

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009883.D
 Acq On : 24 May 2019 13:50
 Operator : JC/SP
 Sample : K3015-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-TB4

Quant Time: May 25 00:13:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	123982	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	5.50	113	88028	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.71	98	367412	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	123283	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds

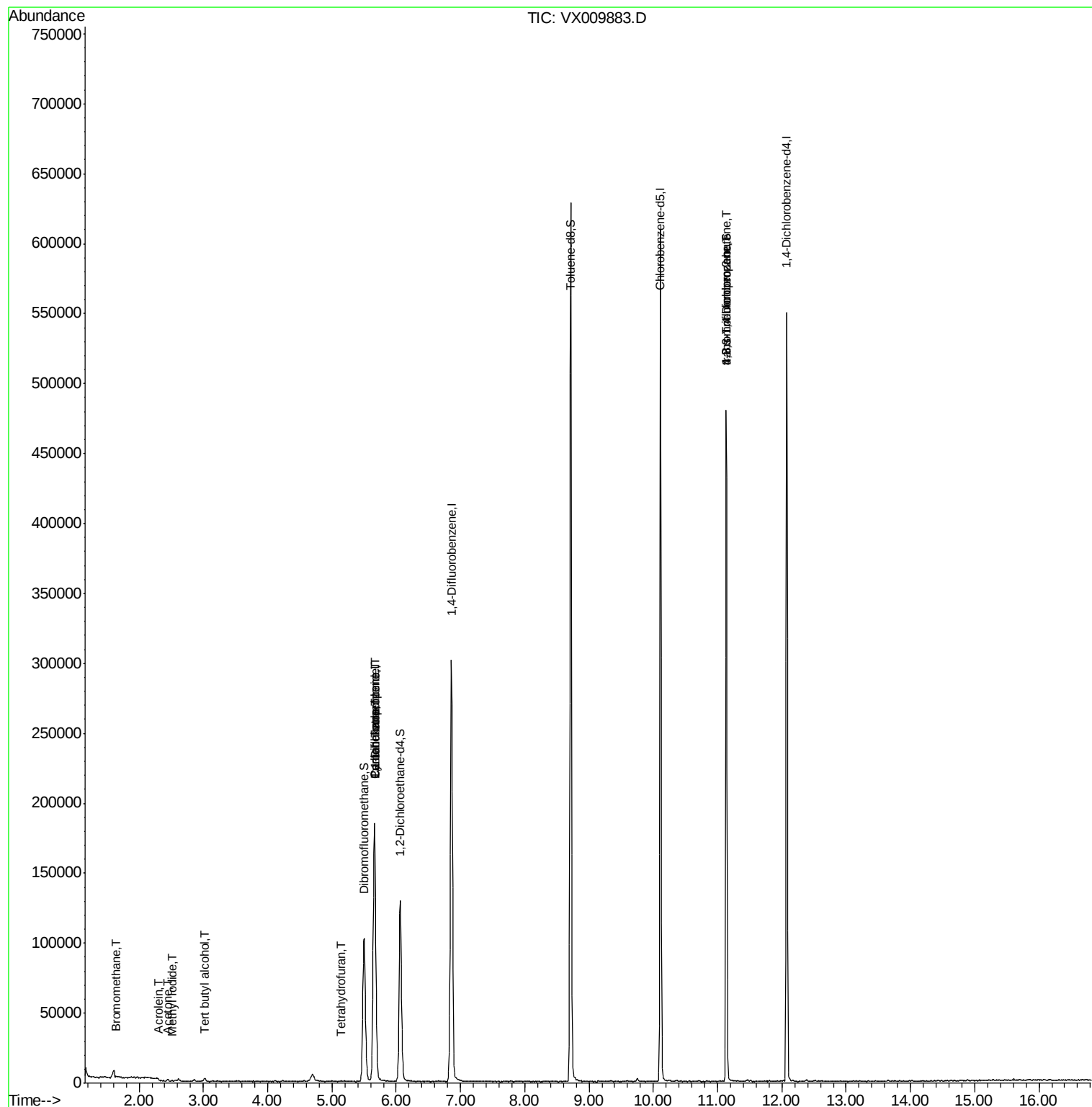
					Qvalue	
5) Bromomethane	1.65	94	525	0.401	ug/l #	52
10) Methyl Iodide	2.51	142	277	4.724	ug/l #	63
11) Tert butyl alcohol	3.03	59	1457	2.592	ug/l #	89
13) Acrolein	2.30	56	123	0.242	ug/l #	14
16) Acetone	2.44	43	1648	1.264	ug/l	99
28) Bromochloromethane	5.04	49	134	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	392	0.301	ug/l #	53
31) Cyclohexane	5.66	56	4035	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14962	5.539	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16750	6.824	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	64400	24.665	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64400	63.108	ug/l #	10

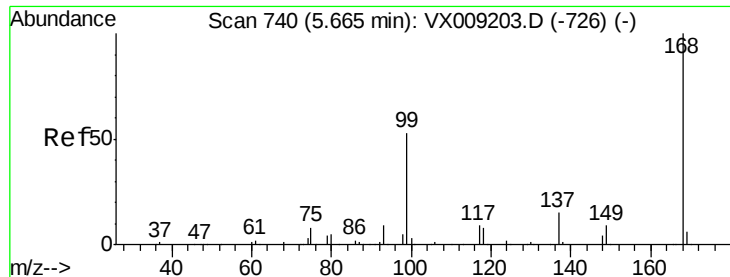
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052419\
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Quant Time: May 25 00:13:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

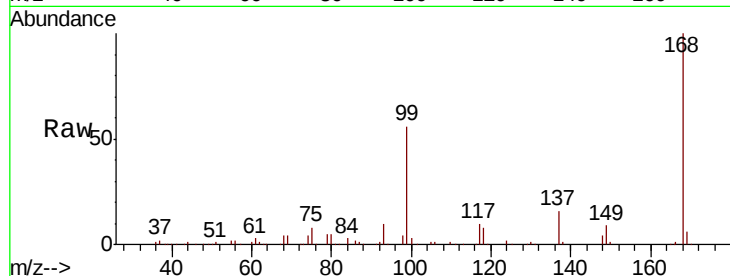
OUTFALL001-TB4

Tot Ion:168 Resp: 177916

Ion Ratio Lower Upper

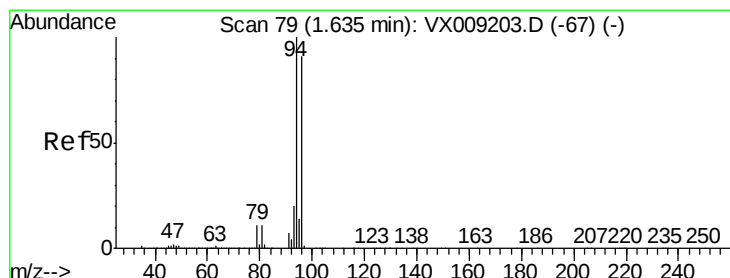
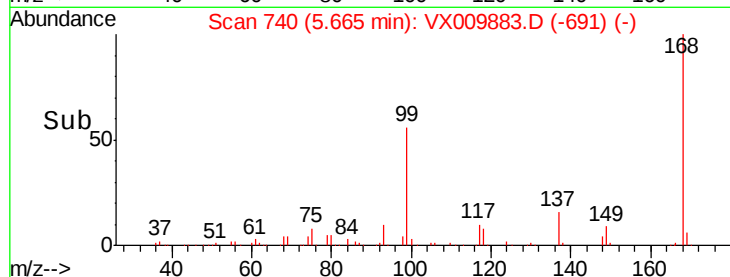
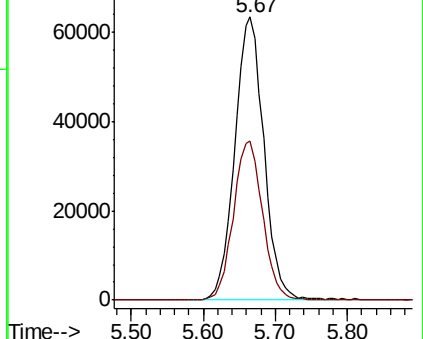
168 100

99 56.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.401 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009883.D

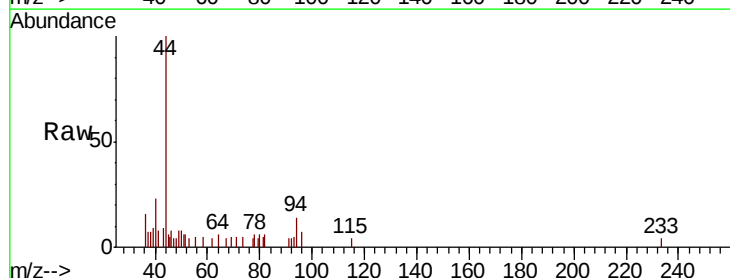
Acq: 24 May 2019 13:50

Tgt Ion: 94 Resp: 525

Ion Ratio Lower Upper

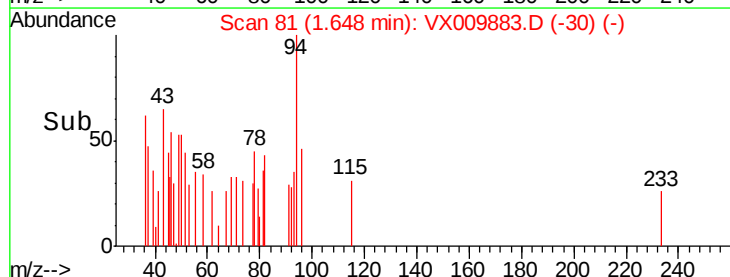
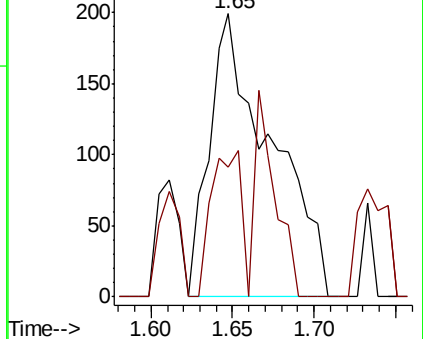
94 100

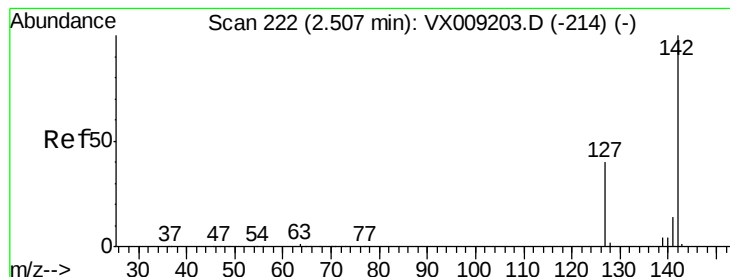
96 45.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 4.724 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB4

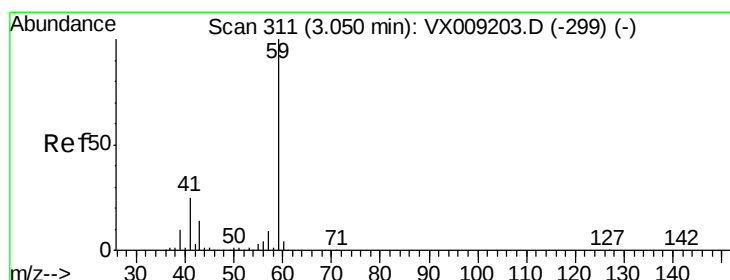
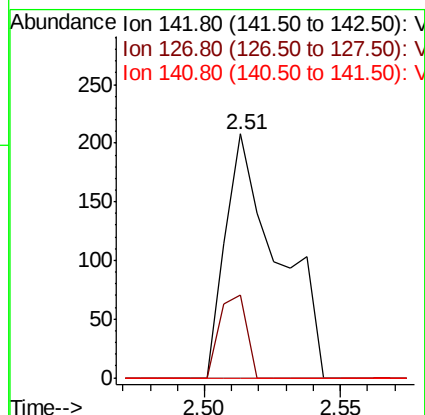
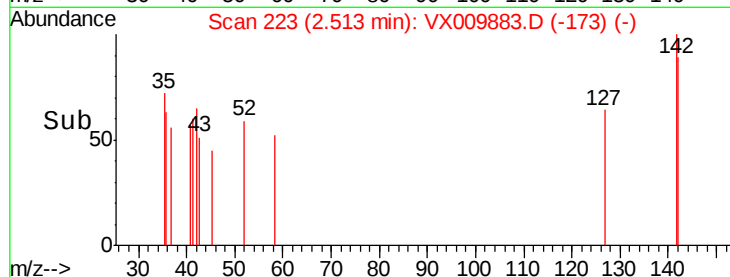
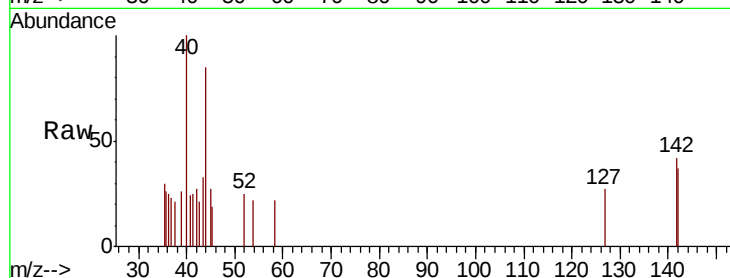
Tot Ion:142 Resp: 277

Ion Ratio Lower Upper

142 100

127 17.7 32.7 49.1#

141 0.0 11.5 17.3#



#11

Tert butyl alcohol

Concen: 2.592 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009883.D

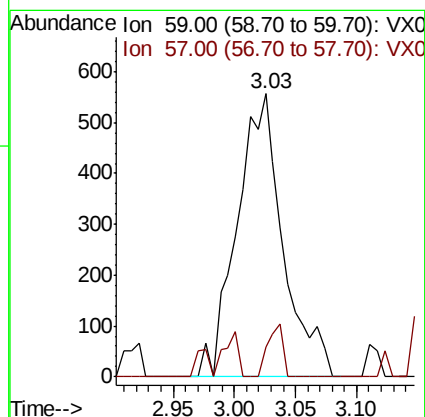
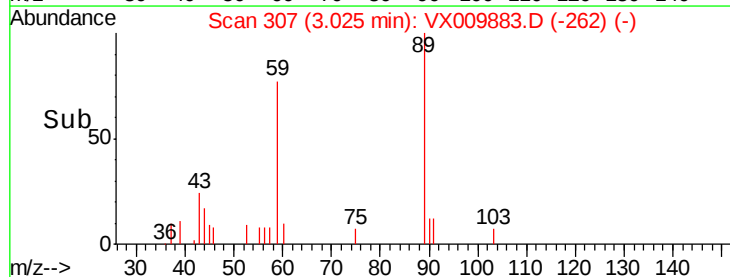
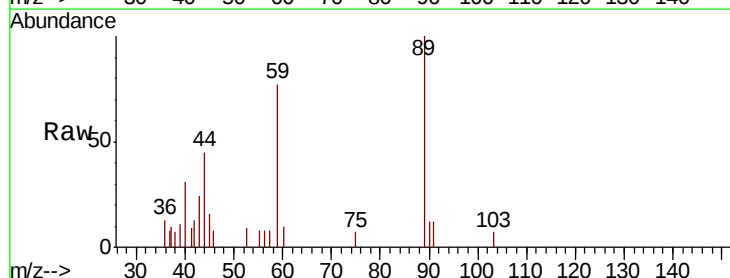
Acq: 24 May 2019 13:50

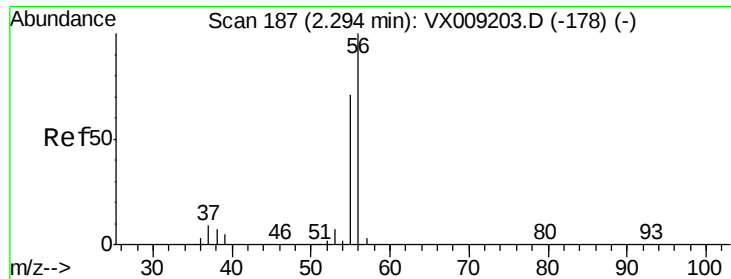
Tgt Ion: 59 Resp: 1457

Ion Ratio Lower Upper

59 100

57 6.2 8.2 12.2#





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

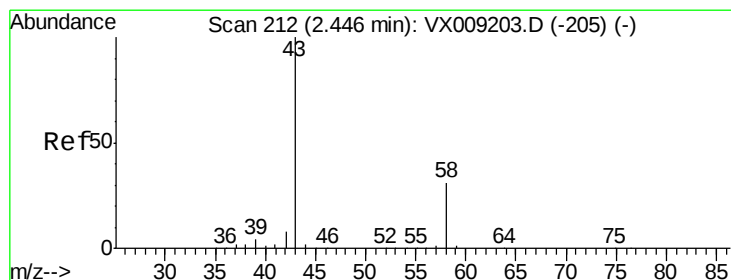
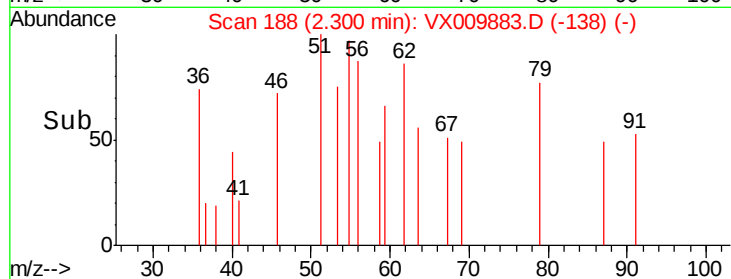
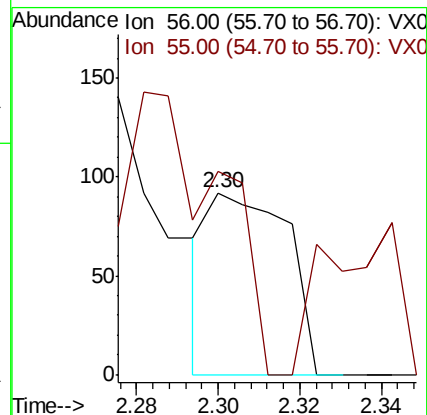
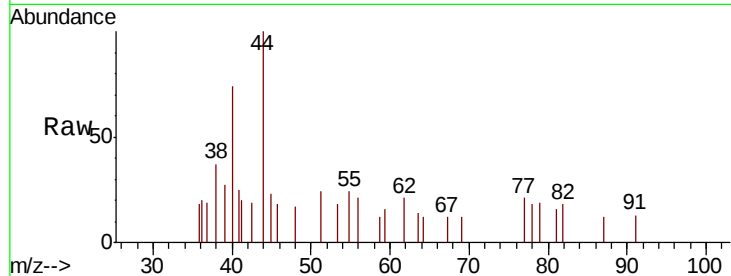
OUTFALL001-TB4

Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 1.264 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009883.D

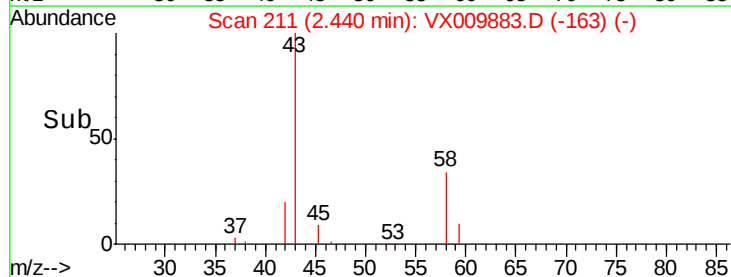
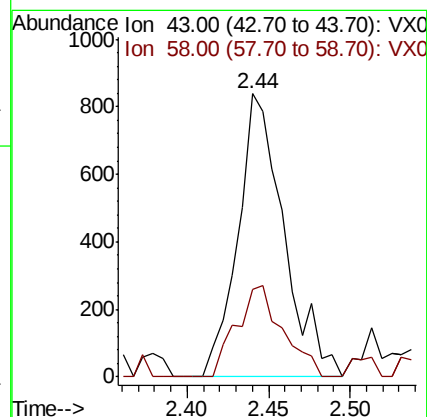
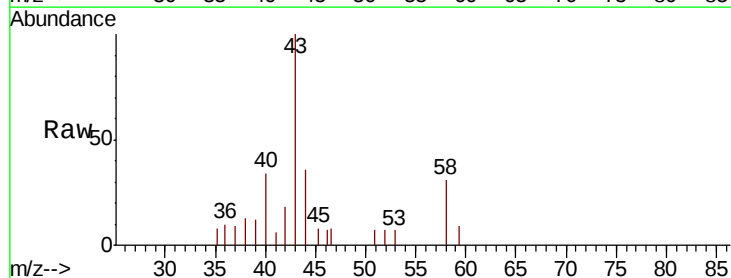
Acq: 24 May 2019 13:50

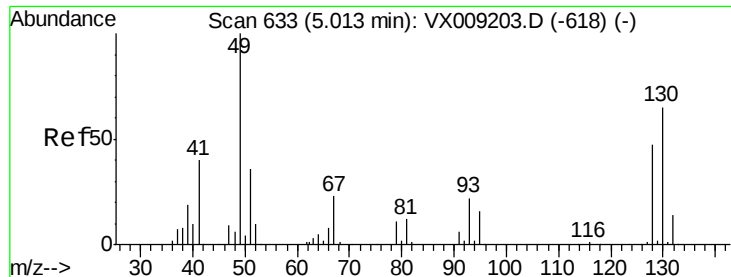
Tgt Ion: 43 Resp: 1648

Ion Ratio Lower Upper

43 100

58 30.8 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB4

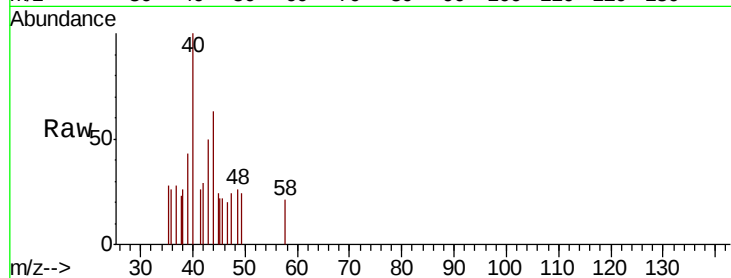
Tot Ion: 49 Resp: 134

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

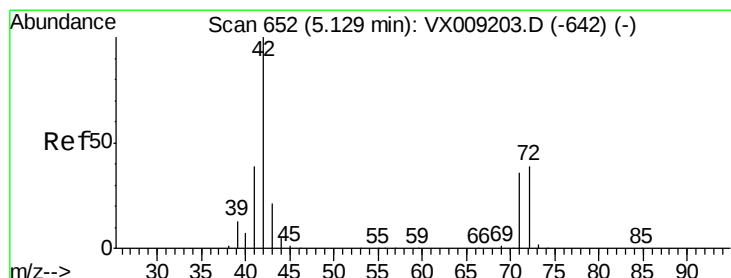
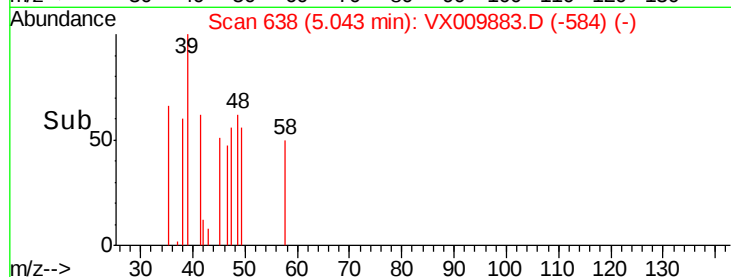
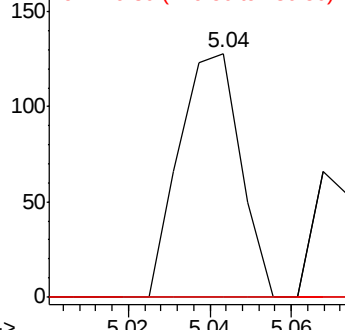
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

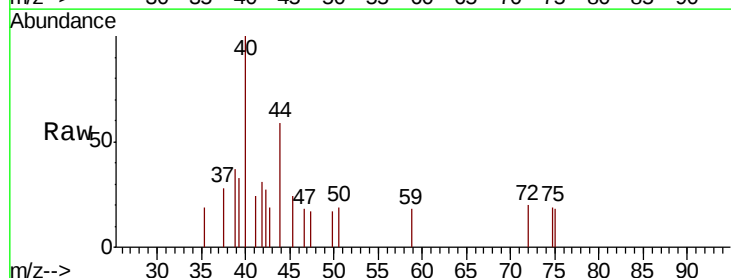
Tgt Ion: 42 Resp: 392

Ion Ratio Lower Upper

42 100

72 12.2 30.4 45.6#

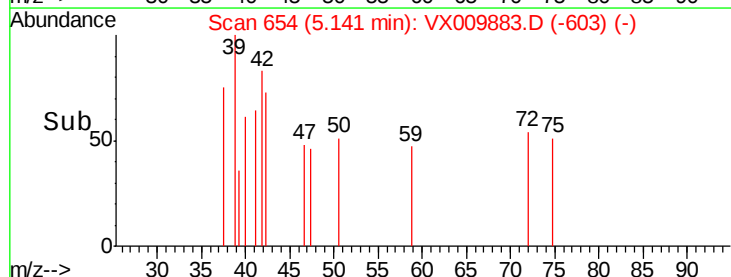
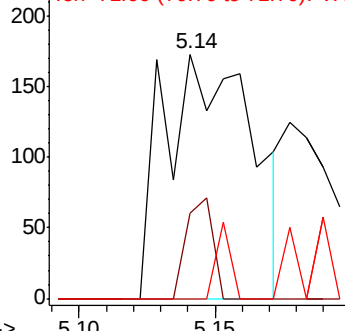
71 5.1 28.6 43.0#

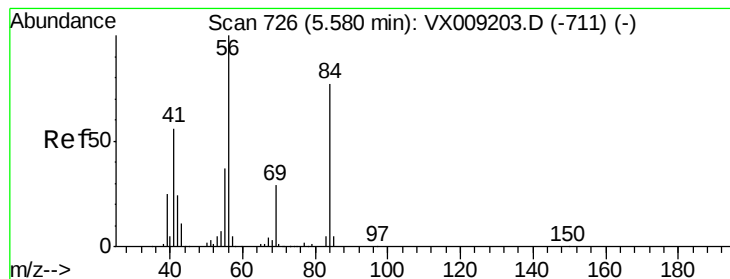


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB4

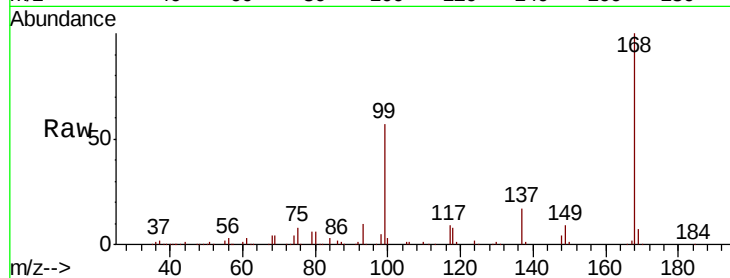
Tot Ion: 56 Resp: 4035

Ion Ratio Lower Upper

56 100

69 178.6 23.4 35.0#

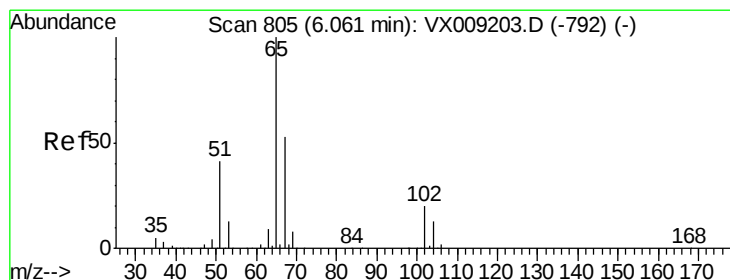
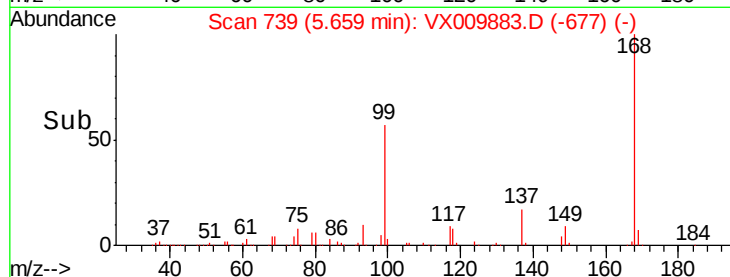
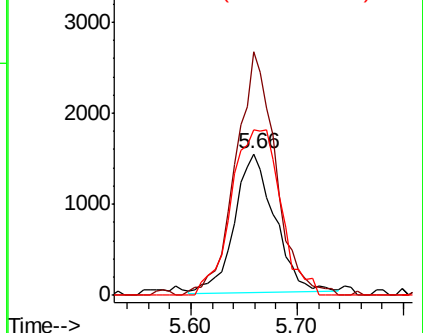
84 121.5 61.9 92.9#



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: 51.047 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009883.D

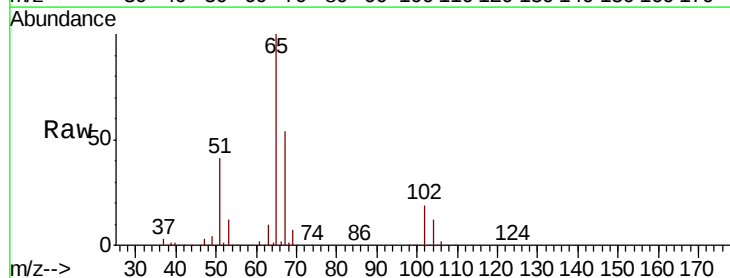
Acq: 24 May 2019 13:50

Tgt Ion: 65 Resp: 123982

Ion Ratio Lower Upper

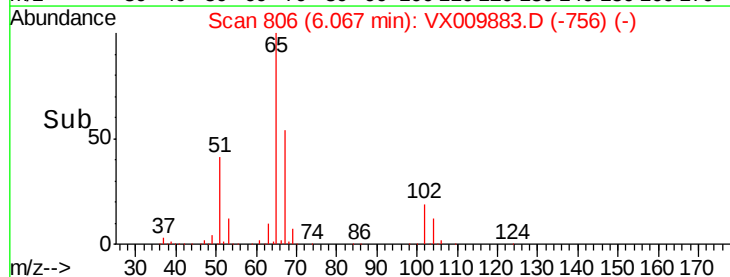
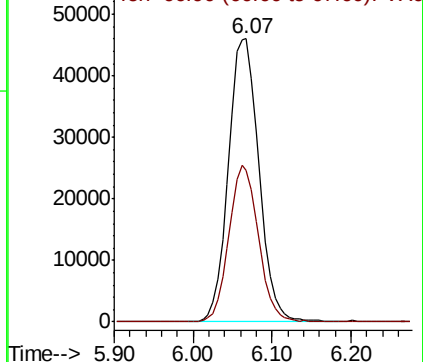
65 100

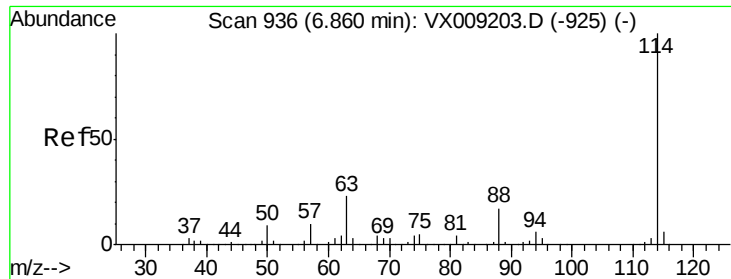
67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

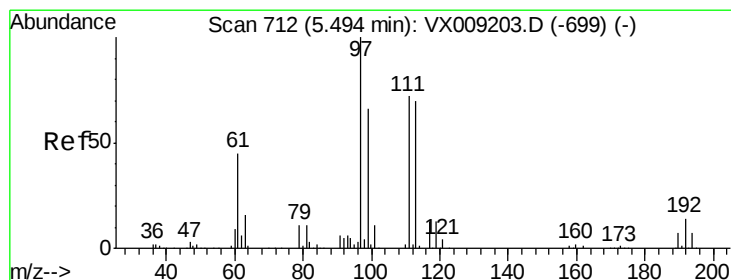
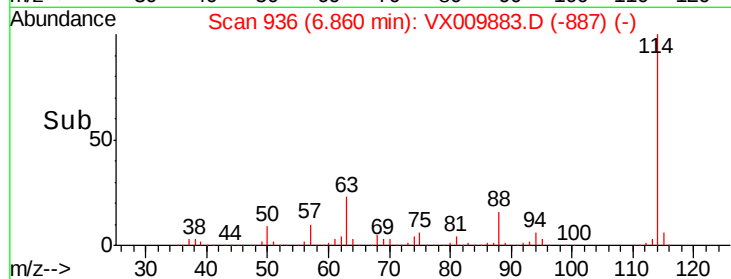
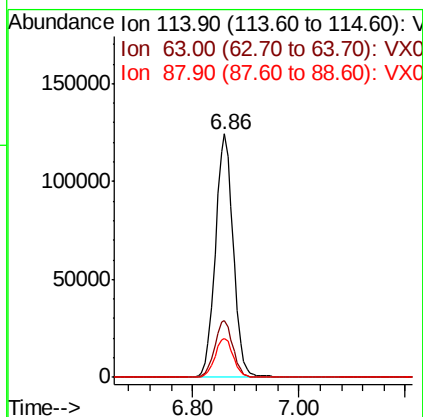
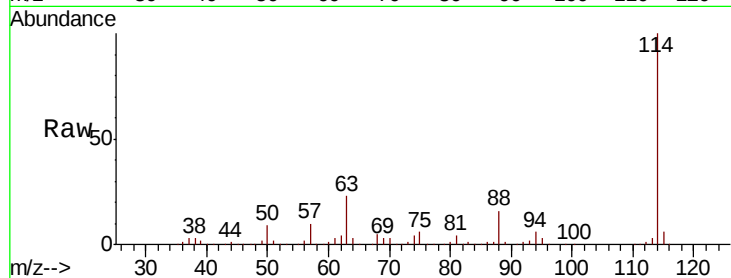




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009883.D
 Acq: 24 May 2019 13:50

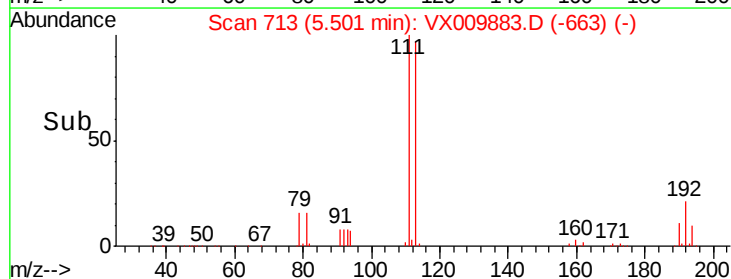
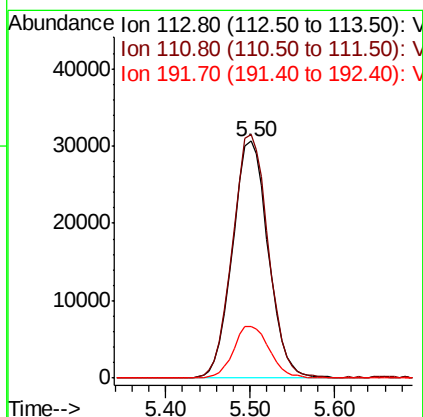
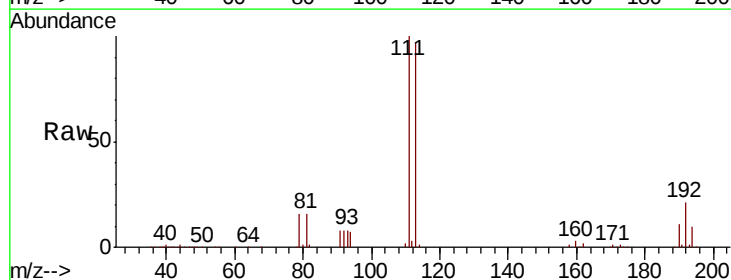
Instrument :
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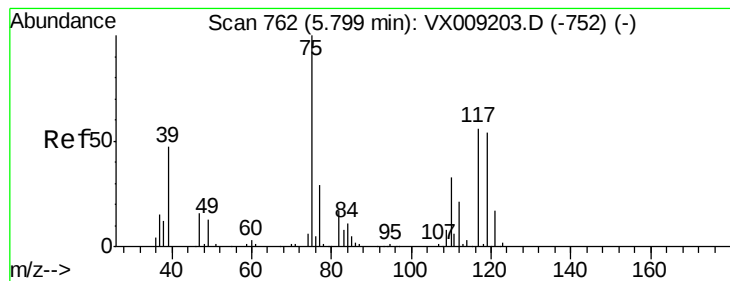
Tot Ion:114 Resp: 290690
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.0 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.171 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009883.D
 Acq: 24 May 2019 13:50

Tgt Ion:113 Resp: 88028
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.539 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB4

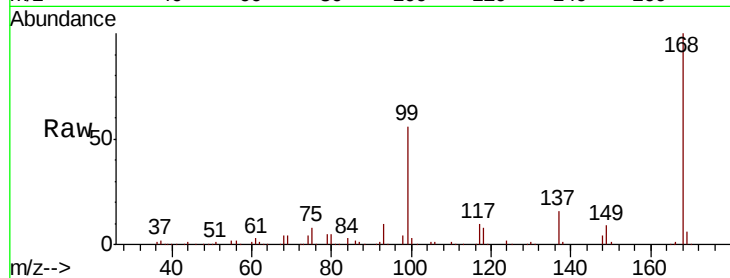
Tot Ion: 75 Resp: 14962

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.6#

77 0.1 24.8 37.2#



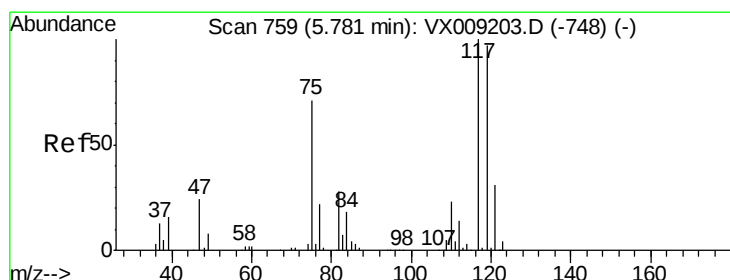
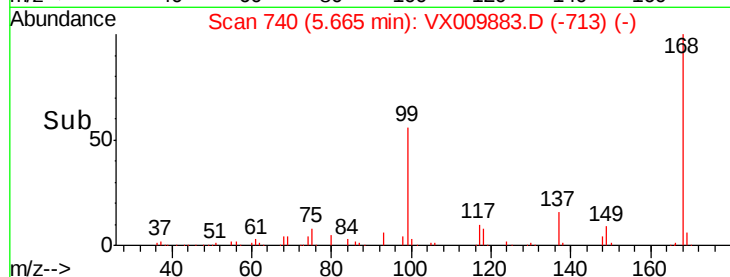
Abundance Ion 74.90 (74.60 to 75.60): VX009203.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX009203.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX009203.D (-752) (-)

5.67

Time-->



#38

Carbon Tetrachloride

Concen: 6.824 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

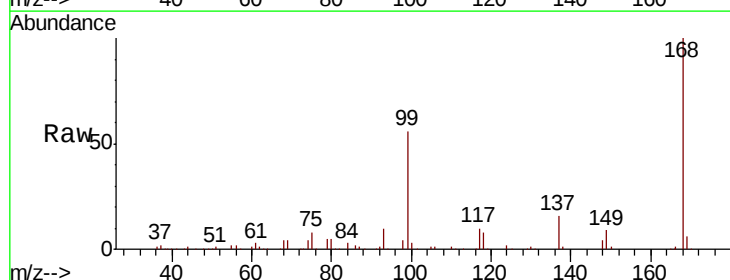
Tgt Ion: 117 Resp: 16750

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

121 0.0 24.7 37.1#



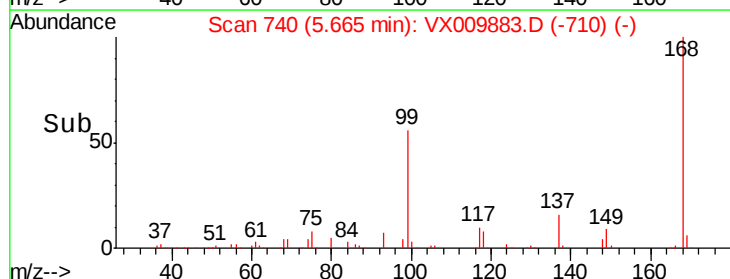
Abundance Ion 116.80 (116.50 to 117.50): VX009203.D (-748) (-)

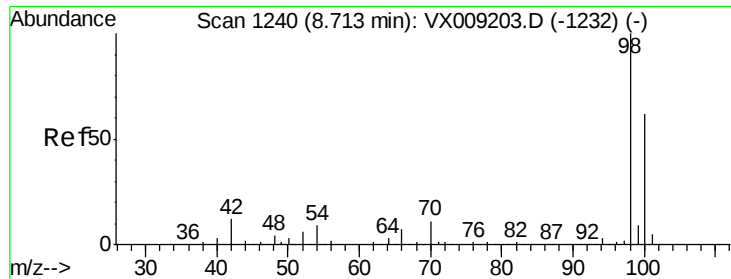
Ion 118.80 (118.50 to 119.50): VX009203.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX009203.D (-748) (-)

5.67

Time-->





#50

Toluene-d8

Concen: 49.801 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

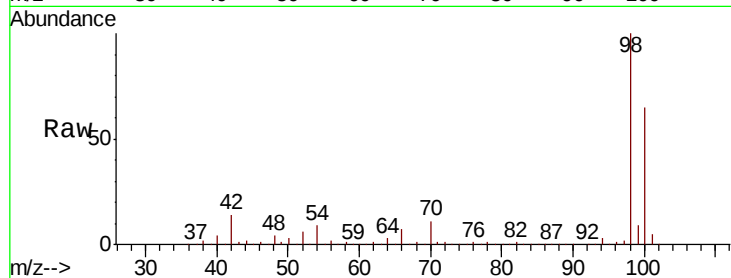
OUTFALL001-TB4

Tot Ion: 98 Resp: 367412

Ion Ratio Lower Upper

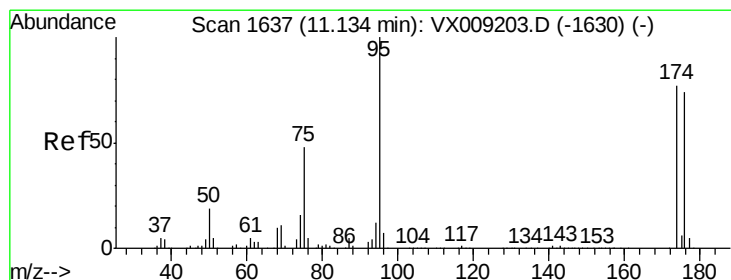
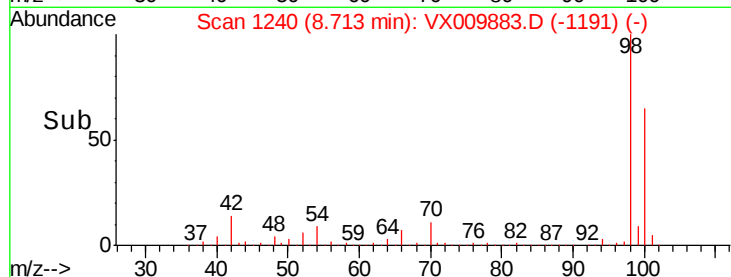
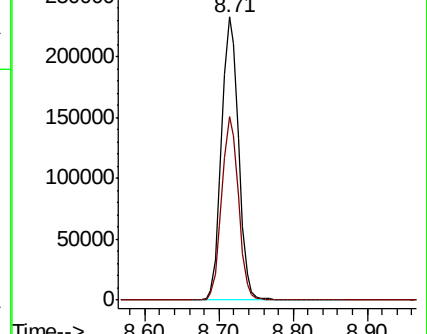
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009883.D

Acq: 24 May 2019 13:50

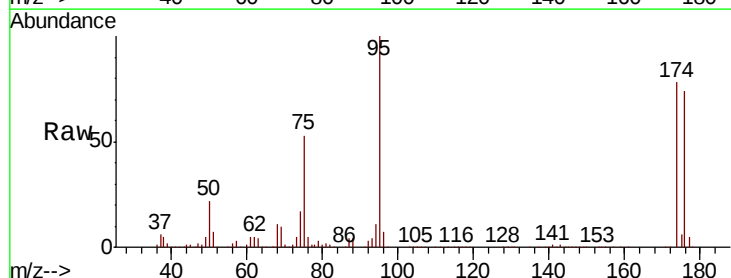
Tgt Ion: 95 Resp: 123283

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

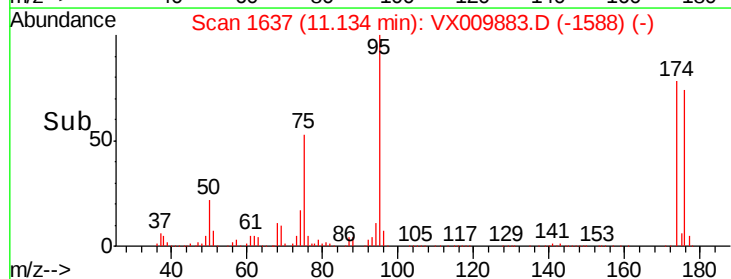
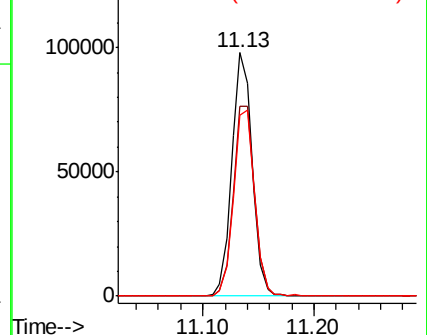
176 79.1 0.0 159.2

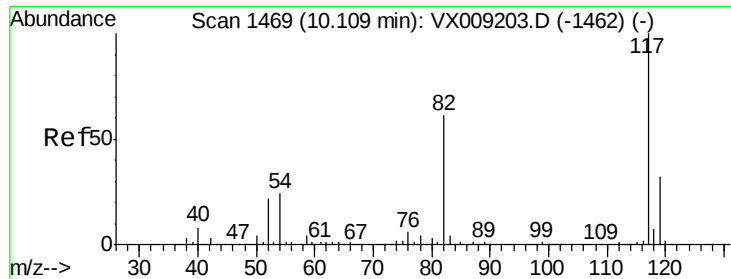


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

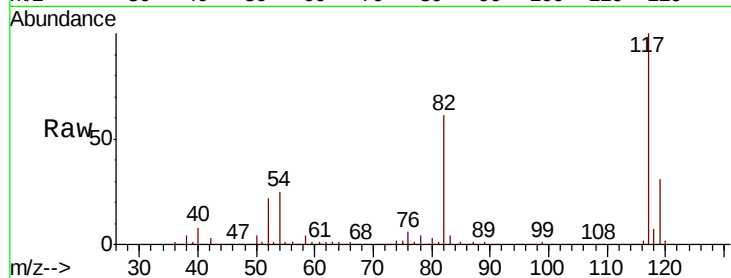




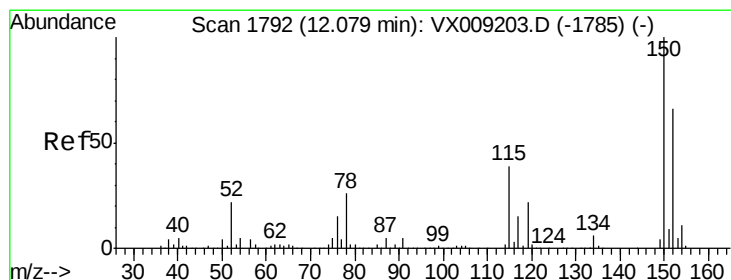
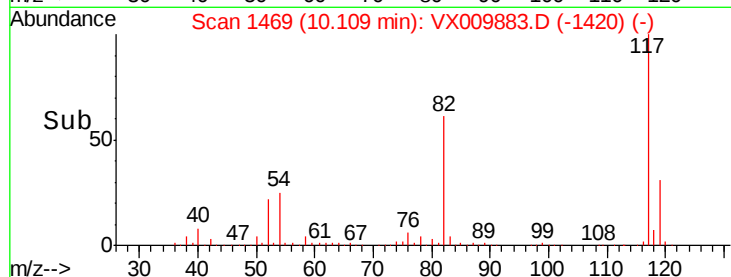
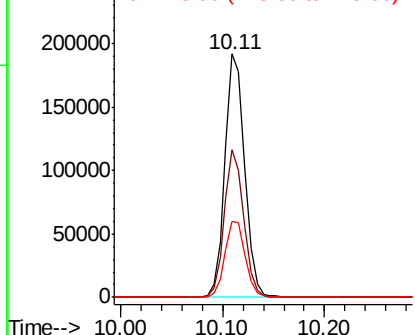
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009883.D
Acq: 24 May 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-TB4

Tot Ion:117 Resp: 257609
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 31.3 25.8 38.6

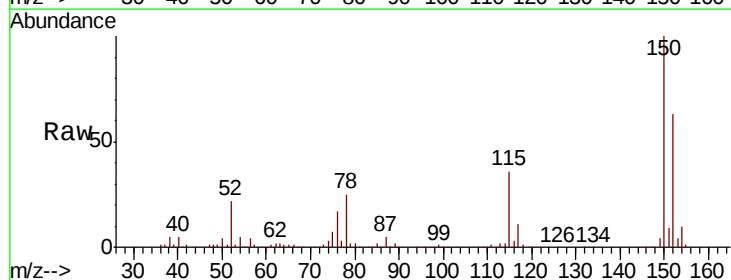


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

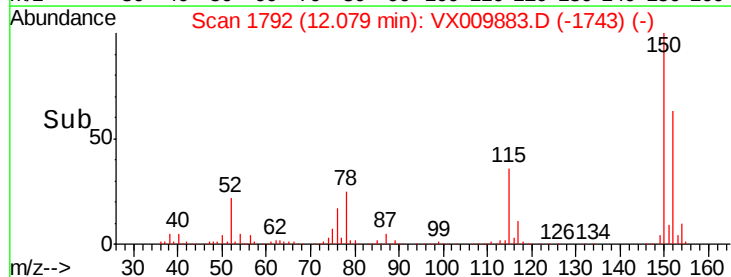
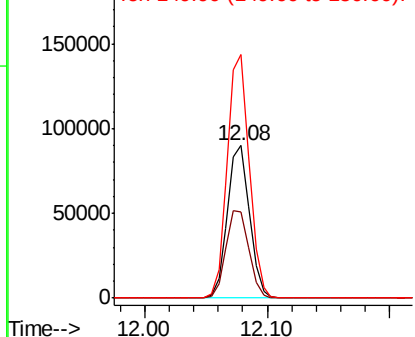


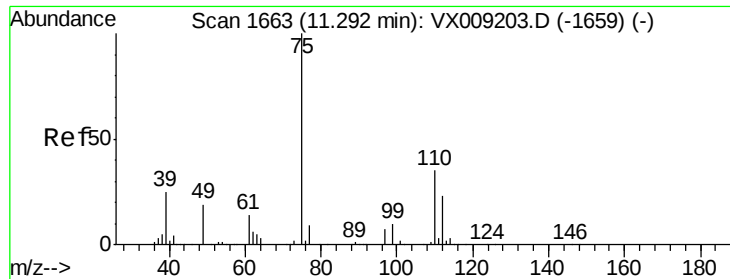
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009883.D
Acq: 24 May 2019 13:50

Tgt Ion:152 Resp: 112561
Ion Ratio Lower Upper
152 100
115 59.7 41.2 123.6
150 158.2 0.0 346.4



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

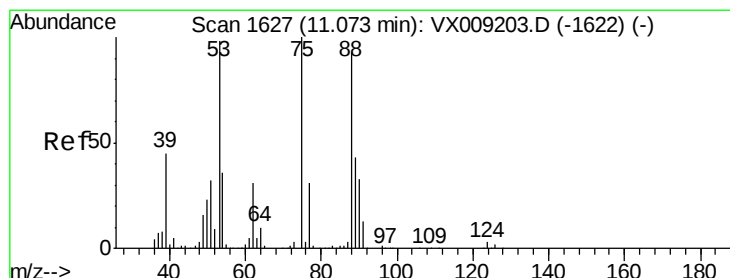
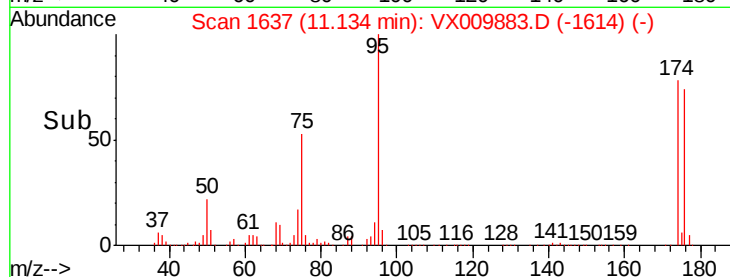
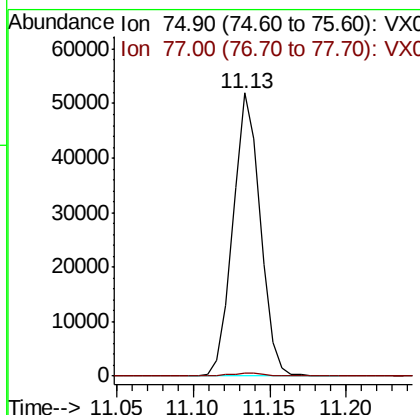
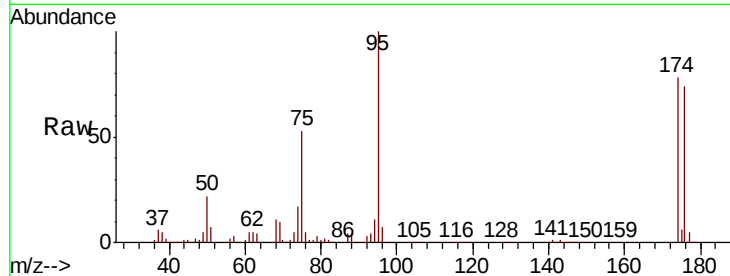




#76
 1,2,3-Trichloropropane
 Concen: 24.665 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009883.D
 Acq: 24 May 2019 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-TB4

Tot Ion: 75 Resp: 64400
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.108 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009883.D
 Acq: 24 May 2019 13:50

Tgt Ion: 75 Resp: 64400
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

