

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006866.D
 Acq On : 28 Dec 2018 17:27
 Operator : JC/MD
 Sample : J6486-02
 Misc : 6.29g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S72-0054

Quant Time: Dec 28 23:01:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	582563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	862445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	787647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	416168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	289466	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.50	113	241990	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	
50) Toluene-d8	8.71	98	1012000	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.14	95	373131	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

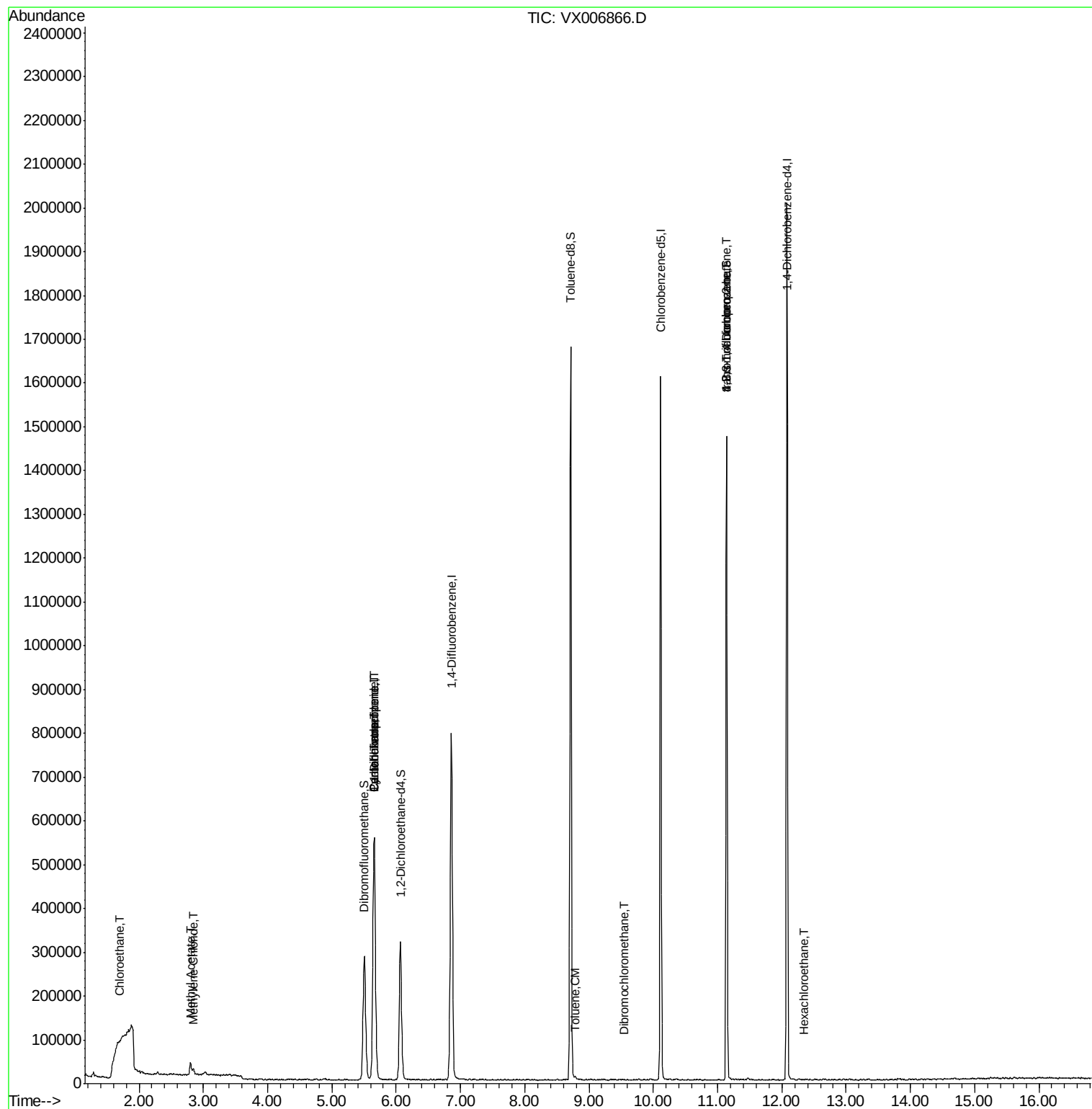
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1731	Below Cal	#	73
6) Chloroethane	1.70	64	1103	0.266	ug/l #	56
18) Methyl Acetate	2.80	43	38208	4.505	ug/l	98
20) Methylene Chloride	2.85	84	6870	1.152	ug/l	97
28) Bromochloromethane	5.01	49	199	Below Cal	#	29
31) Cyclohexane	5.65	56	10064	1.158	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	37048	5.187	ug/l #	50
38) Carbon Tetrachloride	5.65	117	51546	7.425	ug/l #	14
49) 1,4-Dioxane	7.74	88	160	Below Cal	#	34
52) Toluene	8.78	92	3010	0.215	ug/l	94
60) Dibromochloromethane	9.55	129	122	2.344	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	173190	22.393	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	173190	66.612	ug/l #	10
90) Hexachloroethane	12.34	117	38	3.302	ug/l	62

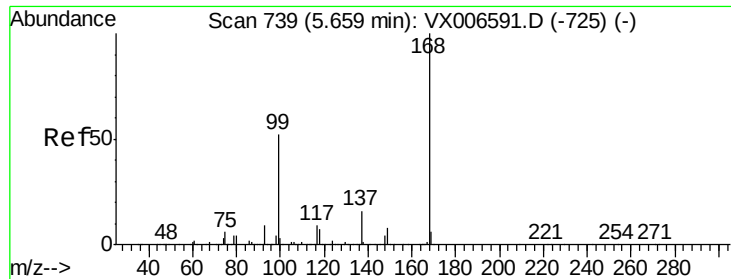
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

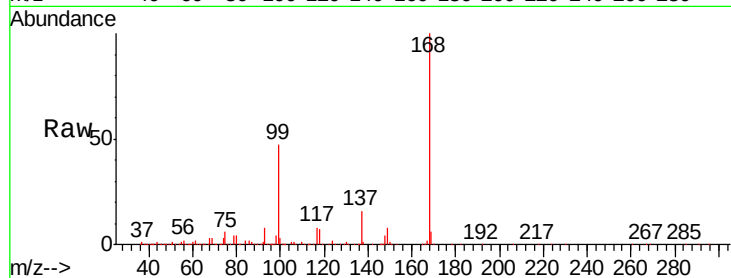
S72-0054

Tgt Ion:168 Resp: 582563

Ion Ratio Lower Upper

168 100

99 47.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

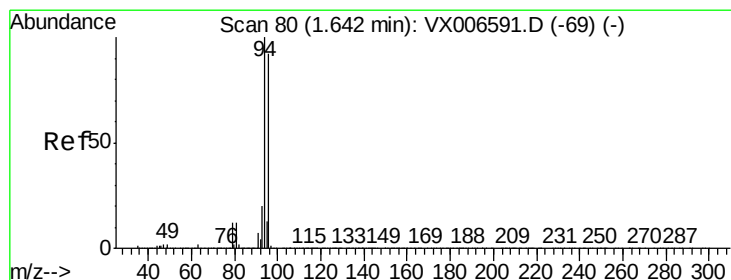
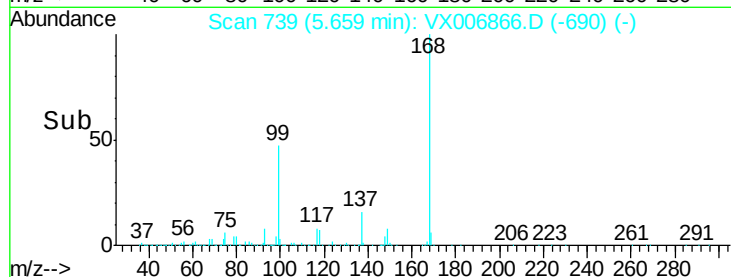
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006866.D

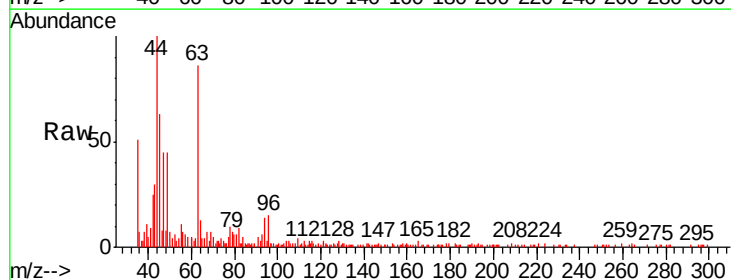
Acq: 28 Dec 2018 17:27

Tgt Ion: 94 Resp: 1731

Ion Ratio Lower Upper

94 100

96 117.9 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

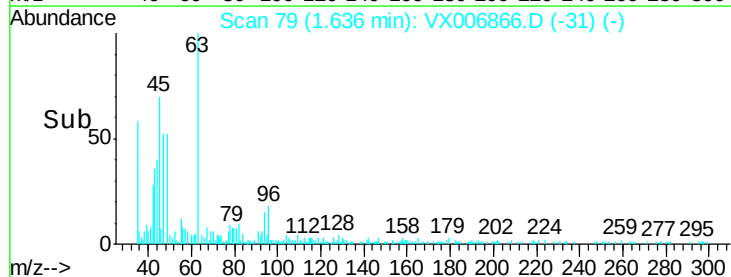
1.64

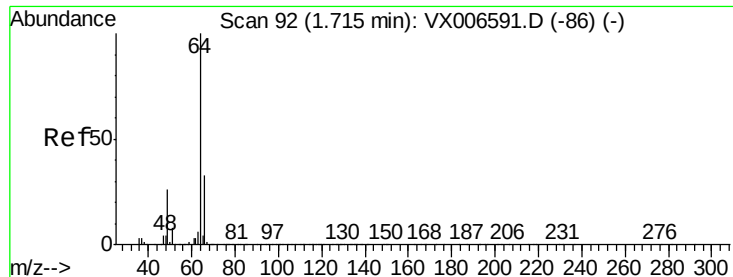
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.266 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

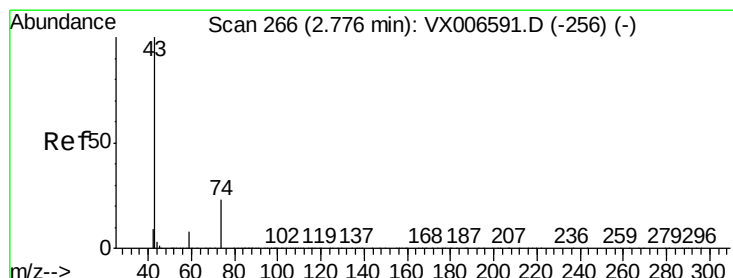
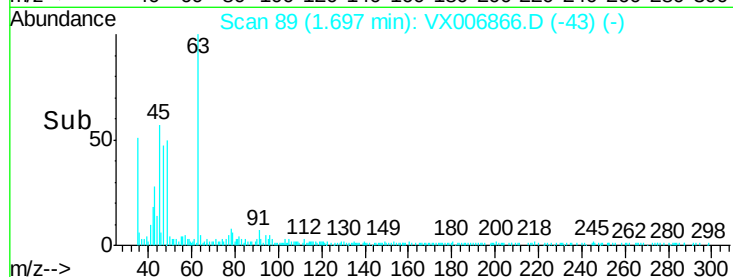
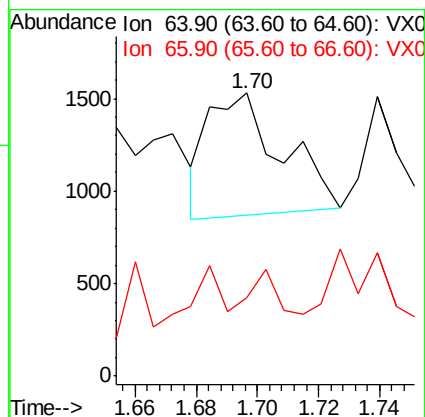
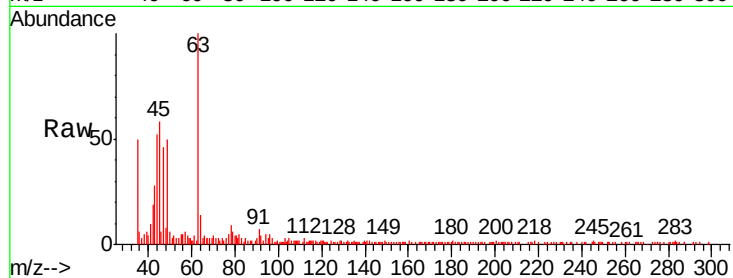
S72-0054

Tgt Ion: 64 Resp: 1103

Ion Ratio Lower Upper

64 100

66 7.9 26.4 39.6#



#18

Methyl Acetate

Concen: 4.505 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX006866.D

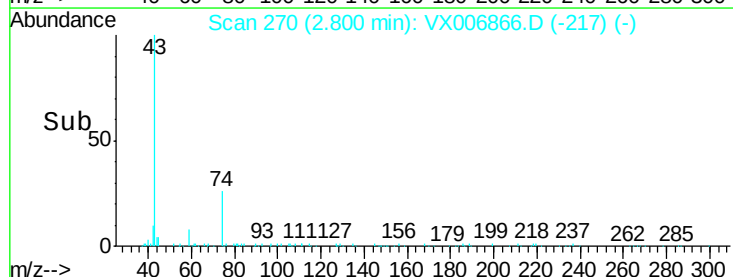
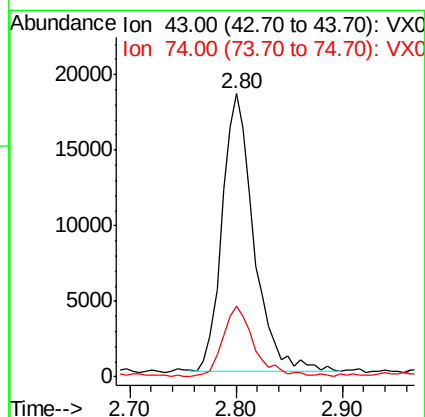
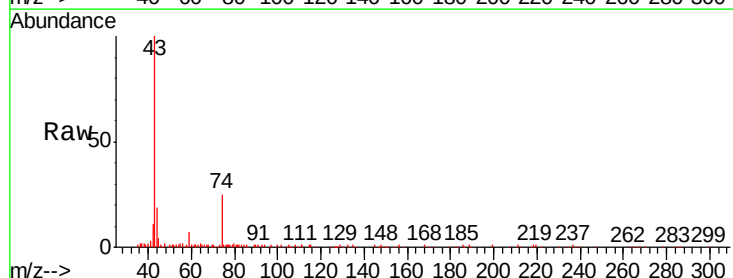
Acq: 28 Dec 2018 17:27

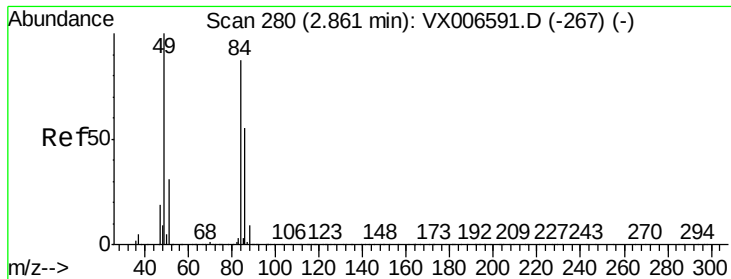
Tgt Ion: 43 Resp: 38208

Ion Ratio Lower Upper

43 100

74 24.4 18.6 28.0

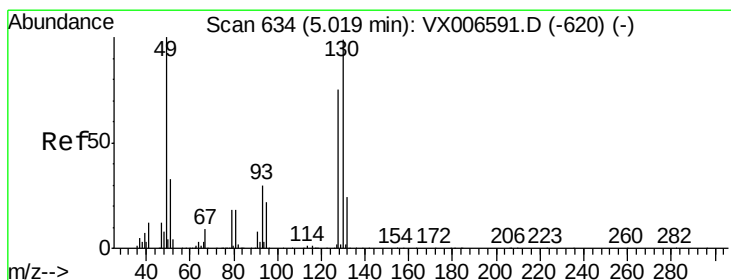
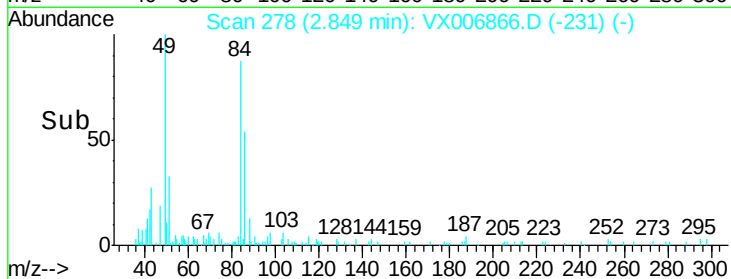
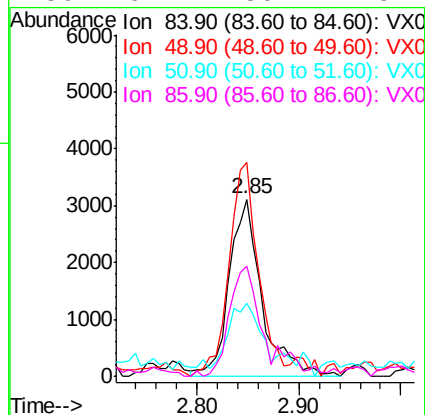
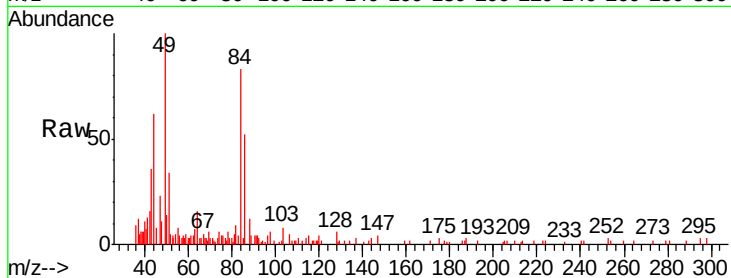




#20
Methylene Chloride
Concen: 1.152 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006866.D
Acq: 28 Dec 2018 17:27

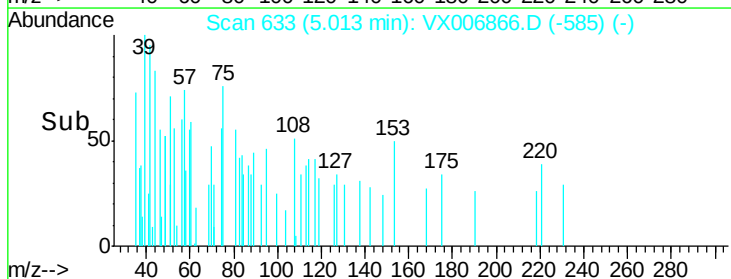
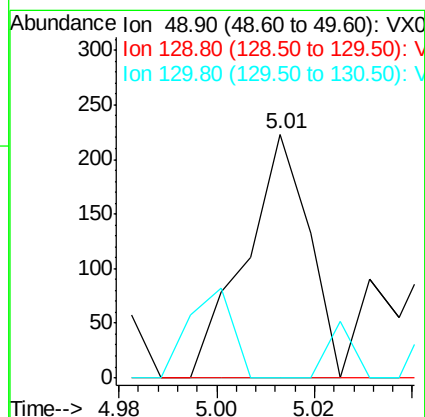
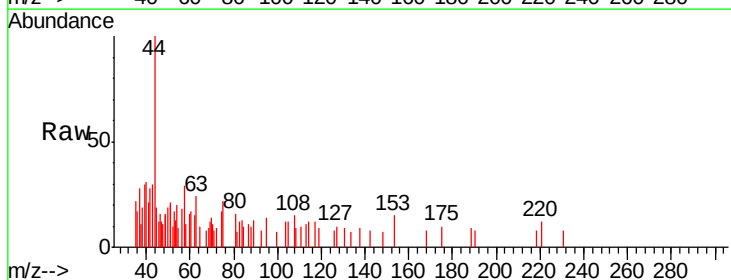
Instrument :
MSVOA_X
ClientSampleId :
S72-0054

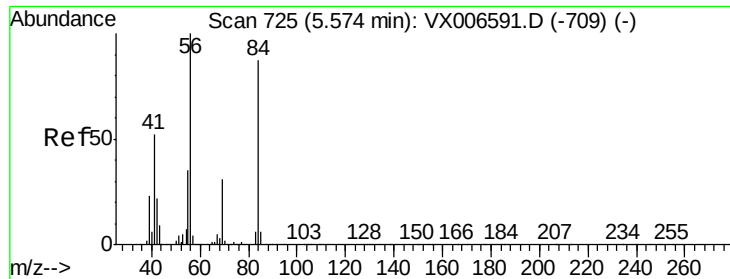
Tgt Ion:	84	Resp:	6870
Ion	Ratio	Lower	Upper
84	100		
49	120.6	91.8	137.6
51	36.6	28.5	42.7
86	62.2	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006866.D
Acq: 28 Dec 2018 17:27

Tgt Ion:	49	Resp:	199
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	25.6	77.7	116.5#

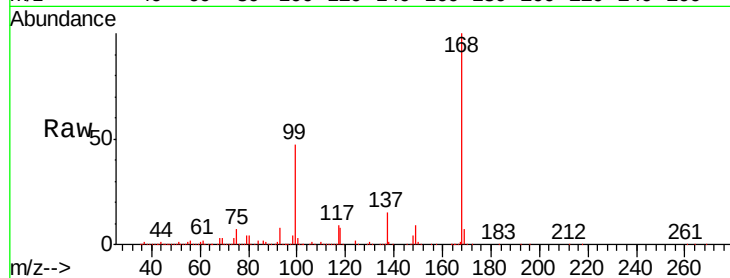




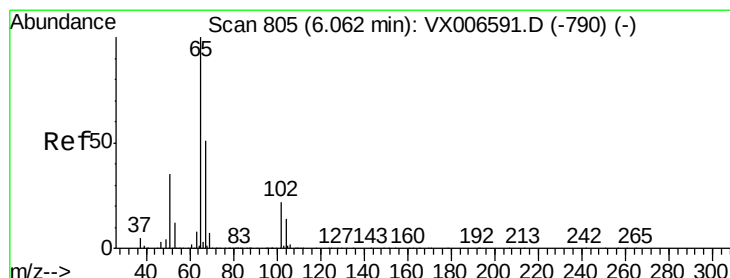
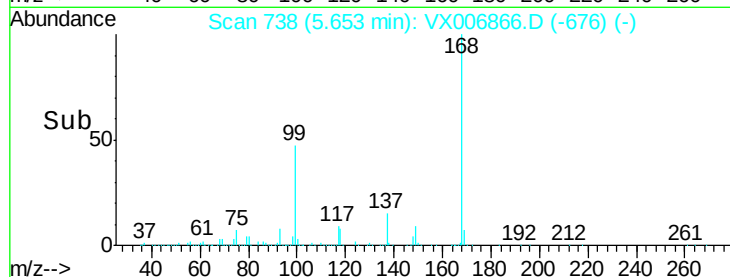
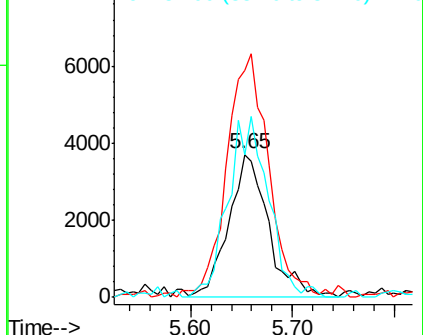
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006866.D
Acq: 28 Dec 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
S72-0054

Tgt Ion: 56 Resp: 10064
Ion Ratio Lower Upper
56 100
69 154.1 24.4 36.6#
84 99.9 70.0 105.0

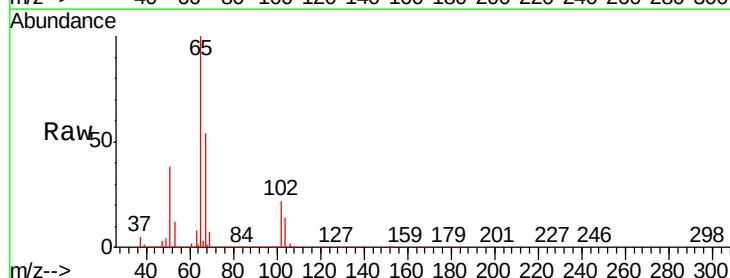


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

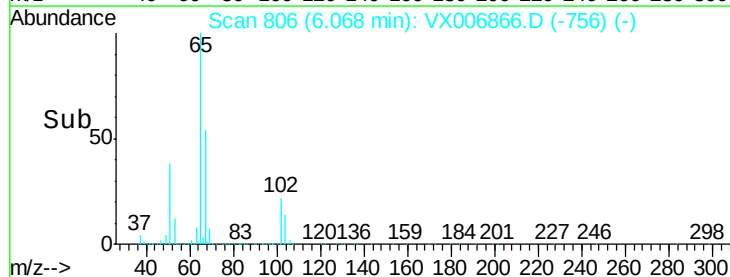
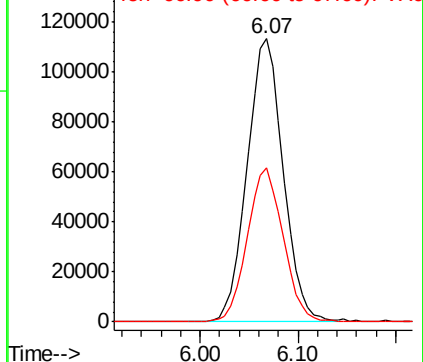


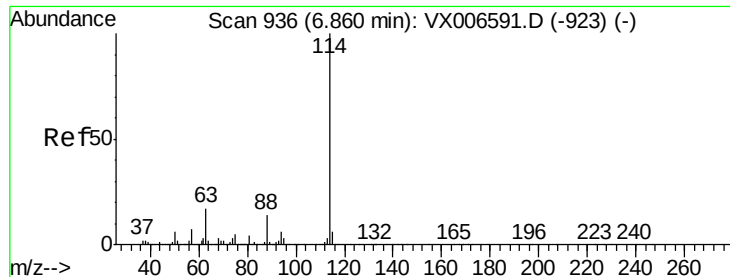
#33
1,2-Dichloroethane-d4
Concen: 46.104 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006866.D
Acq: 28 Dec 2018 17:27

Tgt Ion: 65 Resp: 289466
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0



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: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

S72-0054

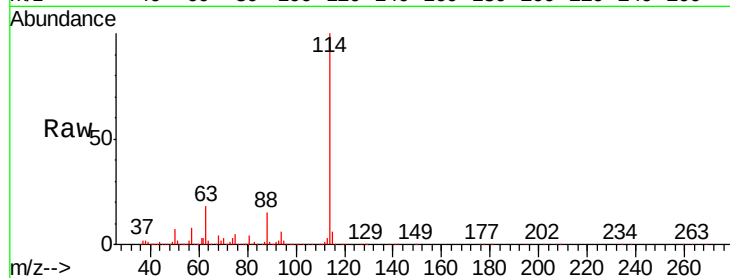
Tgt Ion:114 Resp: 862445

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

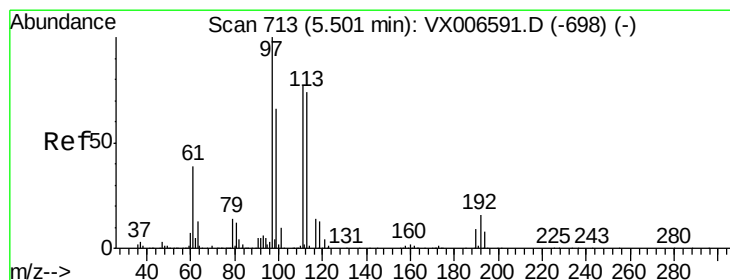
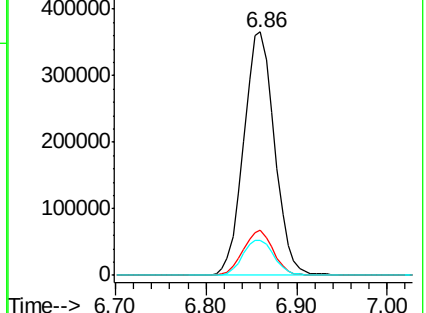
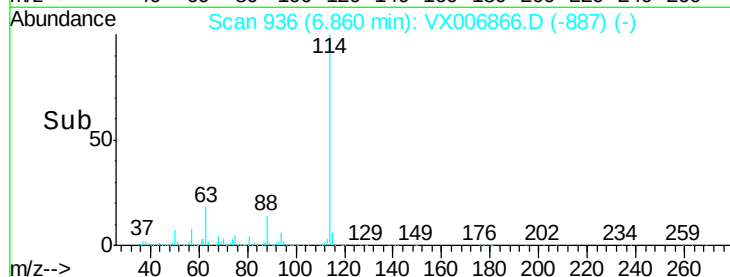
88 14.5 0.0 28.8



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: 44.370 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

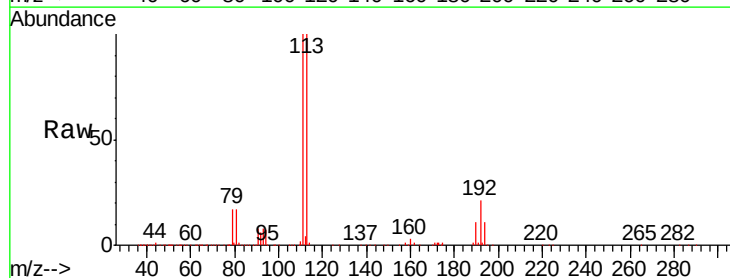
Tgt Ion:113 Resp: 241990

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

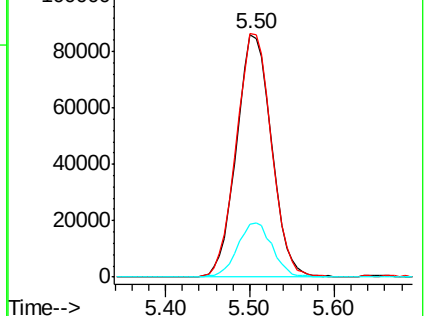
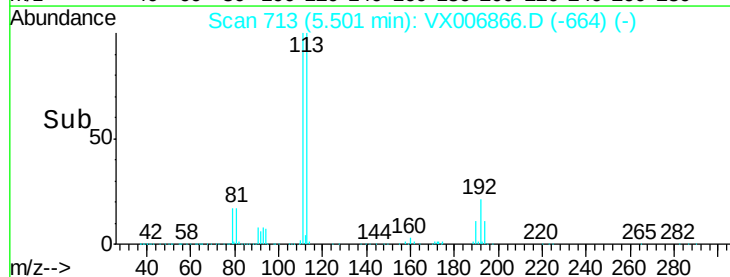
192 22.2 16.7 25.1

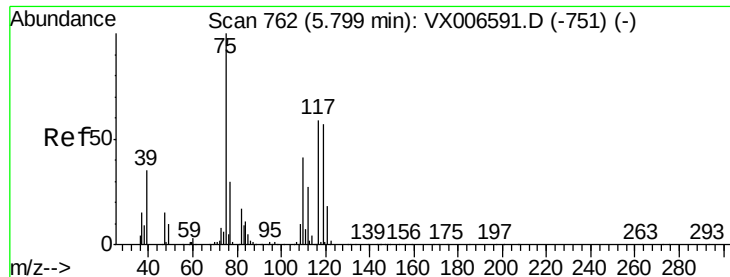


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.187 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

S72-0054

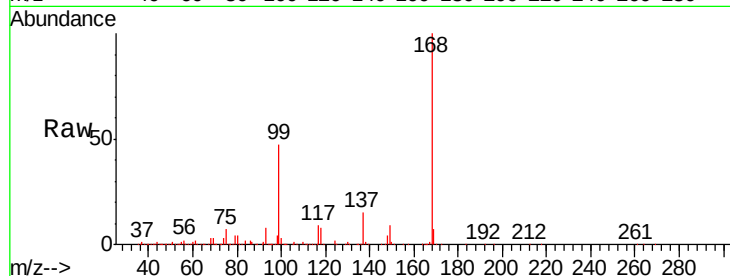
Tgt Ion: 75 Resp: 37048

Ion Ratio Lower Upper

75 100

110 11.4 20.2 60.5#

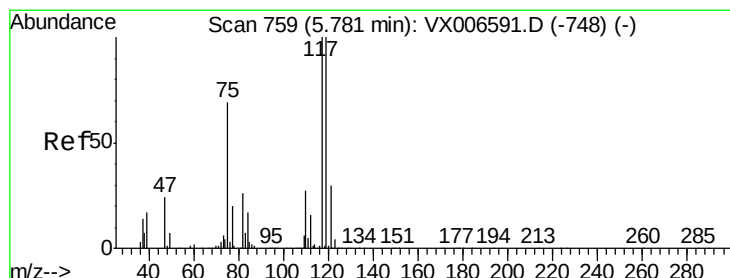
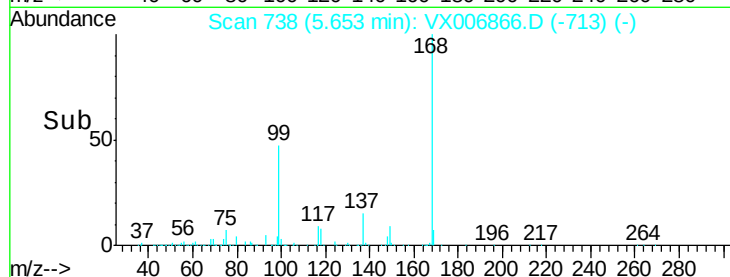
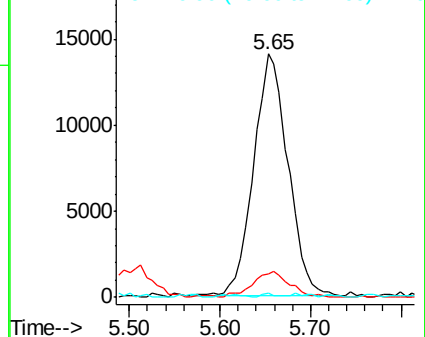
77 0.6 24.8 37.2#



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: 7.425 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

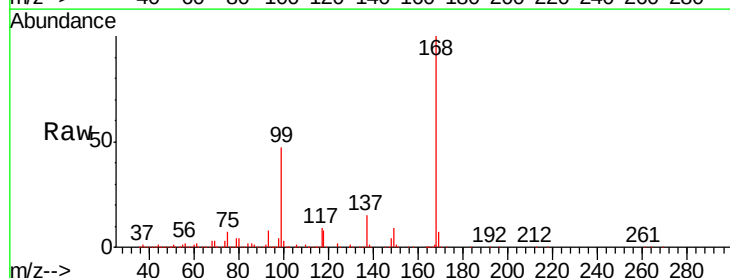
Tgt Ion: 117 Resp: 51546

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

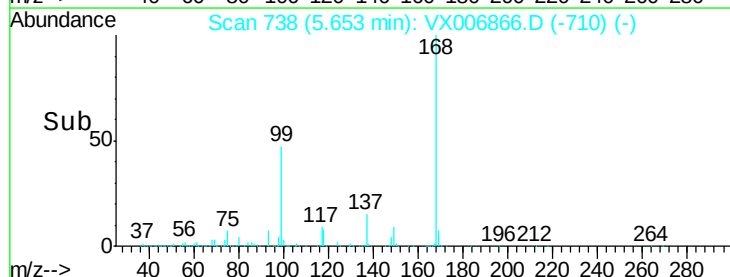
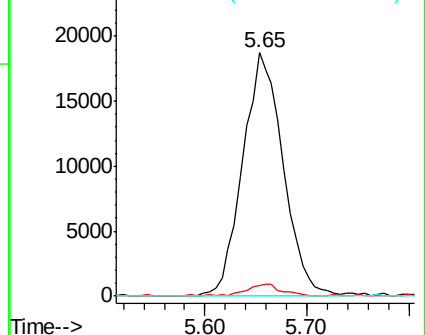
121 0.0 24.0 36.0#

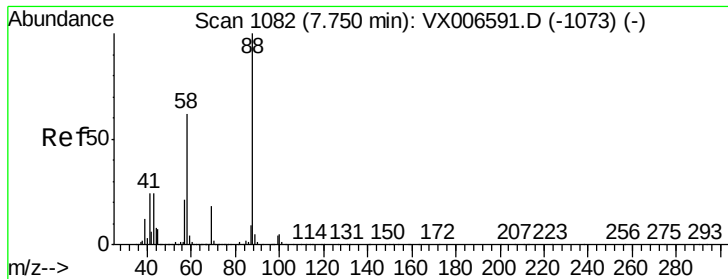


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

S72-0054

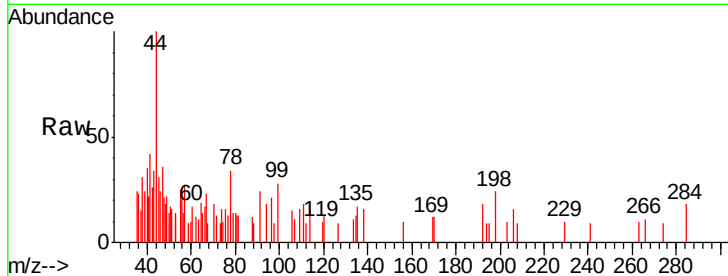
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

88 100

43 64.4 22.2 33.4#

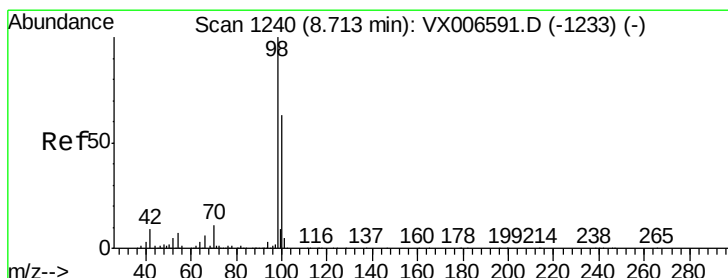
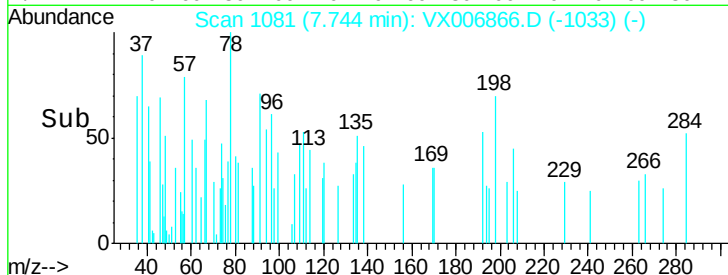
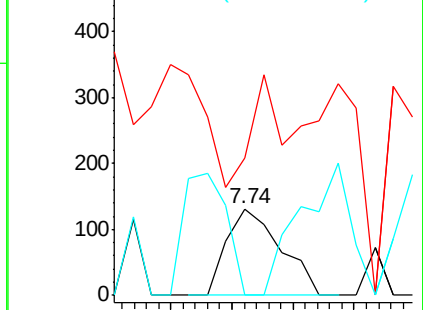
58 114.4 51.0 76.4#



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: 49.218 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006866.D

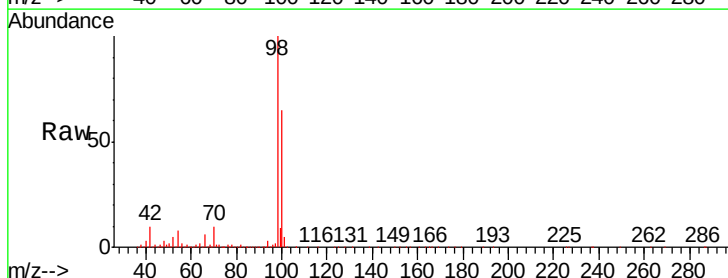
Acq: 28 Dec 2018 17:27

Tgt Ion: 98 Resp: 1012000

Ion Ratio Lower Upper

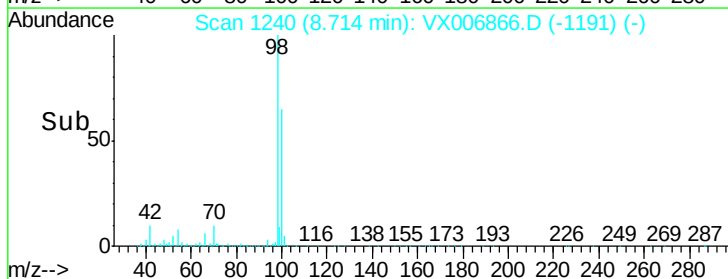
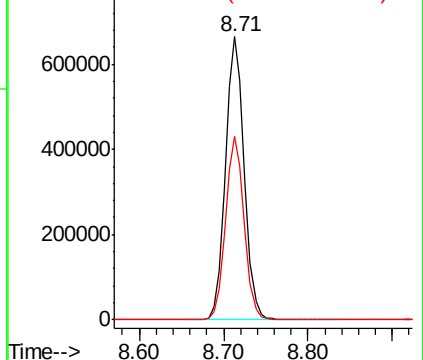
98 100

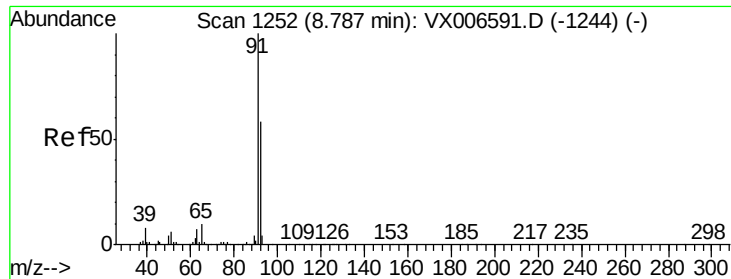
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.215 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

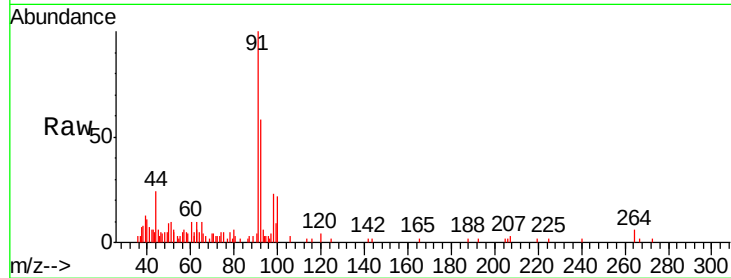
S72-0054

Tgt Ion: 92 Resp: 3010

Ion Ratio Lower Upper

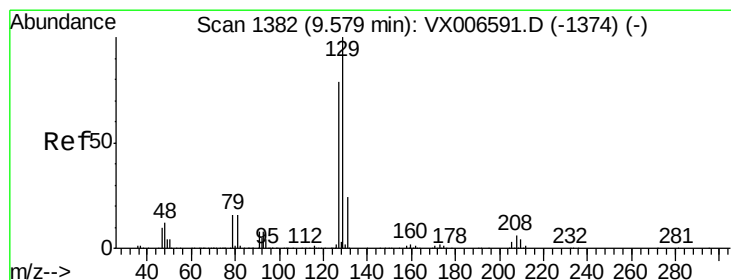
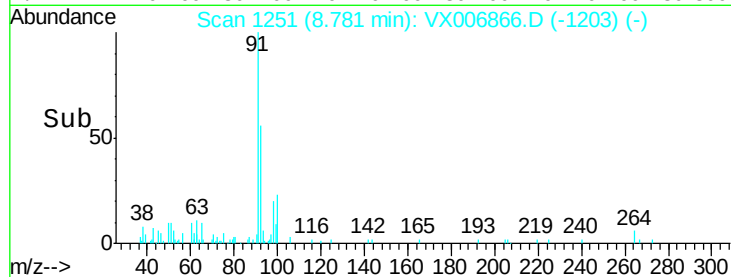
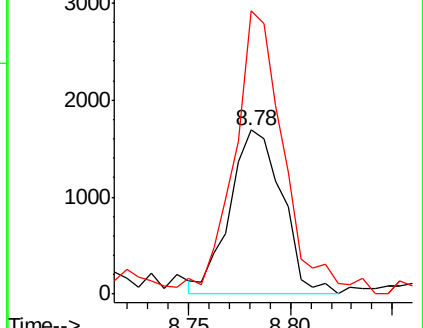
92 100

91 164.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX006866.D (-1203) (-)

Ion 91.00 (90.70 to 91.70): VX006866.D (-1203) (-)



#60

Dibromochloromethane

Concen: 2.344 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. -0.03 min

Lab File: VX006866.D

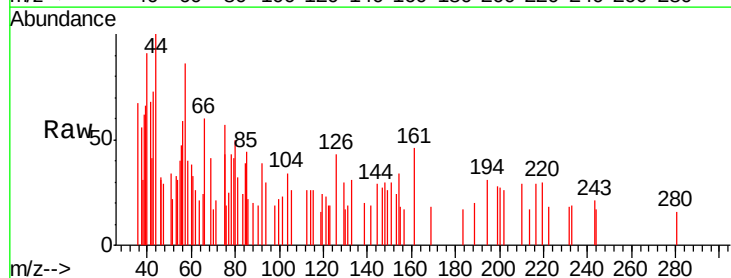
Acq: 28 Dec 2018 17:27

Tgt Ion: 129 Resp: 122

Ion Ratio Lower Upper

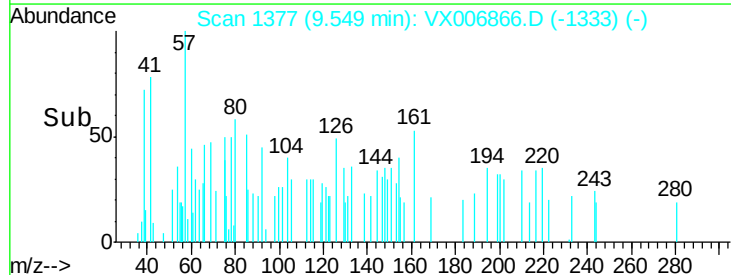
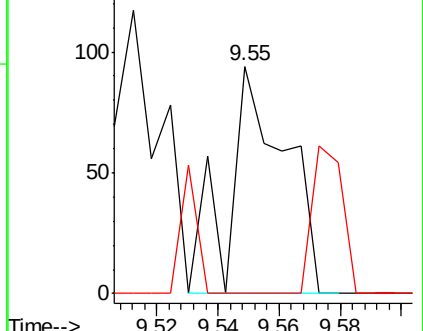
129 100

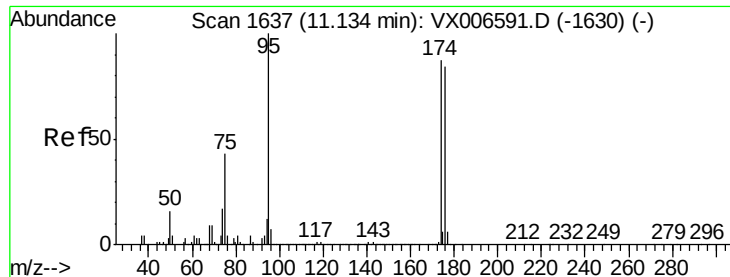
127 15.6 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): VX006866.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006866.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 49.549 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

S72-0054

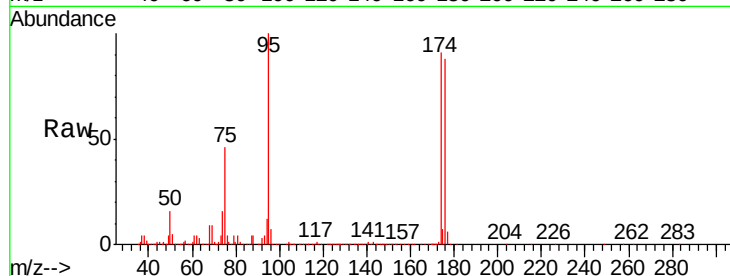
Tgt Ion: 95 Resp: 373131

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.2

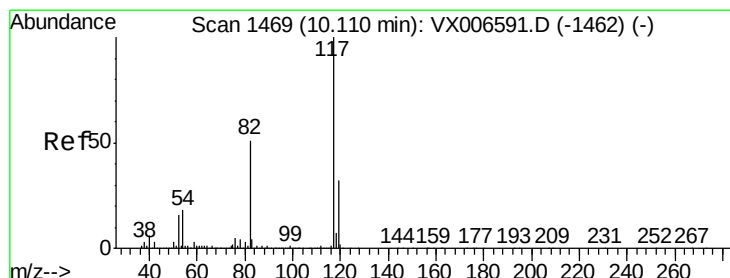
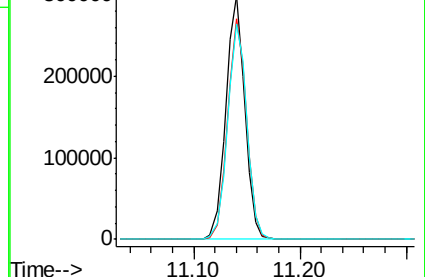
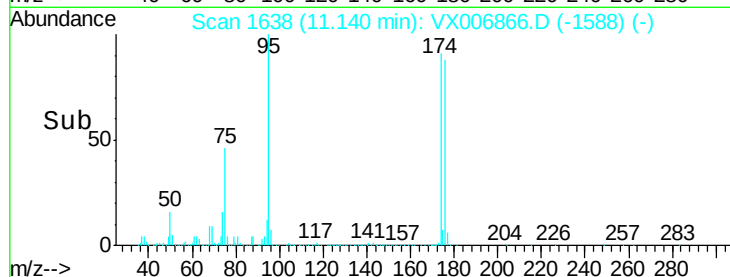
176 89.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

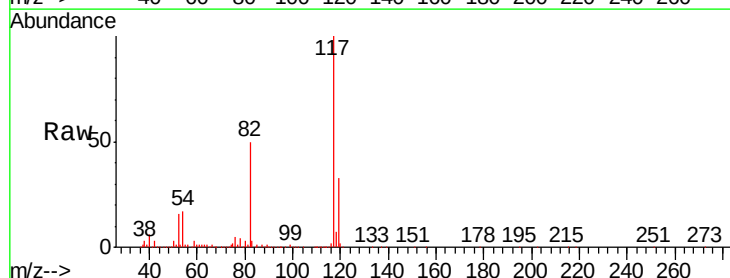
Tgt Ion: 117 Resp: 787647

Ion Ratio Lower Upper

117 100

82 50.4 41.0 61.6

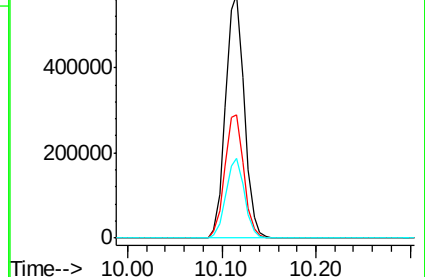
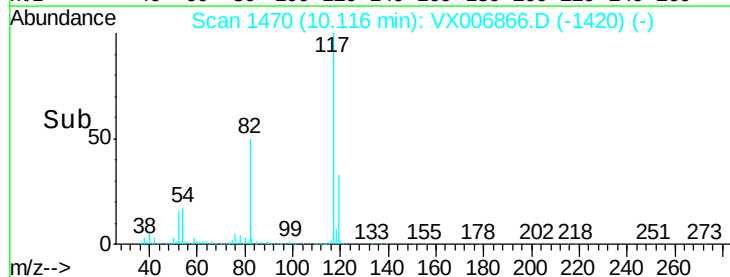
119 32.6 25.4 38.0

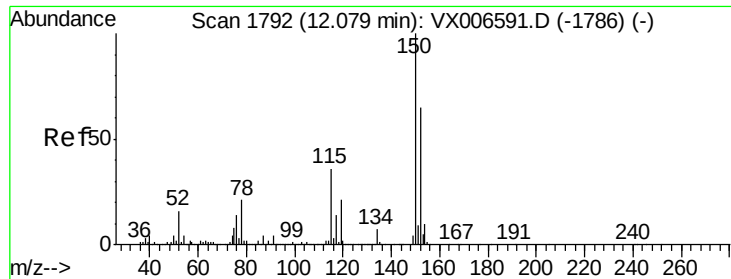


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

S72-0054

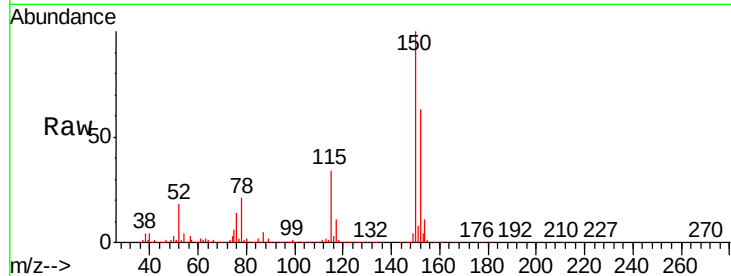
Tgt Ion:152 Resp: 416168

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

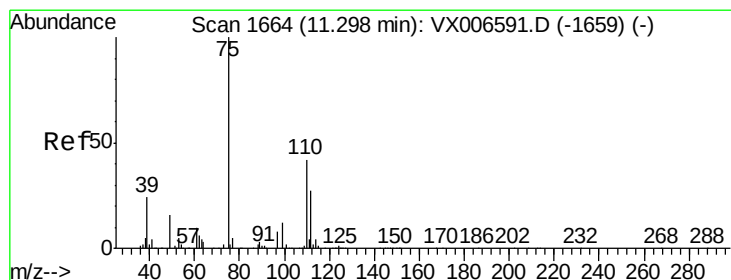
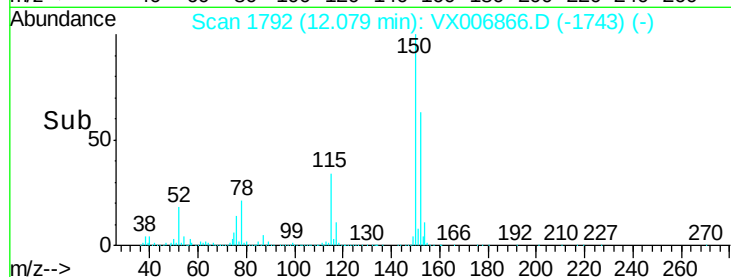
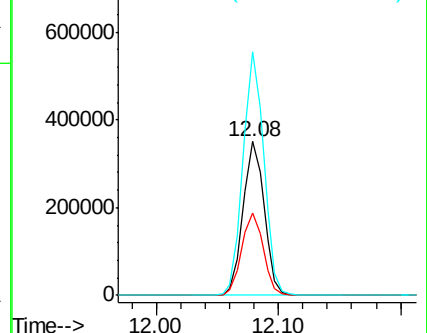
150 157.3 0.0 344.8



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: 22.393 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006866.D

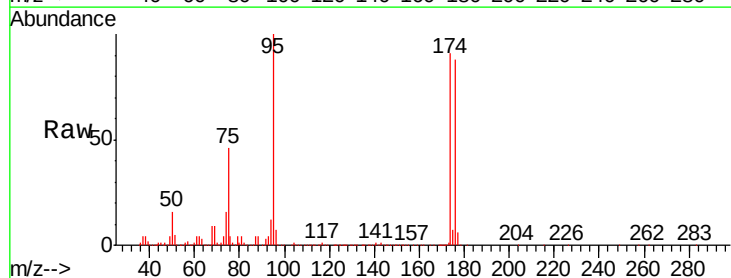
Acq: 28 Dec 2018 17:27

Tgt Ion: 75 Resp: 173190

Ion Ratio Lower Upper

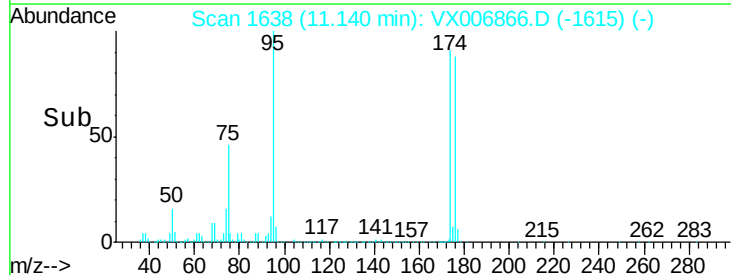
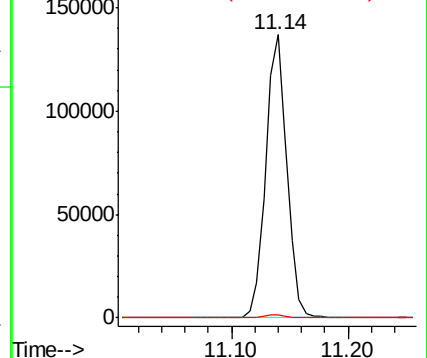
75 100

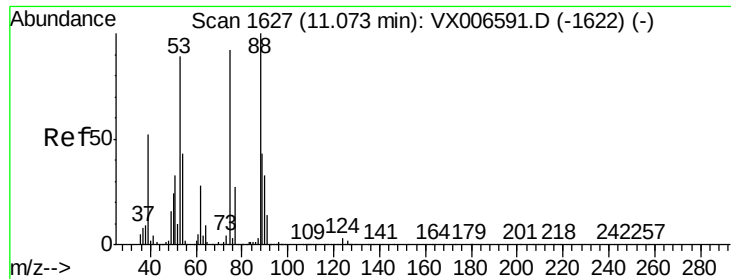
77 1.5 18.5 55.5#



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: 66.612 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006866.D

Acq: 28 Dec 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

S72-0054

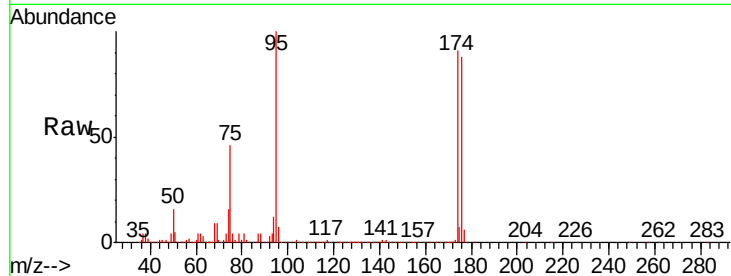
Tgt Ion: 75 Resp: 173190

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

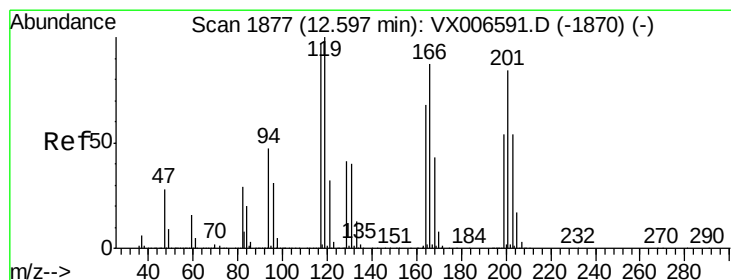
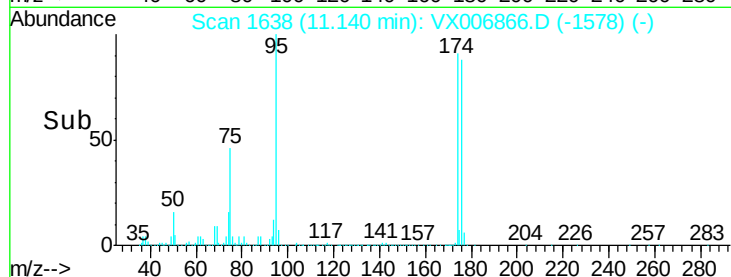
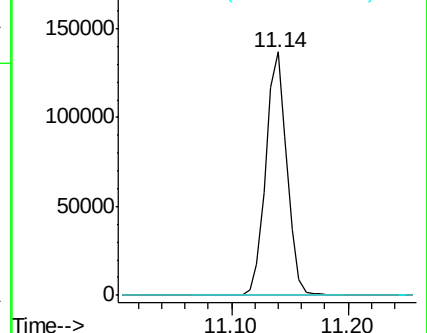
89 0.0 38.0 57.0#



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



#90

Hexachloroethane

Concen: 3.302 ug/l

RT: 12.34 min Scan# 1835

Delta R.T. -0.26 min

Lab File: VX006866.D

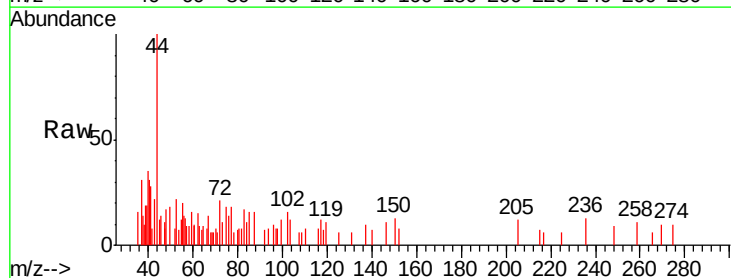
Acq: 28 Dec 2018 17:27

Tgt Ion: 117 Resp: 38

Ion Ratio Lower Upper

117 100

201 121.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

