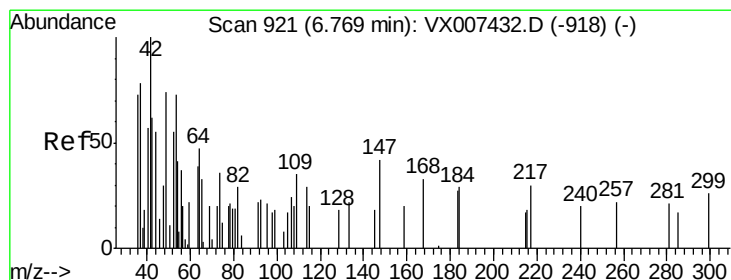
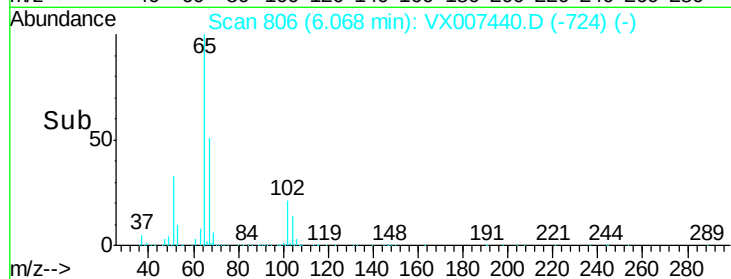
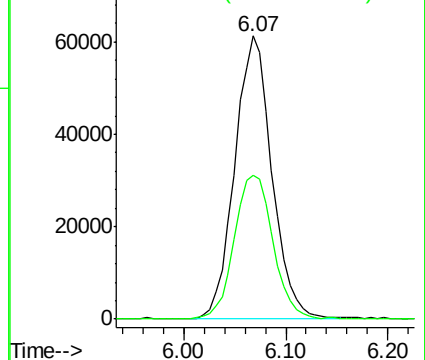
65 100

67 53.3 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

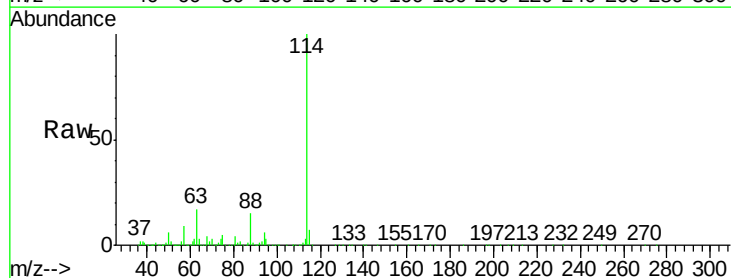
Tgt Ion: 114 Resp: 401171

Ion Ratio Lower Upper

114 100

63 18.0 14.6 21.8

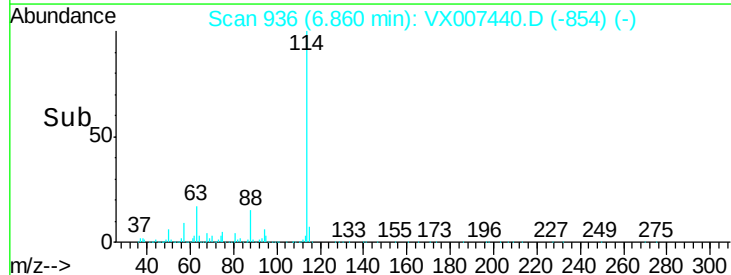
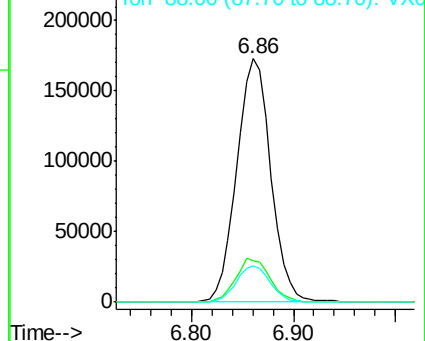
88 14.7 11.8 17.6

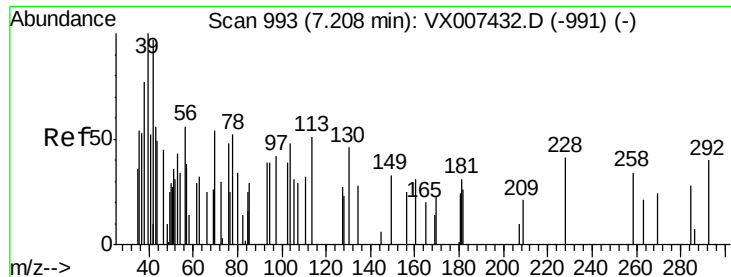


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

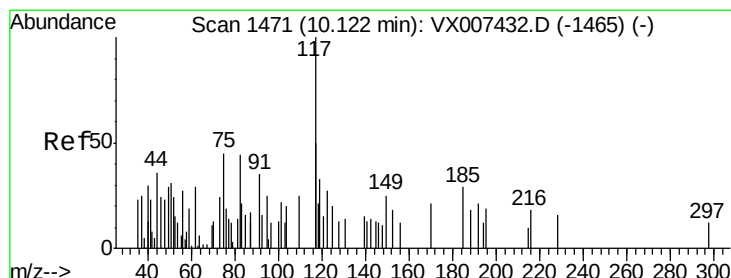
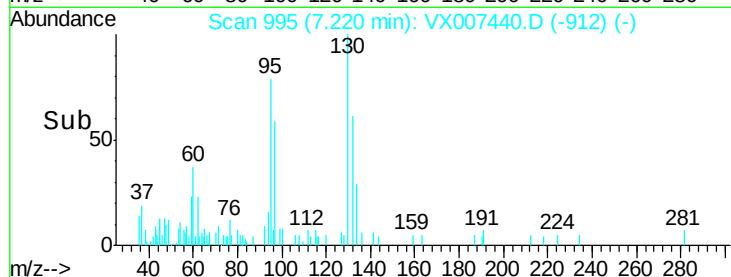
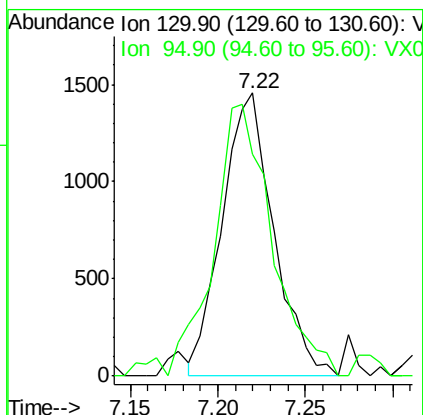
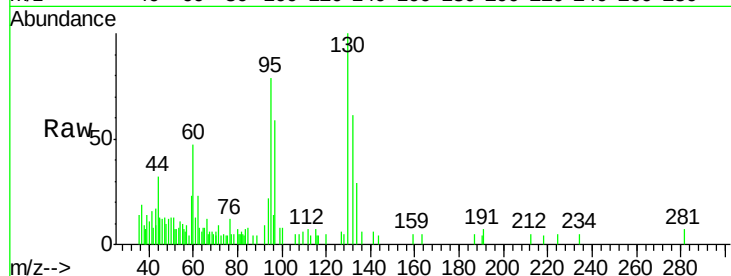




#37
 Trichloroethene
 Concen: 0.627 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX007440.D
 Acq: 08 Feb 2019 14:23

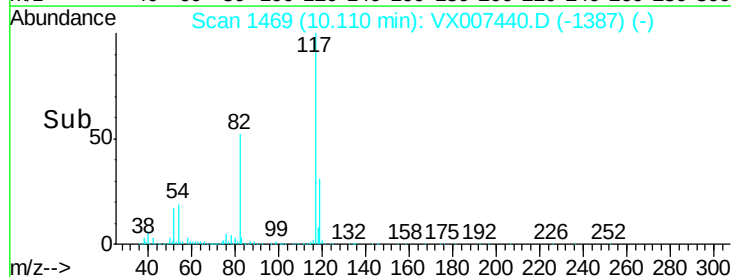
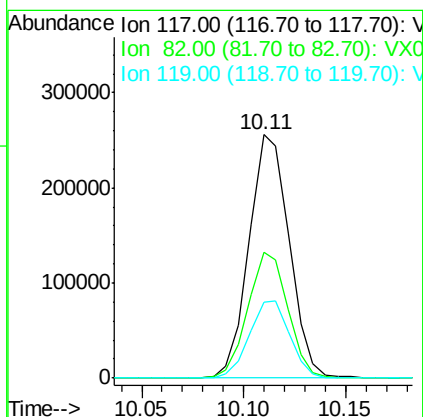
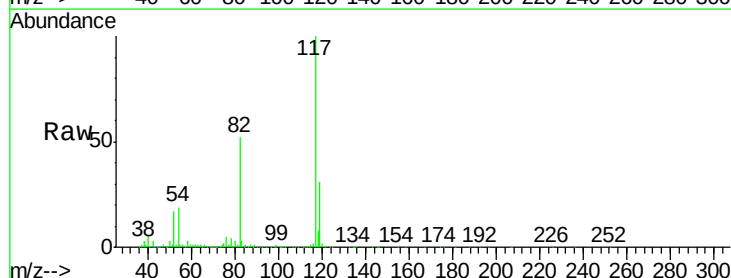
Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-31

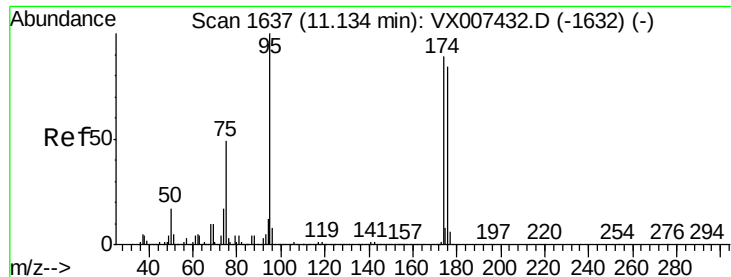
Tot Ion:130 Resp: 2983
 Ion Ratio Lower Upper
 130 100
 95 78.6 73.7 110.5



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX007440.D
 Acq: 08 Feb 2019 14:23

Tgt Ion:117 Resp: 351926
 Ion Ratio Lower Upper
 117 100
 82 51.5 41.4 62.0
 119 32.1 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 27.495 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

2-AVE-31

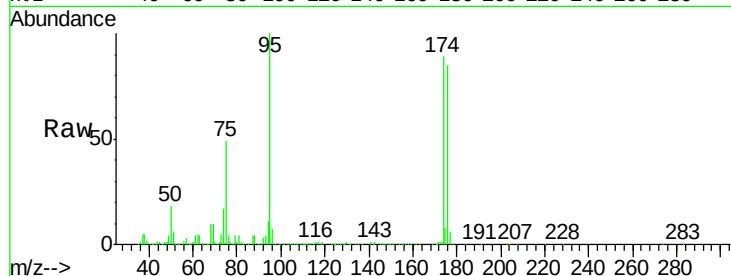
Tot Ion: 95 Resp: 149343

Ion Ratio Lower Upper

95 100

174 93.4 74.8 112.2

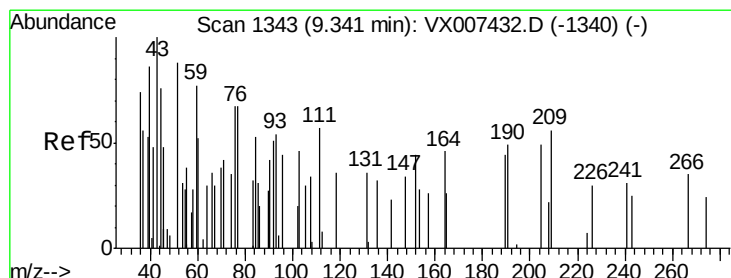
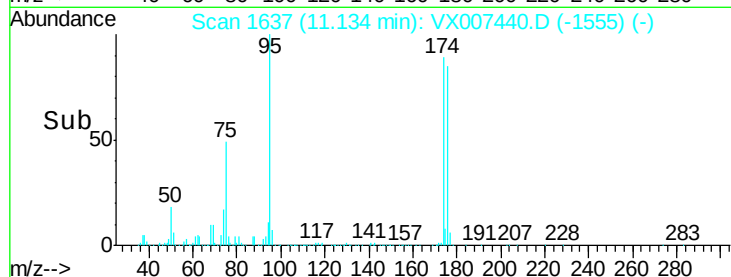
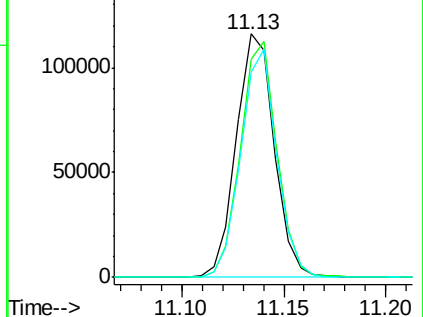
176 89.3 72.5 108.7



Abundance Ion 95.00 (94.70 to 95.70): VX007440.D (-1555) (-)

Ion 174.00 (173.70 to 174.70): VX007440.D (-1555) (-)

Ion 176.00 (175.70 to 176.70): VX007440.D (-1555) (-)



#61

Tetrachloroethene

Concen: 1.434 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

Tgt Ion: 164 Resp: 7035

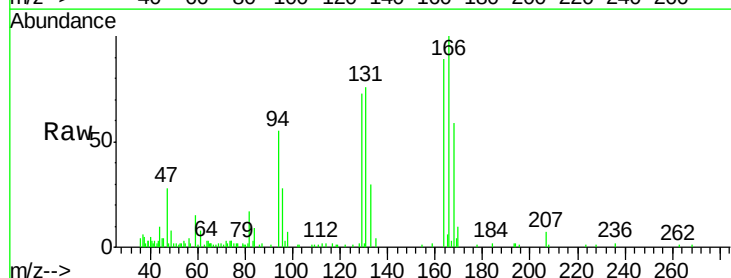
Ion Ratio Lower Upper

164 100

166 113.0 101.6 152.4

129 80.7 70.6 106.0

131 84.9 71.1 106.7

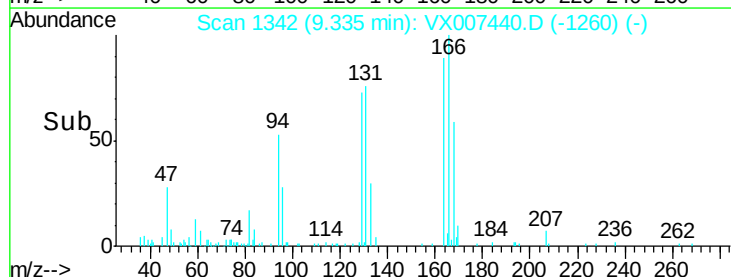
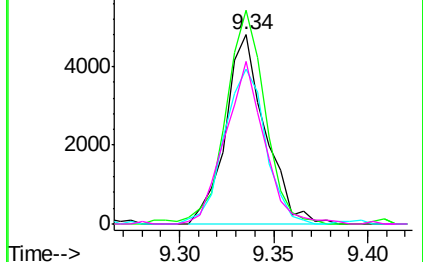


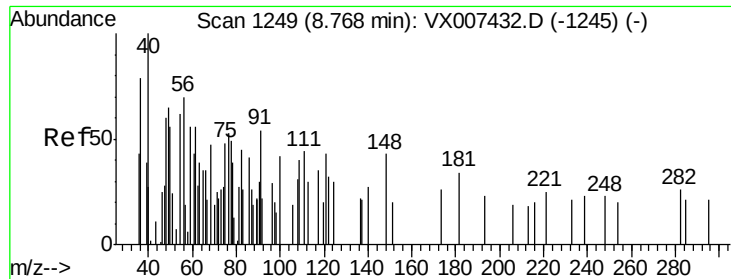
Abundance Ion 163.85 (163.55 to 164.55): VX007440.D (-1260) (-)

Ion 165.80 (165.50 to 166.50): VX007440.D (-1260) (-)

Ion 128.90 (128.60 to 129.60): VX007440.D (-1260) (-)

Ion 130.90 (130.60 to 131.60): VX007440.D (-1260) (-)





#63

Toluene-d8

Concen: 29.992 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007440.D

Acq: 08 Feb 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-31

Tot Ion: 98 Resp: 475754

Ion Ratio Lower Upper

98 100

100 62.5 49.9 74.9

