

Data File : VU029542.D
Acq On : 18 Feb 2019 20:06
Operator : JC/SP
Sample : K1489-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG3

Quant Time: Feb 19 00:25:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	204150	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	236643	16.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	332.20%#
7) Chloroethane-d5	1.68	69	54260	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.28	63	155514	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	4.23	46	225913	76.27	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	152.54%#
24) Chloroform-d	4.65	84	111453	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.31	65	61320	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.34	84	235411	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	72636	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.56	98	224758	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	28138	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.31	63	165493	55.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	64329	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	98535	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Qvalue
3) Chloromethane	1.30	50	3765	0.215 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5138	0.279 ug/L #	79
12) 1,1-Dichloroethene	2.29	96	119562	6.852 ug/L	86
13) Acetone	2.32	43	5890	2.189 ug/L	92
14) Carbon disulfide	2.49	76	200769	3.492 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	13174	0.302 ug/L #	81
18) trans-1,2-Dichloroethene	2.98	96	1049601	56.412 ug/L	99
19) 1,1-Dichloroethane	3.44	63	2024	0.072 ug/L #	84
30) Cyclohexane	4.99	56	3344	0.138 ug/L #	80
34) Trichloroethene	6.18	95	52731	3.121 ug/L	98
37) 1,2-Dichloropropane	6.33	63	8006	0.532 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2083	0.088 ug/L	90
42) Toluene	7.64	91	9977	0.148 ug/L	98
47) Tetrachloroethene	8.22	164	53387	3.450 ug/L	95
48) 2-Hexanone	8.37	43	1792	0.283 ug/L #	95
49) Dibromochloromethane	8.22	129	46908	3.019 ug/L #	11
52) Ethylbenzene	9.25	91	2943	0.039 ug/L #	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

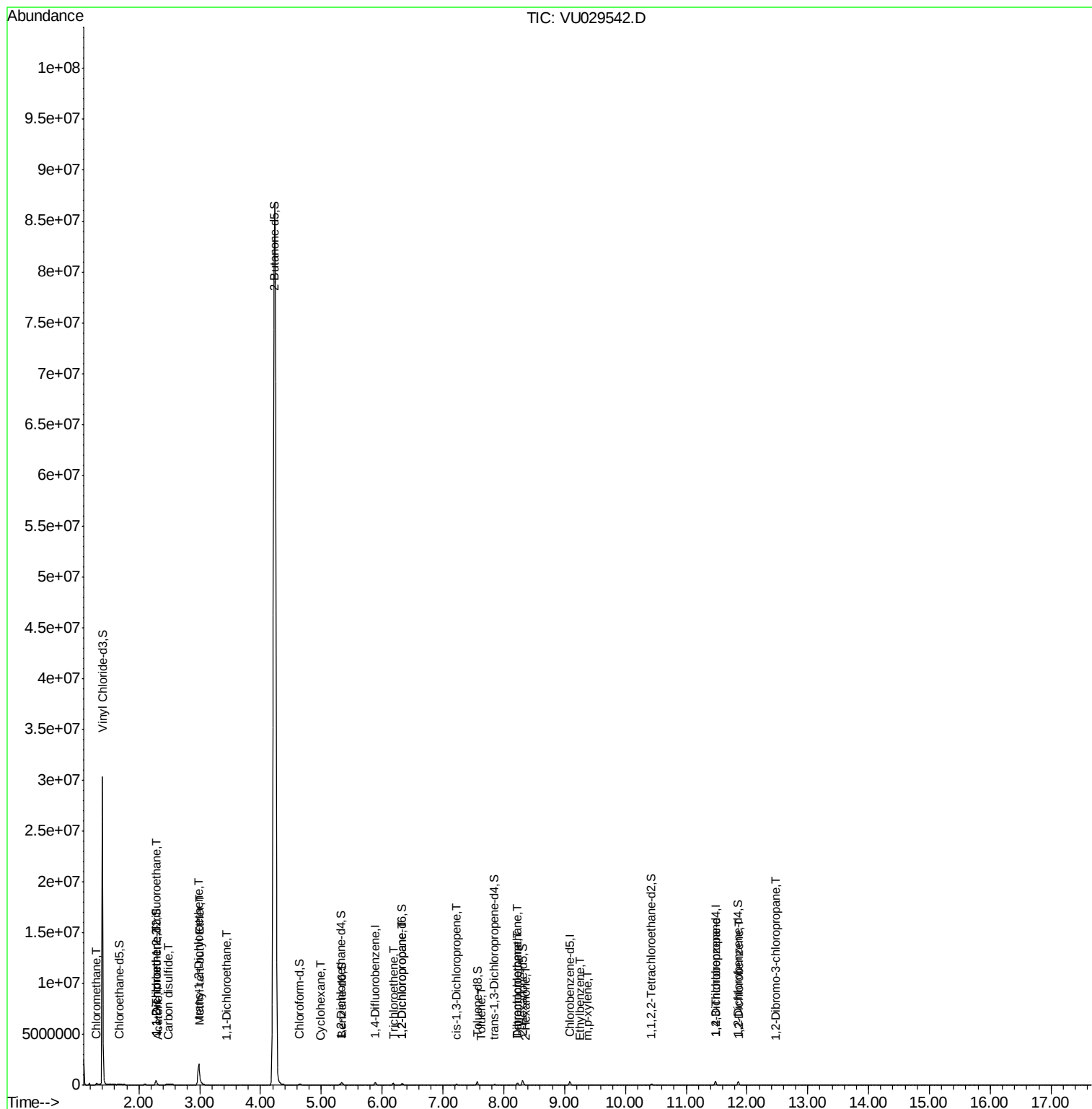
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.38	106	2340	0.077	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	11110	1.151	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	2210	0.061	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	591	0.259	ug/L #	1

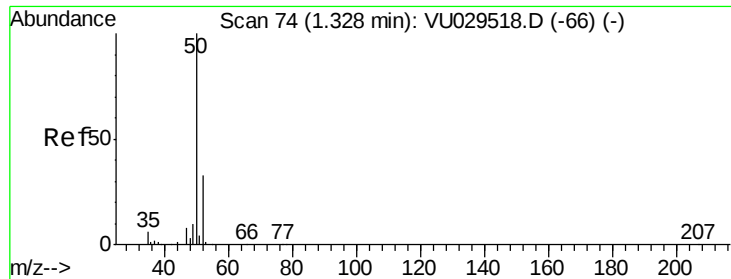
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.215 ug/L

RT: 1.30 min Scan# 66

Delta R.T. -0.03 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampled :

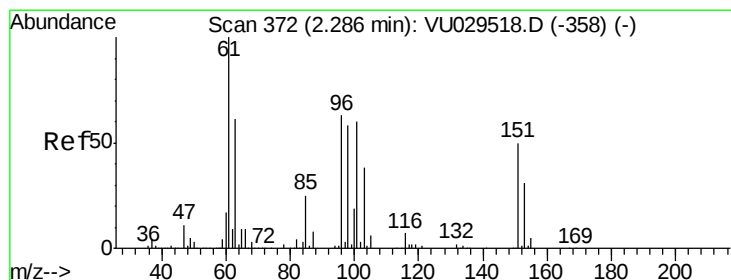
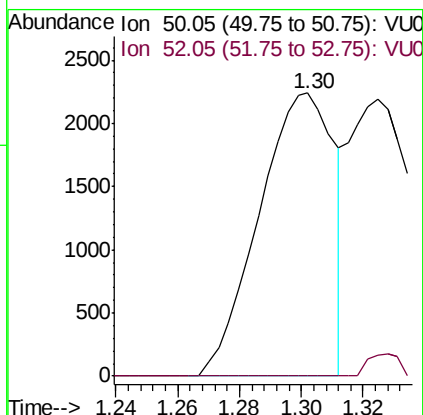
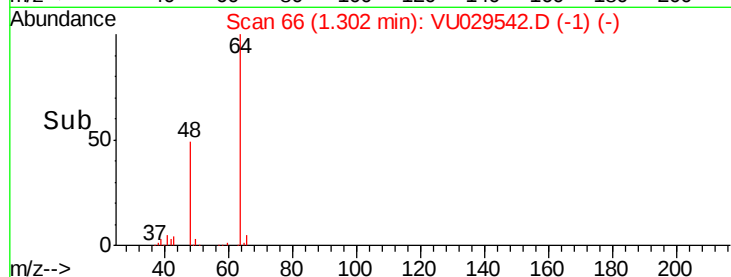
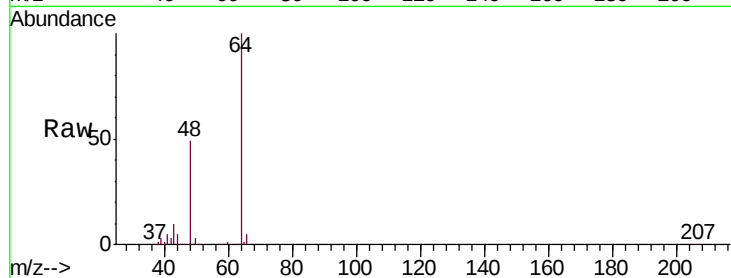
ESXG3

Tgt Ion: 50 Resp: 3765

Ion Ratio Lower Upper

50 100

52 0.0 23.1 42.9#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.279 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

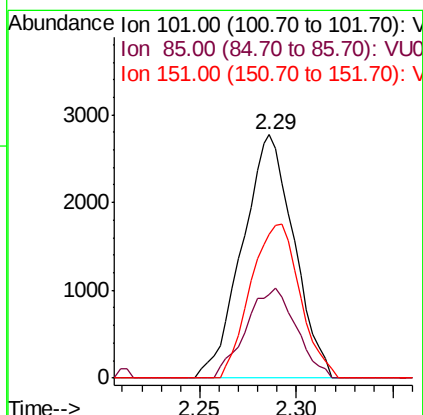
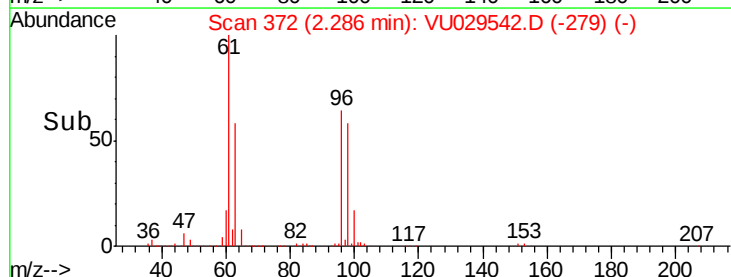
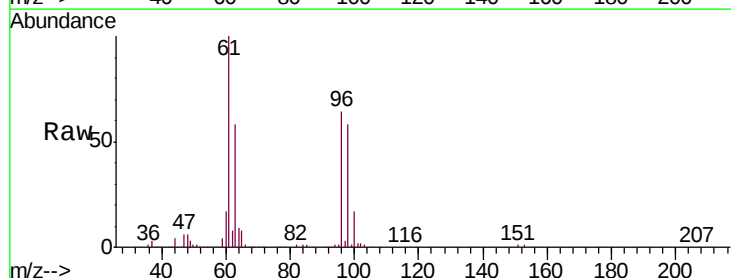
Tgt Ion: 101 Resp: 5138

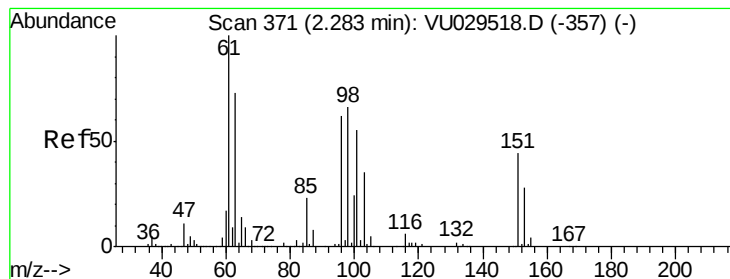
Ion Ratio Lower Upper

101 100

85 36.0 35.1 52.7

151 60.8 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 6.852 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

ESXG3

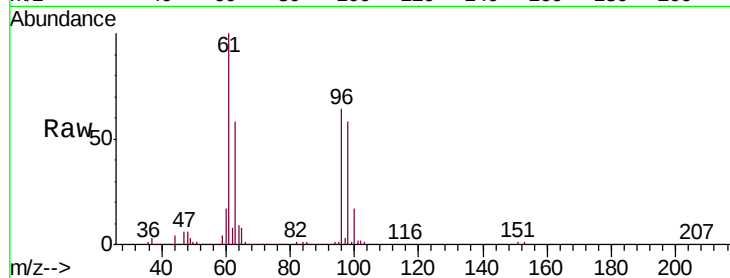
Tgt Ion: 96 Resp: 119562

Ion Ratio Lower Upper

96 100

61 156.1 115.1 213.7

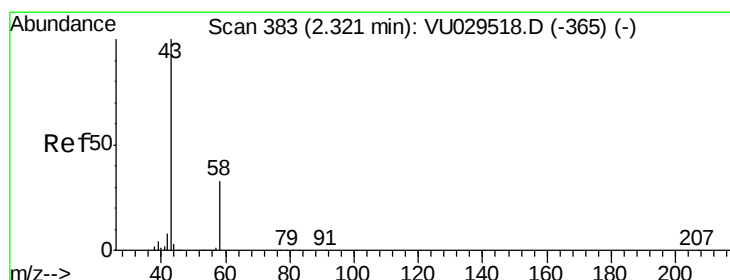
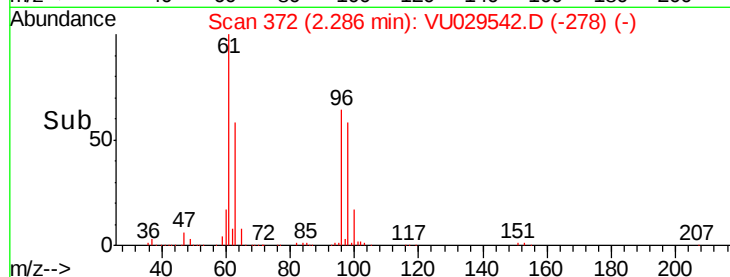
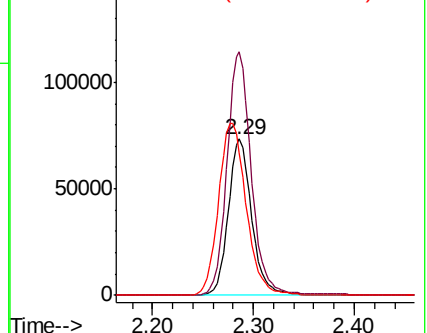
63 91.2 83.5 155.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.189 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029542.D

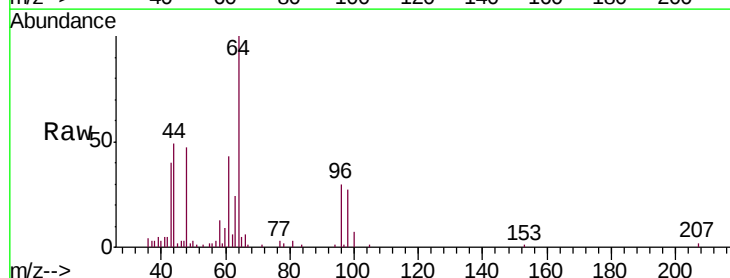
Acq: 18 Feb 2019 20:06

Tgt Ion: 43 Resp: 5890

Ion Ratio Lower Upper

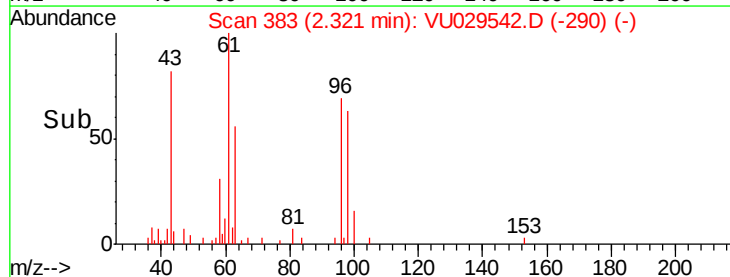
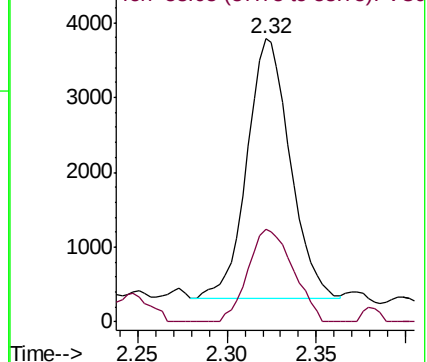
43 100

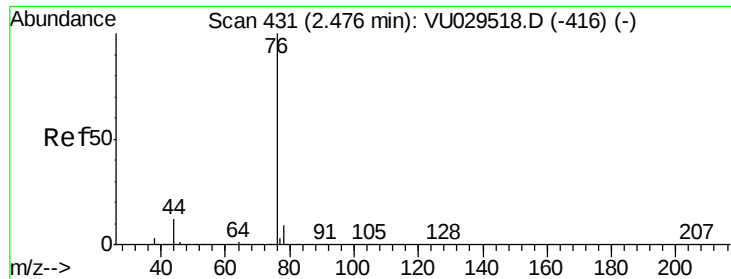
58 37.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 3.492 ug/L

RT: 2.49 min Scan# 434

Delta R.T. 0.01 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampled :

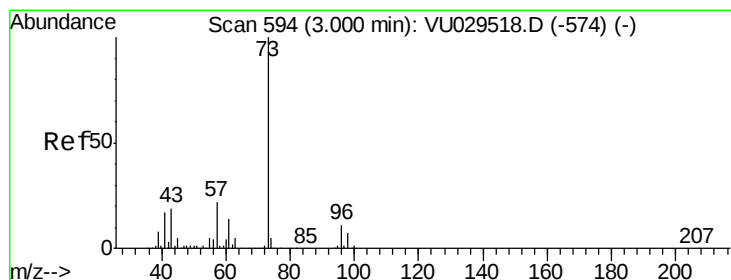
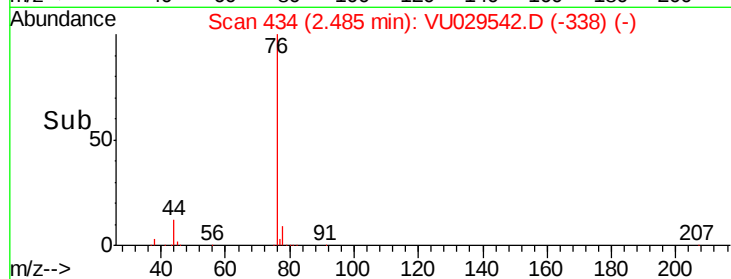
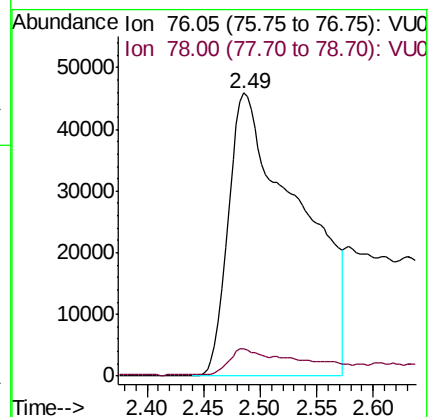
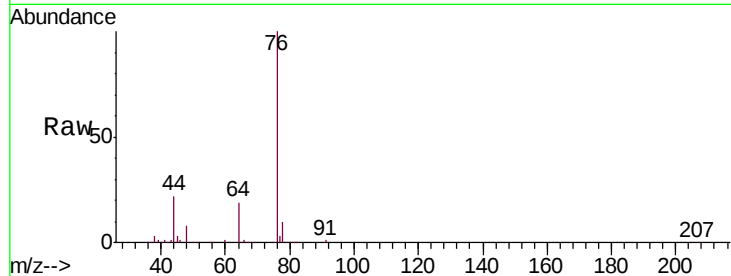
ESXG3

Tgt Ion: 76 Resp: 200769

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



#17

Methyl tert-butyl Ether

Concen: 0.302 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

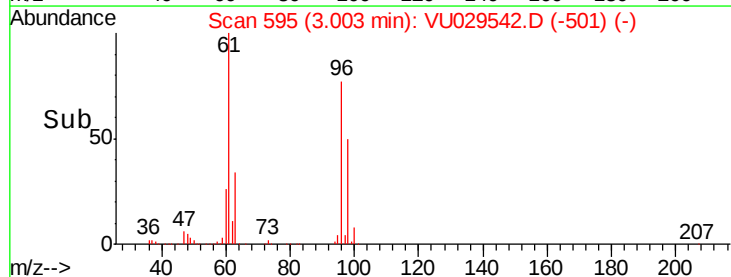
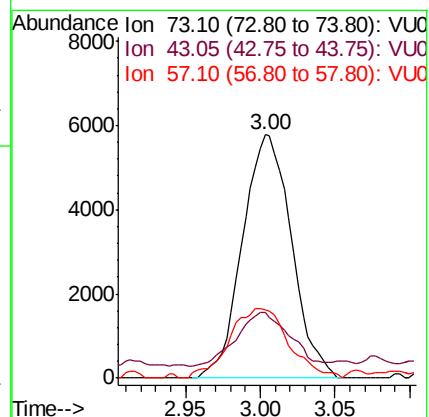
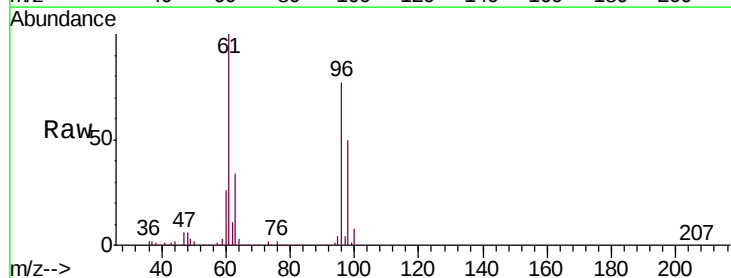
Tgt Ion: 73 Resp: 13174

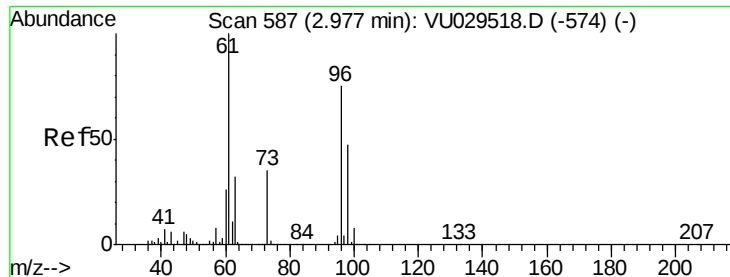
Ion Ratio Lower Upper

73 100

43 23.5 16.0 24.0

57 34.8 16.9 25.3#





#18

trans-1,2-Dichloroethene

Concen: 56.412 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

ESXG3

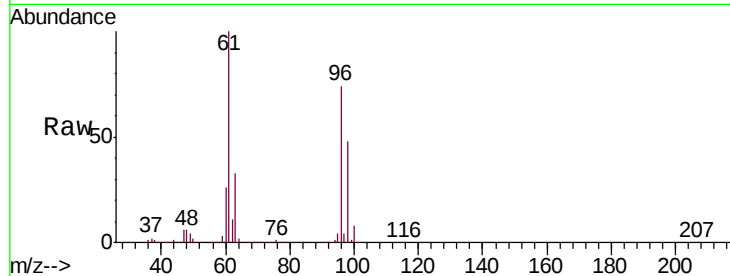
Tgt Ion: 96 Resp: 1049601

Ion Ratio Lower Upper

96 100

61 134.5 95.4 177.2

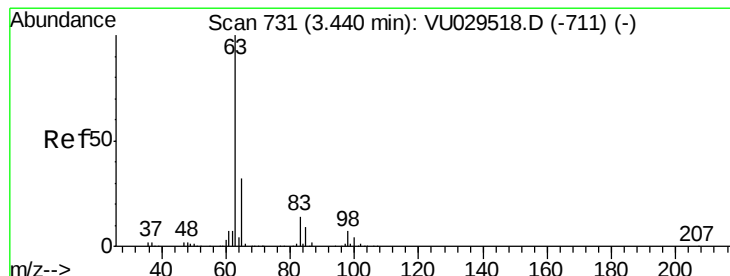
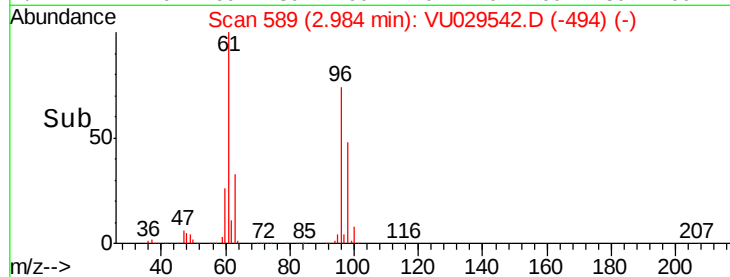
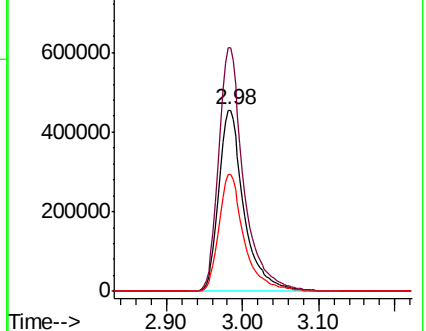
98 64.8 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.072 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

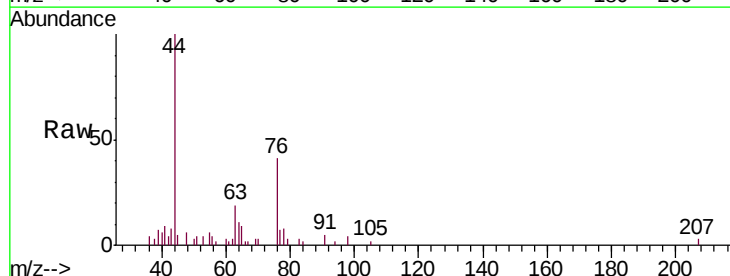
Tgt Ion: 63 Resp: 2024

Ion Ratio Lower Upper

63 100

65 45.0 23.5 43.7#

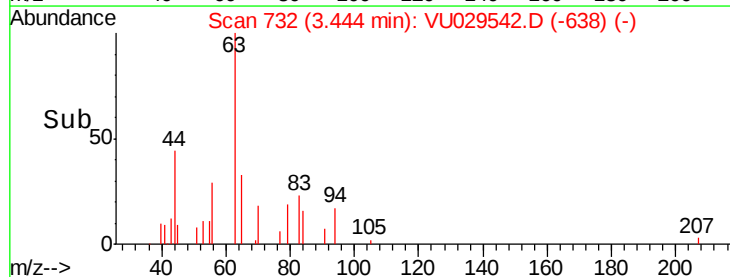
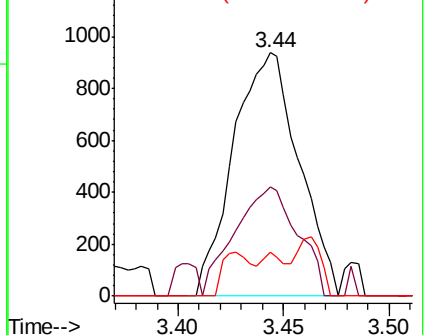
83 17.9 10.3 19.1

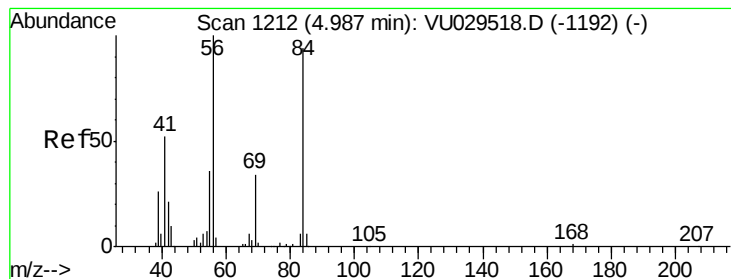


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#30

Cyclohexane

Concen: 0.138 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.01 min

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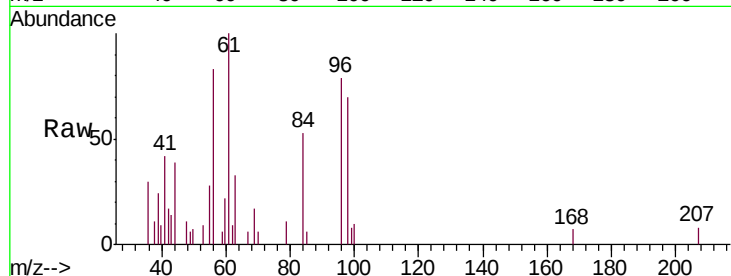
Tgt Ion: 56 Resp: 3344

Ion Ratio Lower Upper

56 100

69 15.8 25.8 38.6#

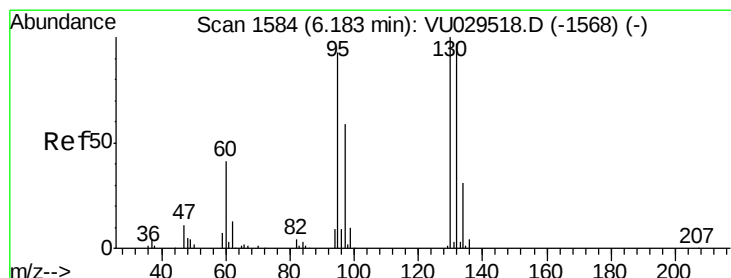
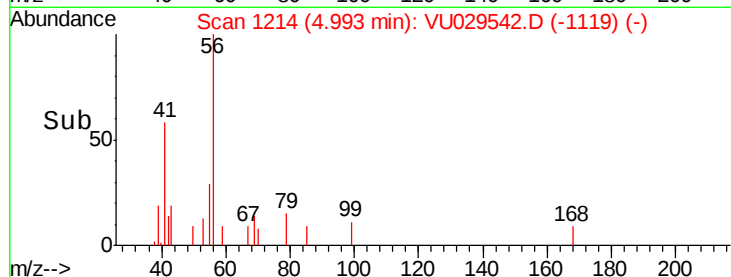
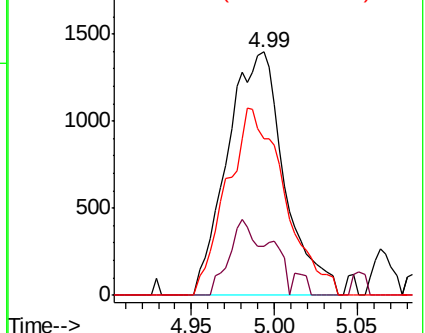
84 78.1 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU029518.D (-1192) (-)

Ion 69.15 (68.85 to 69.85): VU029518.D (-1192) (-)

Ion 84.15 (83.85 to 84.85): VU029518.D (-1192) (-)



#34

Trichloroethene

Concen: 3.121 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Tgt Ion: 95 Resp: 52731

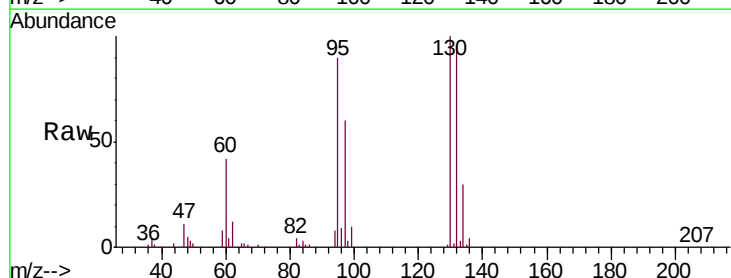
Ion Ratio Lower Upper

95 100

97 67.0 46.3 86.1

132 106.9 72.9 135.3

130 111.6 79.2 147.0

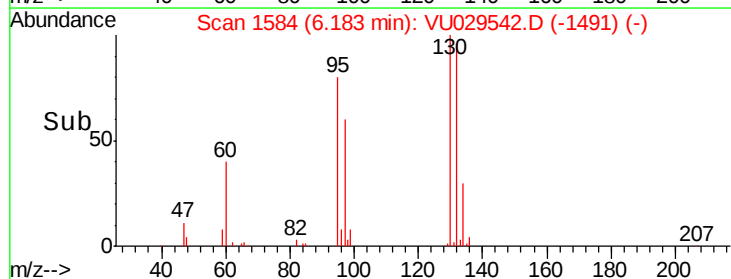
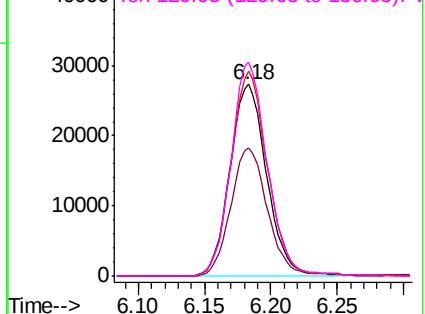


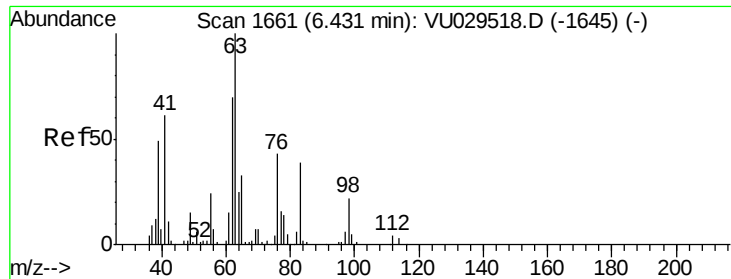
Abundance Ion 95.00 (94.70 to 95.70): VU029518.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU029518.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU029518.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU029518.D (-1568) (-)





#37

1,2-Dichloropropane

Concen: 0.532 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

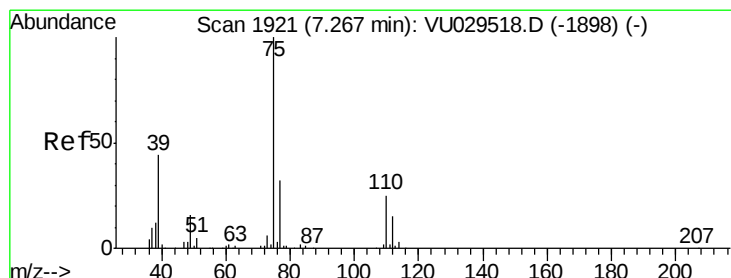
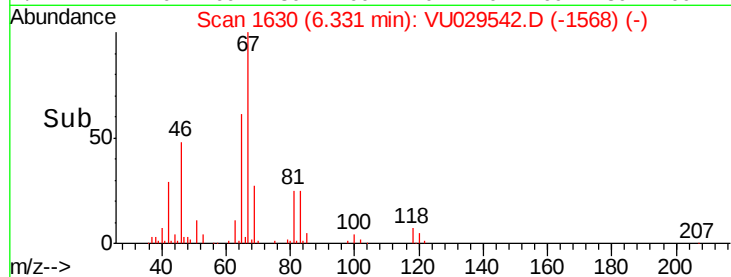
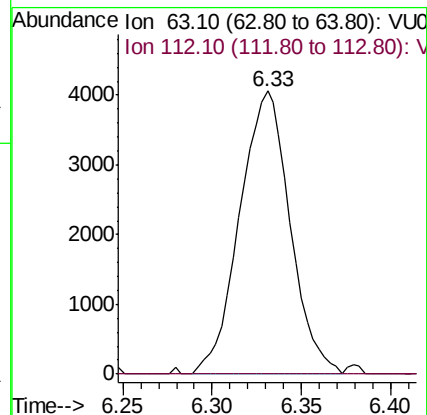
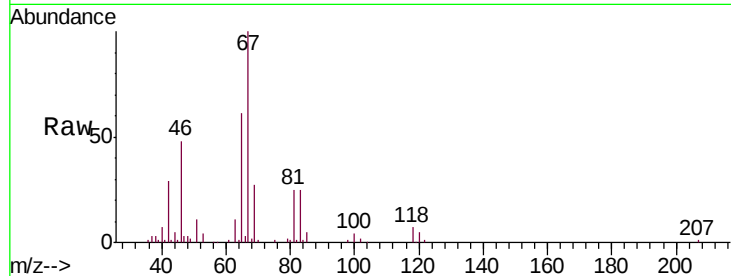
ESXG3

Tgt Ion: 63 Resp: 8006

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029542.D

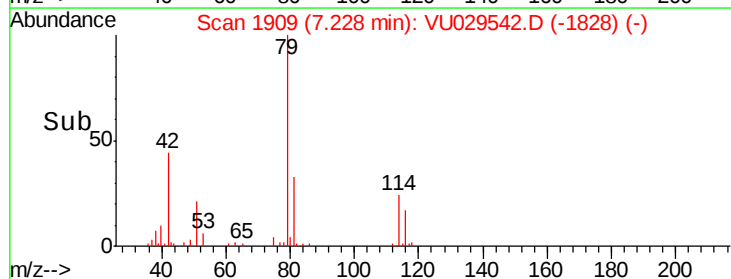
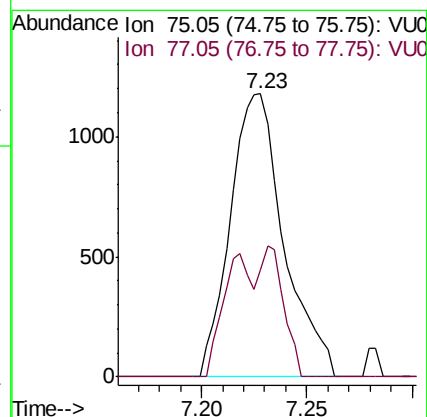
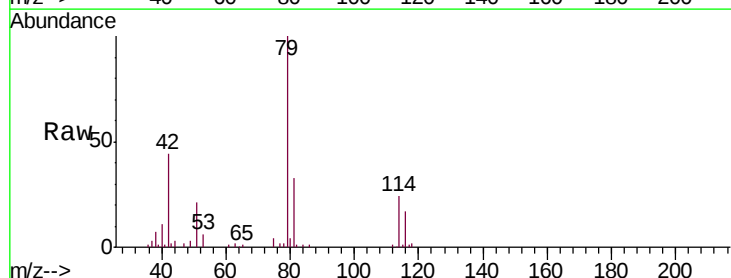
Acq: 18 Feb 2019 20:06

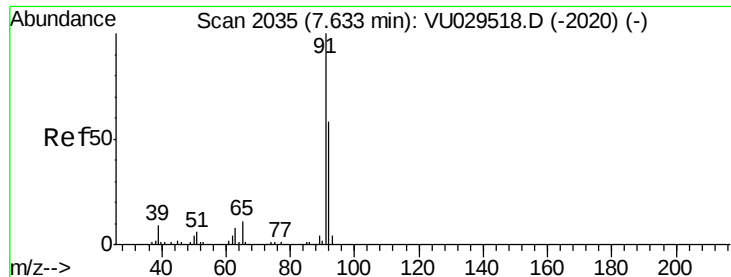
Tgt Ion: 75 Resp: 2083

Ion Ratio Lower Upper

75 100

77 37.5 22.3 41.3





#42

Toluene

Concen: 0.148 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

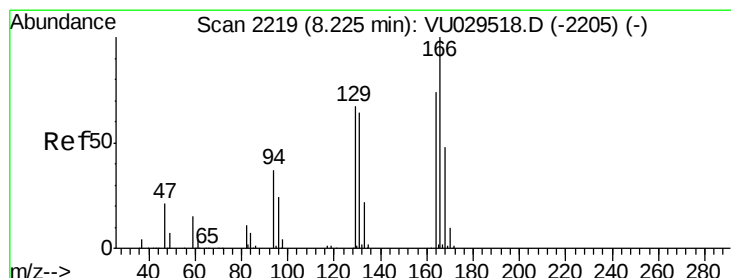
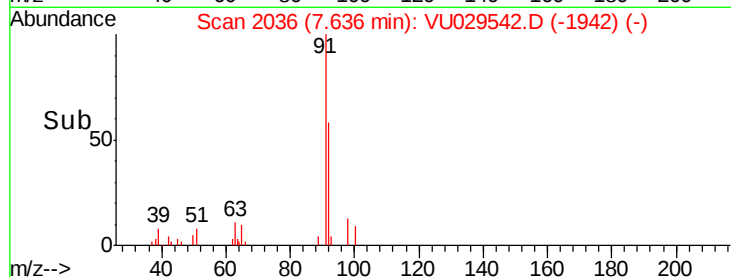
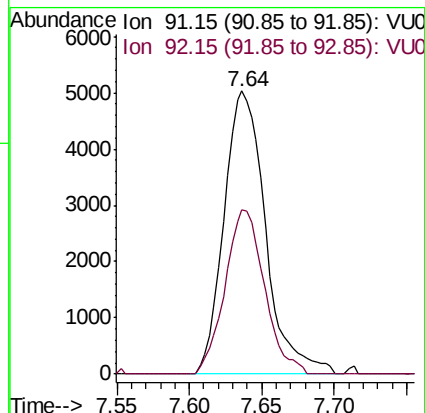
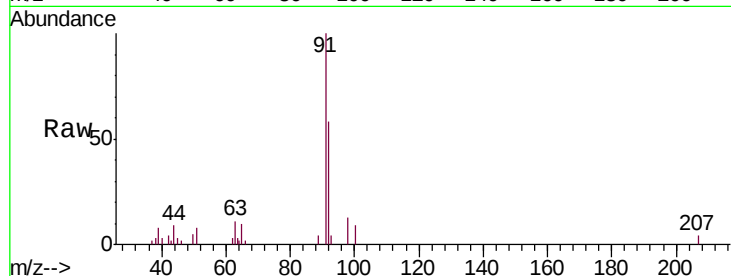
ESXG3

Tgt Ion: 91 Resp: 9977

Ion Ratio Lower Upper

91 100

92 58.0 39.8 73.8



#47

Tetrachloroethene

Concen: 3.450 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Tgt Ion: 164 Resp: 53387

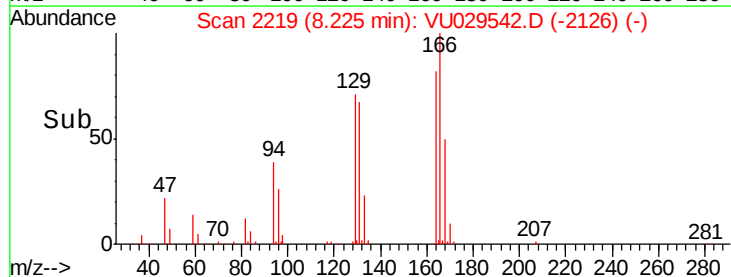
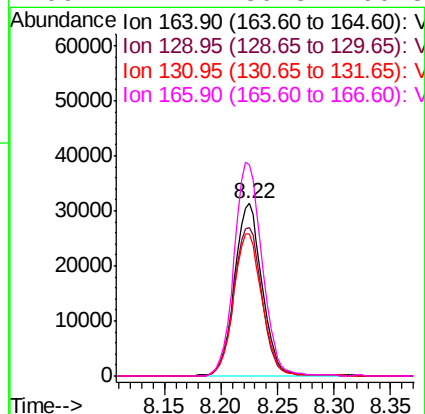
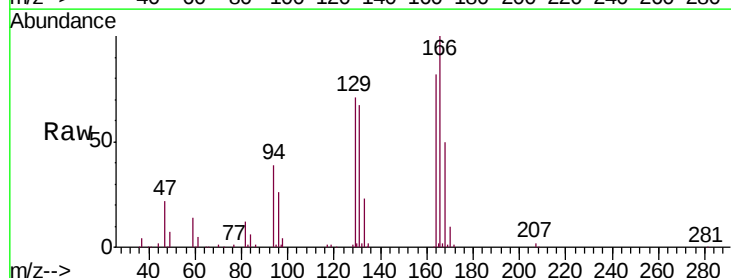
Ion Ratio Lower Upper

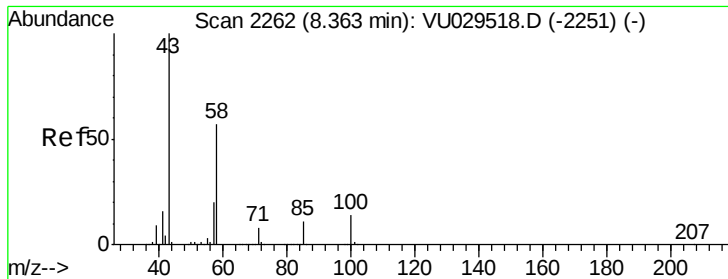
164 100

129 86.3 62.9 116.9

131 82.2 62.1 115.3

166 122.4 89.8 166.8

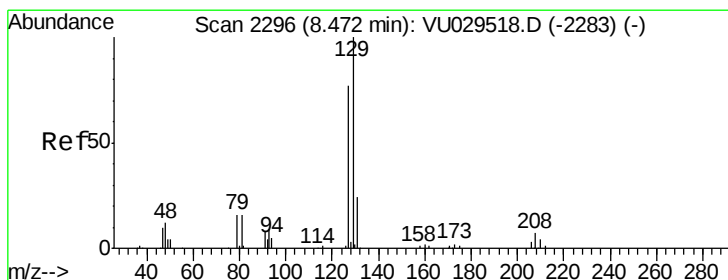
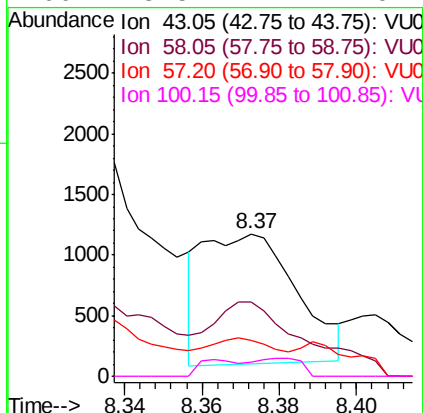
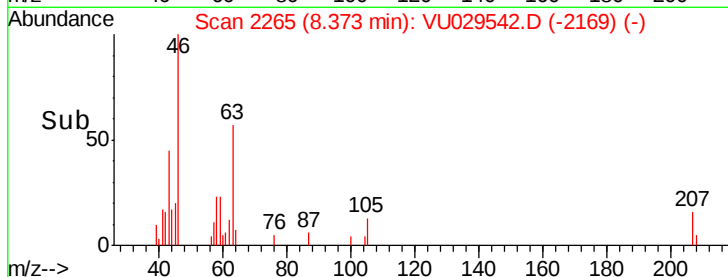
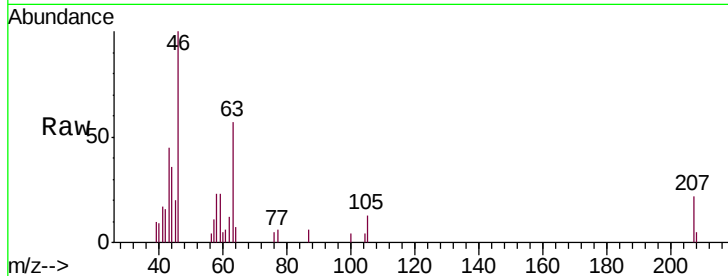




#48
2-Hexanone
Concen: 0.283 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU029542.D
Acq: 18 Feb 2019 20:06

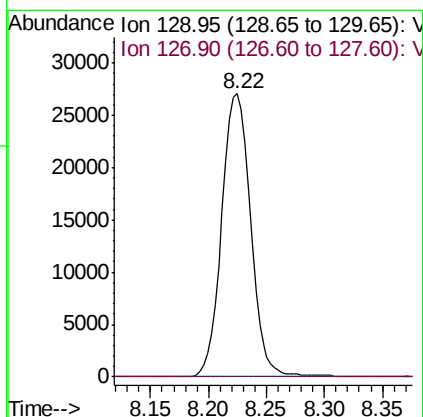
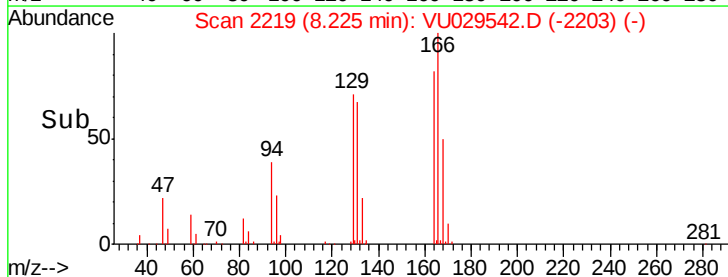
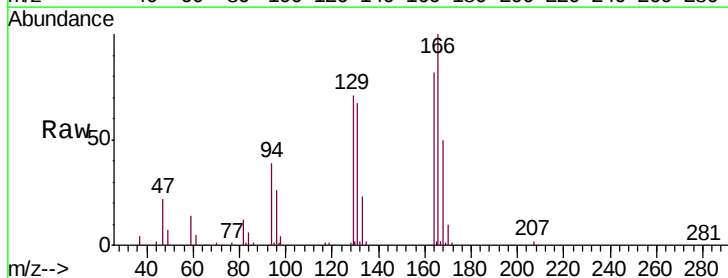
Instrument :
MSVOA_U
ClientSampleId :
ESXG3

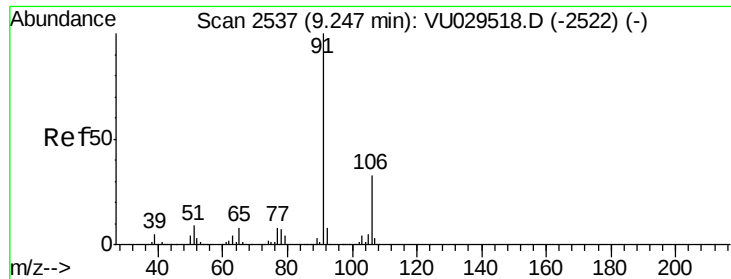
Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
58 58.5 45.7 68.5
57 22.3 16.4 24.6
100 5.5 11.1 16.7#



#49
Dibromochloromethane
Concen: 3.019 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029542.D
Acq: 18 Feb 2019 20:06

Tgt Ion: 129 Resp: 46908
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#52

Ethylbenzene

Concen: 0.039 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

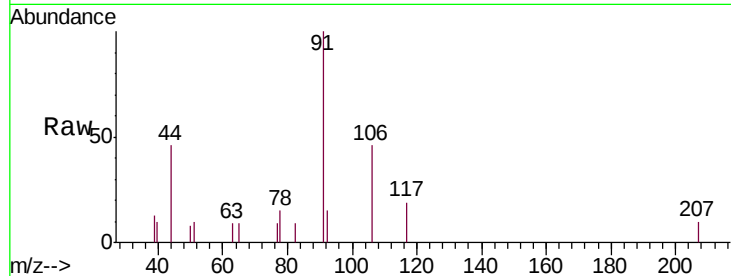
ESXG3

Tgt Ion: 91 Resp: 2943

Ion Ratio Lower Upper

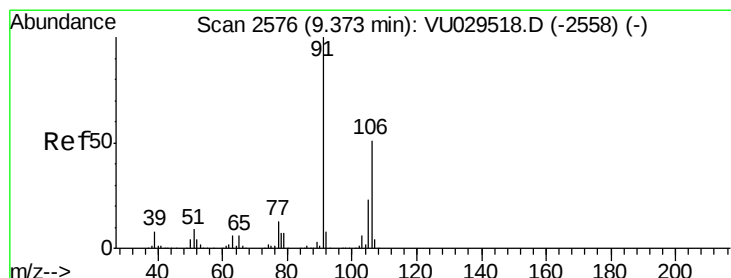
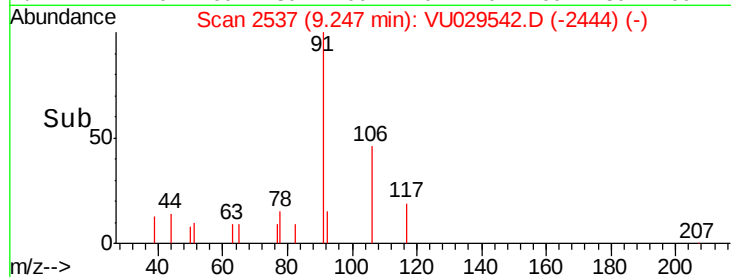
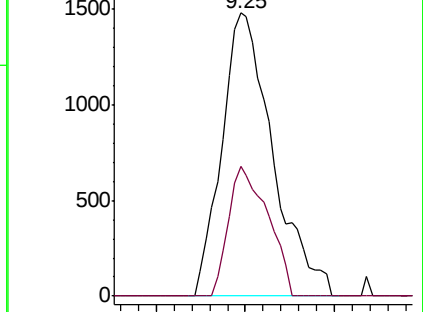
91 100

106 45.9 22.8 42.4#



Abundance Ion 91.15 (90.85 to 91.85): VU029518.D (-2522) (-)

Ion 106.15 (105.85 to 106.85): VU029518.D (-2522) (-)



#53

m,p-xylene

Concen: 0.077 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029542.D

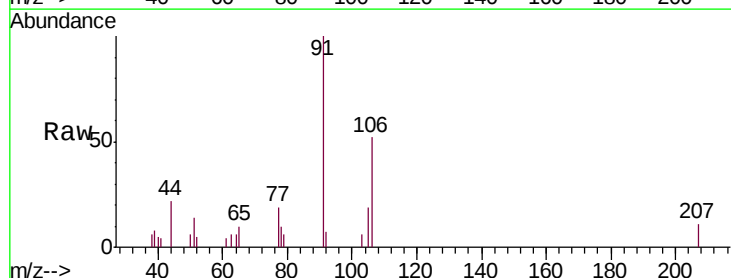
Acq: 18 Feb 2019 20:06

Tgt Ion: 106 Resp: 2340

Ion Ratio Lower Upper

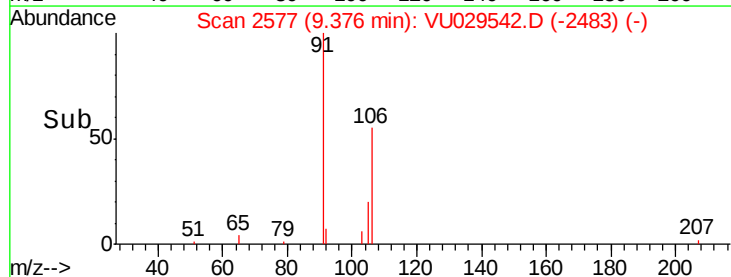
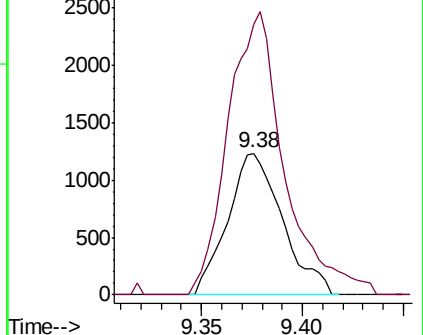
106 100

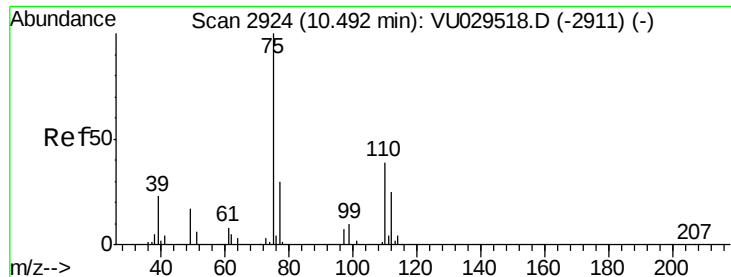
91 190.8 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): VU029518.D (-2558) (-)

Ion 91.15 (90.85 to 91.85): VU029518.D (-2558) (-)

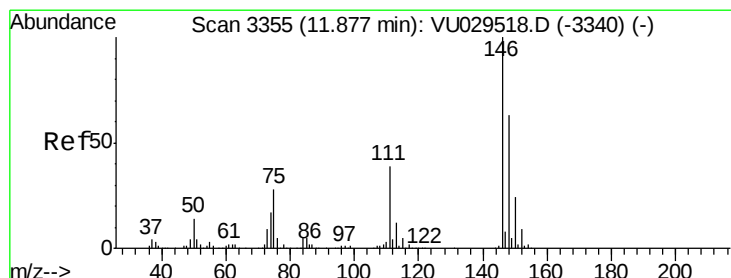
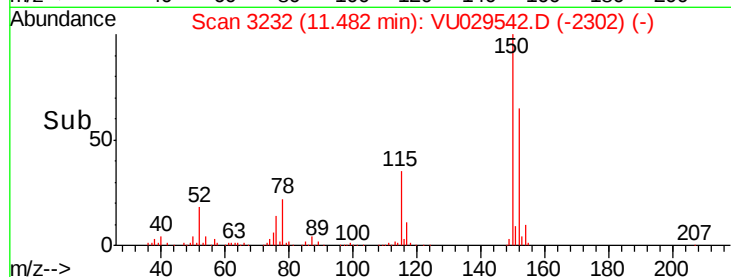
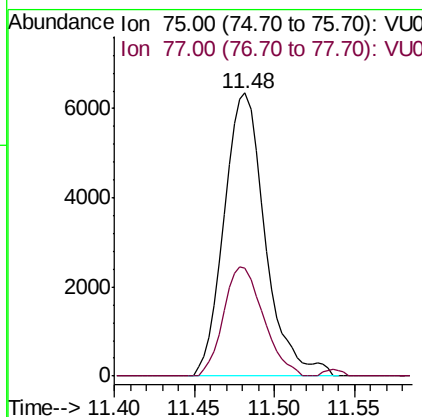
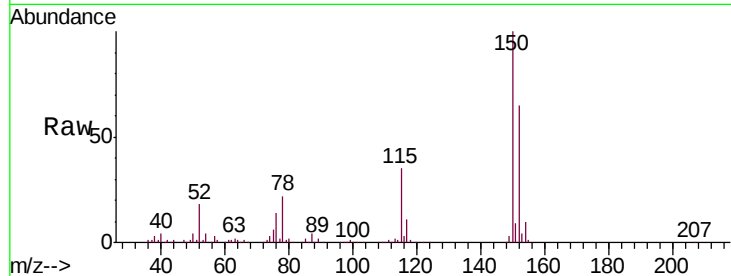




#59
 1,2,3-Trichloropropane
 Concen: 1.151 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029542.D
 Acq: 18 Feb 2019 20:06

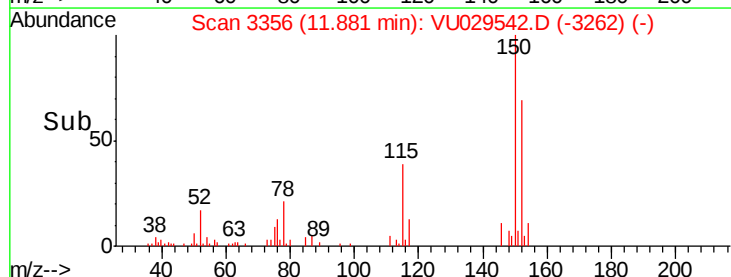
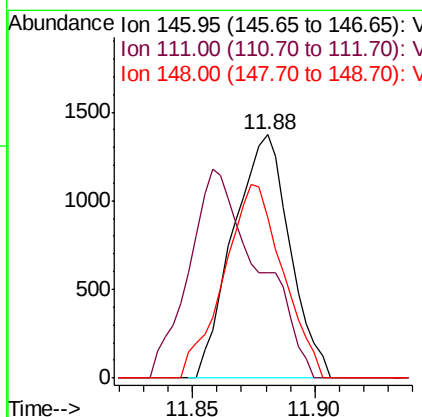
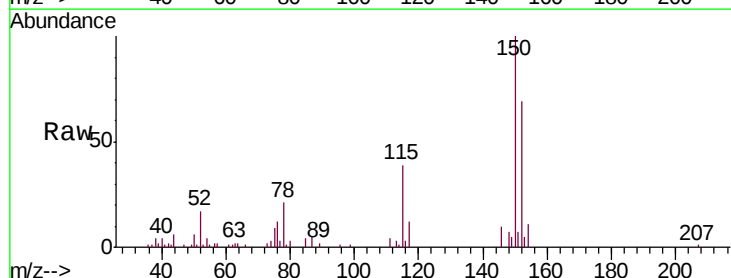
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG3

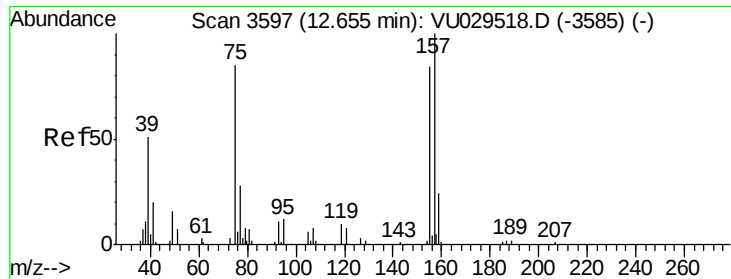
Tgt Ion: 75 Resp: 11110
 Ion Ratio Lower Upper
 75 100
 77 37.4 28.2 42.2



#65
 1,2-Dichlorobenzene
 Concen: 0.061 ug/L
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VU029542.D
 Acq: 18 Feb 2019 20:06

Tgt Ion: 146 Resp: 2210
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.9 46.3
 148 66.1 51.0 76.4





#66

1,2-Dibromo-3-chloropropane

Concen: 0.259 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.18 min

Lab File: VU029542.D

Acq: 18 Feb 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

ESXG3

Tgt Ion: 75 Resp: 591

Ion Ratio Lower Upper

75 100

155 0.0 75.3 112.9#

157 0.0 103.0 154.4#

