

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009500.D
 Acq On : 10 May 2019 22:47
 Operator : JC/SP
 Sample : K2781-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-2

Quant Time: May 11 03:32:58 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	178060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93039	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	115469	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	5.50	113	86382	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.71	98	349304	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	107935	41.44	ug/l	0.00
Spiked Amount			Recovery	=	82.88%	

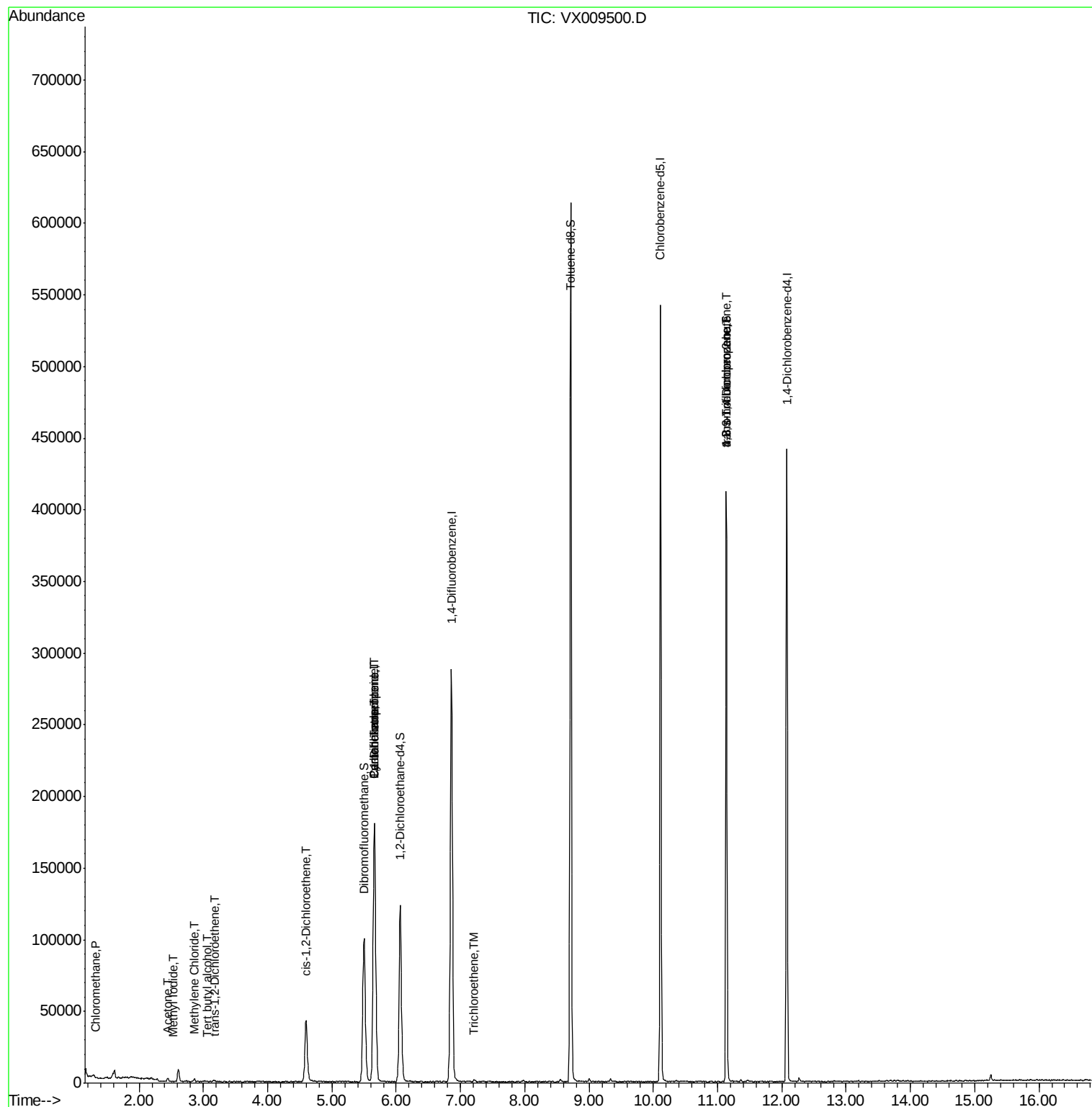
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	521	0.233	ug/l	96
10) Methyl Iodide	2.53	142	23	4.605	ug/l #	42
11) Tert butyl alcohol	3.06	59	158	0.281	ug/l #	88
16) Acetone	2.45	43	2807	2.151	ug/l	98
20) Methylene Chloride	2.86	84	741	0.351	ug/l #	90
21) trans-1,2-Dichloroethene	3.17	96	376	0.208	ug/l #	37
27) cis-1,2-Dichloroethene	4.60	96	26531	12.268	ug/l	90
28) Bromochloromethane	4.99	49	22	Below Cal	#	20
31) Cyclohexane	5.66	56	3840	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13714	5.225	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15959	6.692	ug/l #	16
44) Trichloroethene	7.21	130	436	0.222	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	55450	25.693	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55450	65.739	ug/l #	10

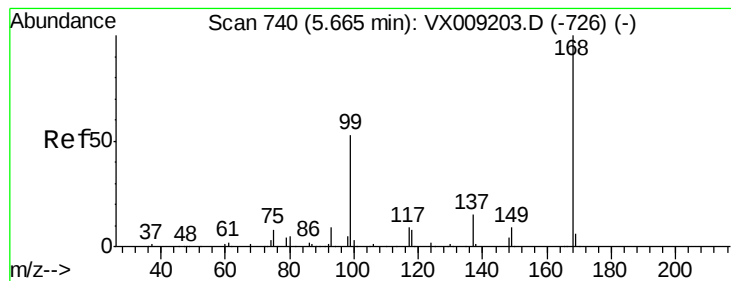
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 03:32:58 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: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

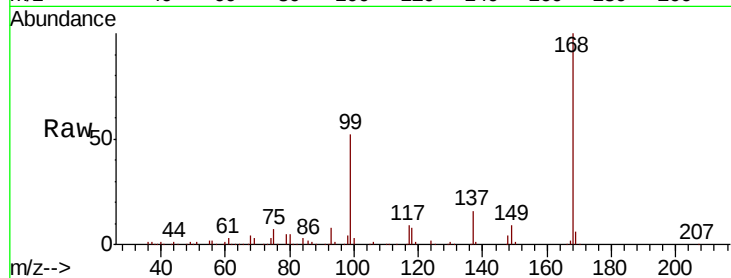
OUTFALL001-WK-2

Tot Ion:168 Resp: 178060

Ion Ratio Lower Upper

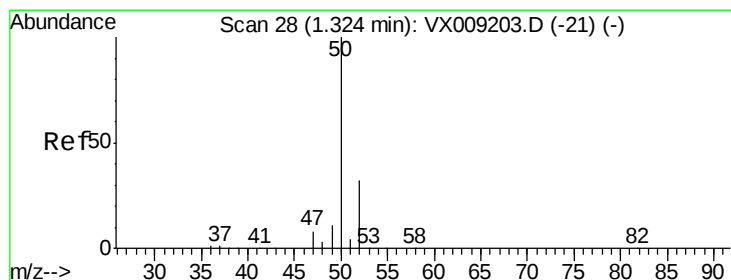
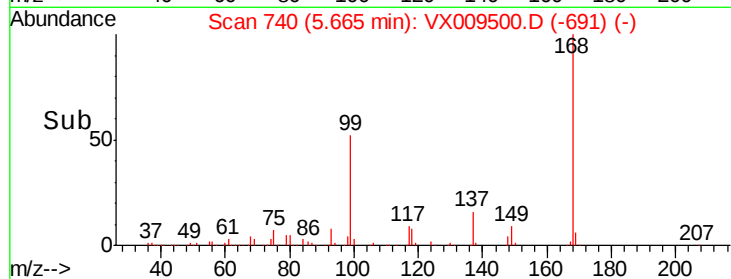
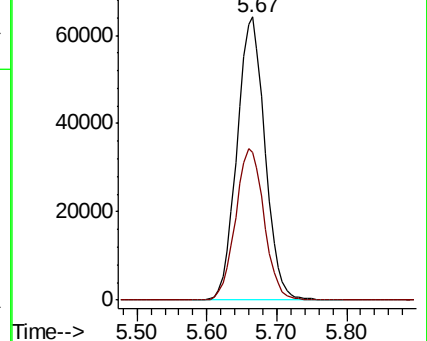
168 100

99 52.2 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: 0.233 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009500.D

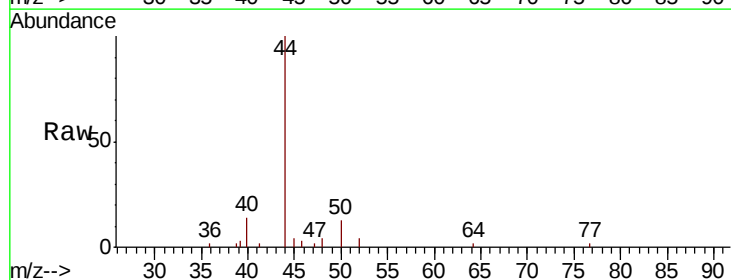
Acq: 10 May 2019 22:47

Tgt Ion: 50 Resp: 521

Ion Ratio Lower Upper

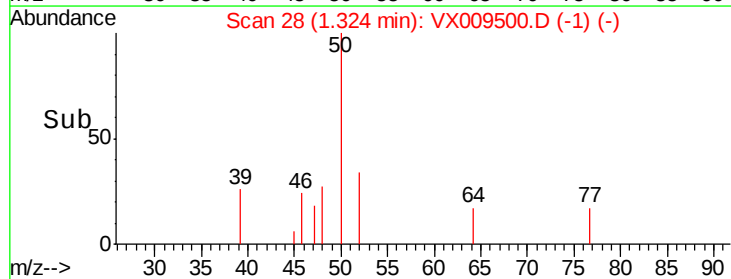
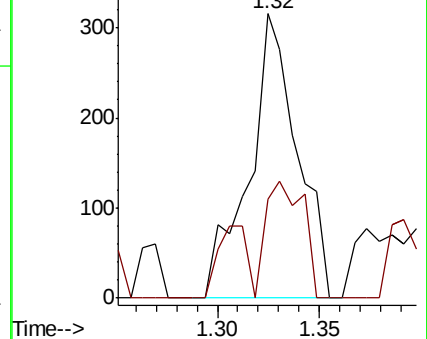
50 100

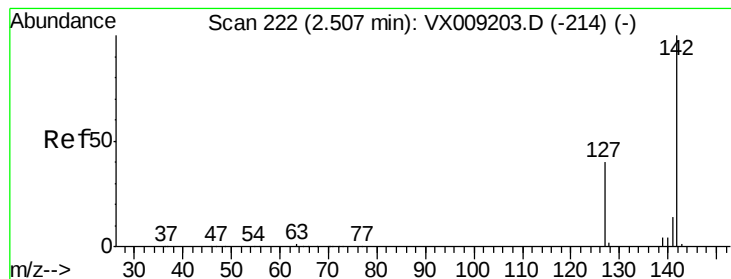
52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

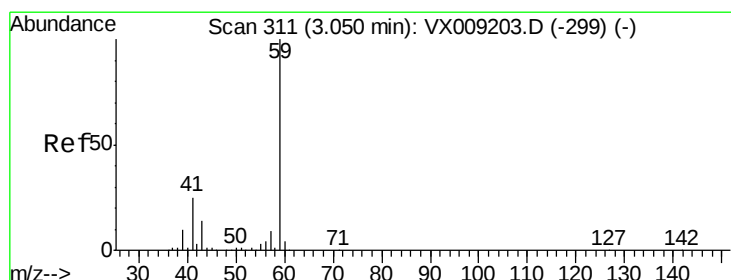
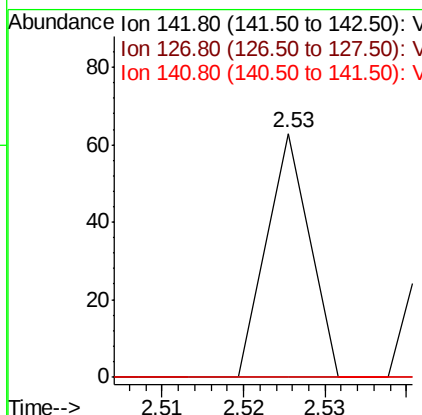
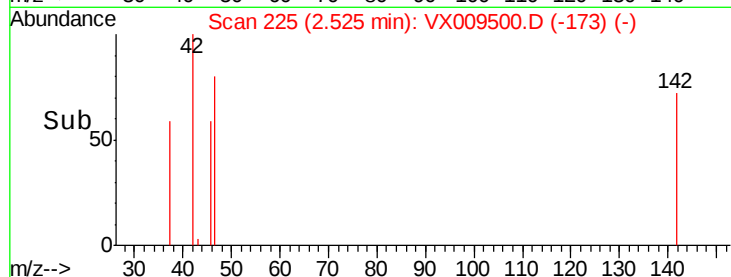
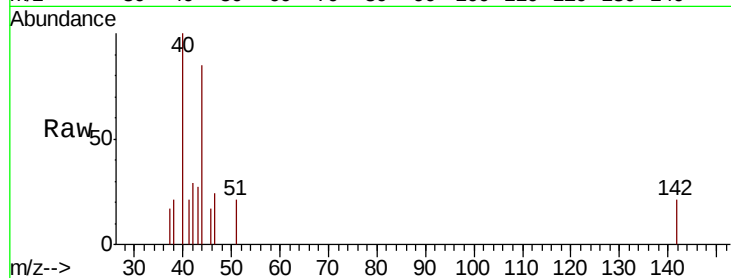




#10
Methvl Iodide
Concen: 4.605 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

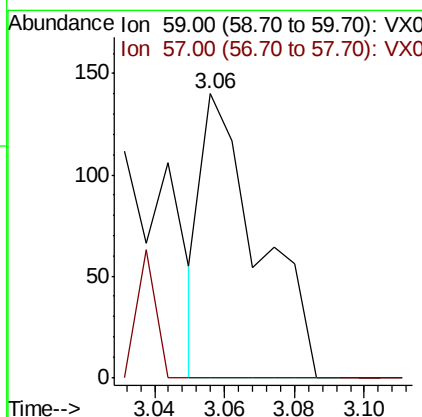
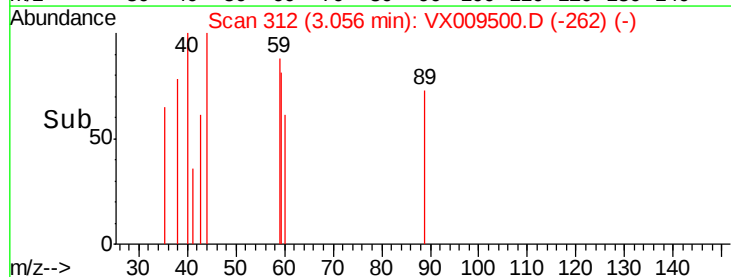
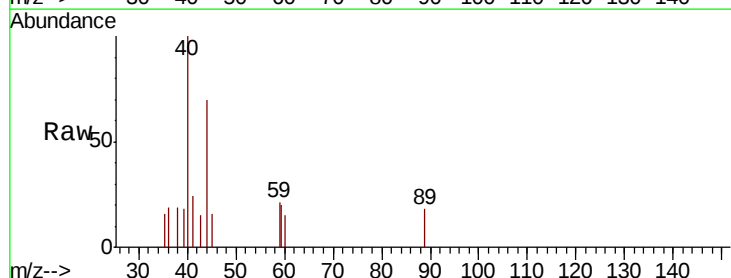
Instrument :
MSVOA_X
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OUTFALL001-WK-2

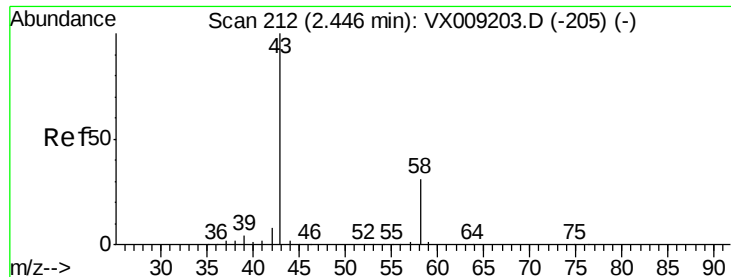
Tot Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.281 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 14.6 8.2 12.2#

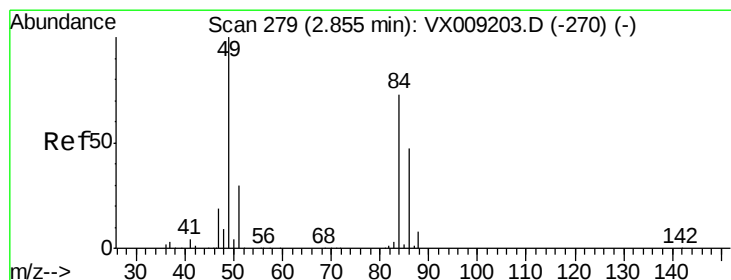
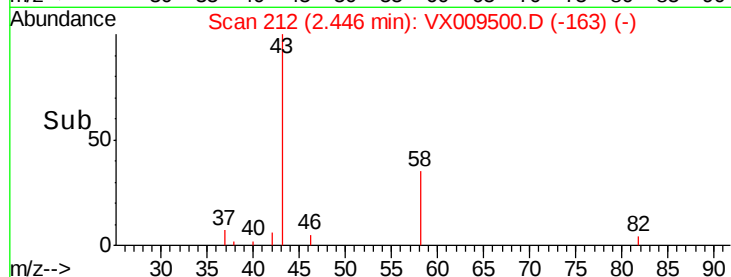
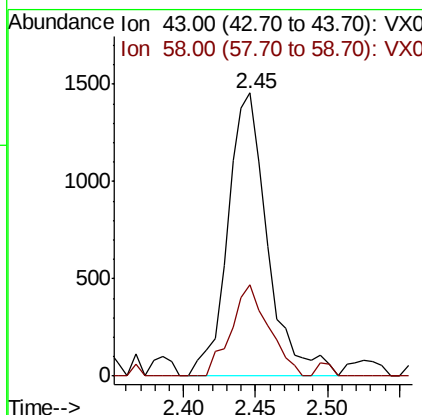
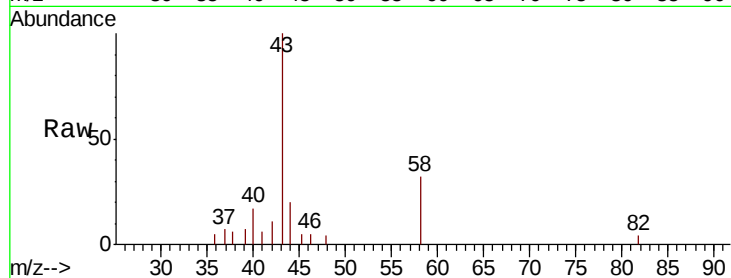




#16
Acetone
Concen: 2.151 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

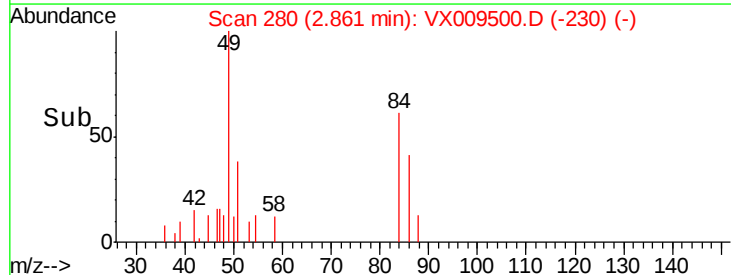
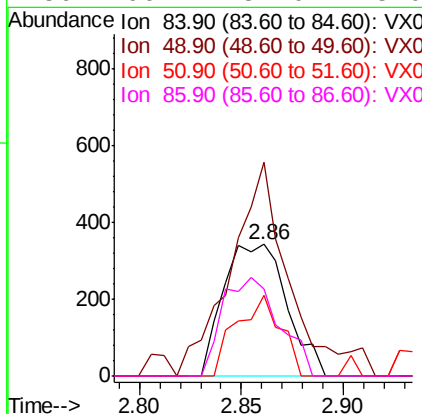
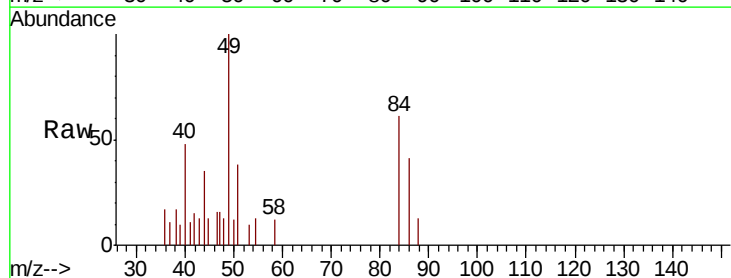
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-2

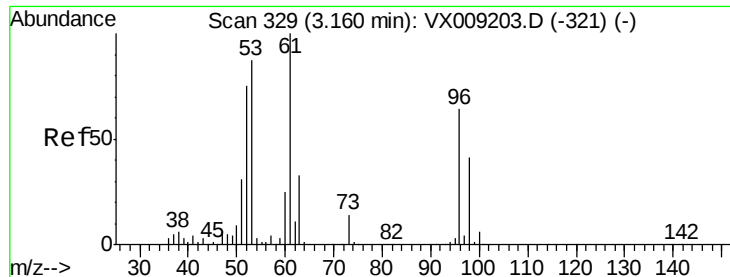
Tot Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
58 32.4 24.9 37.3



#20
Methylene Chloride
Concen: 0.351 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

Tgt Ion: 84 Resp: 741
Ion Ratio Lower Upper
84 100
49 146.5 109.9 164.9
51 61.4 32.7 49.1#
86 66.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

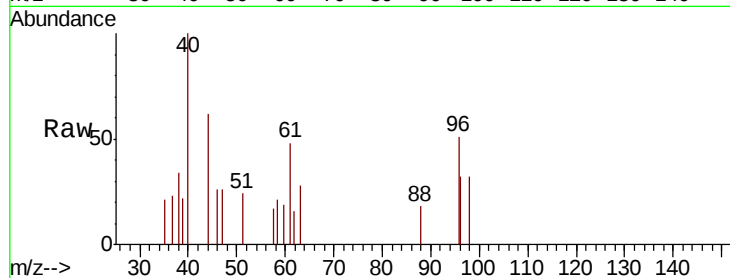
Tot Ion: 96 Resp: 376

Ion Ratio Lower Upper

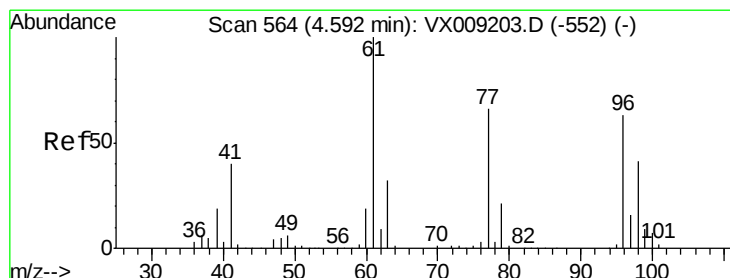
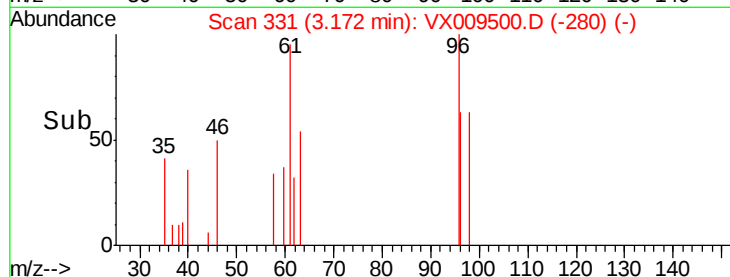
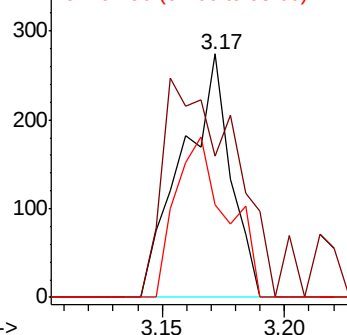
96 100

61 58.0 124.5 186.7#

98 38.3 50.4 75.6#



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



#27

cis-1,2-Dichloroethene

Concen: 12.268 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

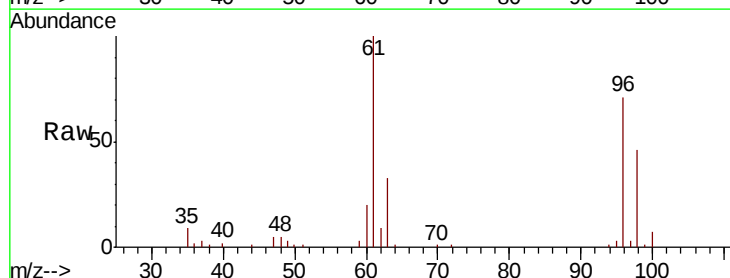
Tgt Ion: 96 Resp: 26531

Ion Ratio Lower Upper

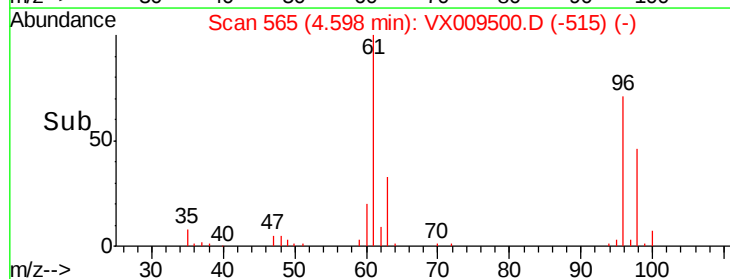
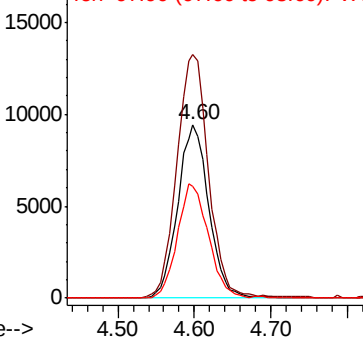
96 100

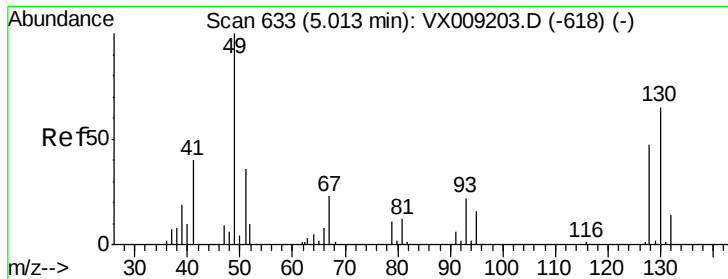
61 142.8 0.0 324.0

98 65.3 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: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

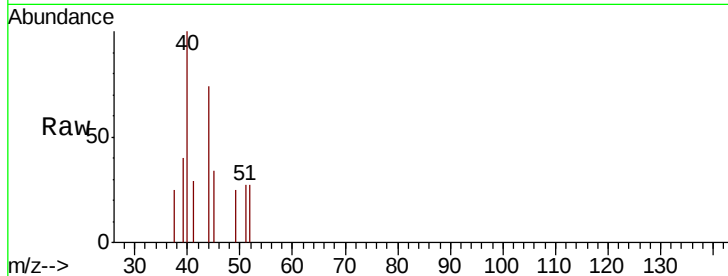
MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

Tot Ion: 49 Resp: 22

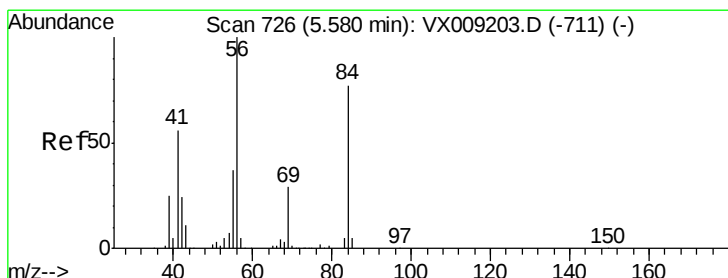
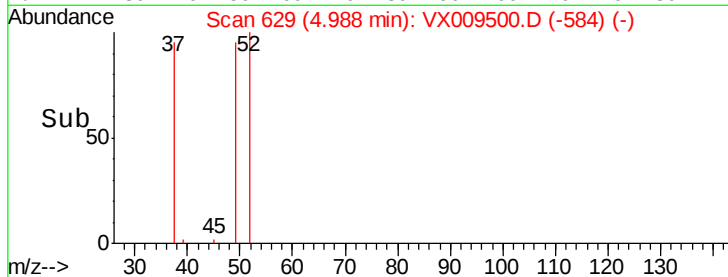
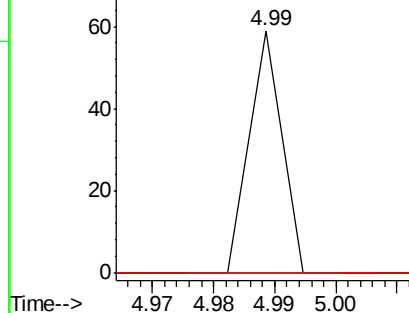
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



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: 1.069 ug/l

RT: 5.66 min Scan# 739

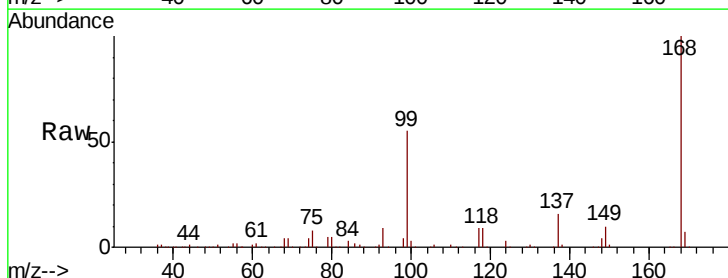
Delta R.T. 0.08 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Tgt Ion: 56 Resp: 3840

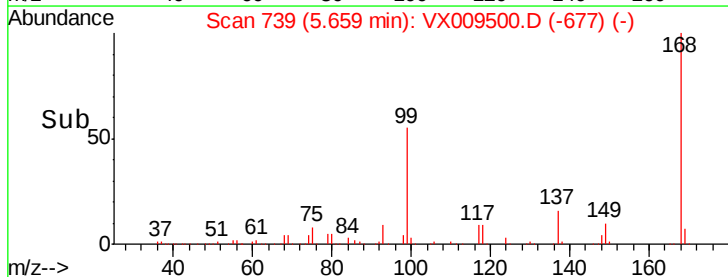
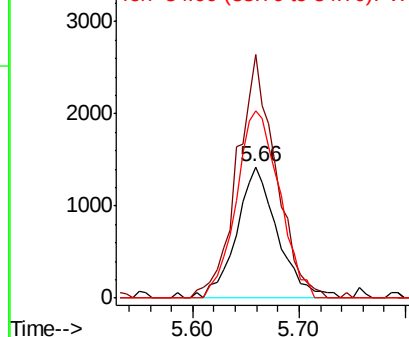
Ion	Ratio	Lower	Upper
56	100		
69	185.4	23.4	35.0#
84	142.9	61.9	92.9#

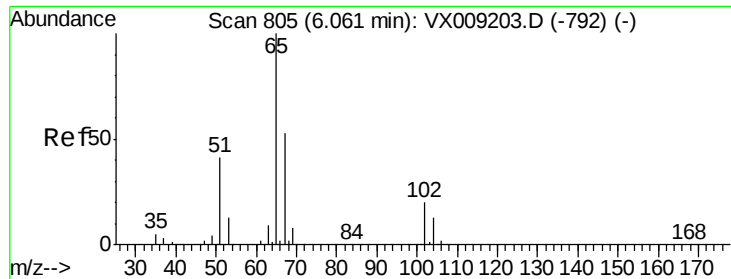


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.504 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

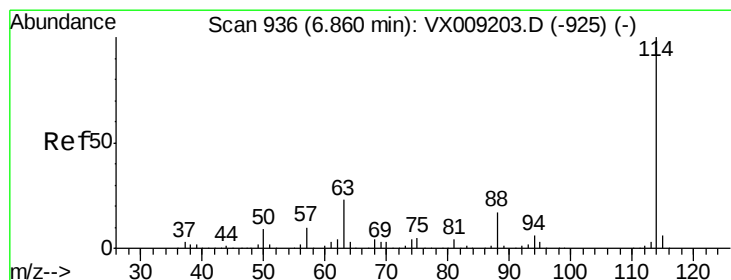
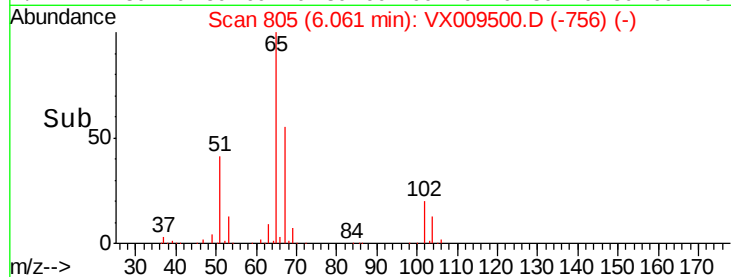
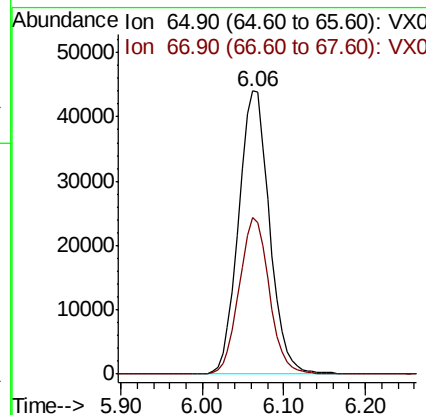
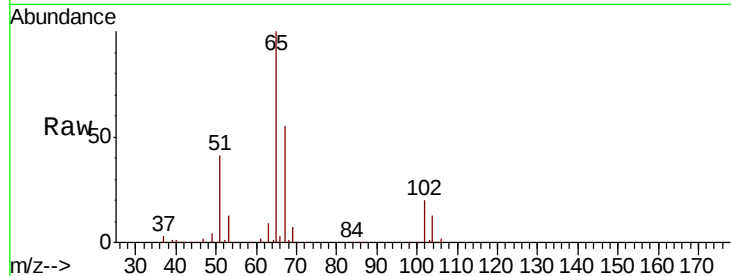
OUTFALL001-WK-2

Tot Ion: 65 Resp: 115469

Ion Ratio Lower Upper

65 100

67 54.1 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: VX009500.D

Acq: 10 May 2019 22:47

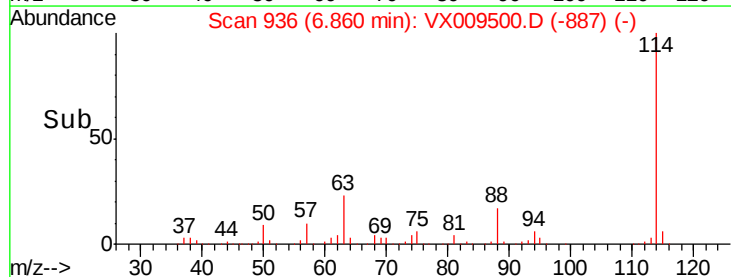
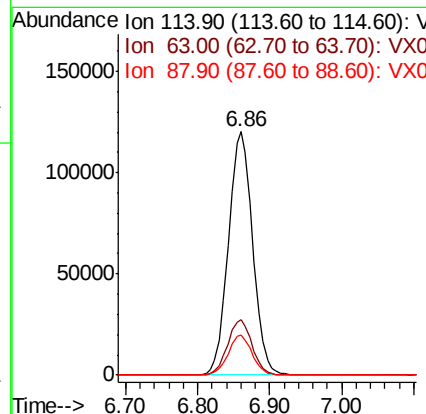
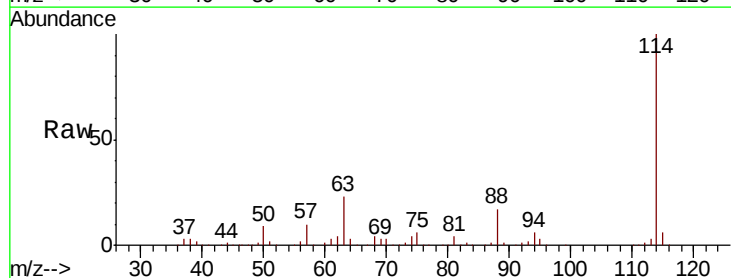
Tgt Ion: 114 Resp: 282427

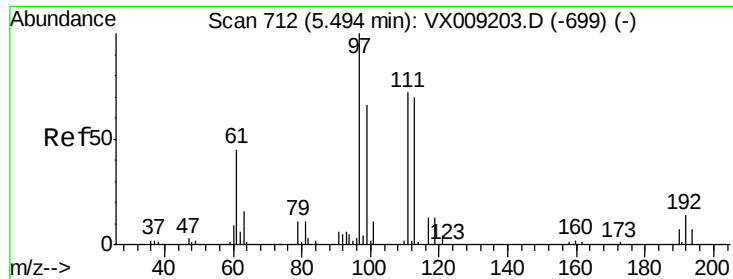
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.654 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

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ClientSampleId :

OUTFALL001-WK-2

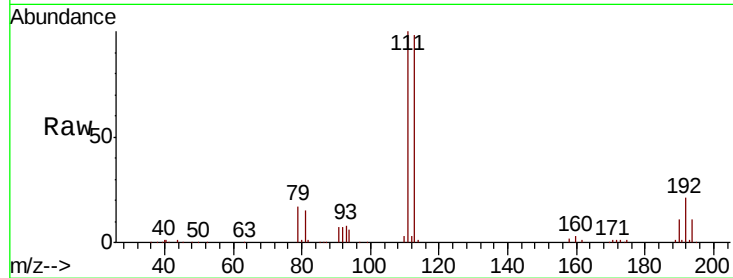
Tot Ion:113 Resp: 86382

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

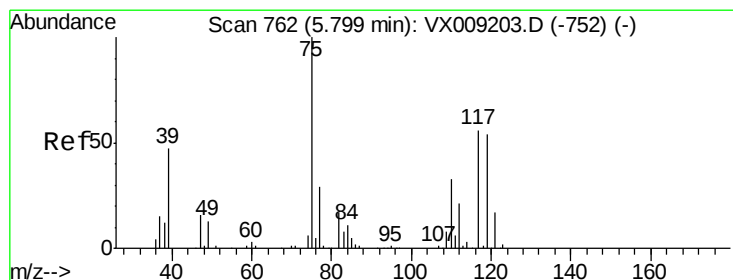
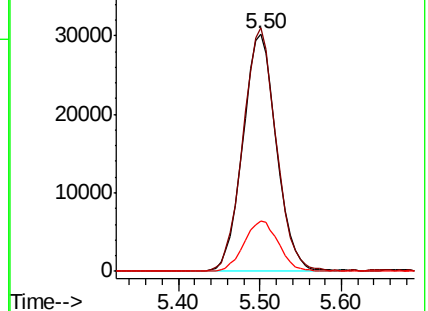
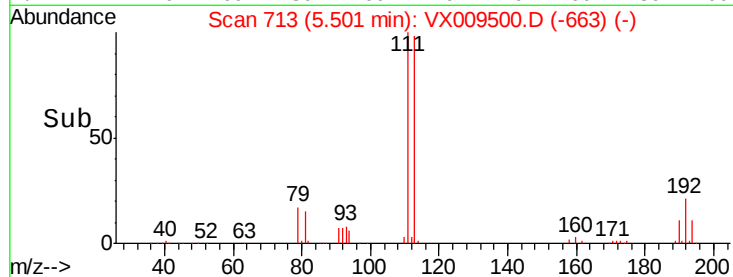
192 21.7 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.225 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

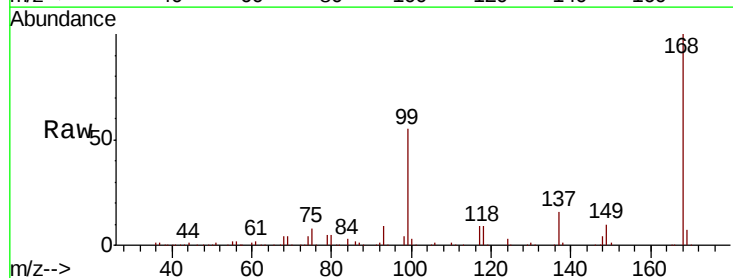
Tgt Ion: 75 Resp: 13714

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

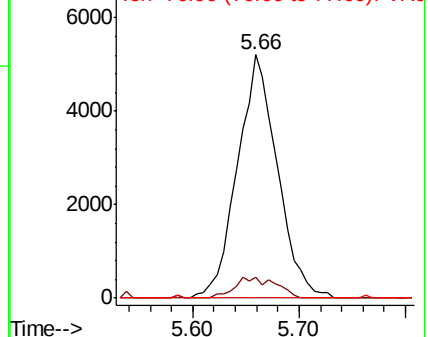
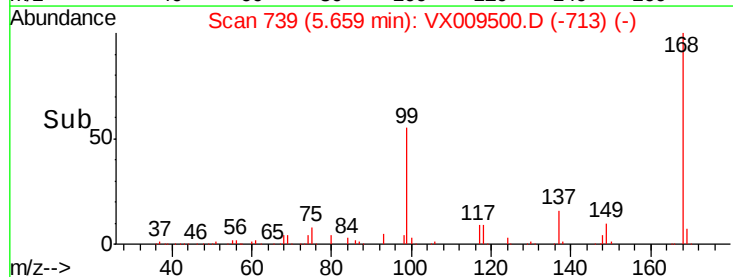
77 0.0 24.8 37.2#

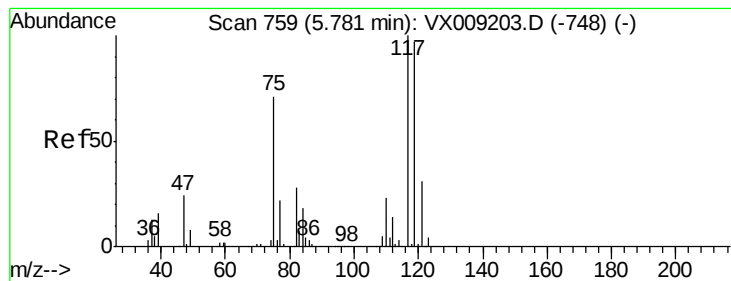


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.692 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

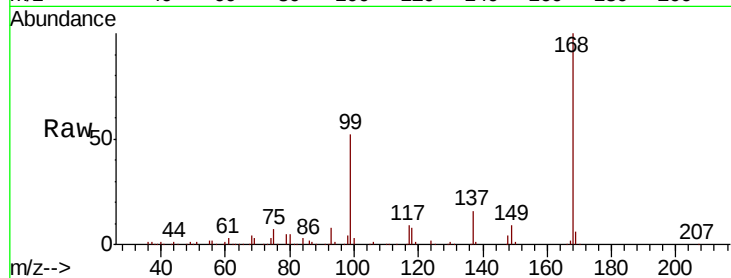
Tot Ion:117 Resp: 15959

Ion Ratio Lower Upper

117 100

119 5.7 77.5 116.3#

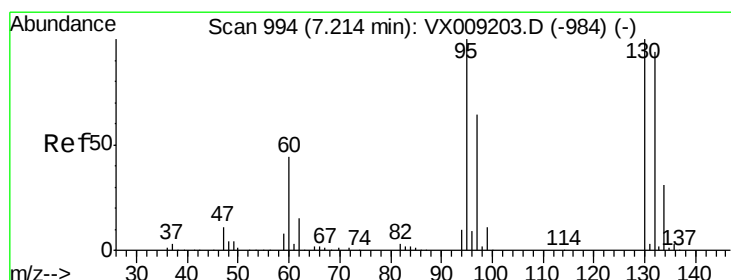
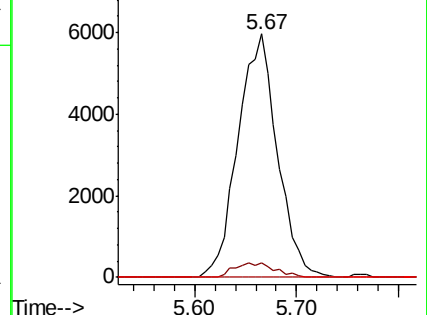
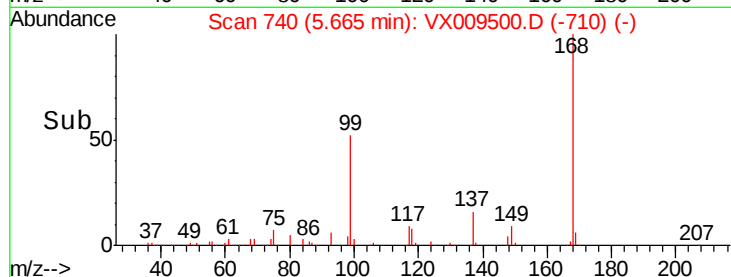
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.222 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009500.D

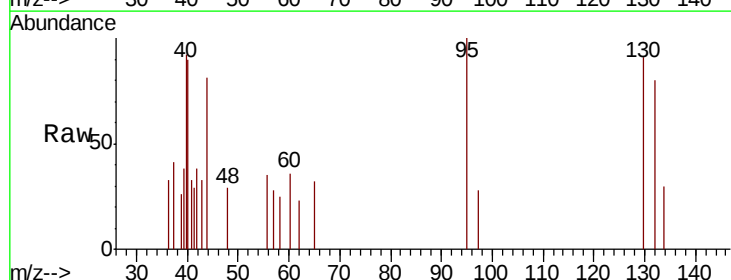
Acq: 10 May 2019 22:47

Tgt Ion:130 Resp: 436

Ion Ratio Lower Upper

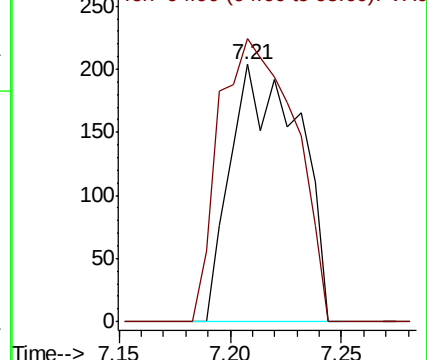
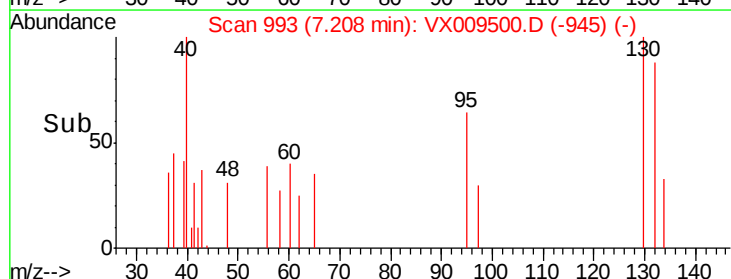
130 100

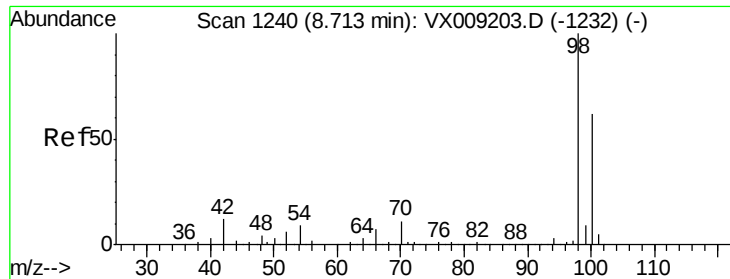
95 109.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.731 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

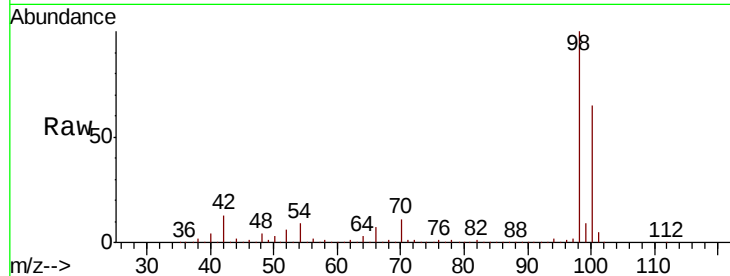
OUTFALL001-WK-2

Tot Ion: 98 Resp: 349304

Ion Ratio Lower Upper

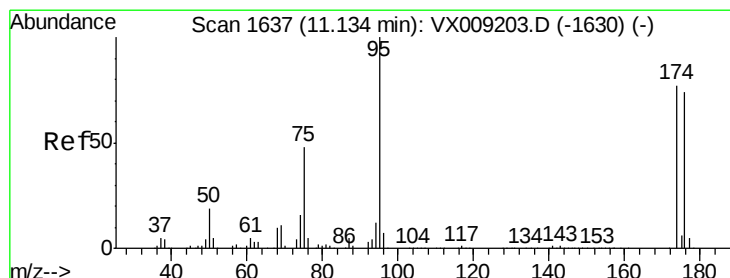
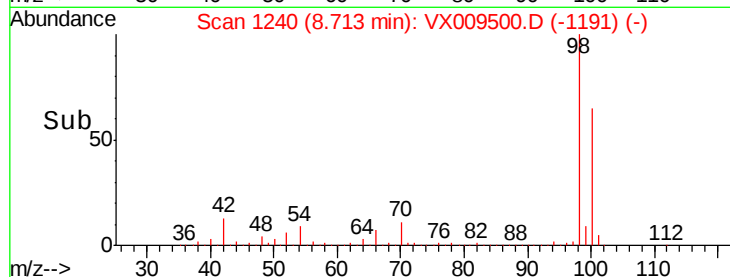
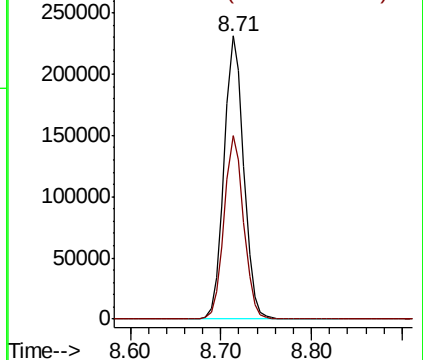
98 100

100 64.5 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: 41.441 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

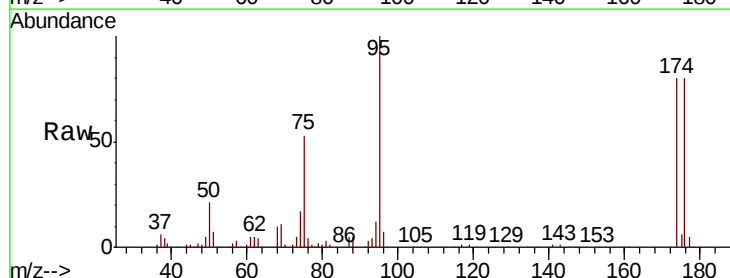
Tgt Ion: 95 Resp: 107935

Ion Ratio Lower Upper

95 100

174 83.3 0.0 161.6

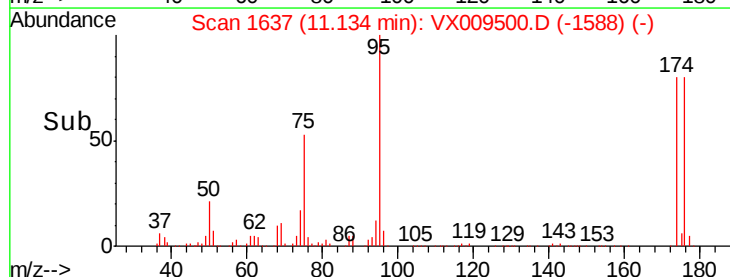
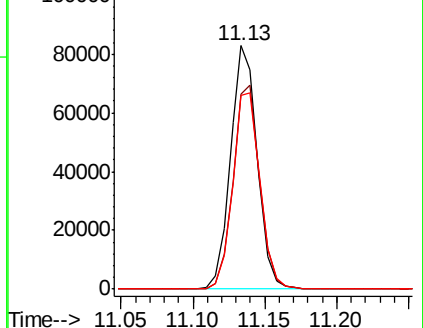
176 81.9 0.0 159.2

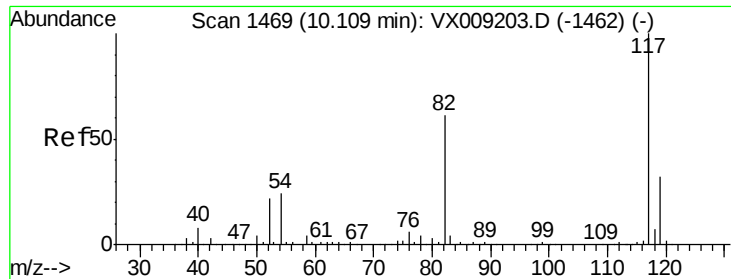


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

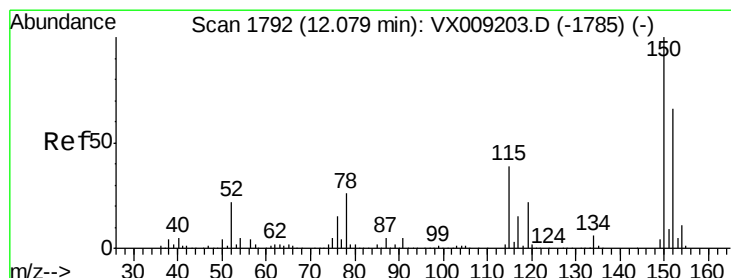
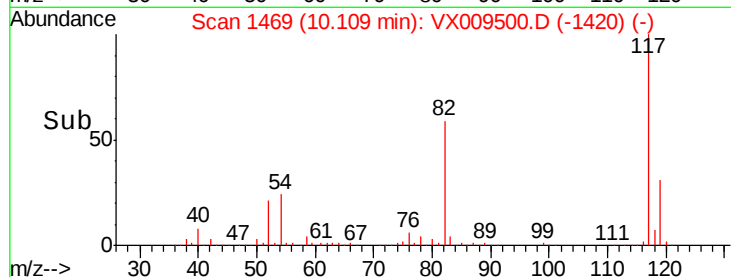
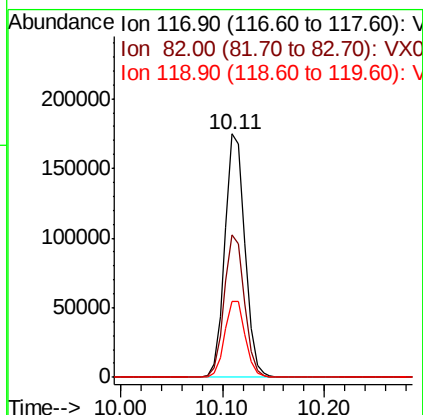
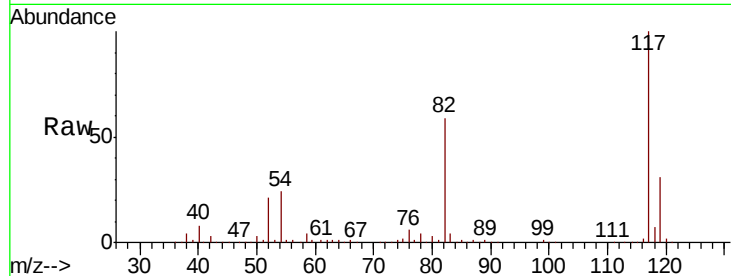




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

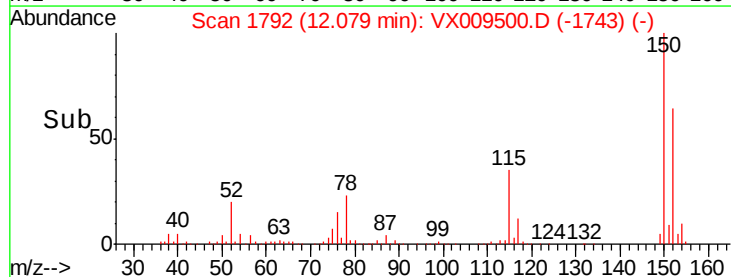
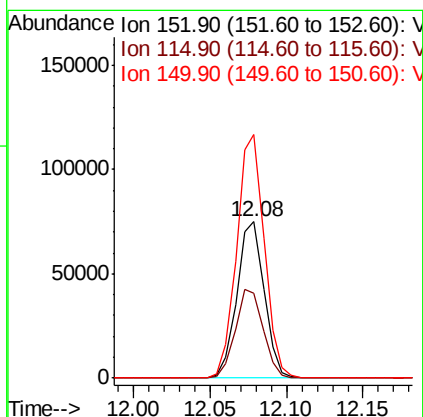
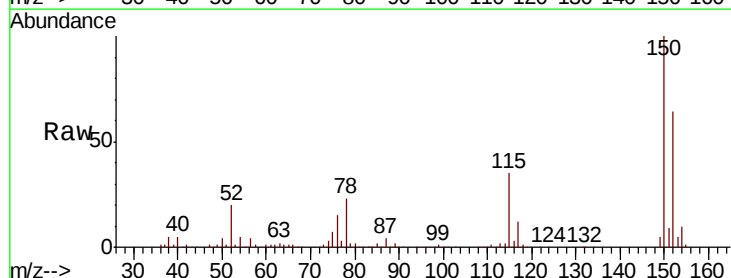
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-2

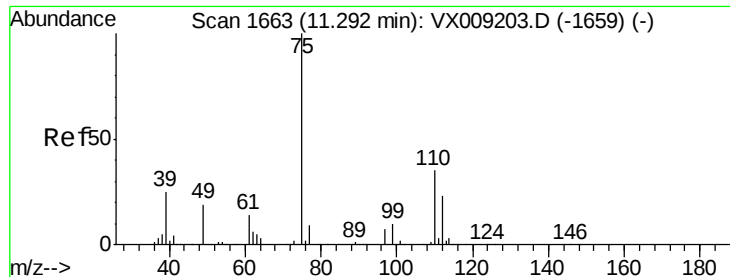
Tot Ion:117 Resp: 238807
Ion Ratio Lower Upper
117 100
82 58.7 48.8 73.2
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009500.D
Acq: 10 May 2019 22:47

Tgt Ion:152 Resp: 93039
Ion Ratio Lower Upper
152 100
115 57.9 41.2 123.6
150 156.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 25.693 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

Instrument :

MSVOA_X

ClientSampleId :

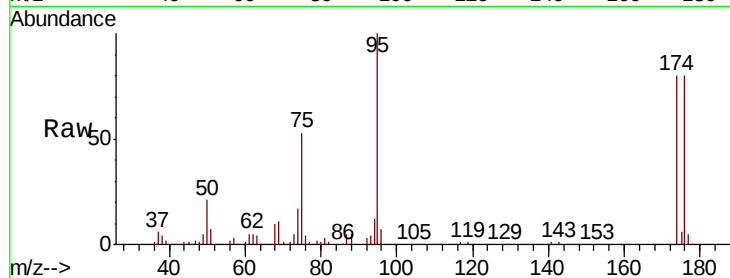
OUTFALL001-WK-2

Tot Ion: 75 Resp: 55450

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

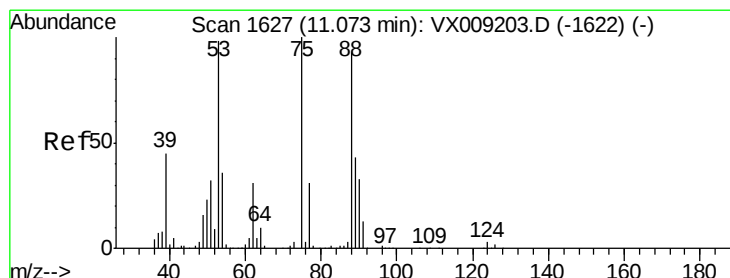
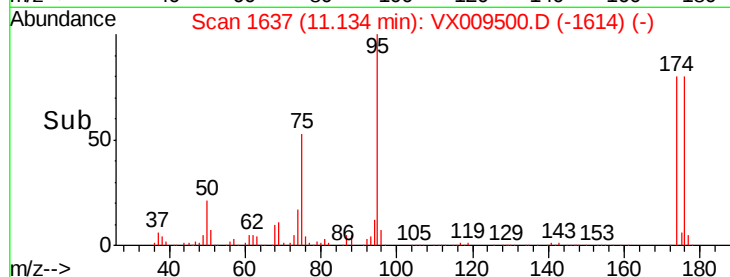
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 65.739 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009500.D

Acq: 10 May 2019 22:47

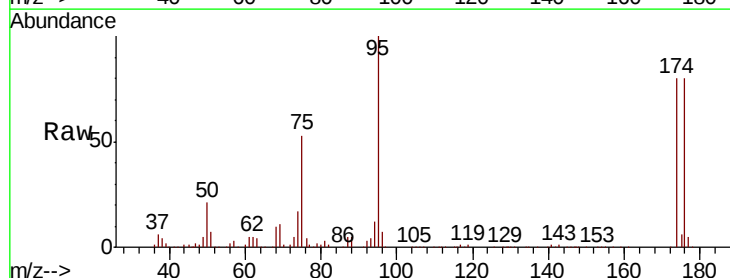
Tgt Ion: 75 Resp: 55450

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

