

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009610.D
 Acq On : 16 May 2019 16:21
 Operator : JC/SP
 Sample : K2886-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-TB3

Quant Time: May 17 06:39:08 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

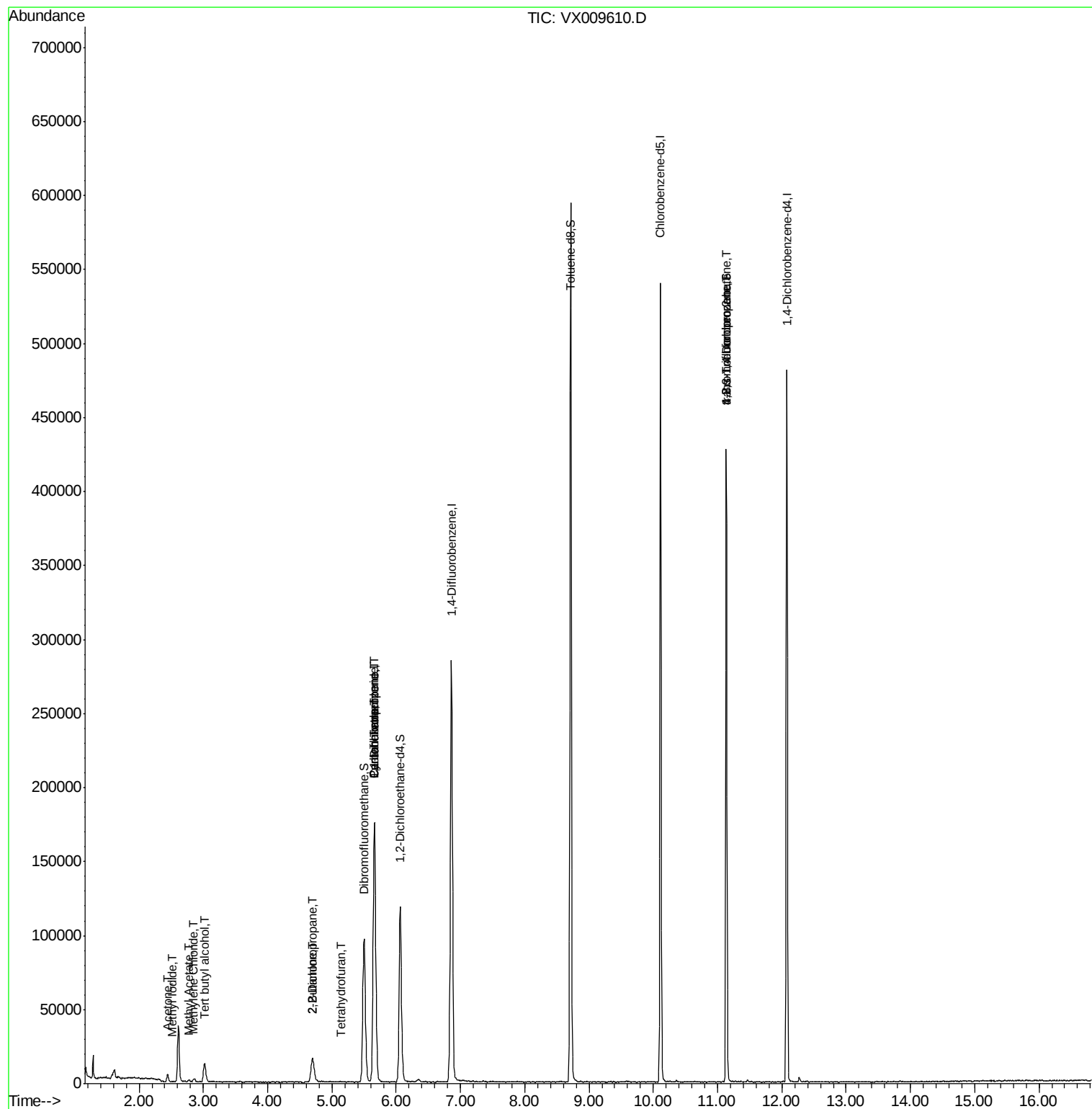
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113956	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	82491	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	340191	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	109986	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.51	142	111	4.648	ug/l #	63
11) Tert butyl alcohol	3.02	59	8977	16.616	ug/l #	83
16) Acetone	2.45	43	5514	4.400	ug/l	89
18) Methyl Acetate	2.78	43	1660	0.557	ug/l #	90
20) Methylene Chloride	2.85	84	961	0.474	ug/l	96
25) 2-Butanone	4.69	43	1514	0.777	ug/l #	81
26) 2,2-Dichloropropane	4.70	77	1391	0.504	ug/l #	53
28) Bromochloromethane	5.01	49	18	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	278	0.222	ug/l #	74
31) Cyclohexane	5.67	56	3862	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13630	5.400	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16223	7.074	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	56849	25.034	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56849	64.054	ug/l #	10

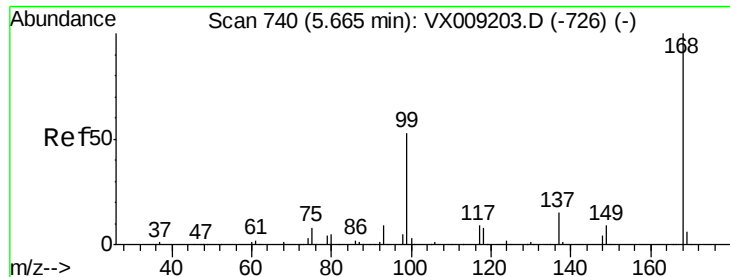
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

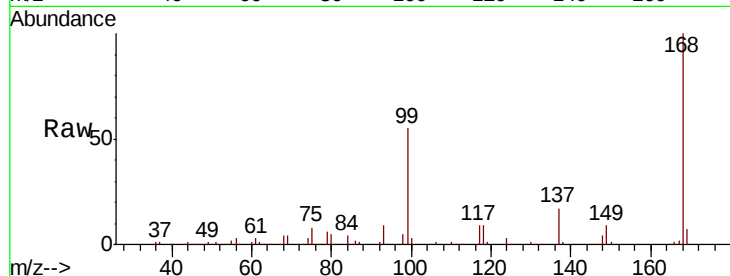
OUTFALL001-TB3

Tot Ion:168 Resp: 170972

Ion Ratio Lower Upper

168 100

99 54.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

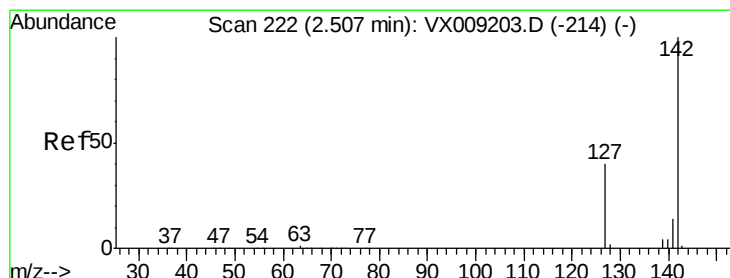
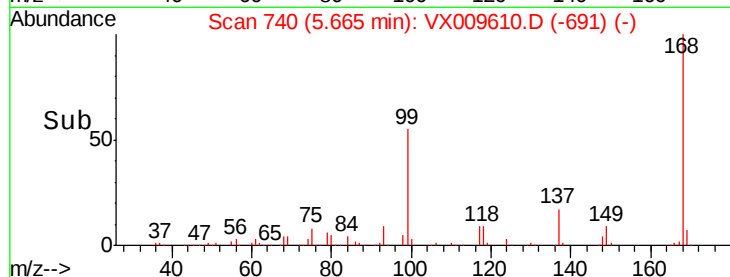
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.648 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

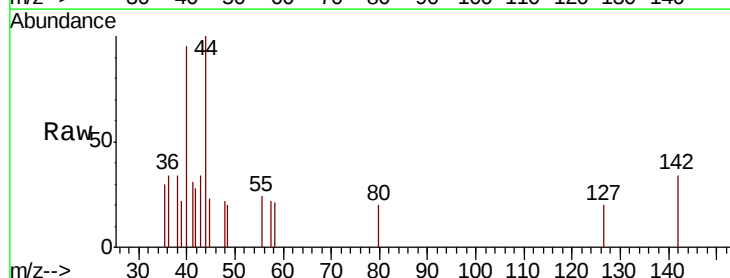
Tgt Ion:142 Resp: 111

Ion Ratio Lower Upper

142 100

127 17.1 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

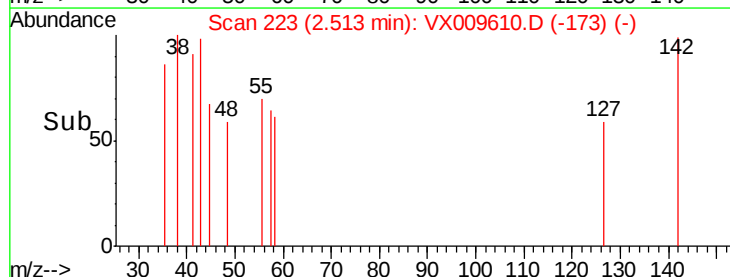
60

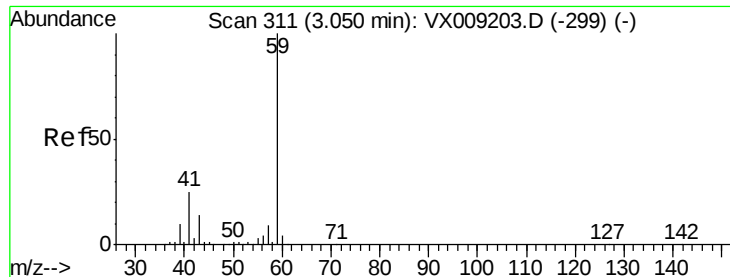
40

20

0

Time--> 2.48 2.50 2.52 2.54

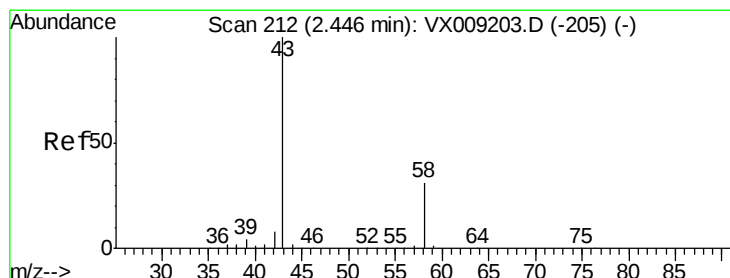
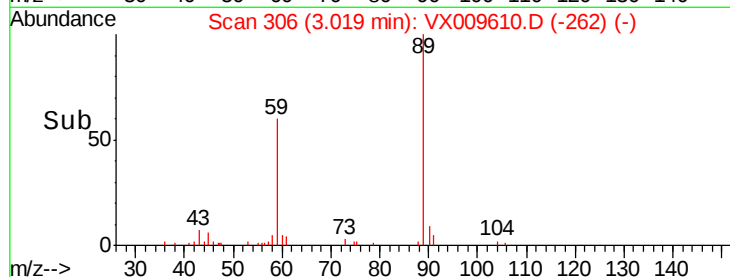
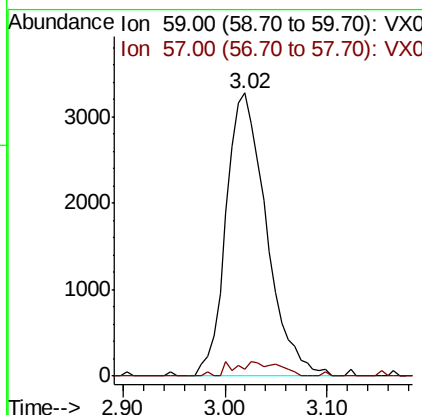
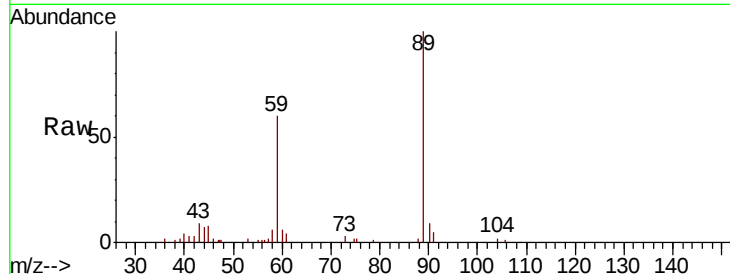




#11
Tert butyl alcohol
Concen: 16.616 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

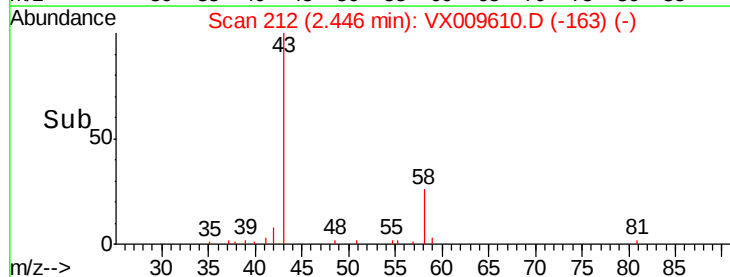
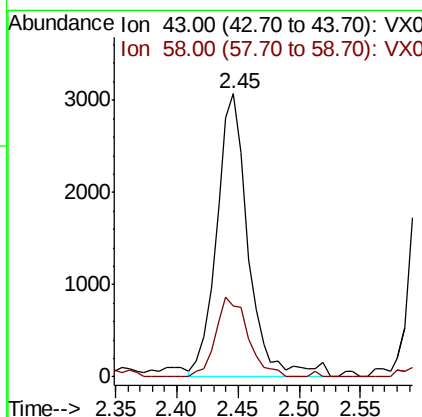
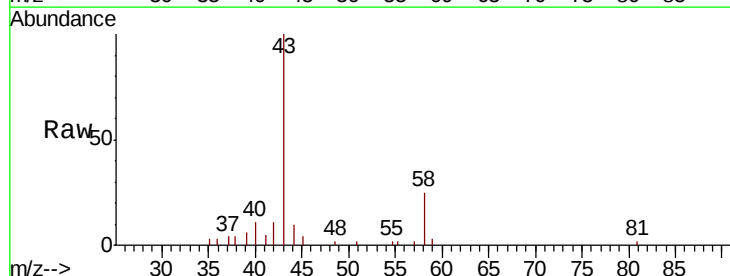
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OUTFALL001-TB3

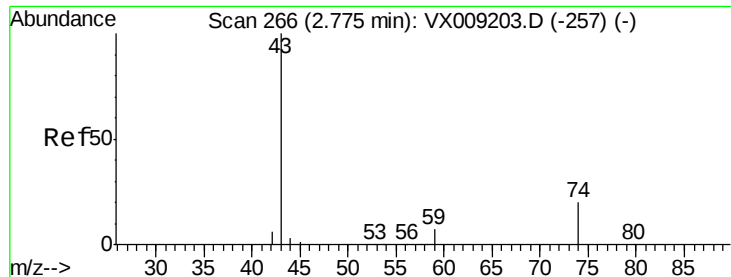
Tot Ion: 59 Resp: 8977
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#



#16
Acetone
Concen: 4.400 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

Tgt Ion: 43 Resp: 5514
Ion Ratio Lower Upper
43 100
58 24.9 24.9 37.3

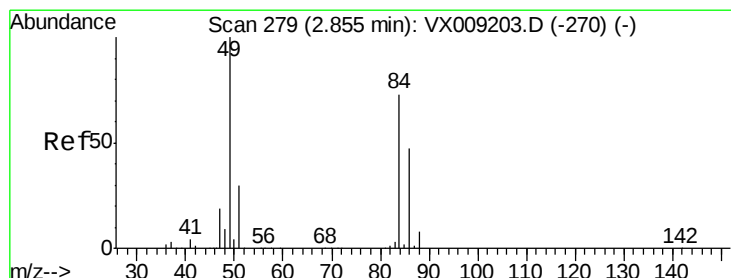
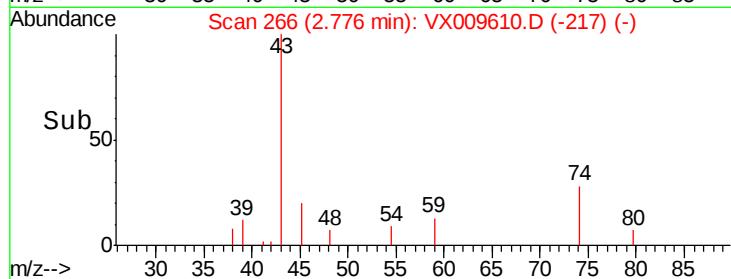
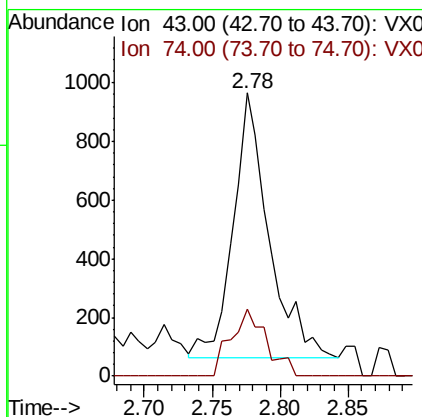
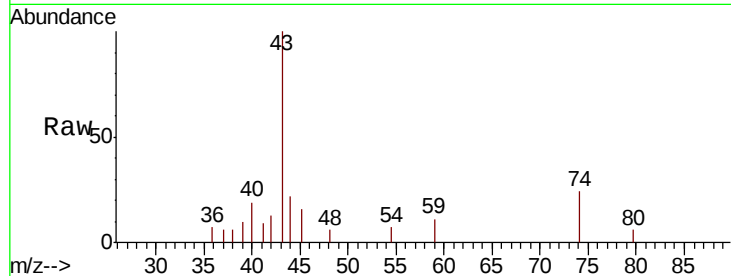




#18
Methvl Acetate
Concen: 0.557 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

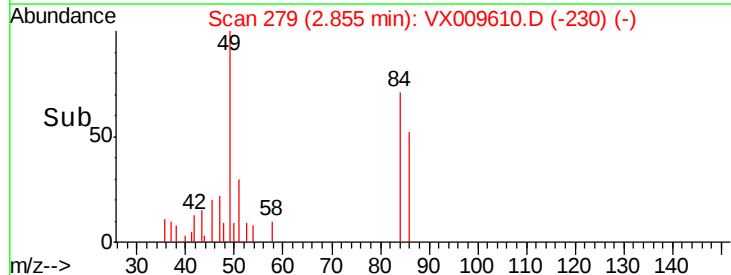
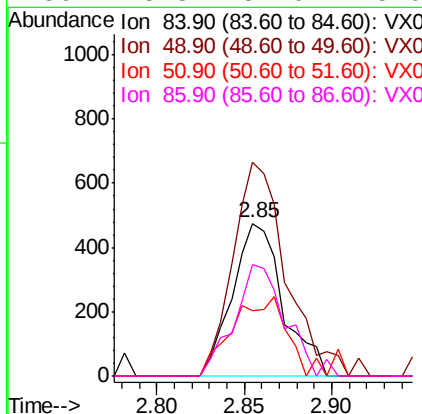
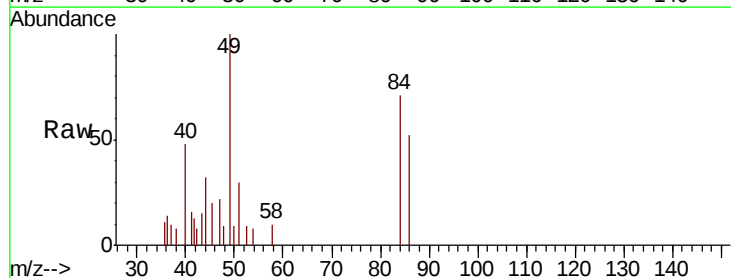
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-TB3

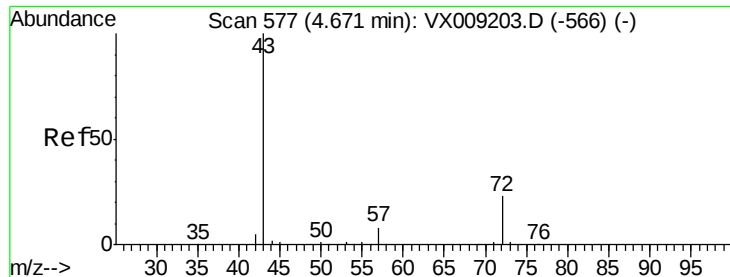
Tot Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
74 24.9 16.2 24.4#



#20
Methylene Chloride
Concen: 0.474 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

Tgt Ion: 84 Resp: 961
Ion Ratio Lower Upper
84 100
49 140.0 109.9 164.9
51 42.5 32.7 49.1
86 73.3 52.0 78.0





#25

2-Butanone

Concen: 0.777 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

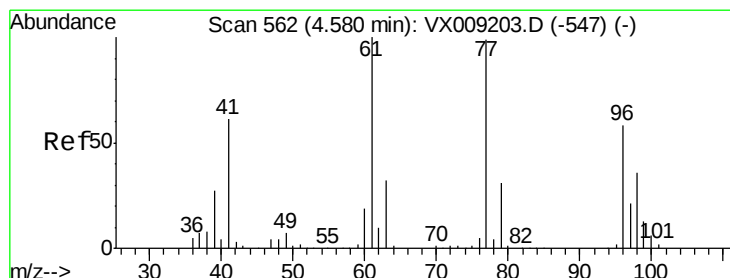
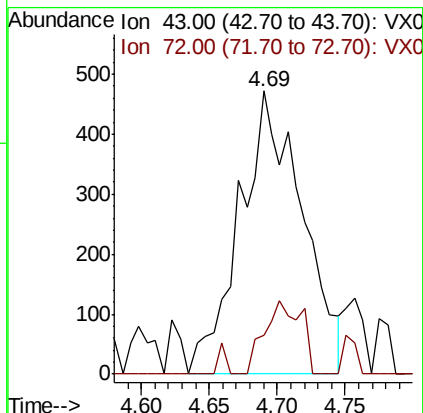
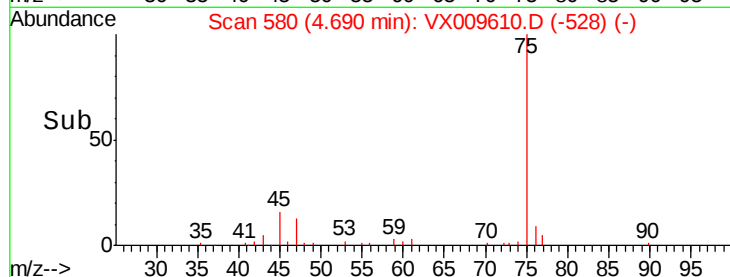
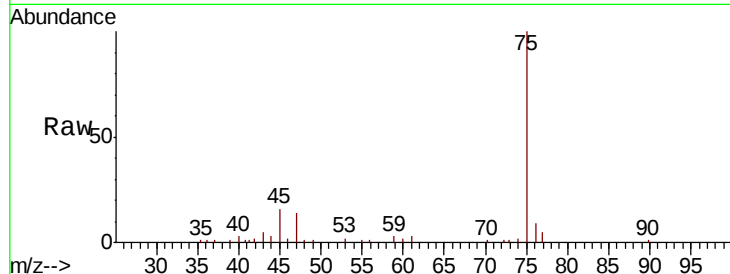
OUTFALL001-TB3

Tot Ion: 43 Resp: 1514

Ion Ratio Lower Upper

43 100

72 13.8 18.2 27.2#



#26

2,2-Dichloropropane

Concen: 0.504 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.12 min

Lab File: VX009610.D

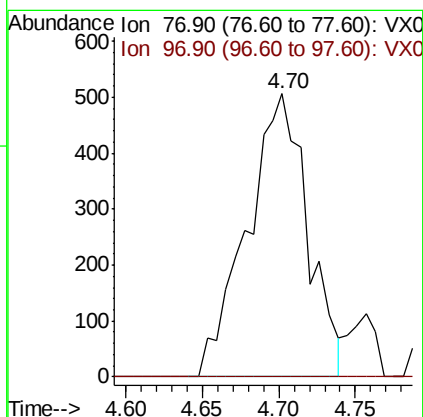
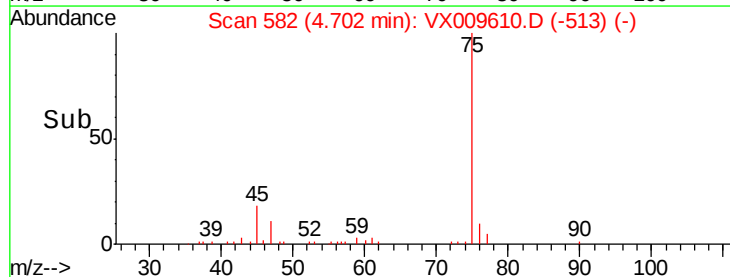
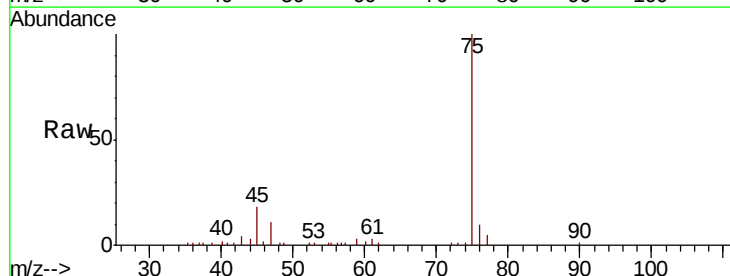
Acq: 16 May 2019 16:21

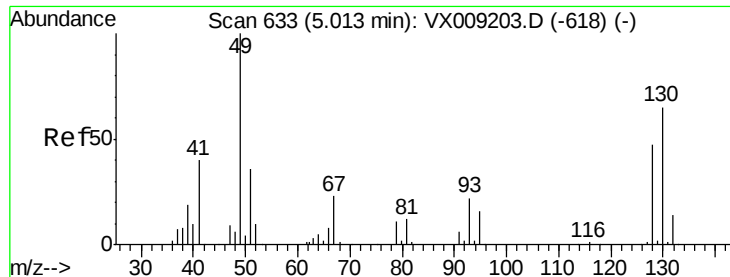
Tgt Ion: 77 Resp: 1391

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB3

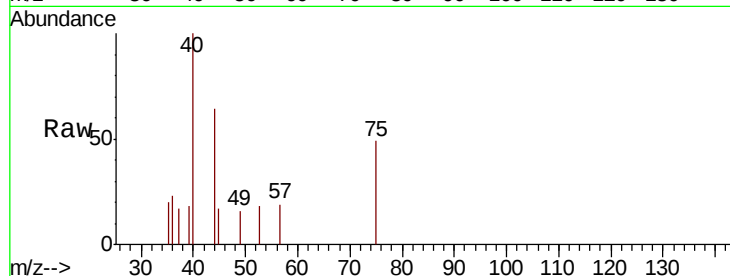
Tot Ion: 49 Resp: 18

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

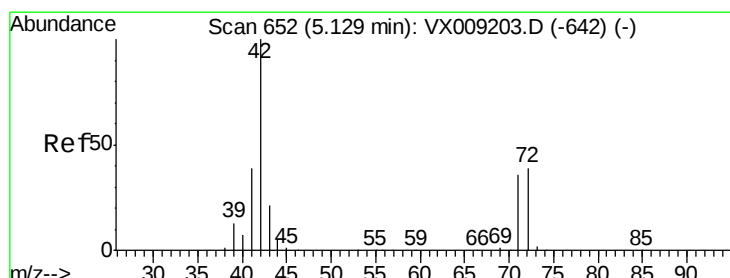
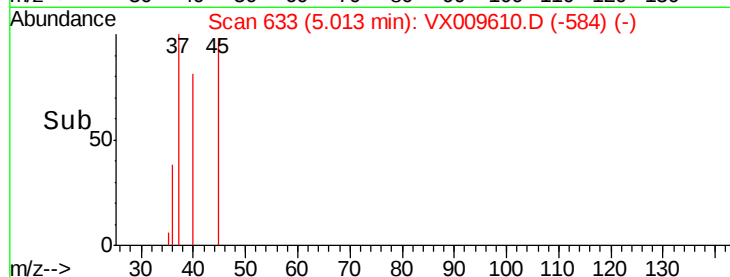
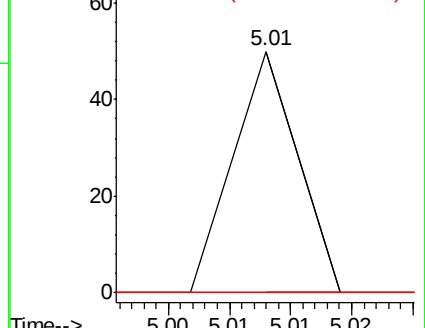
130 0.0 51.2 76.8#



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: 0.222 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

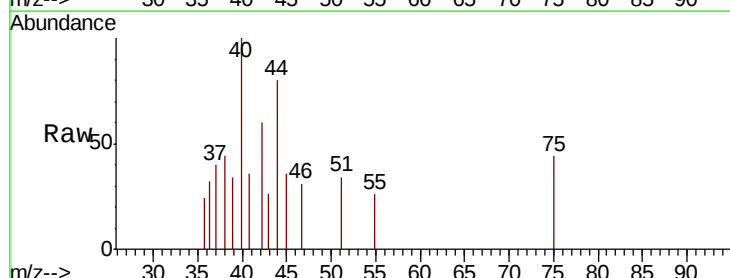
Tgt Ion: 42 Resp: 278

Ion Ratio Lower Upper

42 100

72 35.6 30.4 45.6

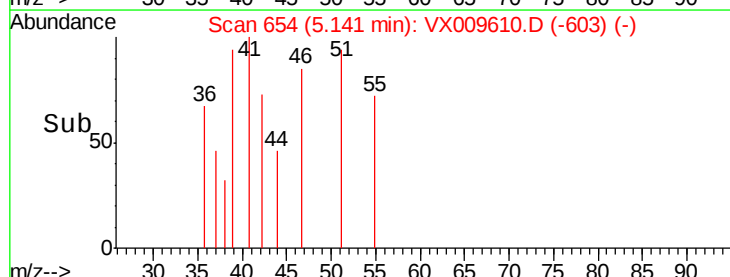
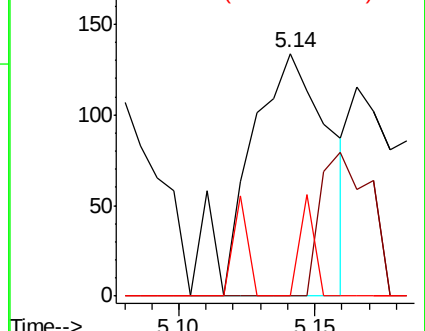
71 7.2 28.6 43.0#

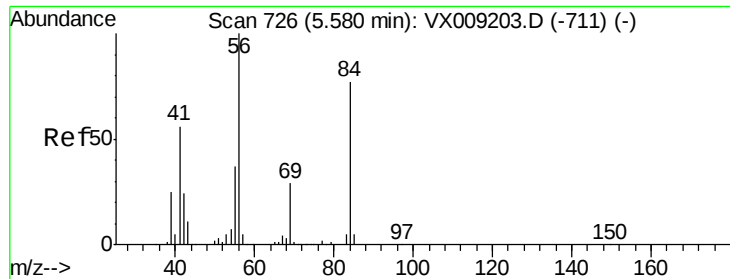


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

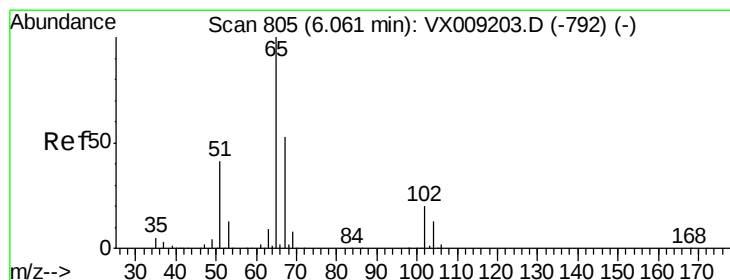
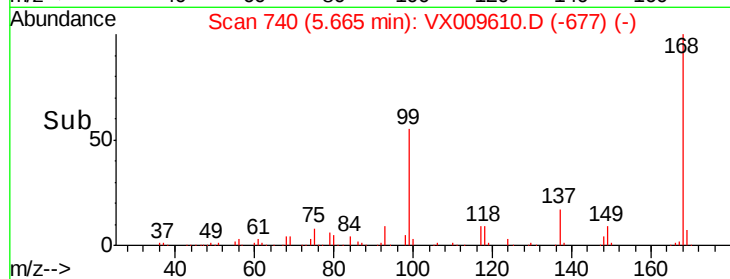
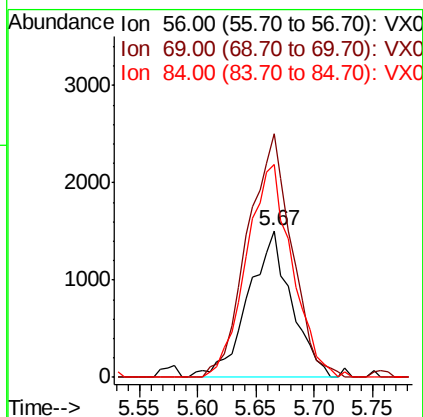
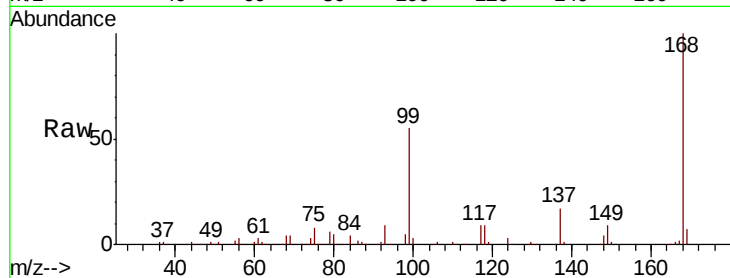




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

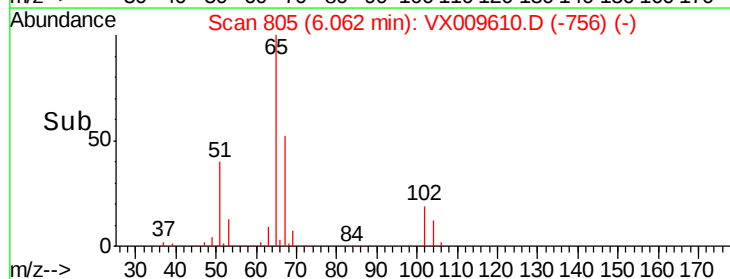
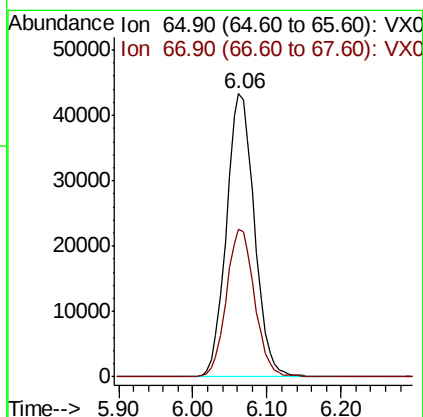
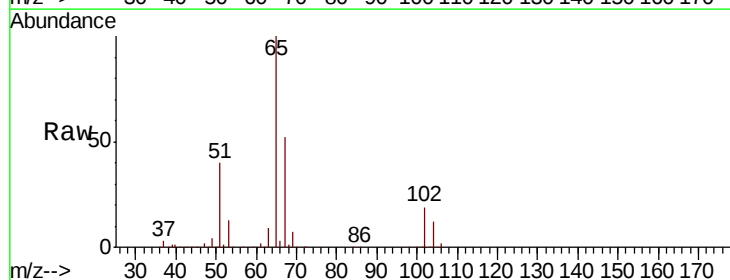
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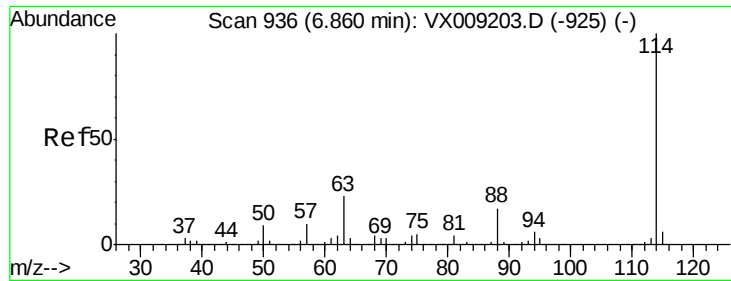
Tot Ion	Ratio	Lower	Upper
56	100		
69	165.8	23.4	35.0#
84	145.0	61.9	92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.825 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.6

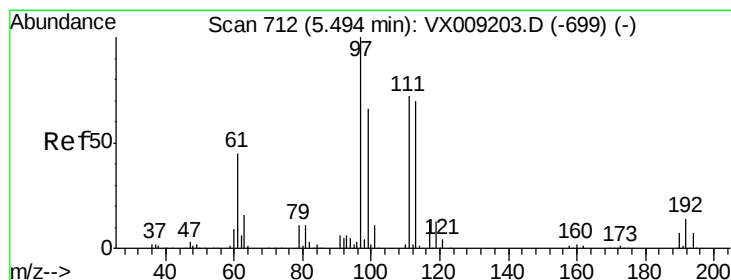
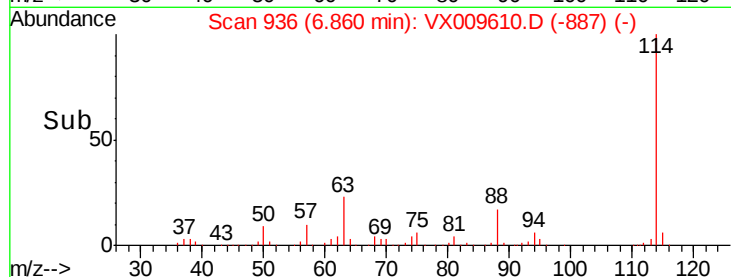
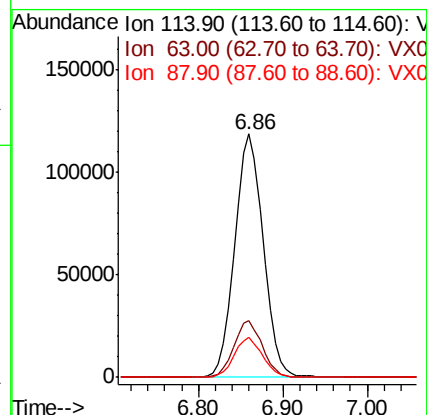
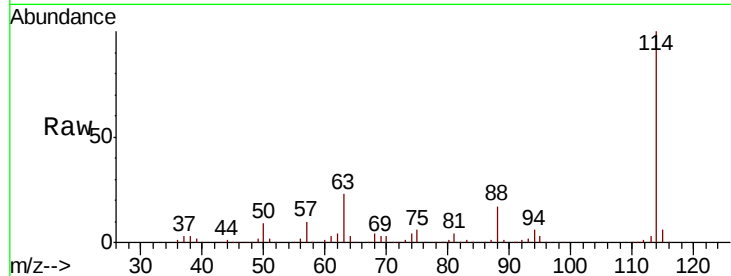




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009610.D
 Acq: 16 May 2019 16:21

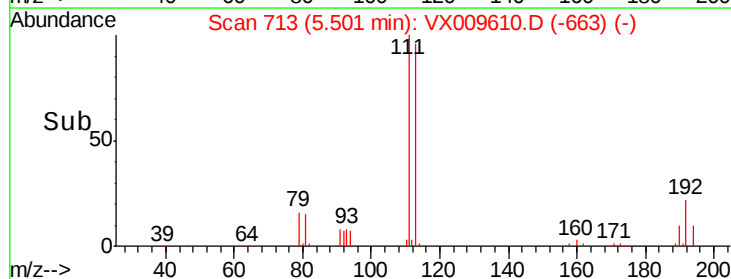
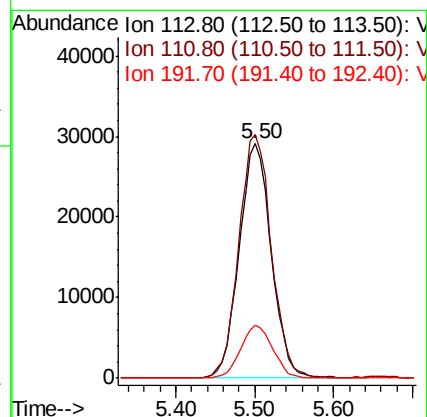
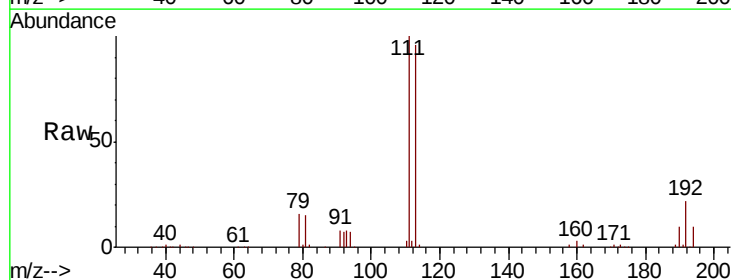
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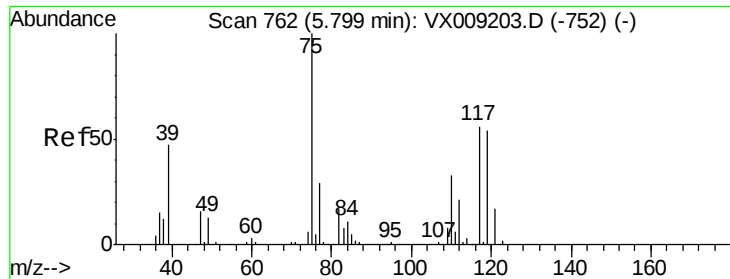
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.6
88	16.5	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.309 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009610.D
 Acq: 16 May 2019 16:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.8	124.2
192	22.5	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.400 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-TB3

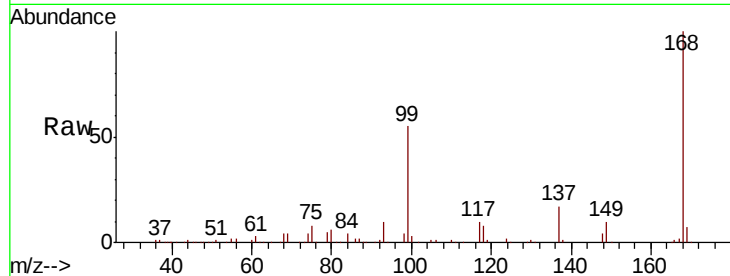
Tot Ion: 75 Resp: 13630

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

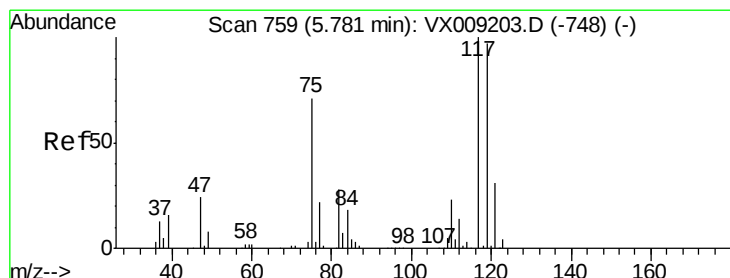
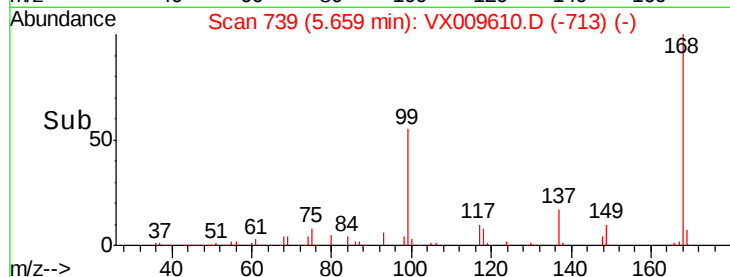
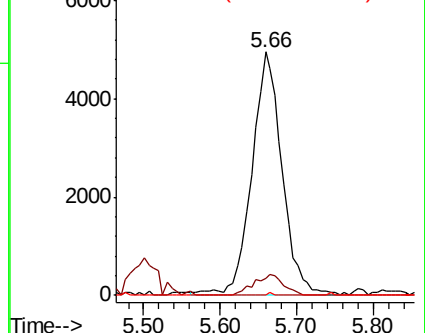
77 0.1 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX009610.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009610.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009610.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 7.074 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

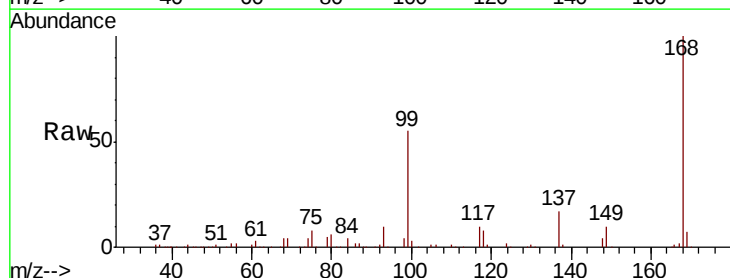
Tgt Ion: 117 Resp: 16223

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

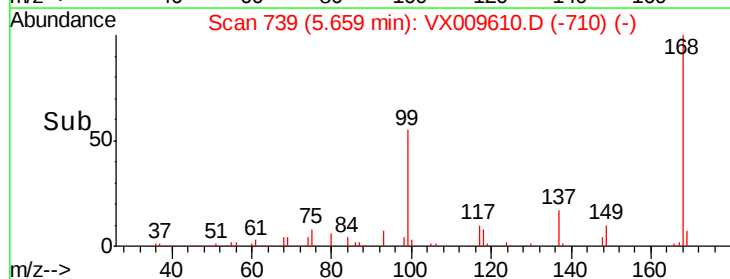
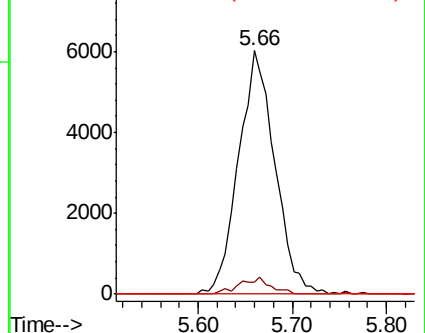
121 0.0 24.7 37.1#

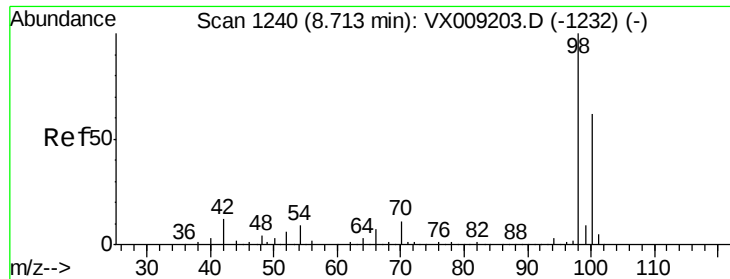


Abundance Ion 116.80 (116.50 to 117.50): VX009610.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009610.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009610.D (-710) (-)





#50

Toluene-d8

Concen: 49.347 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

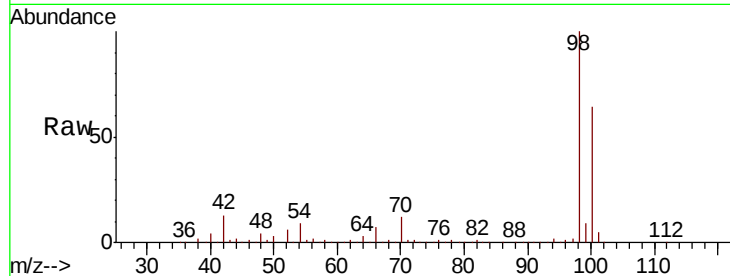
OUTFALL001-TB3

Tot Ion: 98 Resp: 340191

Ion Ratio Lower Upper

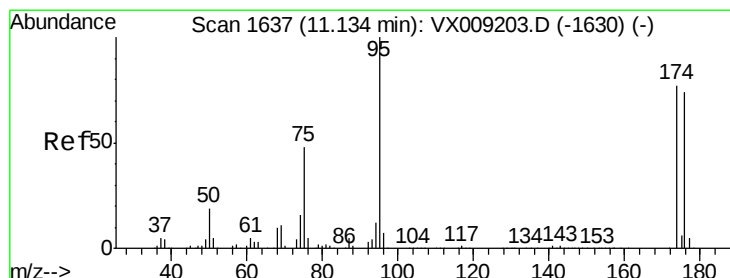
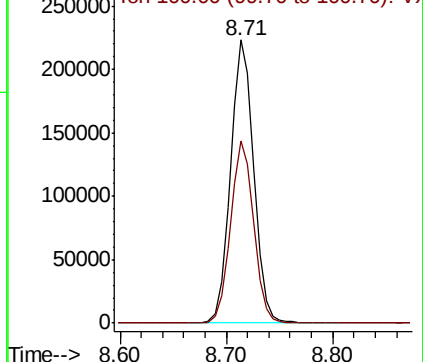
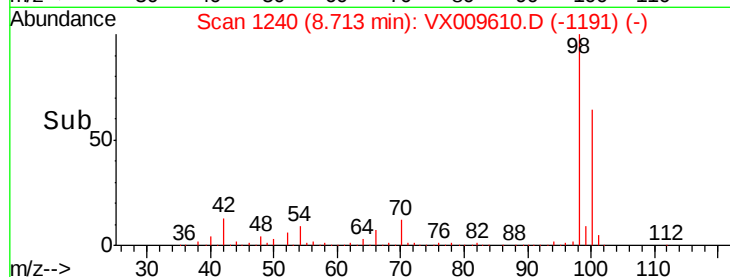
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009610.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX009610.D (-1191) (-)



#62

4-Bromofluorobenzene

Concen: 43.907 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009610.D

Acq: 16 May 2019 16:21

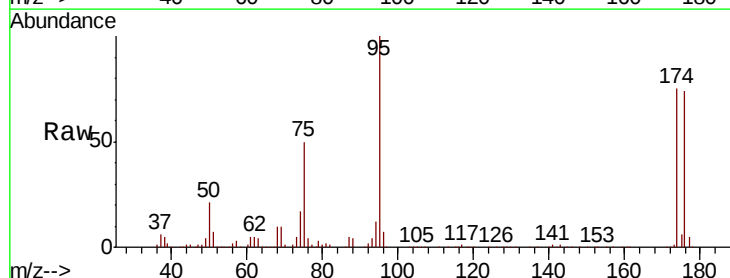
Tgt Ion: 95 Resp: 109986

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

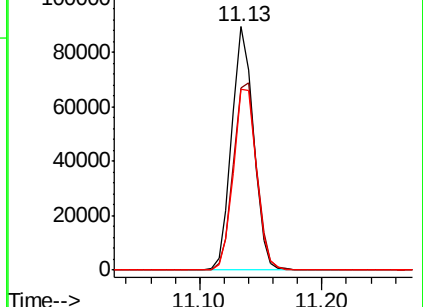
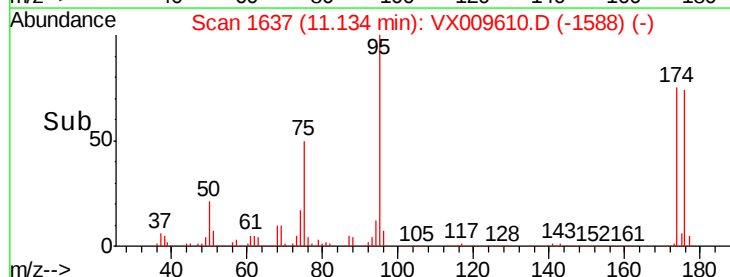
176 79.2 0.0 159.2

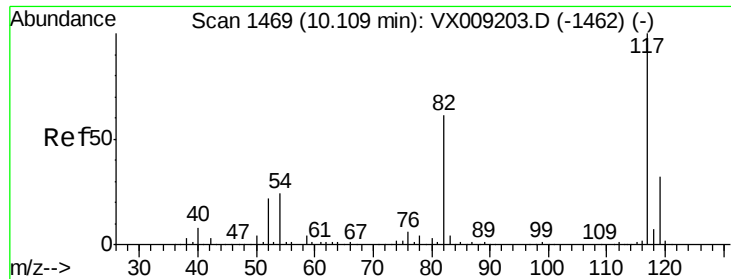


Abundance Ion 94.90 (94.60 to 95.60): VX009610.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009610.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009610.D (-1588) (-)

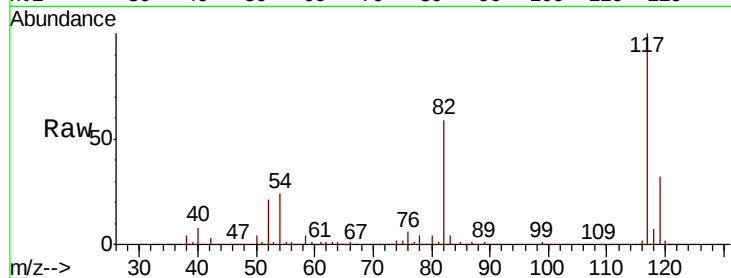




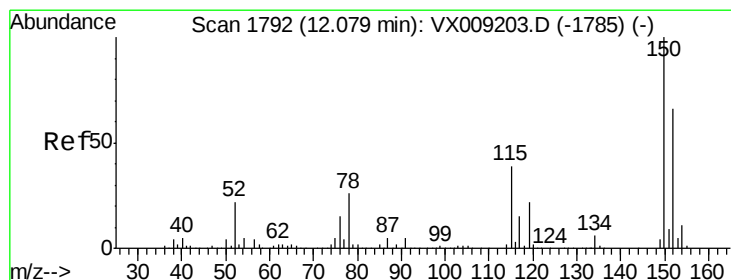
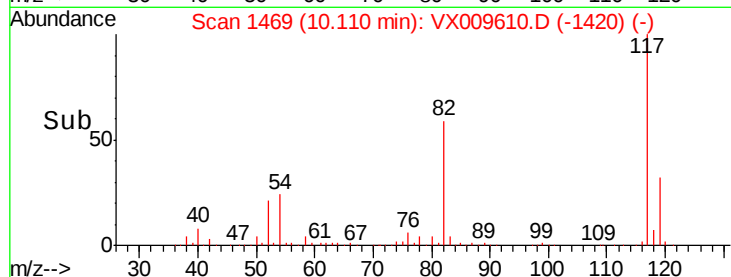
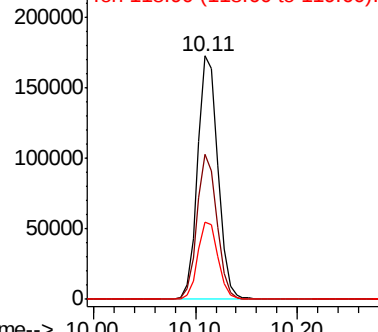
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-TB3

Tot Ion:117 Resp: 237736
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.6 25.8 38.6

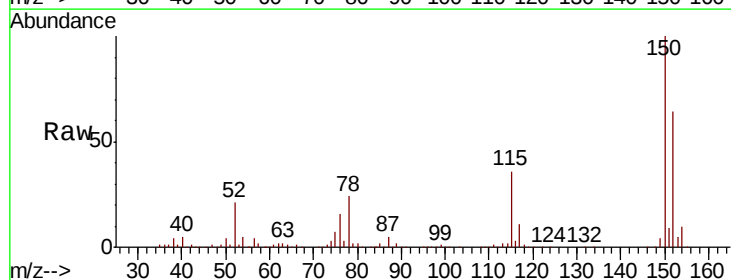


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

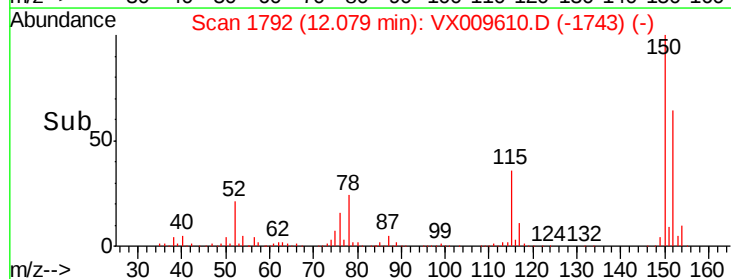
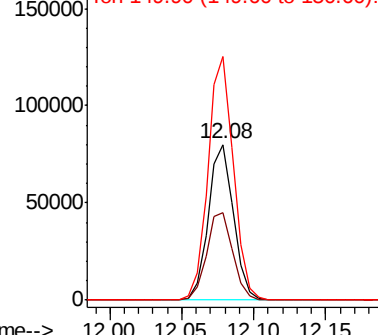


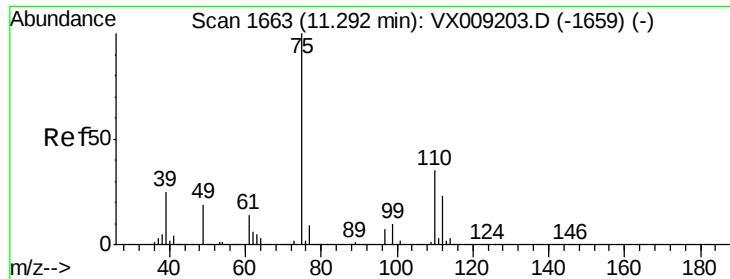
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009610.D
Acq: 16 May 2019 16:21

Tgt Ion:152 Resp: 97896
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 157.9 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

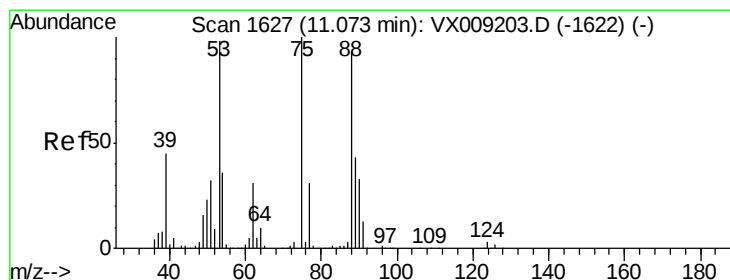
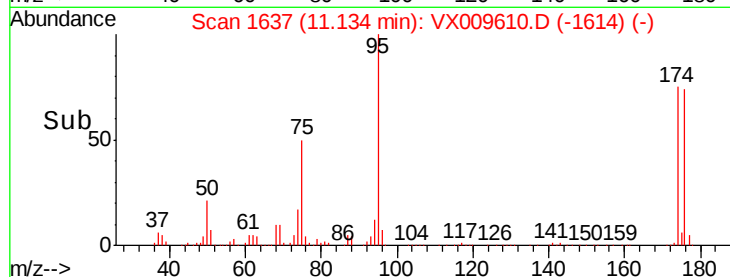
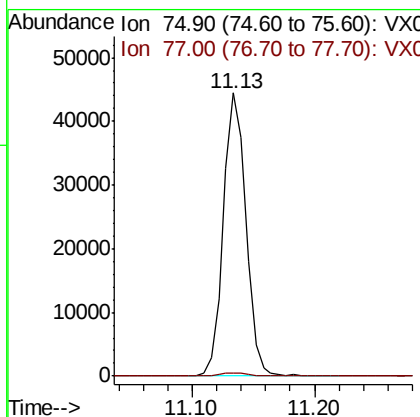
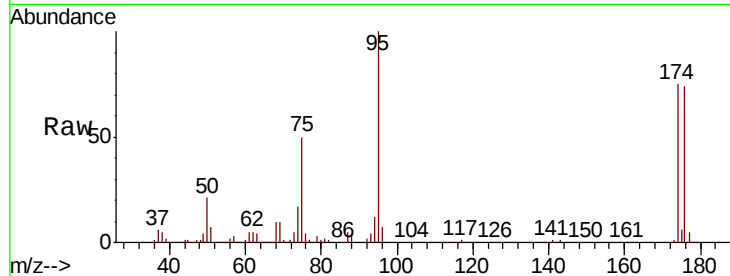




#76
 1,2,3-Trichloropropane
 Concen: 25.034 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009610.D
 Acq: 16 May 2019 16:21

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-TB3

Tot Ion: 75 Resp: 56849
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.054 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009610.D
 Acq: 16 May 2019 16:21

Tgt Ion: 75 Resp: 56849
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

