

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009362.D
 Acq On : 06 May 2019 19:46
 Operator : JC/SP
 Sample : K2675-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-1

Quant Time: May 07 06:38:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112337	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	122015	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.50	113	91329	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	374770	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	123846	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

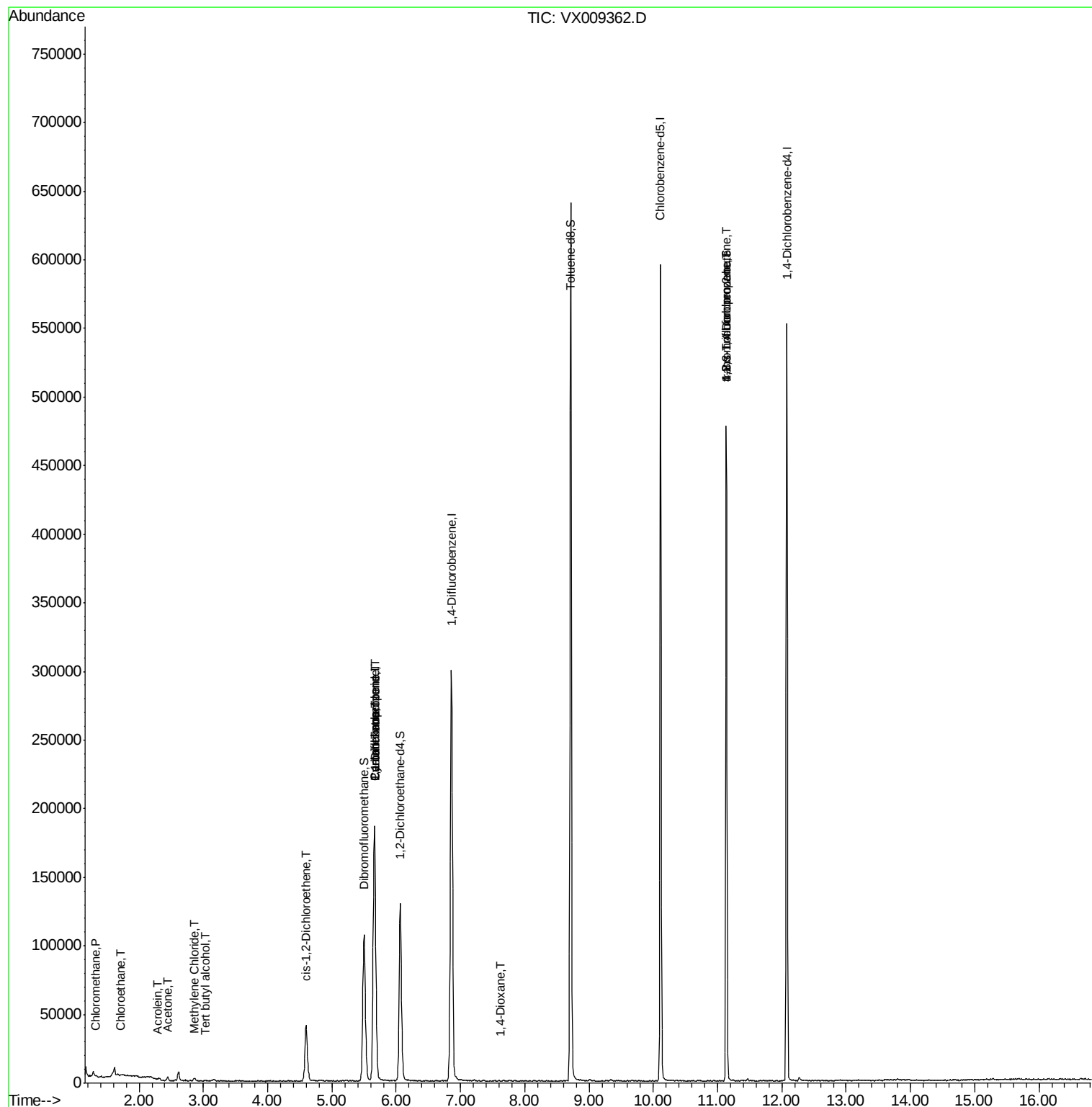
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	556	0.239	ug/l	95
6) Chloroethane	1.70	64	517	0.354	ug/l #	43
11) Tert butyl alcohol	3.03	59	377	0.644	ug/l #	88
13) Acrolein	2.29	56	119	0.224	ug/l #	1
16) Acetone	2.44	43	2648	1.950	ug/l	94
20) Methylene Chloride	2.85	84	991	0.451	ug/l	86
27) cis-1,2-Dichloroethene	4.60	96	24646	10.952	ug/l	91
28) Bromochloromethane	5.01	49	27	Below Cal	#	20
31) Cyclohexane	5.67	56	3954	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14268	5.134	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17751	7.030	ug/l #	15
49) 1,4-Dioxane	7.63	88	19	0.305	ug/l #	58
76) 1,2,3-Trichloropropane	11.13	75	62783	24.093	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62783	61.646	ug/l #	10

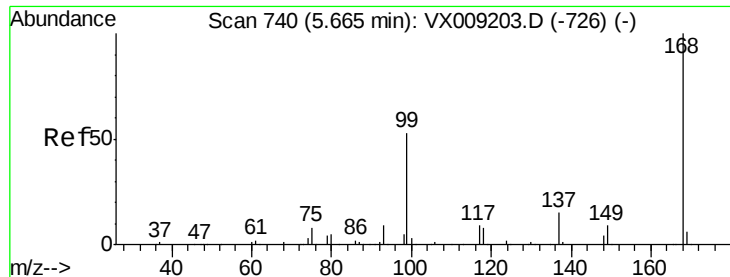
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

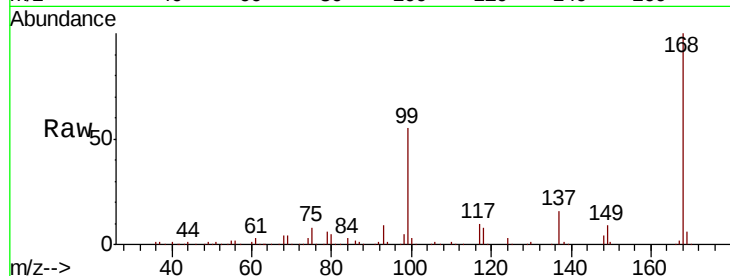
OUTFALL001-WK-1

Tot Ion:168 Resp: 185275

Ion Ratio Lower Upper

168 100

99 55.2 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

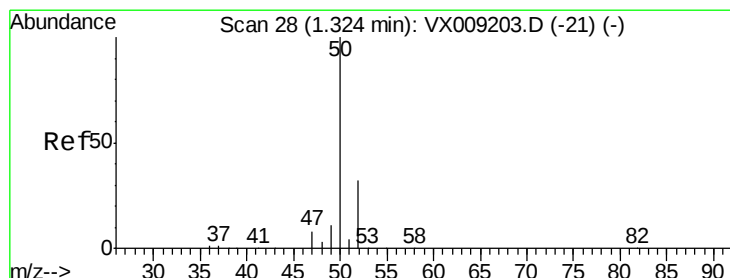
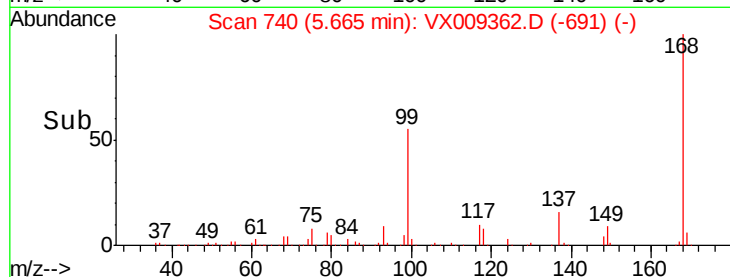
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009362.D

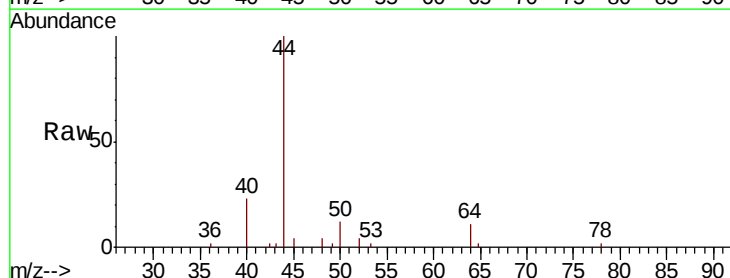
Acq: 06 May 2019 19:46

Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

50 100

52 35.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

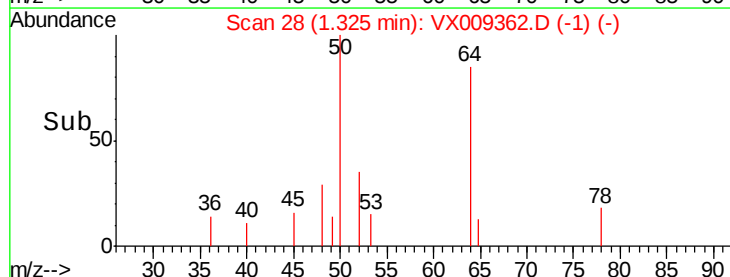
300

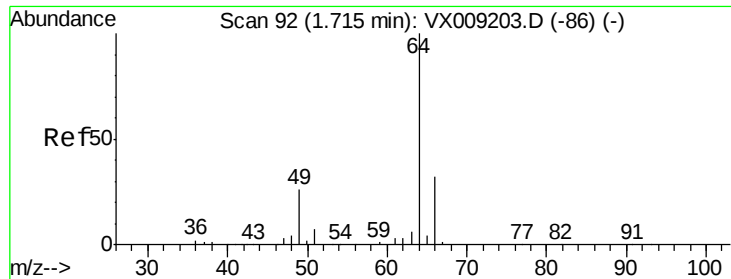
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.354 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

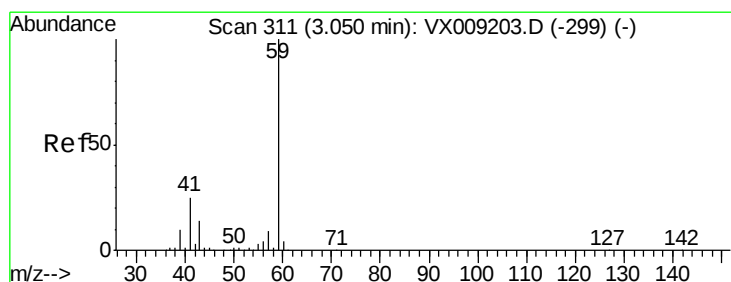
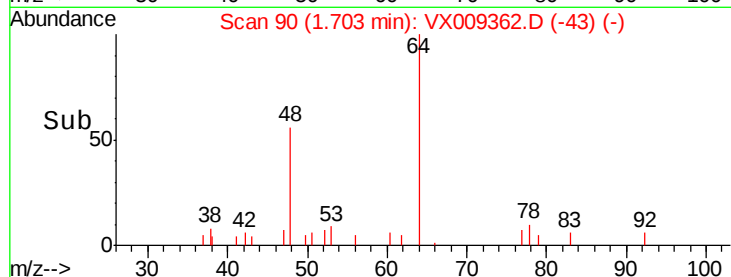
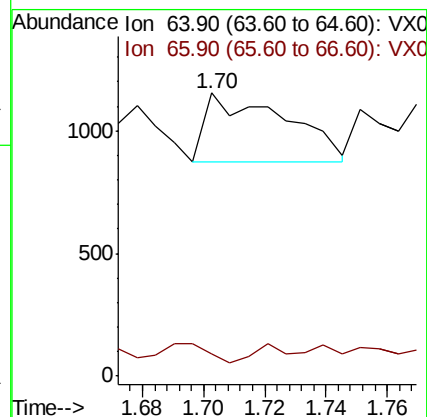
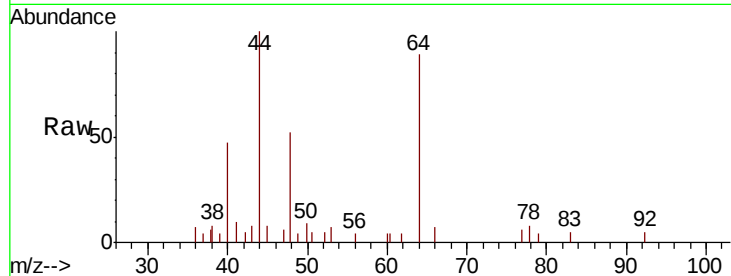
OUTFALL001-WK-1

Tot Ion: 64 Resp: 517

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.644 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009362.D

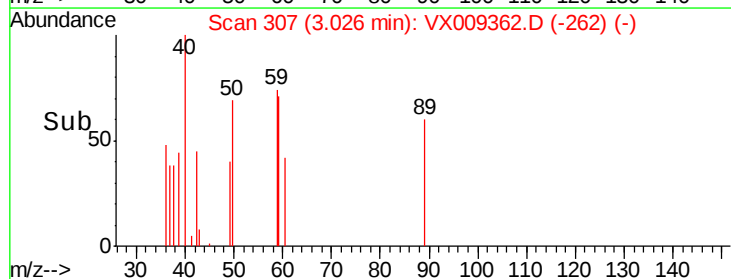
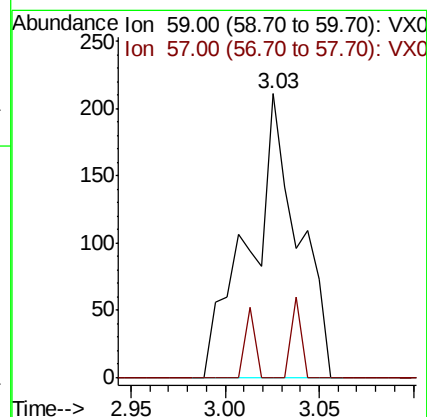
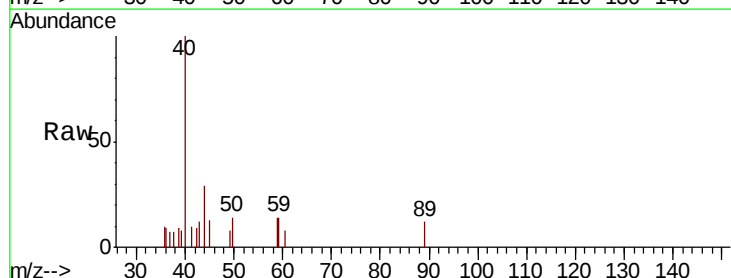
Acq: 06 May 2019 19:46

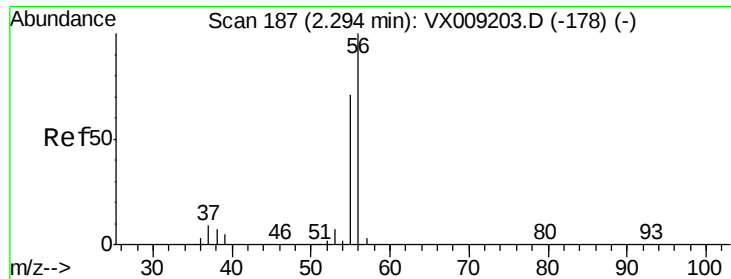
Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 5.8 8.2 12.2#





#13

Acrolein

Concen: 0.224 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

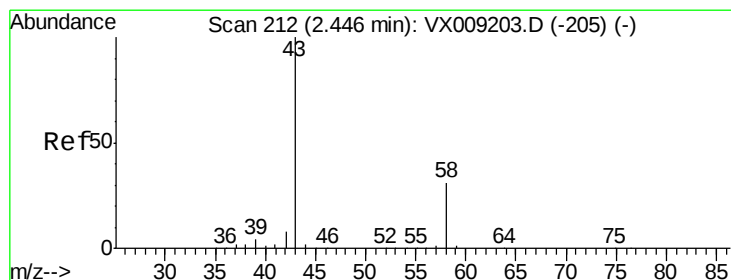
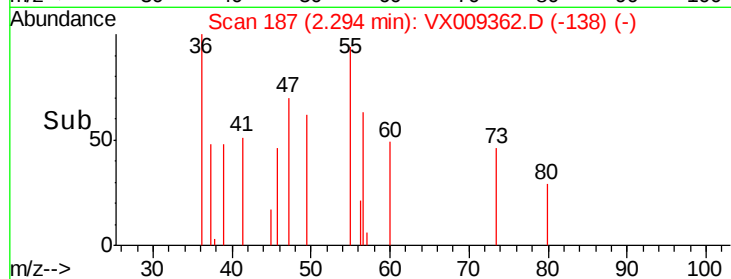
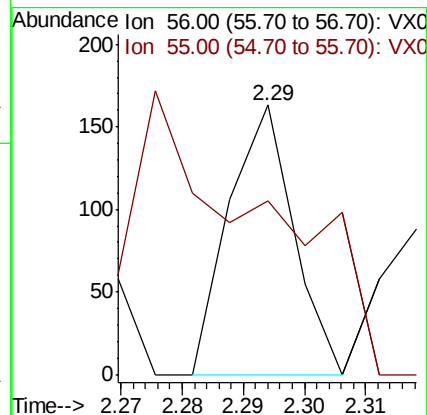
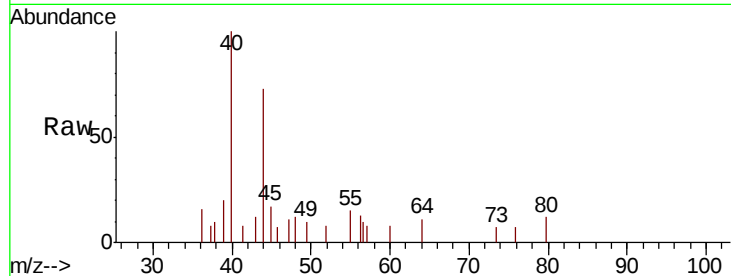
OUTFALL001-WK-1

Tot Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 220.2 56.6 85.0#



#16

Acetone

Concen: 1.950 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009362.D

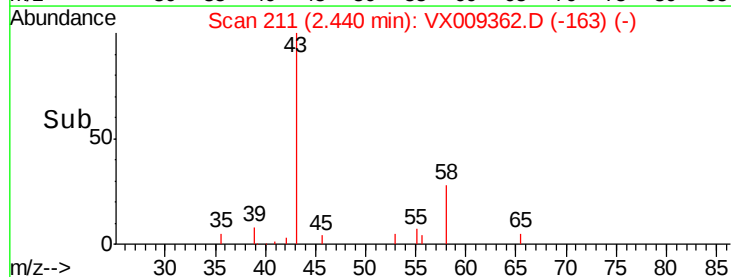
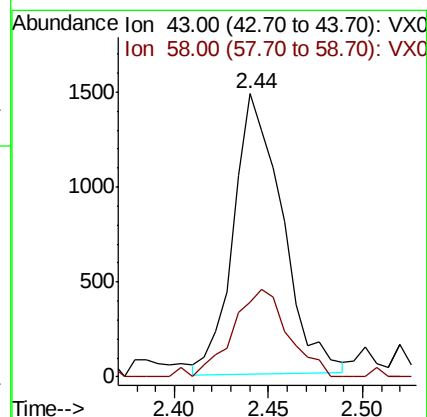
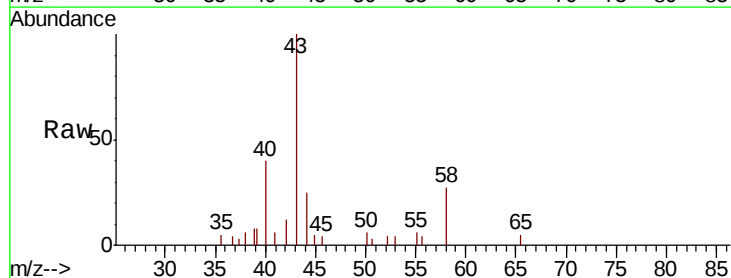
Acq: 06 May 2019 19:46

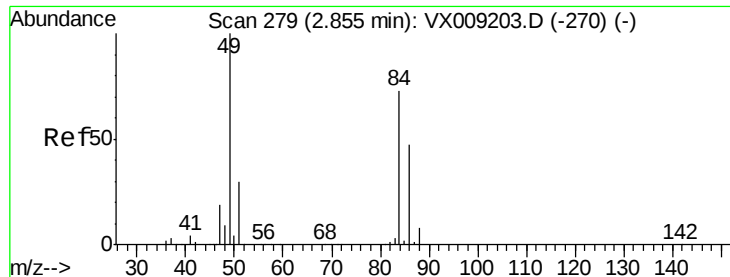
Tgt Ion: 43 Resp: 2648

Ion Ratio Lower Upper

43 100

58 27.8 24.9 37.3

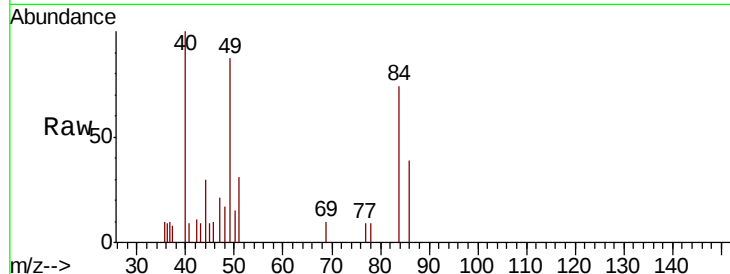




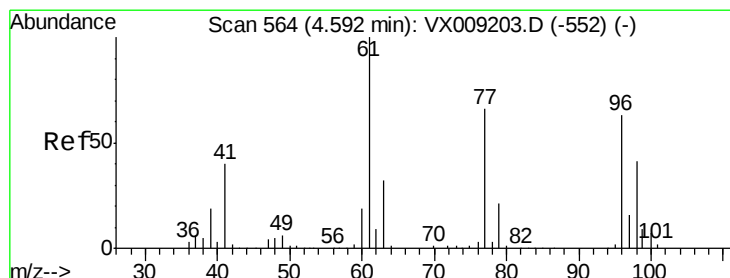
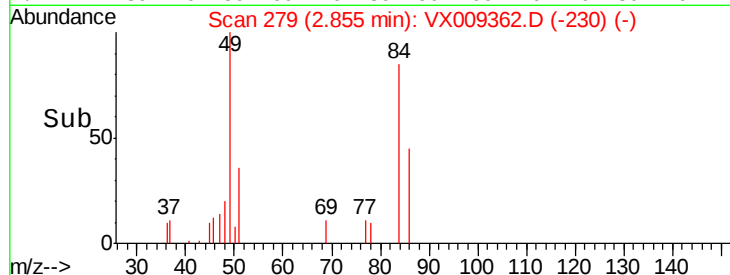
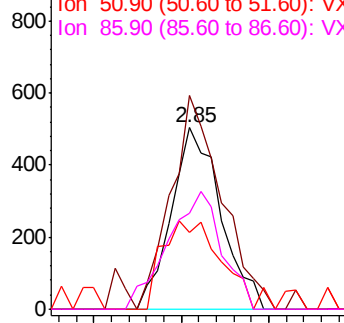
#20
Methvlene Chloride
Concen: 0.451 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-1

Tot Ion: 84 Resp: 991
Ion Ratio Lower Upper
84 100
49 117.7 109.9 164.9
51 42.1 32.7 49.1
86 53.0 52.0 78.0

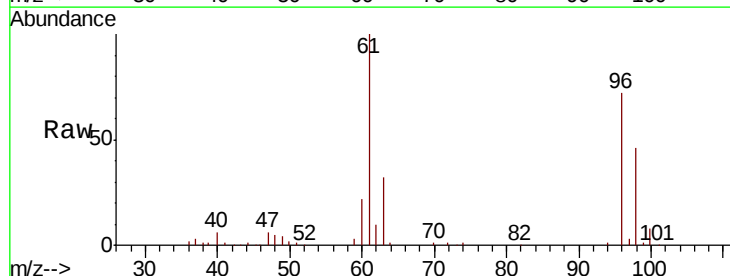


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

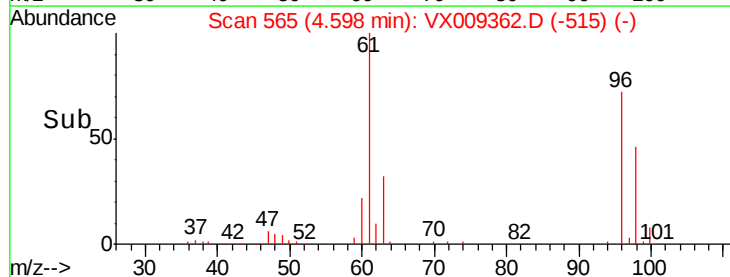
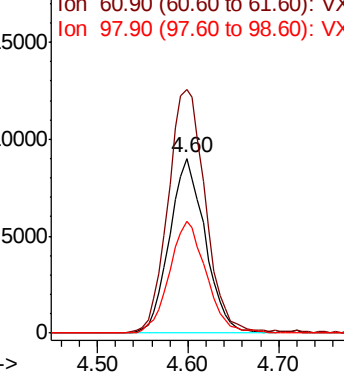


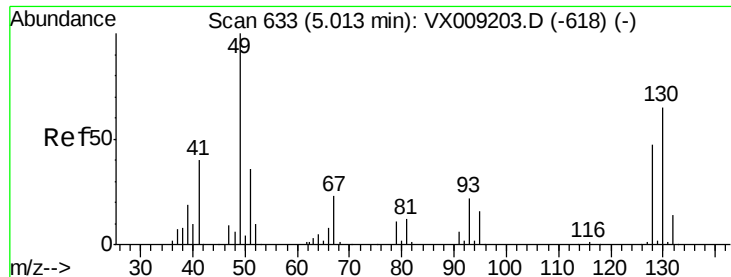
#27
cis-1,2-Dichloroethene
Concen: 10.952 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Tgt Ion: 96 Resp: 24646
Ion Ratio Lower Upper
96 100
61 145.9 0.0 324.0
98 65.7 0.0 130.4



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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-1

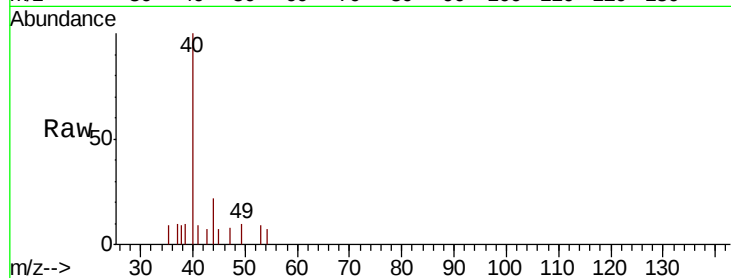
Tot Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

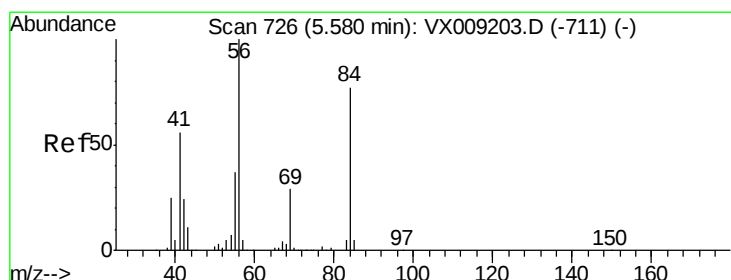
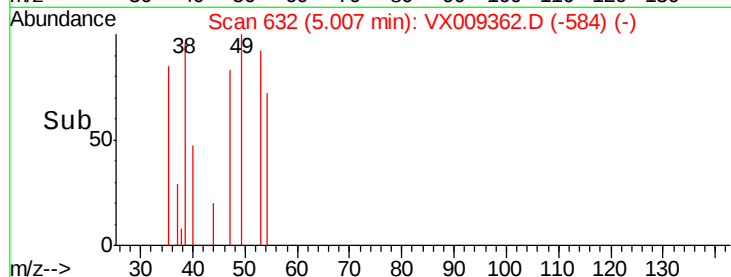
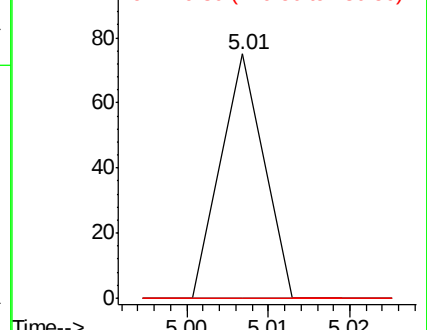
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

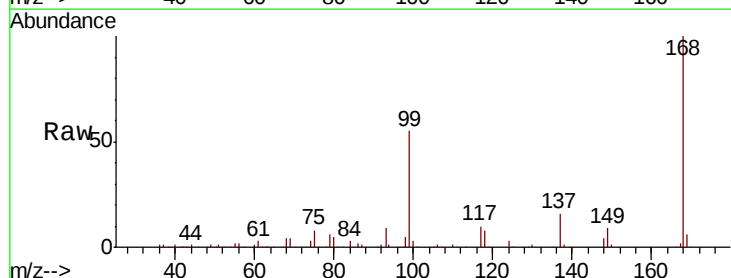
Tgt Ion: 56 Resp: 3954

Ion Ratio Lower Upper

56 100

69 155.7 23.4 35.0#

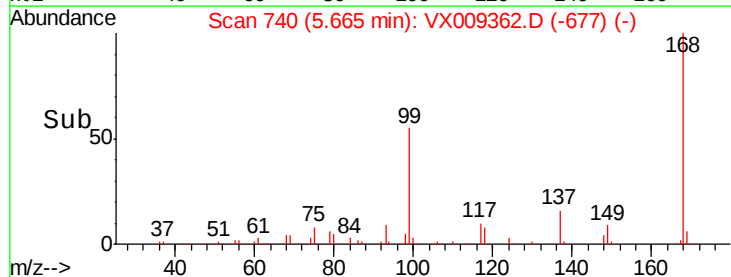
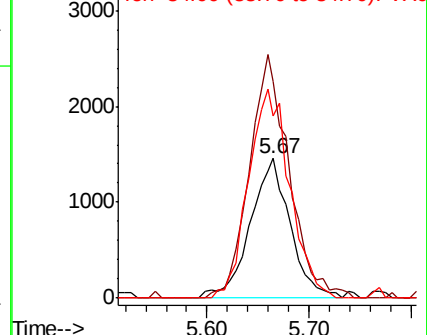
84 130.8 61.9 92.9#

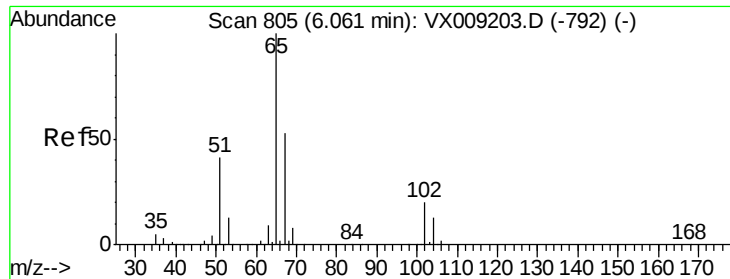


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.242 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

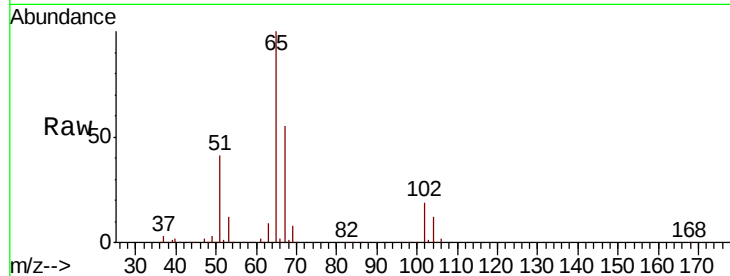
OUTFALL001-WK-1

Tot Ion: 65 Resp: 122015

Ion Ratio Lower Upper

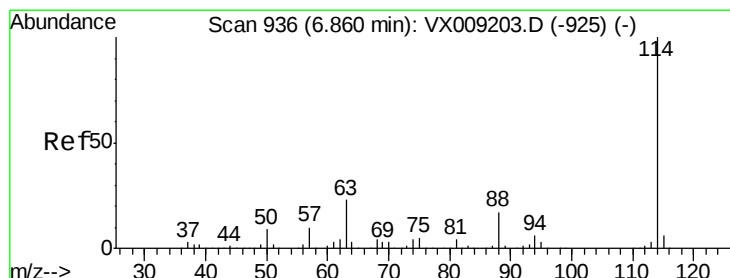
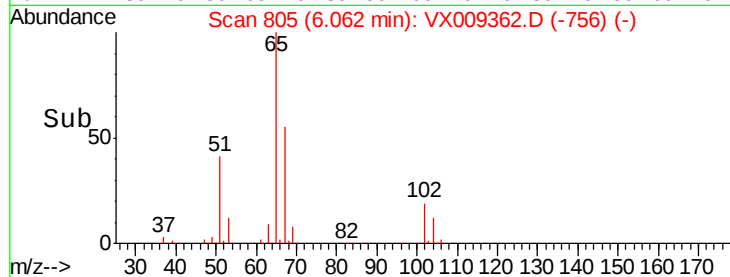
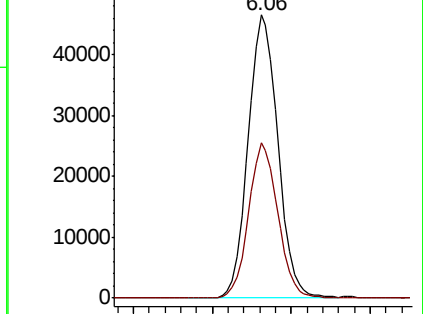
65 100

67 54.1 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: VX009362.D

Acq: 06 May 2019 19:46

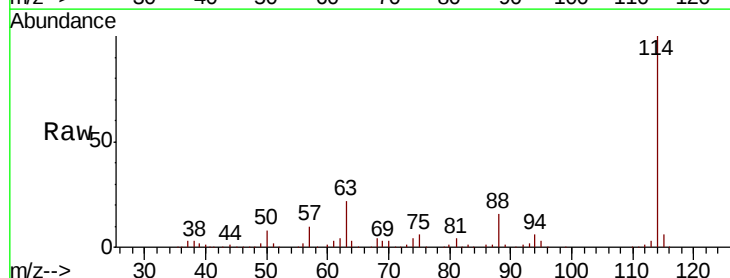
Tgt Ion: 114 Resp: 299047

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

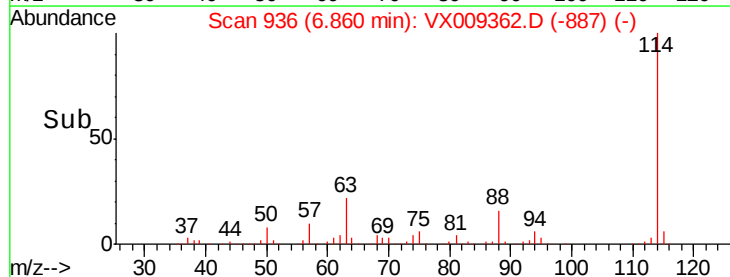
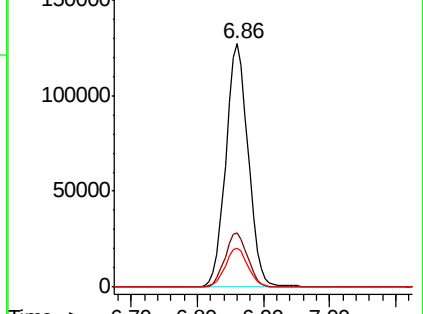
88 15.8 0.0 33.2

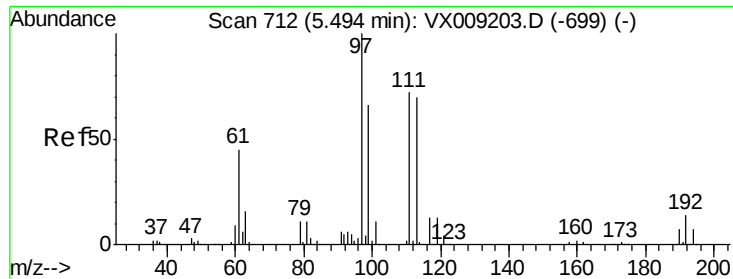


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

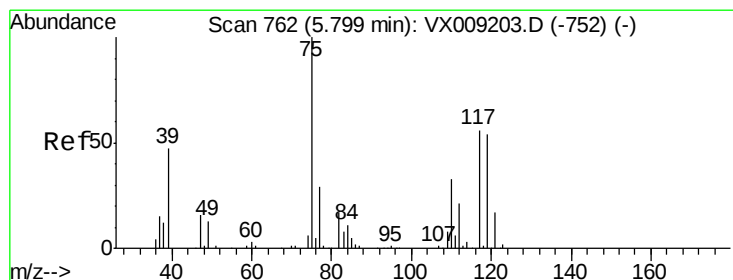
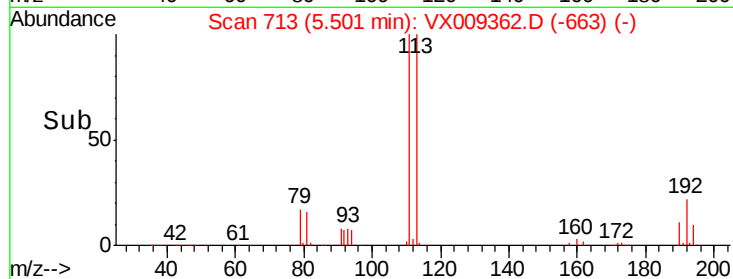
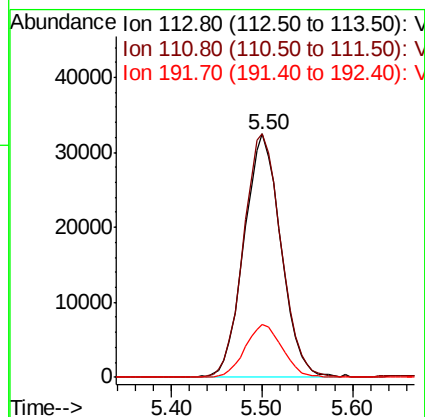
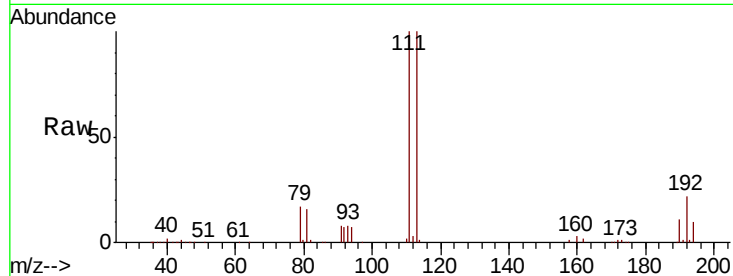




#35
 Dibromofluoromethane
 Concen: 48.581 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009362.D
 Acq: 06 May 2019 19:46

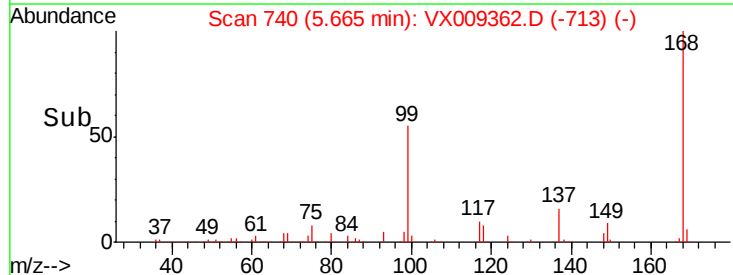
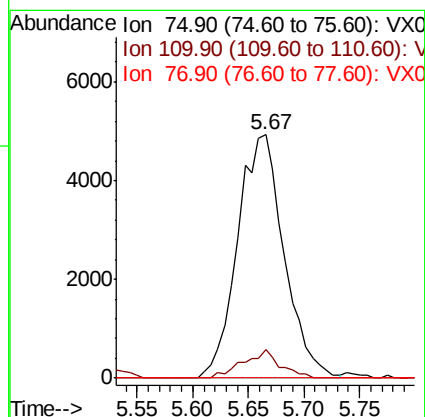
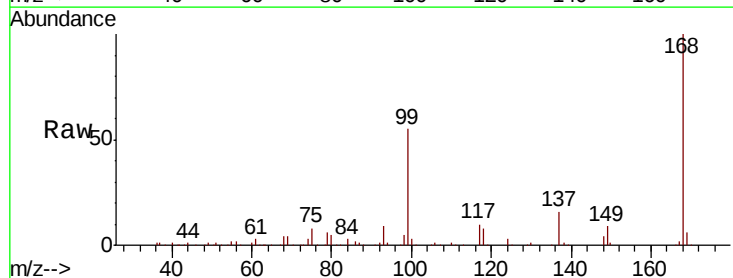
Instrument :
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 ClientSampleId :
 OUTFALL001-WK-1

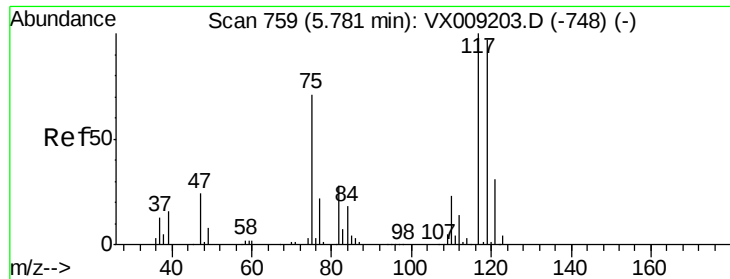
Tot Ion:113 Resp: 91329
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009362.D
 Acq: 06 May 2019 19:46

Tgt Ion: 75 Resp: 14268
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.8 37.2#

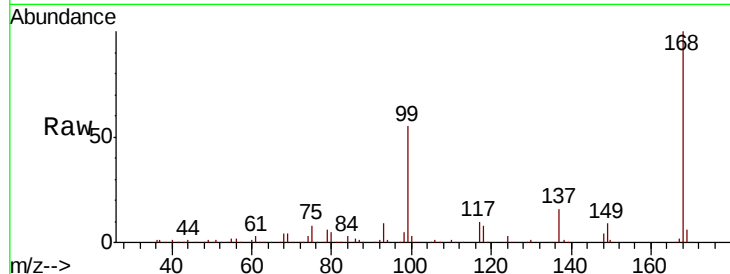




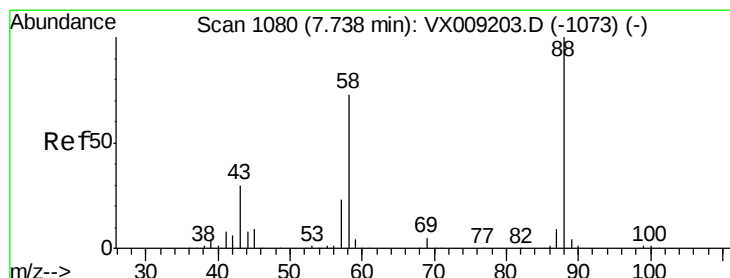
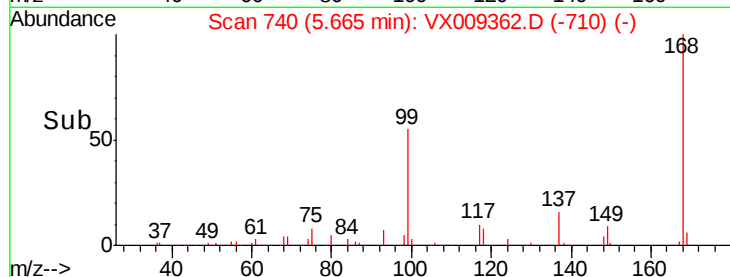
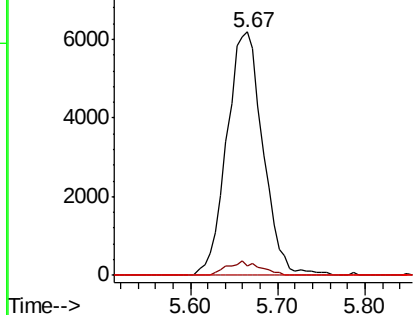
#38
Carbon Tetrachloride
Concen: 7.030 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-1

Tot Ion:117 Resp: 17751
Ion Ratio Lower Upper
117 100
119 3.8 77.5 116.3#
121 0.0 24.7 37.1#

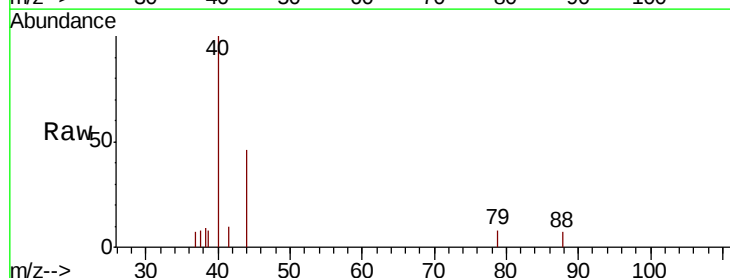


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

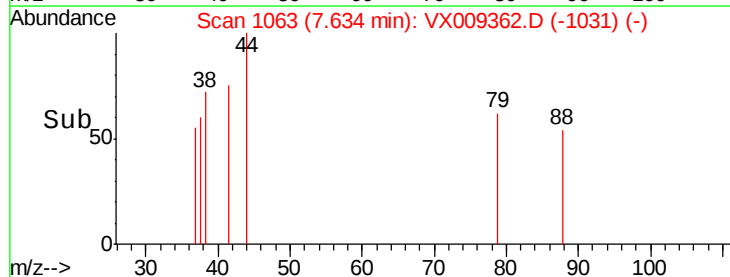
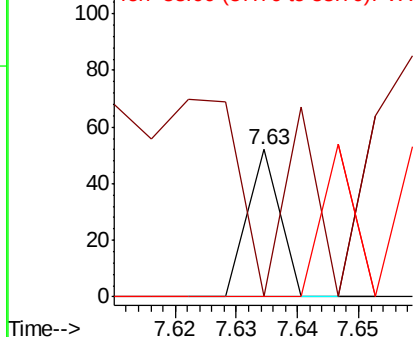


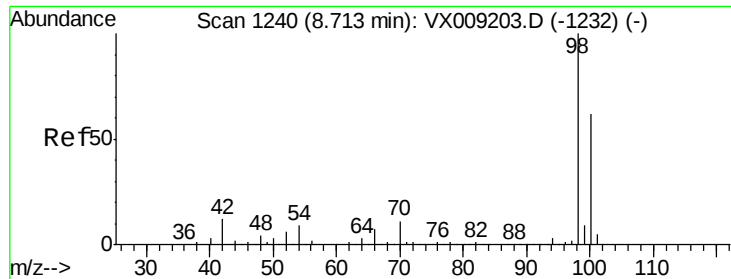
#49
1,4-Dioxane
Concen: 0.305 ug/l
RT: 7.63 min Scan# 1063
Delta R.T. -0.10 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 105.3 61.7 92.5#



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: 49.378 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

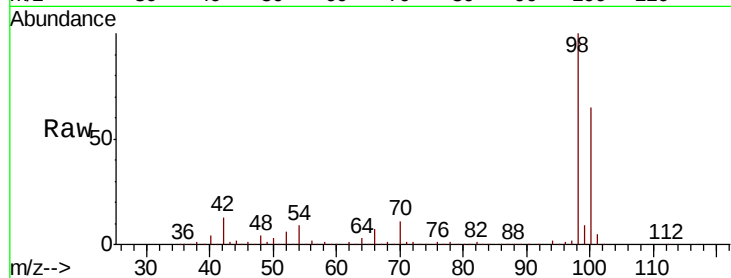
OUTFALL001-WK-1

Tot Ion: 98 Resp: 374770

Ion Ratio Lower Upper

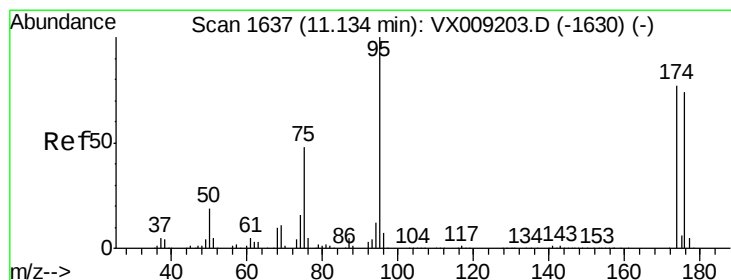
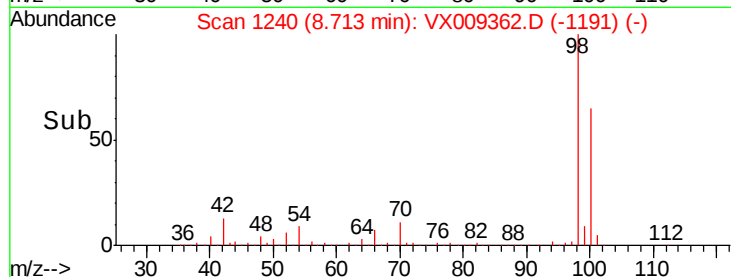
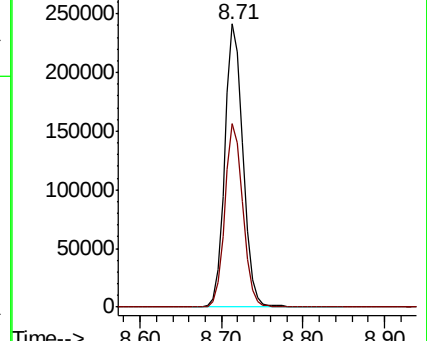
98 100

100 64.3 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: 44.907 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

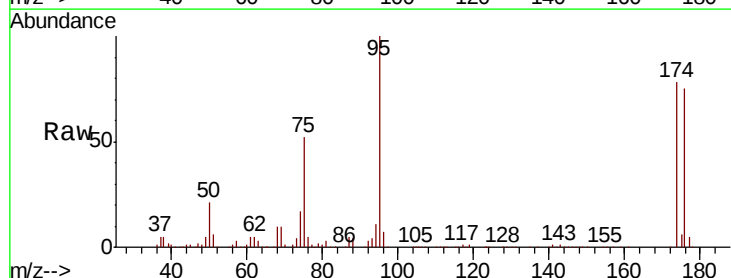
Tgt Ion: 95 Resp: 123846

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

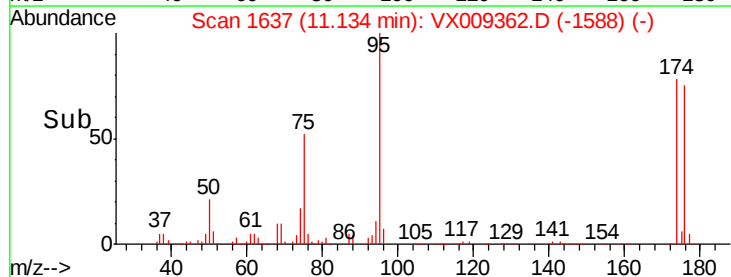
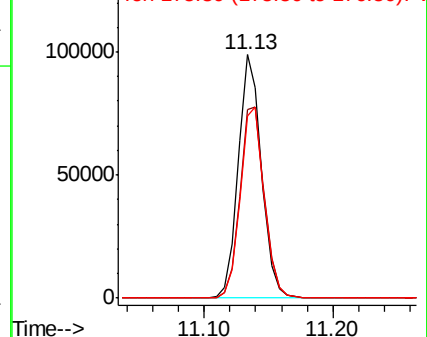
176 80.6 0.0 159.2

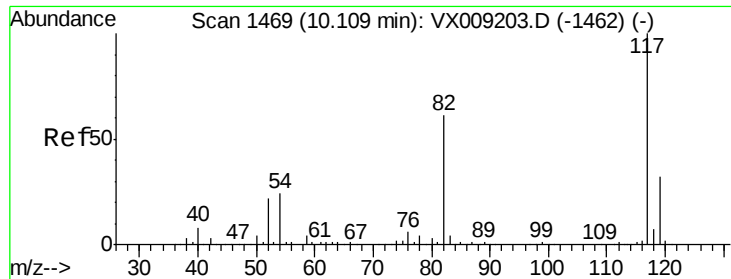


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

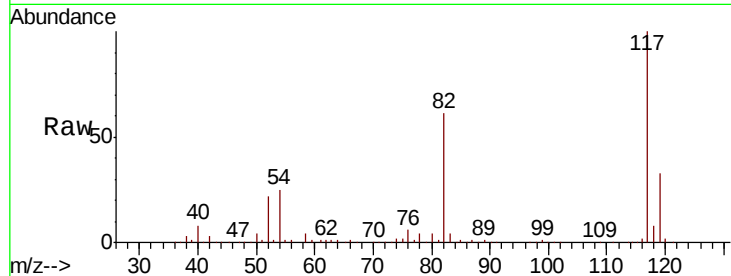




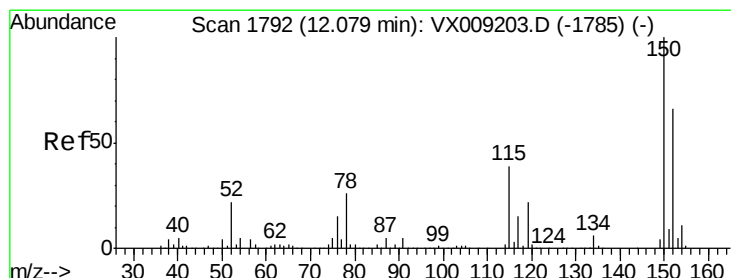
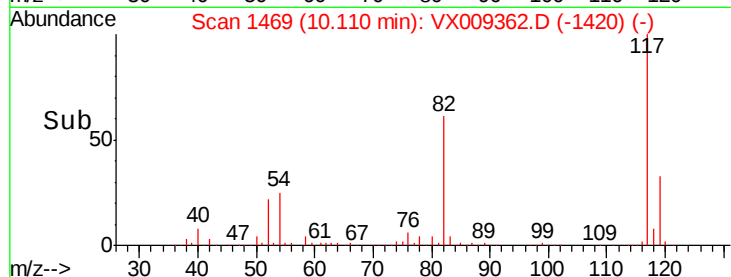
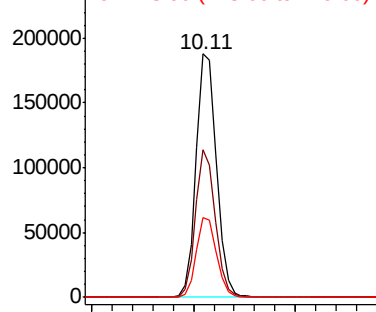
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-1

Tot Ion:117 Resp: 261179
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.8 25.8 38.6

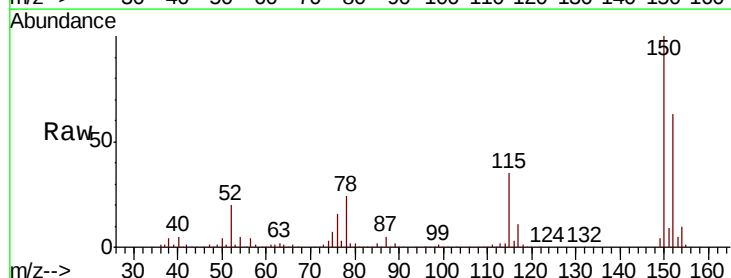


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

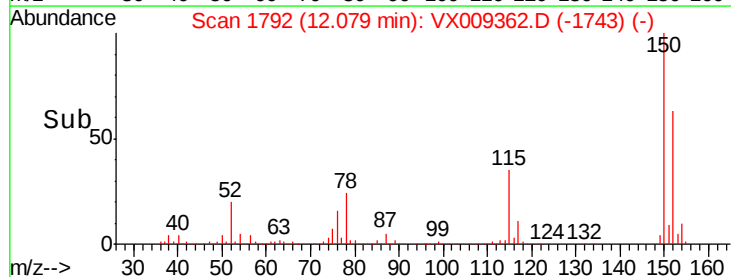
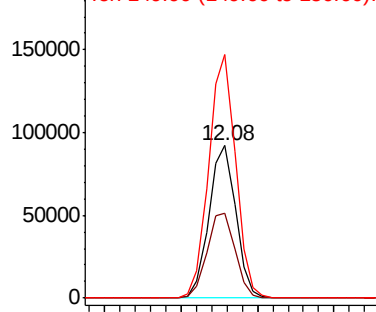


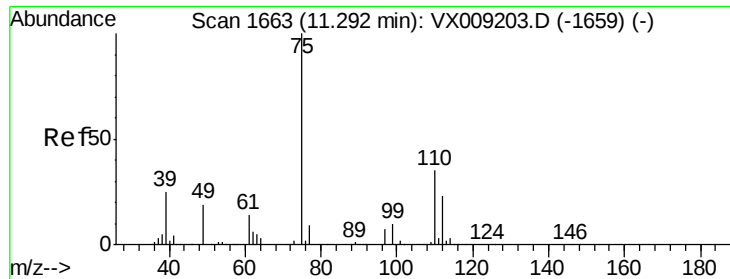
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009362.D
Acq: 06 May 2019 19:46

Tgt Ion:152 Resp: 112337
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 159.9 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: 24.093 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

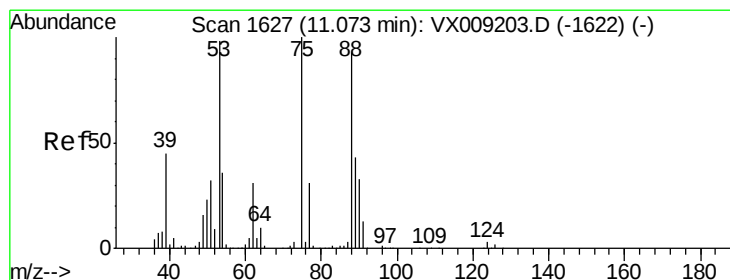
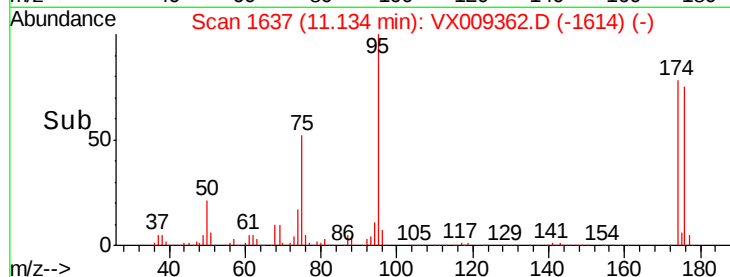
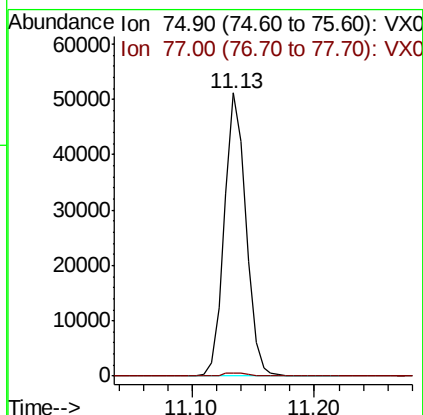
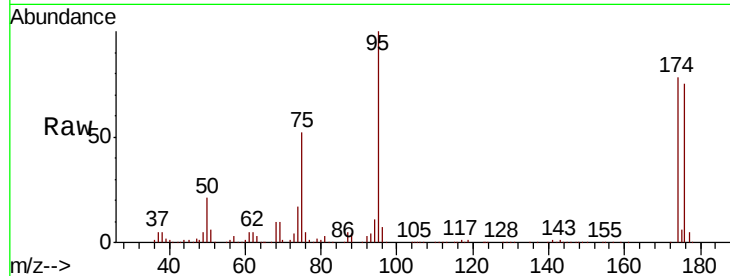
OUTFALL001-WK-1

Tot Ion: 75 Resp: 62783

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.646 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009362.D

Acq: 06 May 2019 19:46

Tgt Ion: 75 Resp: 62783

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

