

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050819\
 Data File : VX009397.D
 Acq On : 08 May 2019 14:46
 Operator : JC/SP
 Sample : K2736-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190507

Quant Time: May 09 06:29:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	179389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103808	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	117510	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	5.50	113	87550	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	354809	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	11.13	95	114923	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

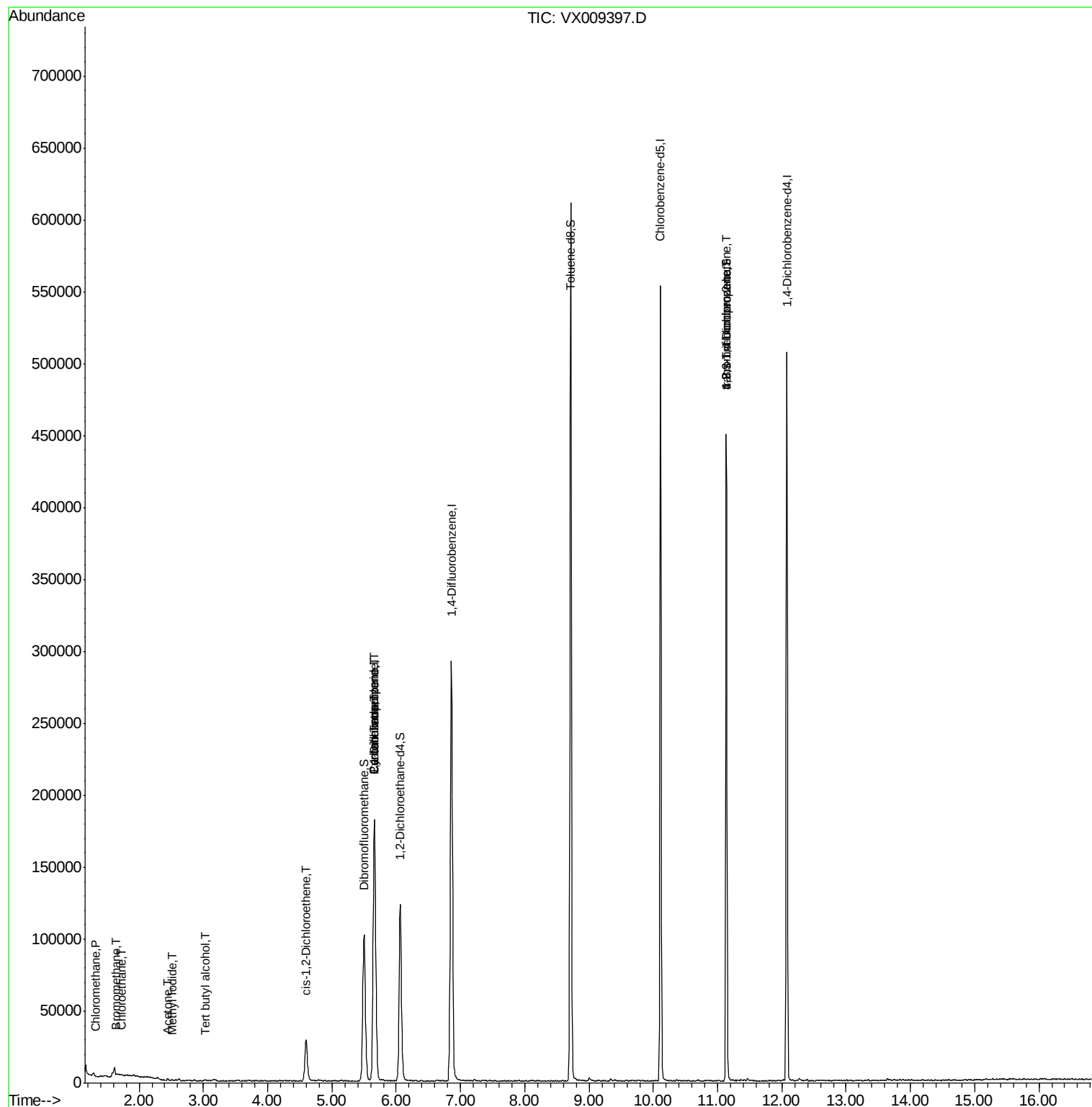
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	463	0.205	ug/l #	58
5) Bromomethane	1.64	94	598	0.453	ug/l #	66
6) Chloroethane	1.73	64	378	0.268	ug/l #	74
10) Methyl Iodide	2.51	142	420	4.789	ug/l #	78
11) Tert butyl alcohol	3.03	59	550	0.970	ug/l #	73
16) Acetone	2.44	43	1222	0.929	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	17706	8.126	ug/l	91
28) Bromochloromethane	5.02	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	3938	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13718	5.161	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17270	7.151	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59320	24.635	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59320	63.032	ug/l #	10

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

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QLast Update : Wed May 08 03:31:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

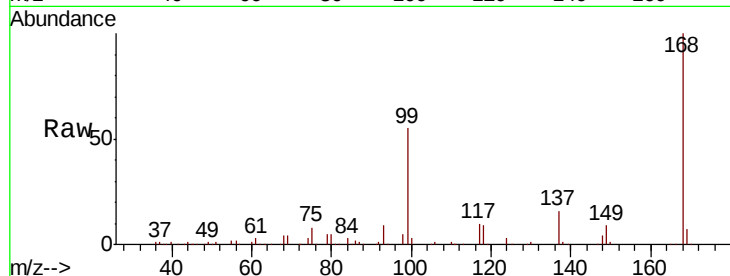
OUTFALL001-190507

Tot Ion:168 Resp: 179389

Ion Ratio Lower Upper

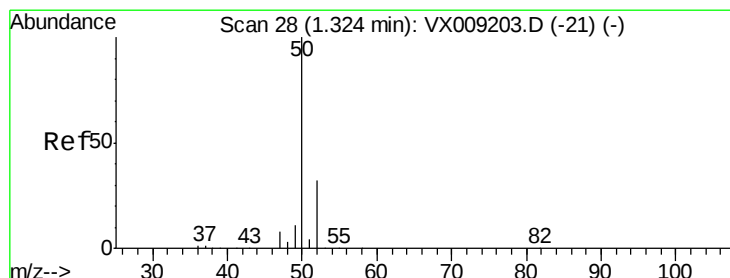
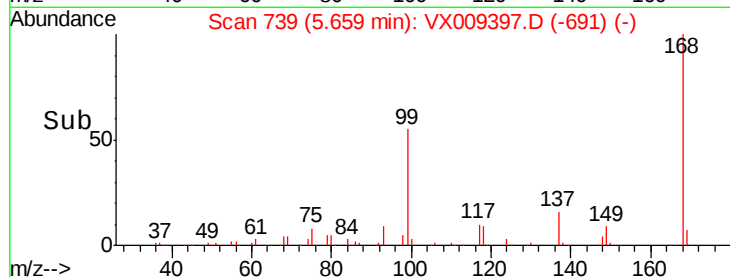
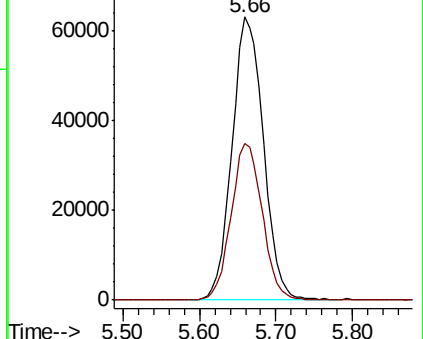
168 100

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



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009397.D

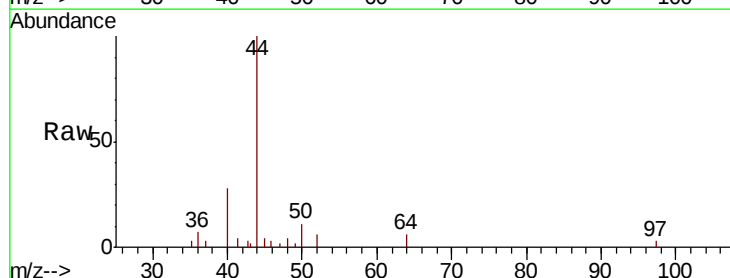
Acq: 08 May 2019 14:46

Tgt Ion: 50 Resp: 463

Ion Ratio Lower Upper

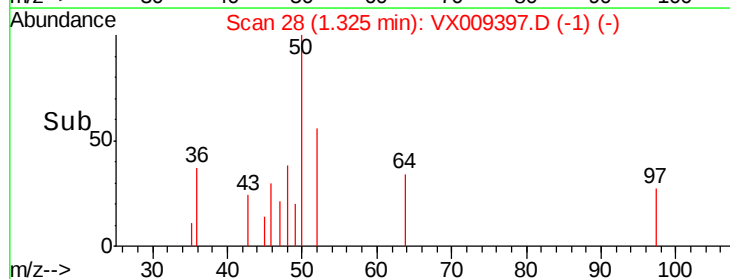
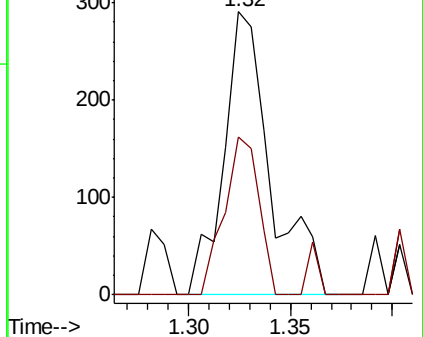
50 100

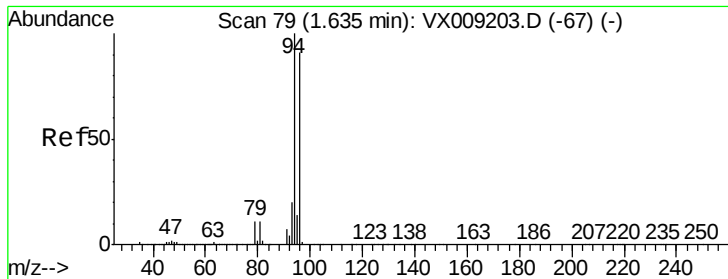
52 55.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.453 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

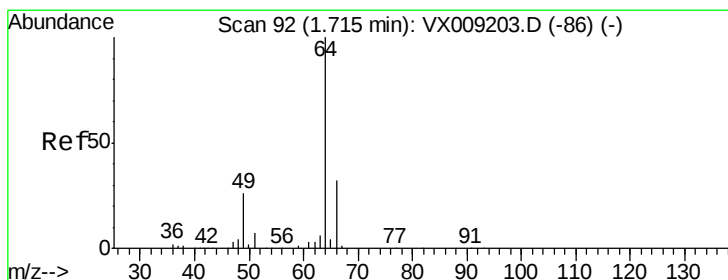
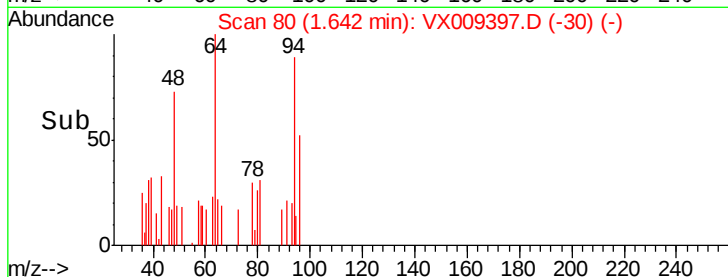
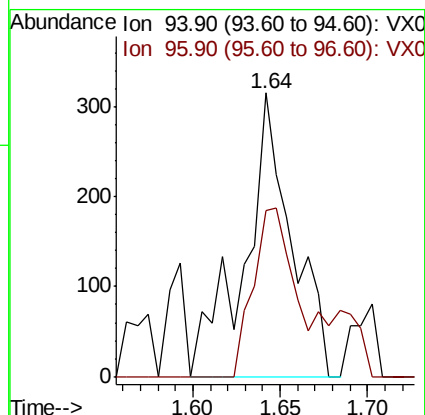
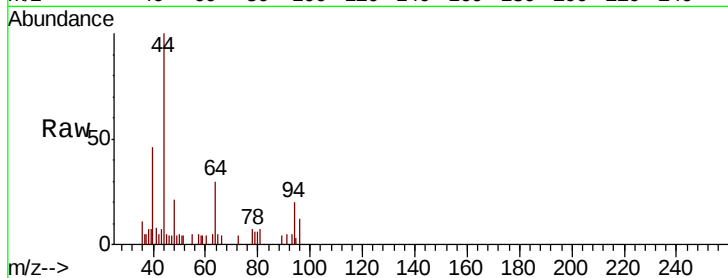
OUTFALL001-190507

Tot Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 58.7 73.0 109.6#



#6

Chloroethane

Concen: 0.268 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009397.D

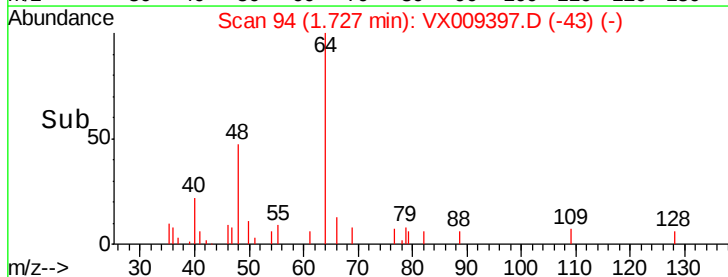
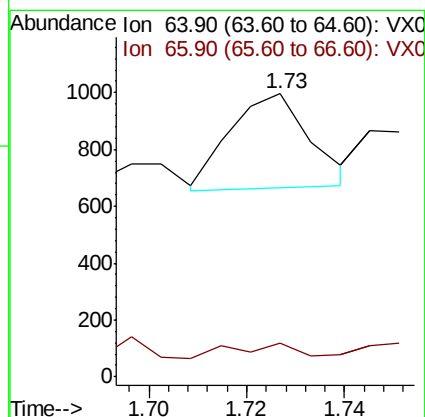
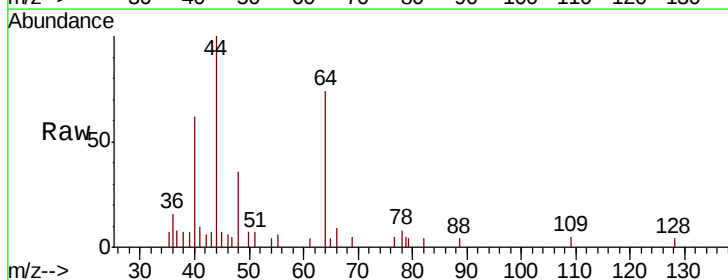
Acq: 08 May 2019 14:46

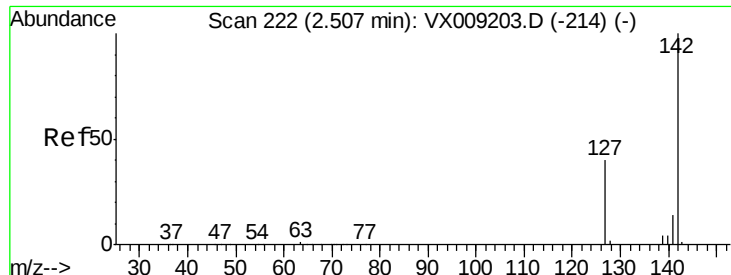
Tgt Ion: 64 Resp: 378

Ion Ratio Lower Upper

64 100

66 17.0 25.3 37.9#

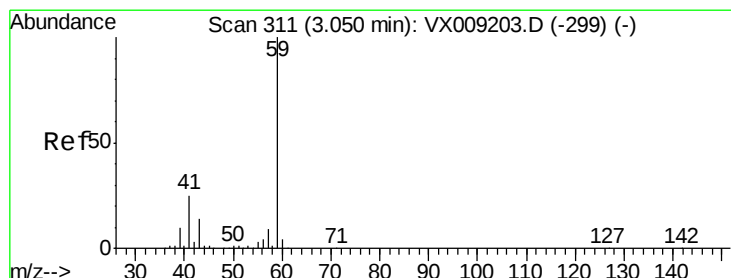
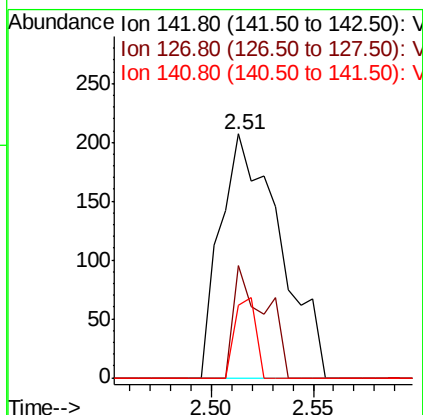
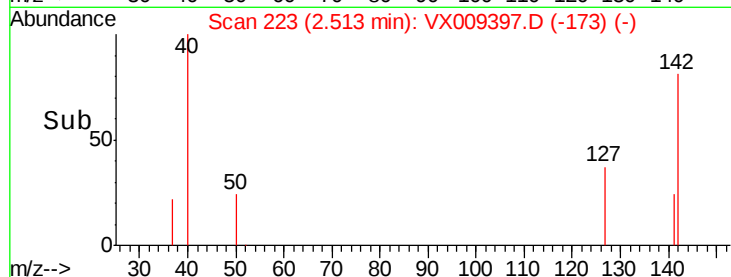
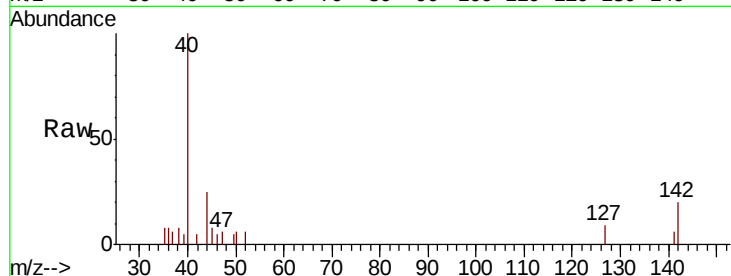




#10
Methvl Iodide
Concen: 4.789 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009397.D
Acq: 08 May 2019 14:46

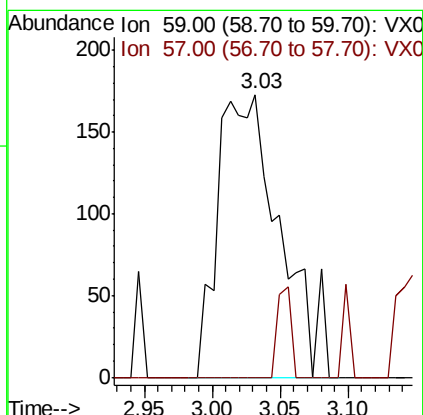
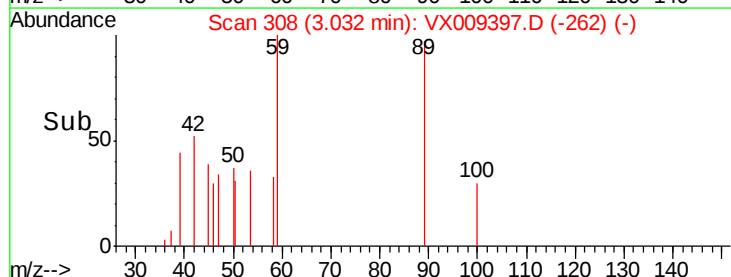
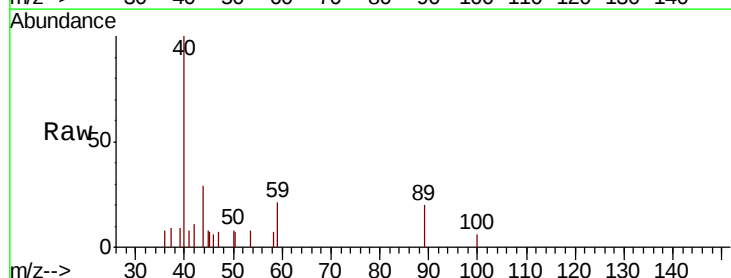
Instrument :
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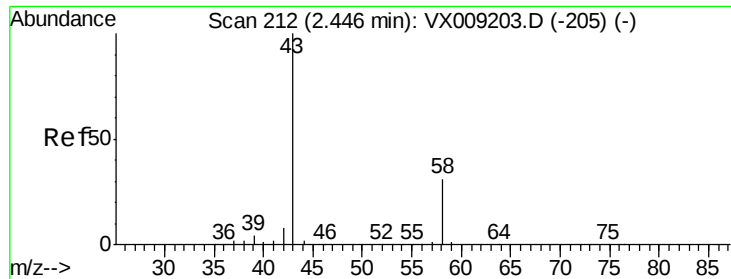
Tot Ion:142 Resp: 420
Ion Ratio Lower Upper
142 100
127 24.0 32.7 49.1#
141 11.2 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.970 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009397.D
Acq: 08 May 2019 14:46

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

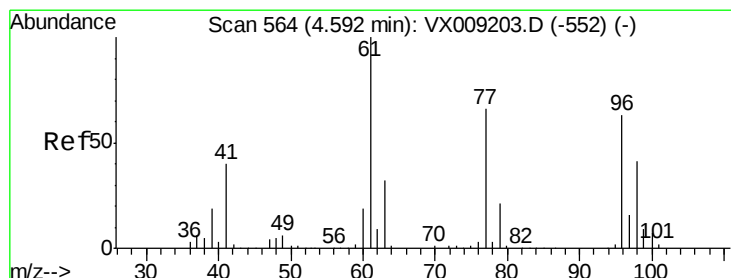
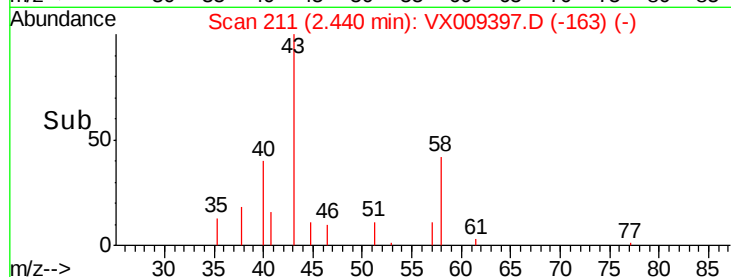
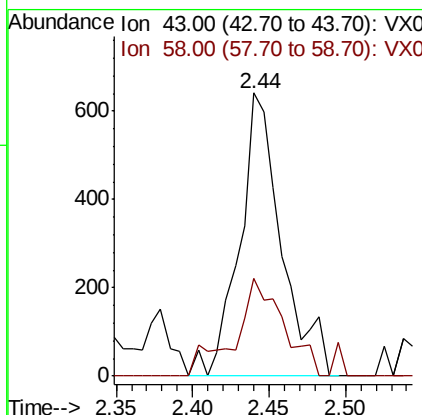
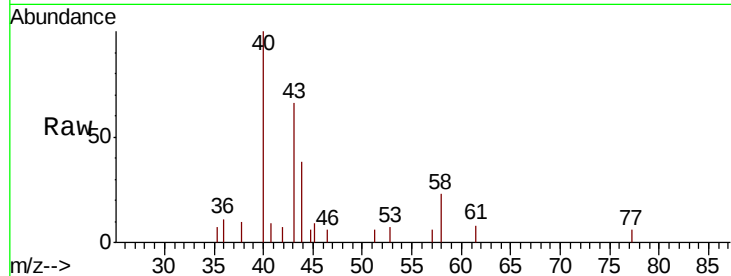




#16
Acetone
Concen: 0.929 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009397.D
Acq: 08 May 2019 14:46

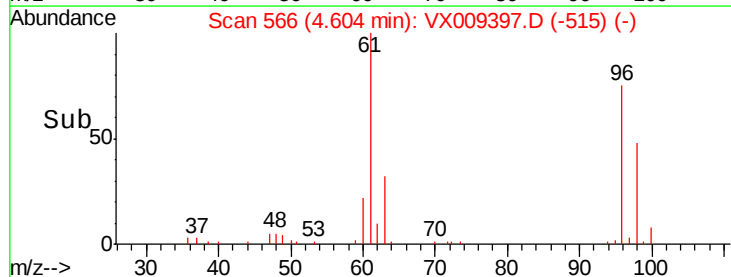
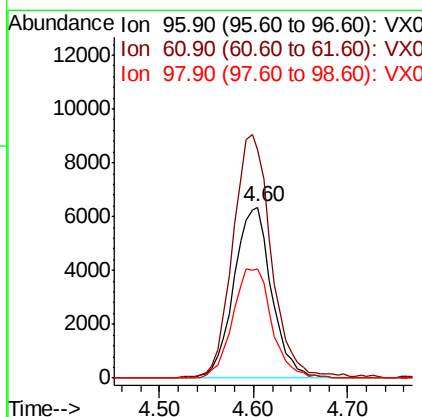
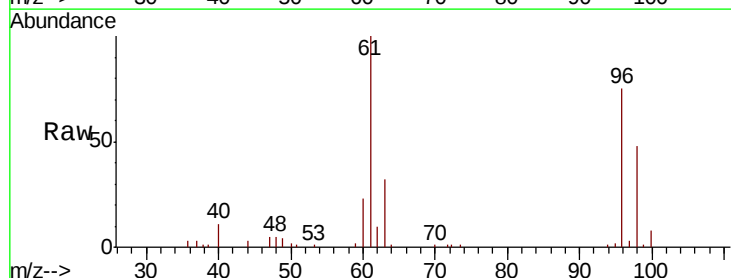
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190507

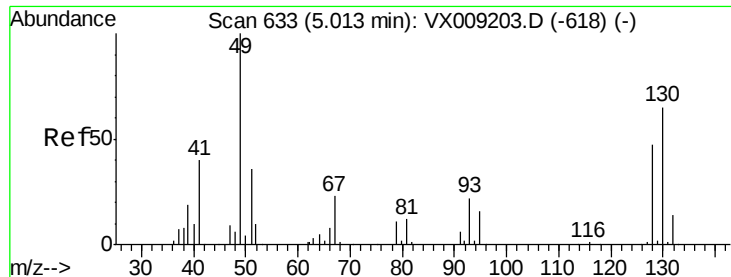
Tot Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 34.5 24.9 37.3



#27
cis-1,2-Dichloroethene
Concen: 8.126 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009397.D
Acq: 08 May 2019 14:46

Tgt Ion: 96 Resp: 17706
Ion Ratio Lower Upper
96 100
61 146.0 0.0 324.0
98 66.4 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190507

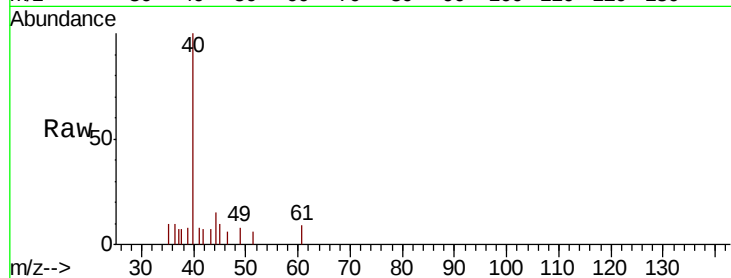
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

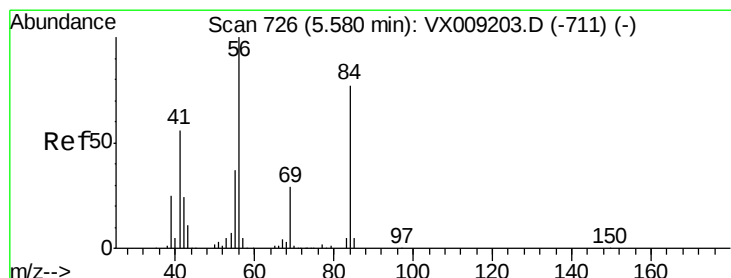
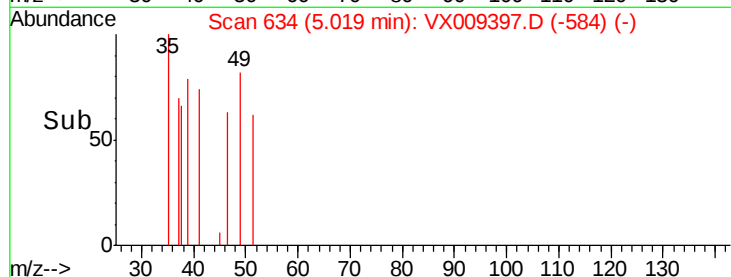
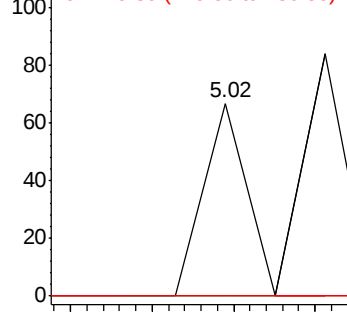
130 0.0 51.2 76.8#



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: 1.088 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

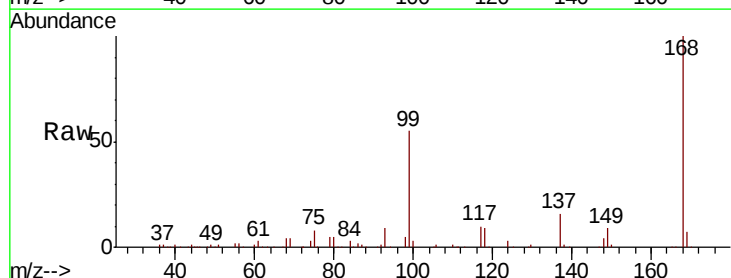
Tgt Ion: 56 Resp: 3938

Ion Ratio Lower Upper

56 100

69 170.2 23.4 35.0#

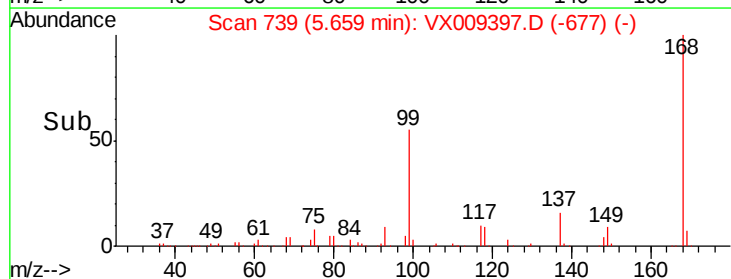
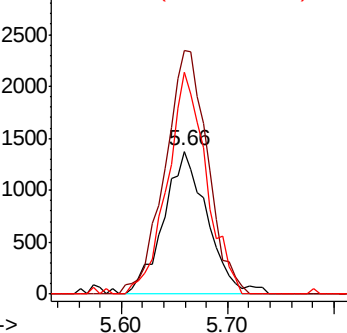
84 154.7 61.9 92.9#



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: 47.985 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

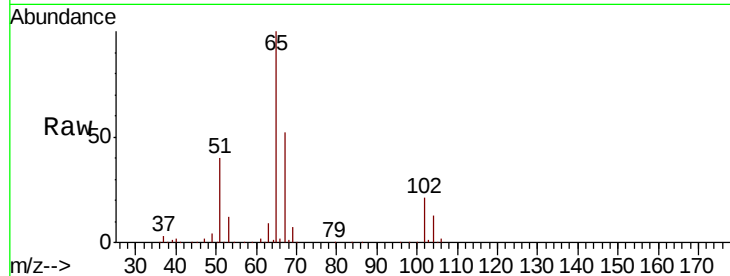
OUTFALL001-190507

Tot Ion: 65 Resp: 117510

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

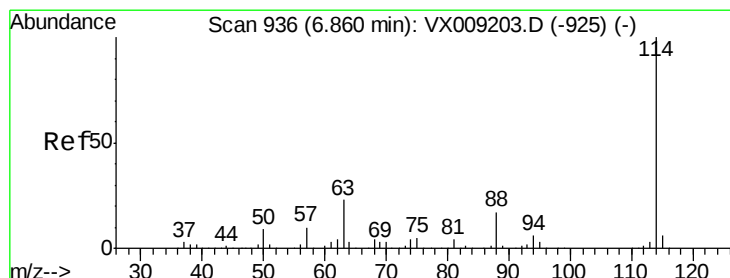
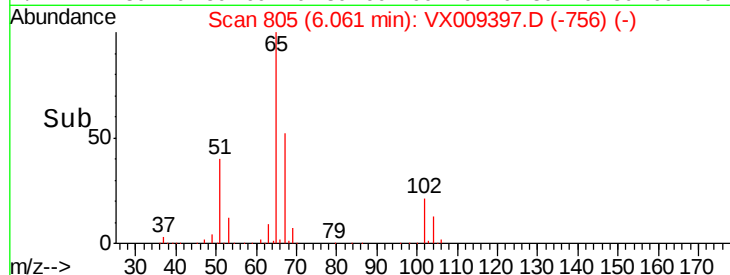
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

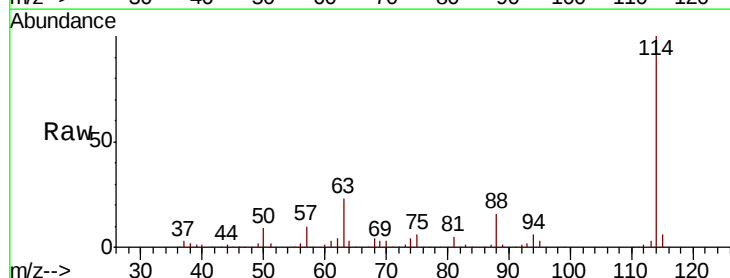
Tgt Ion: 114 Resp: 286021

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.2 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

150000

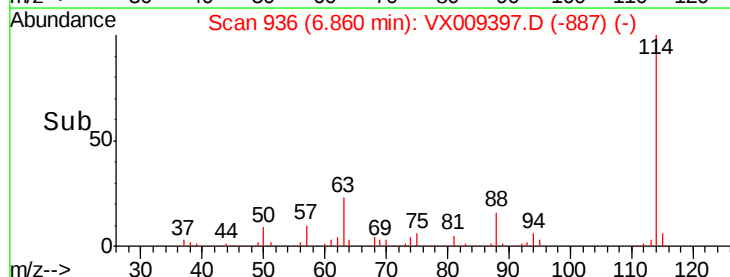
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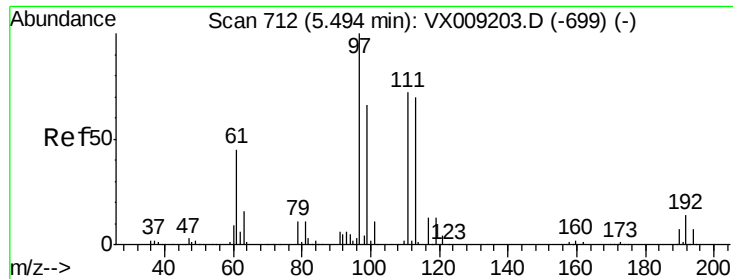
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Time-->

6.70 6.80 6.90 7.00

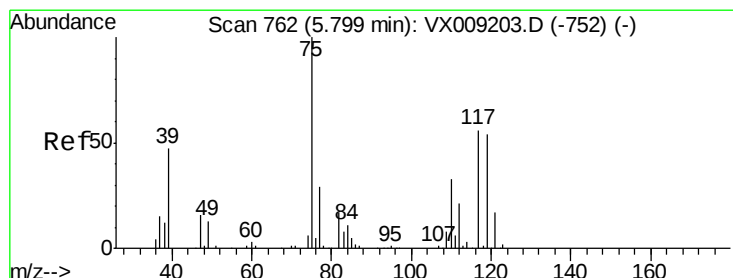
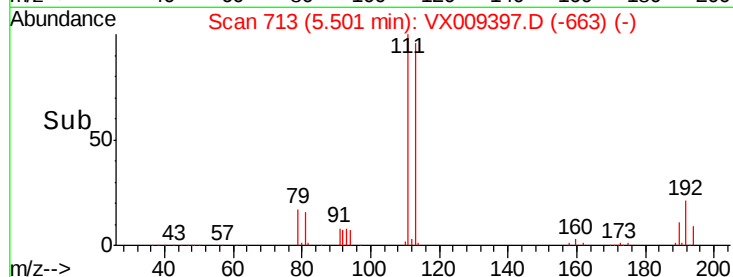
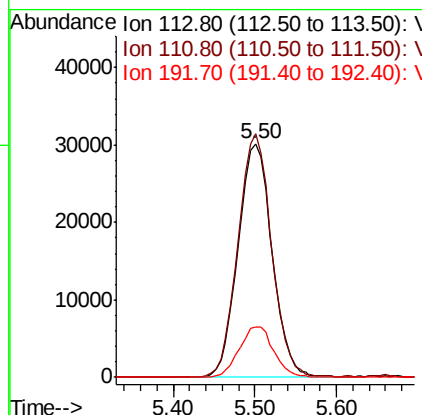
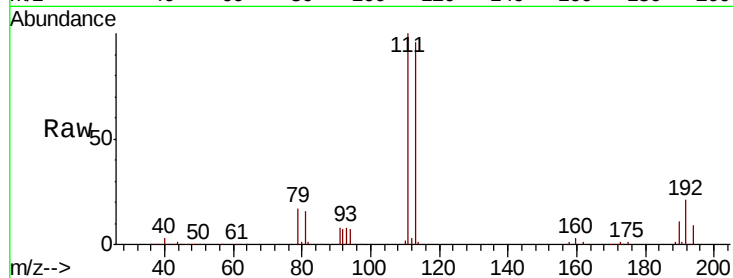




#35
 Dibromofluoromethane
 Concen: 48.692 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009397.D
 Acq: 08 May 2019 14:46

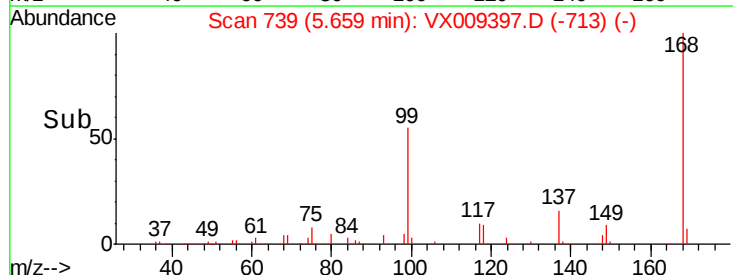
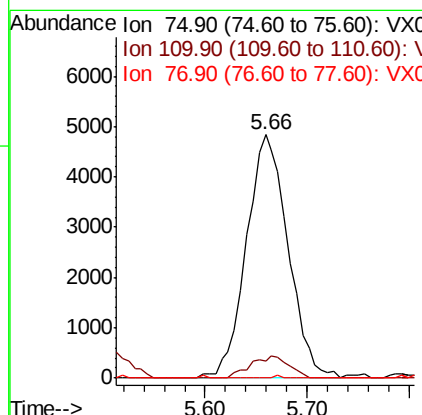
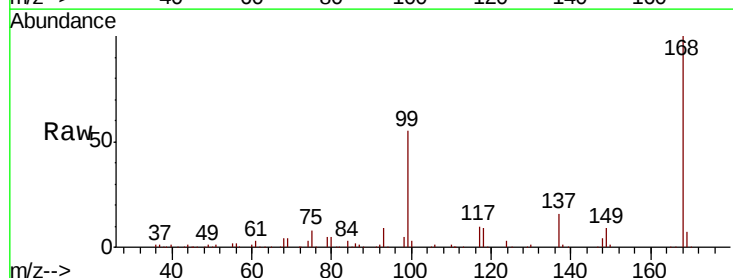
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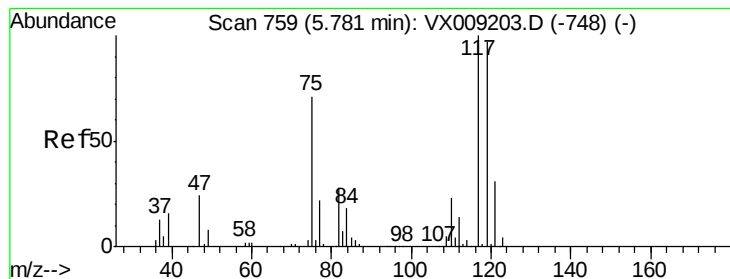
Tot Ion:113 Resp: 87550
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009397.D
 Acq: 08 May 2019 14:46

Tgt Ion: 75 Resp: 13718
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.151 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190507

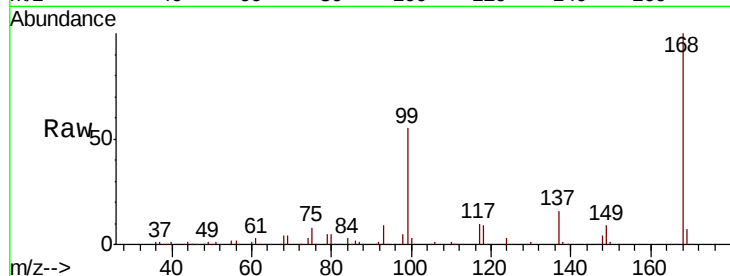
Tot Ion:117 Resp: 17270

Ion Ratio Lower Upper

117 100

119 4.2 77.5 116.3#

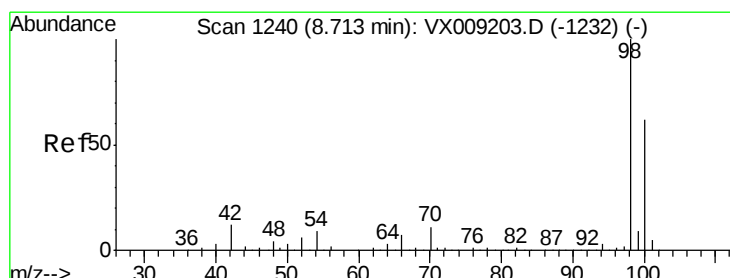
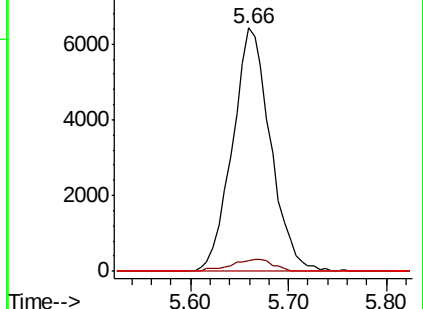
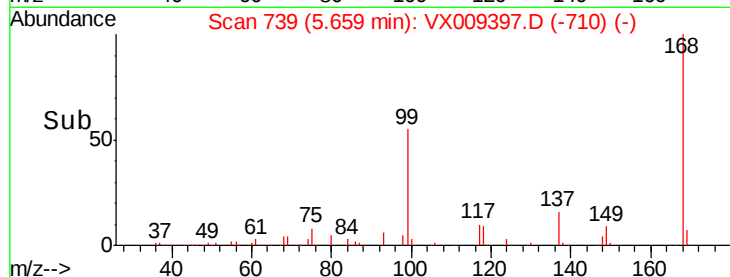
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 48.878 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009397.D

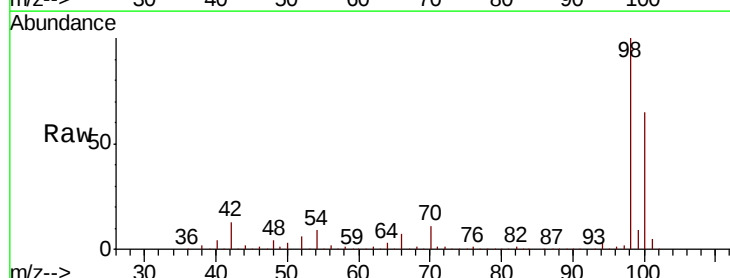
Acq: 08 May 2019 14:46

Tgt Ion: 98 Resp: 354809

Ion Ratio Lower Upper

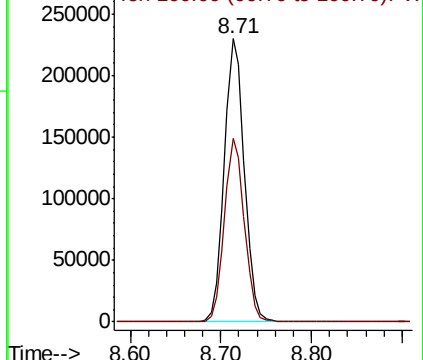
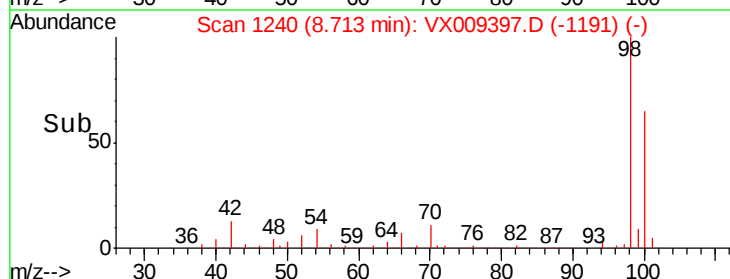
98 100

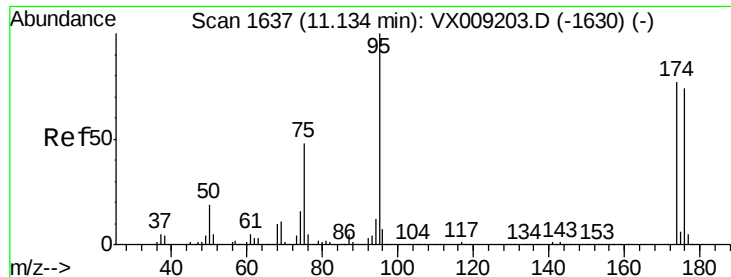
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.569 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190507

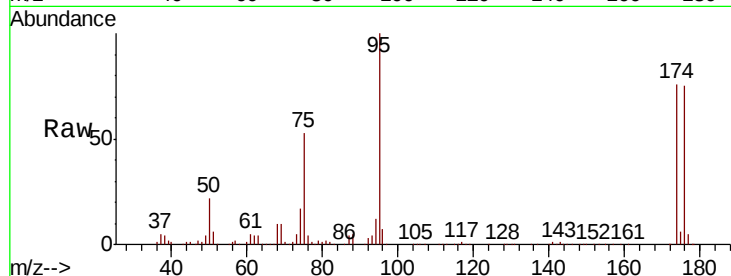
Tot Ion: 95 Resp: 114923

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

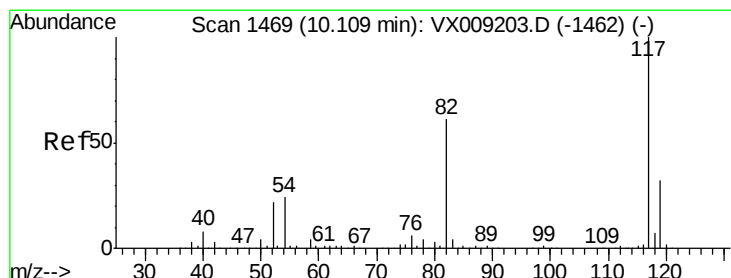
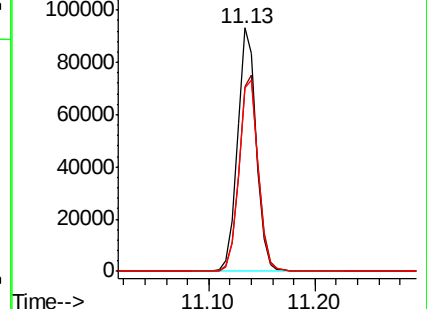
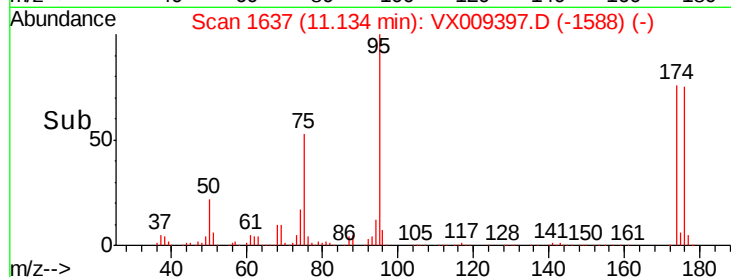
176 81.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009397.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009397.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009397.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

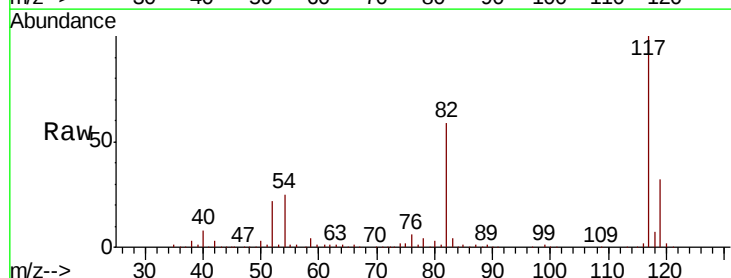
Tgt Ion: 117 Resp: 247360

Ion Ratio Lower Upper

117 100

82 59.0 48.8 73.2

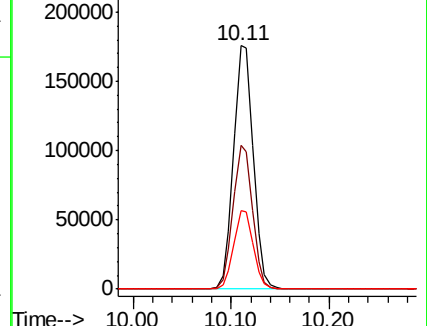
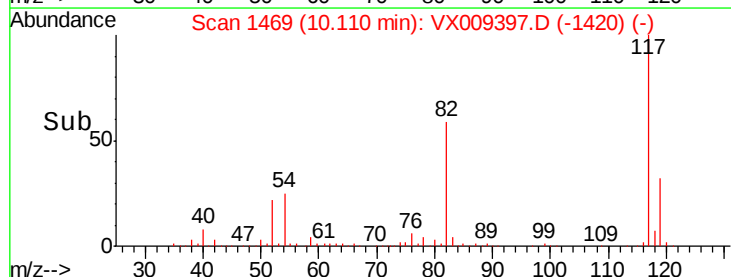
119 32.5 25.8 38.6

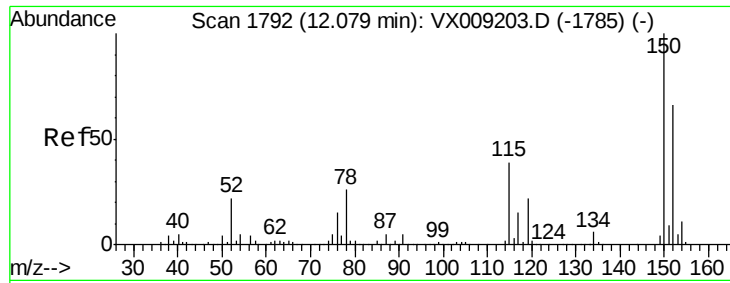


Abundance Ion 116.90 (116.60 to 117.60): VX009397.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009397.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009397.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190507

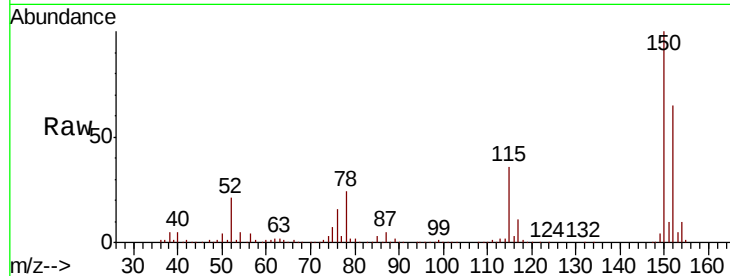
Tot Ion:152 Resp: 103808

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

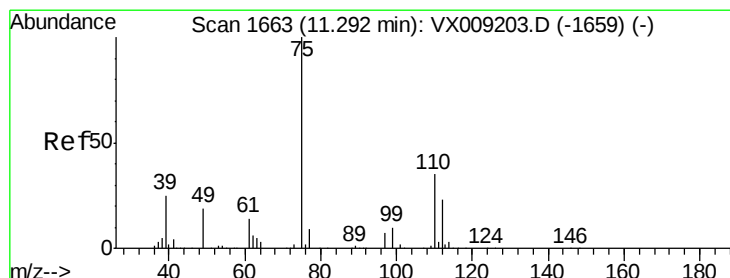
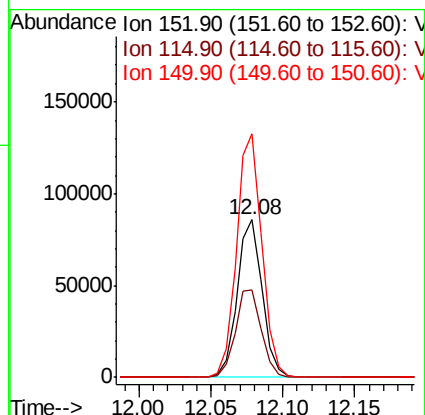
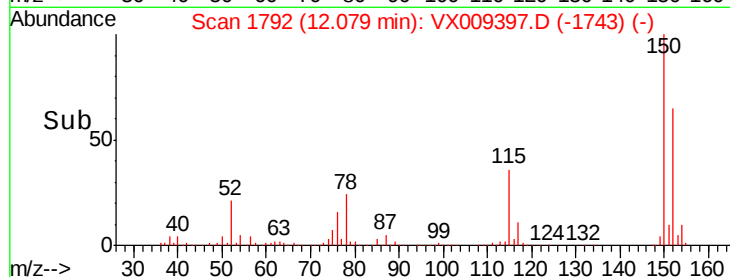
150 156.8 0.0 346.4



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: 24.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009397.D

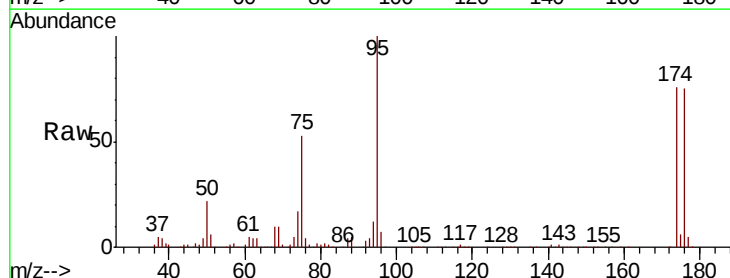
Acq: 08 May 2019 14:46

Tgt Ion: 75 Resp: 59320

Ion Ratio Lower Upper

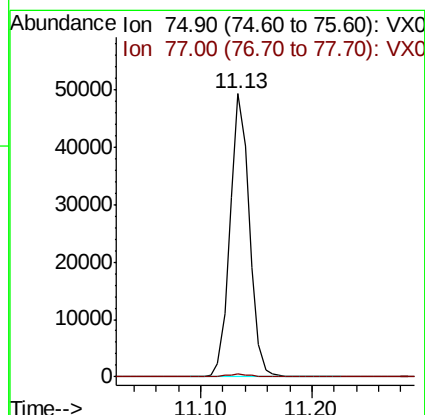
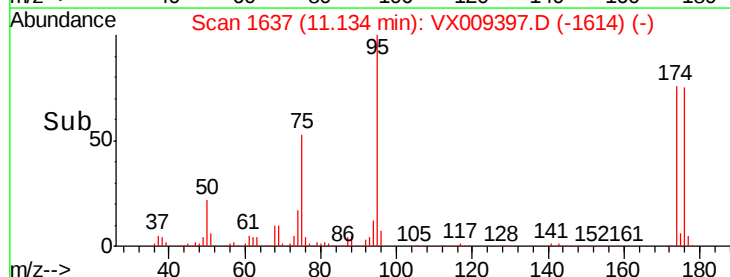
75 100

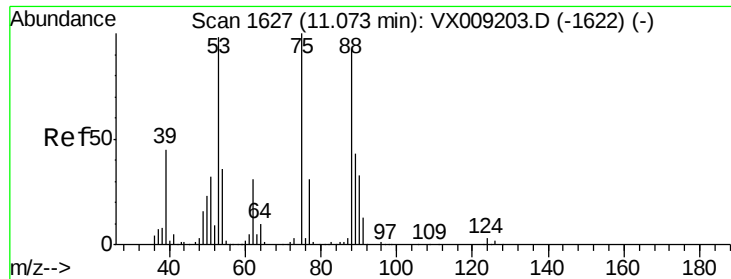
77 1.2 22.1 66.1#



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: 63.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009397.D

Acq: 08 May 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190507

Tot Ion: 75 Resp: 59320

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

