

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006619.D
 Acq On : 19 Dec 2018 01:38
 Operator : JC/MD
 Sample : J6408-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.1571-20181208

Quant Time: Dec 19 06:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	657820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1058380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	965899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	460223	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	363487	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	315538	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.71	98	1261600	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	454071	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

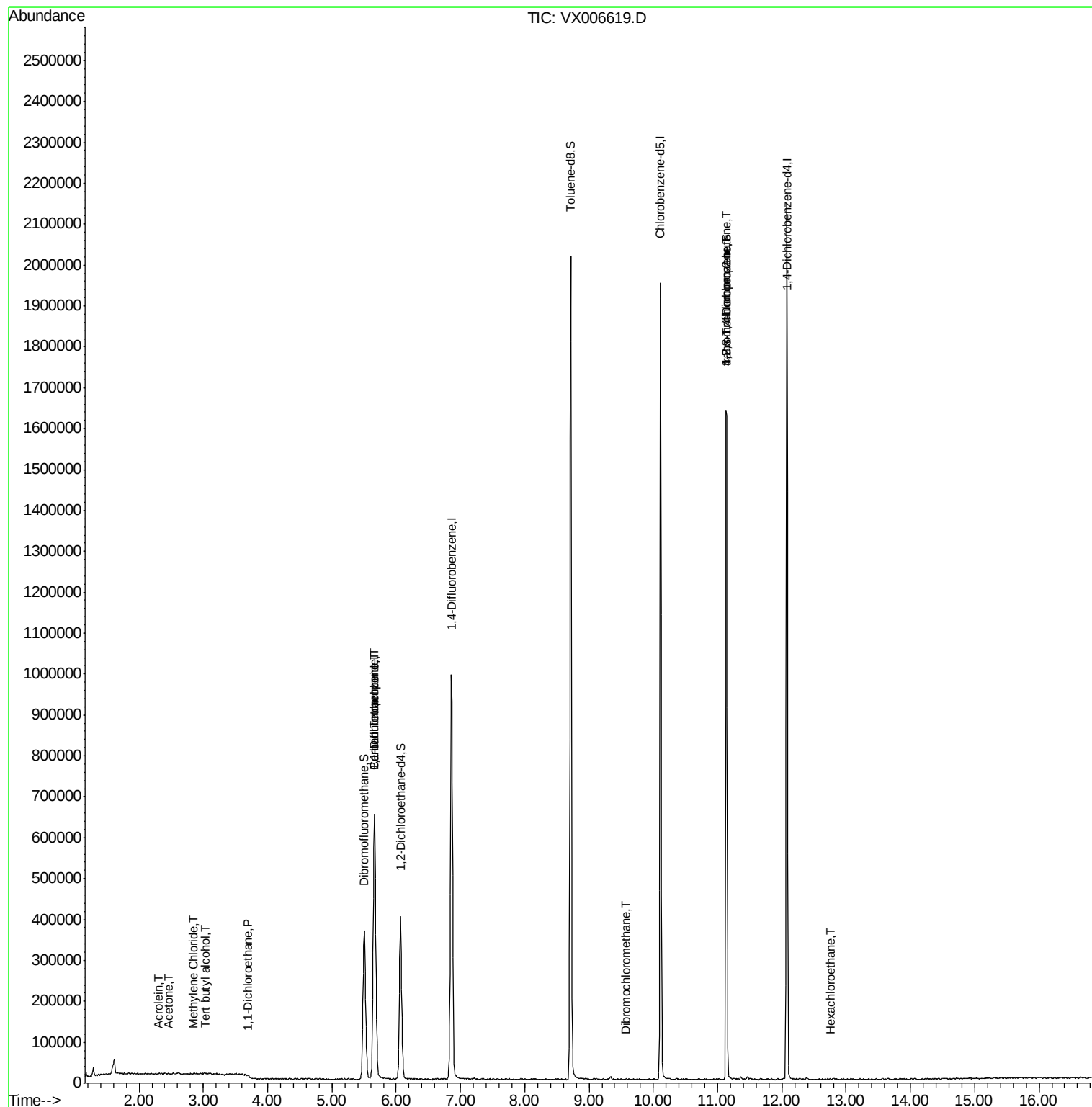
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	369	Below Cal	#	54
11) Tert butyl alcohol	3.02	59	1328	0.839	ug/l #	64
13) Acrolein	2.30	56	316	0.296	ug/l #	13
16) Acetone	2.45	43	2026	0.622	ug/l #	68
20) Methylene Chloride	2.85	84	2053	0.305	ug/l #	72
24) 1,1-Dichloroethane	3.70	63	5626	0.521	ug/l #	80
28) Bromochloromethane	5.04	49	190	Below Cal	#	35
36) 1,1-Dichloropropene	5.66	75	44793	5.110	ug/l #	48
38) Carbon Tetrachloride	5.66	117	62689	7.359	ug/l #	16
49) 1,4-Dioxane	7.76	88	179	Below Cal	#	1
60) Dibromochloromethane	9.57	129	117	2.339	ug/l	81
76) 1,2,3-Trichloropropane	11.13	75	209544	25.978	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	209544	72.481	ug/l #	15
90) Hexachloroethane	12.76	117	48	3.303	ug/l	54

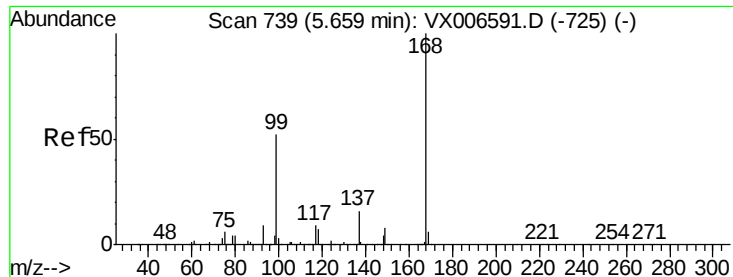
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

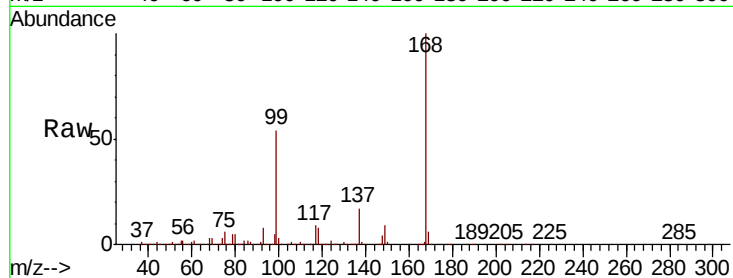
SA.1571-20181208

Tot Ion:168 Resp: 657820

Ion Ratio Lower Upper

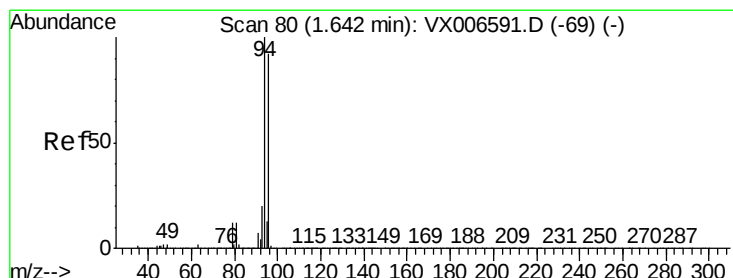
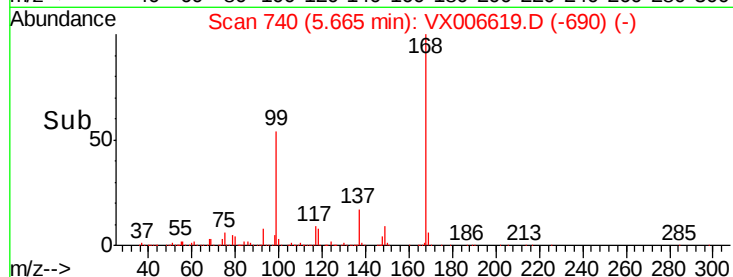
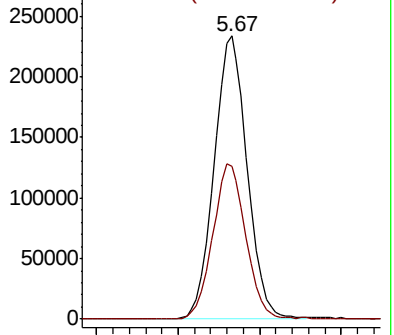
168 100

99 54.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006619.D

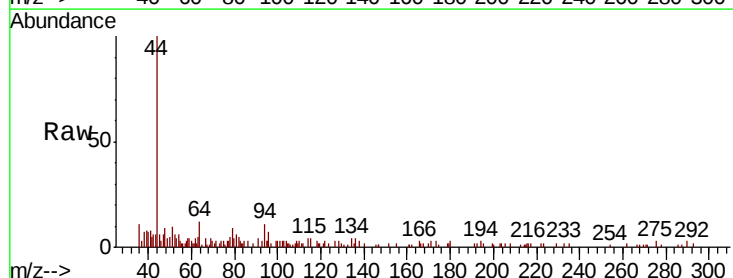
Acq: 19 Dec 2018 01:38

Tgt Ion: 94 Resp: 369

Ion Ratio Lower Upper

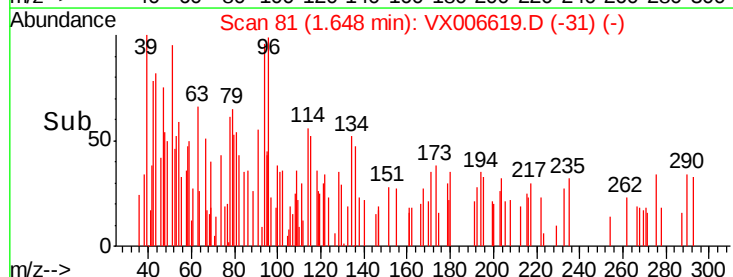
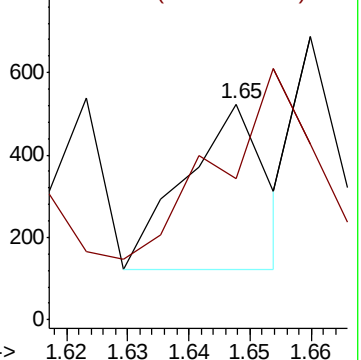
94 100

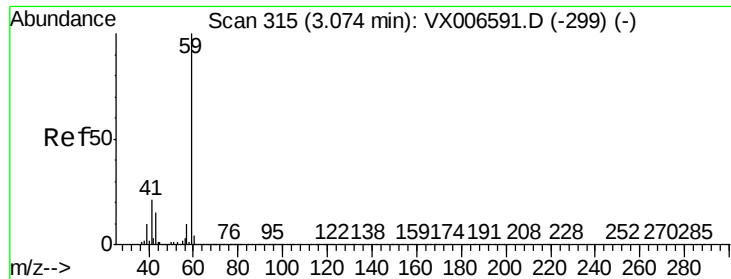
96 48.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



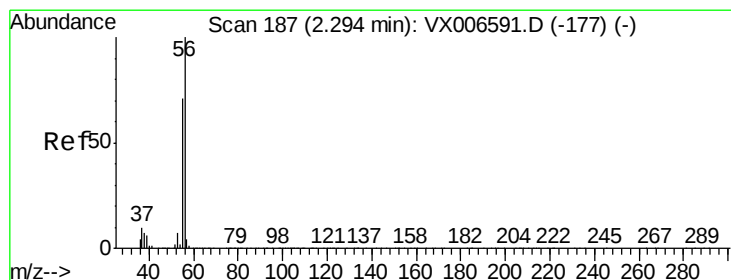
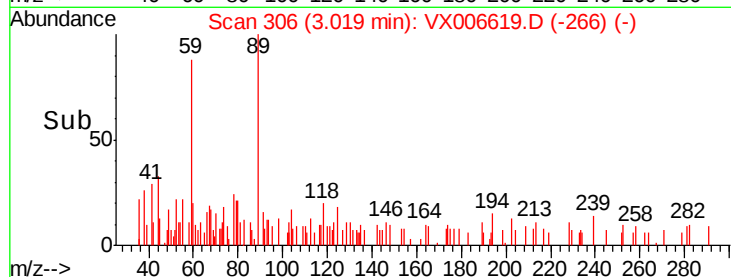
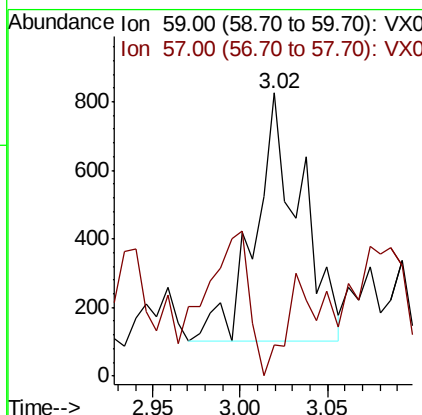
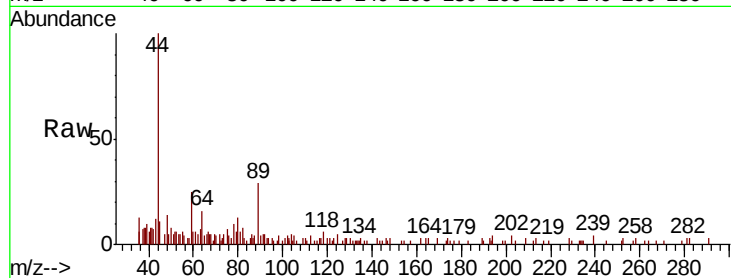


#11

Tert butyl alcohol
 Concen: 0.839 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX006619.D
 Acq: 19 Dec 2018 01:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.1571-20181208

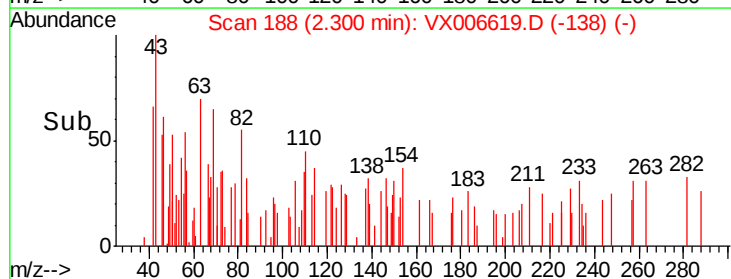
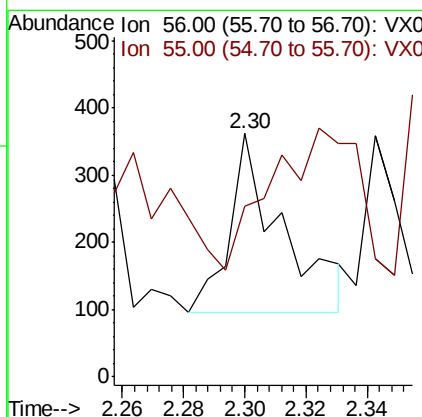
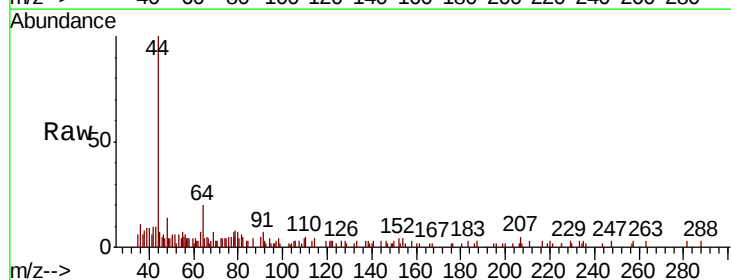
Tot Ion: 59 Resp: 1328
 Ion Ratio Lower Upper
 59 100
 57 23.6 8.2 12.2#

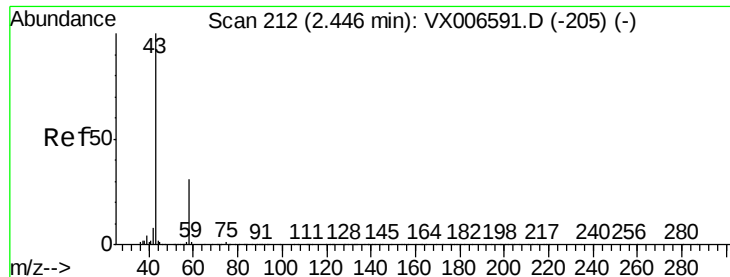


#13

Acrolein
 Concen: 0.296 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX006619.D
 Acq: 19 Dec 2018 01:38

Tgt Ion: 56 Resp: 316
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 0.622 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

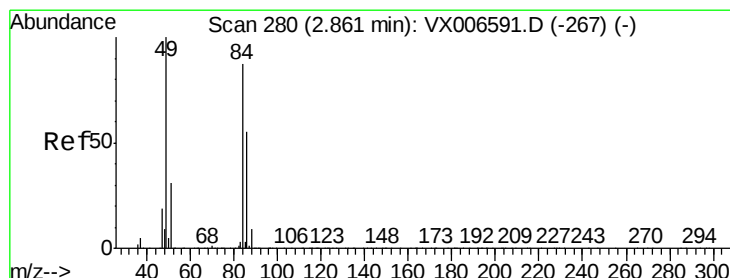
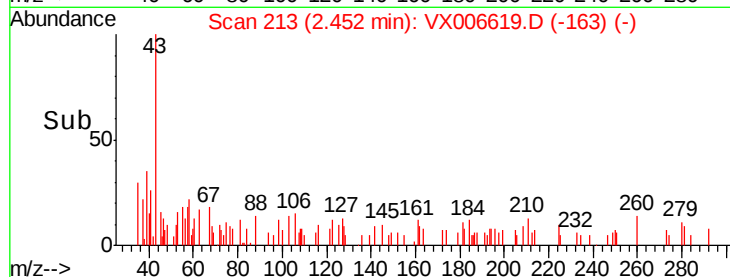
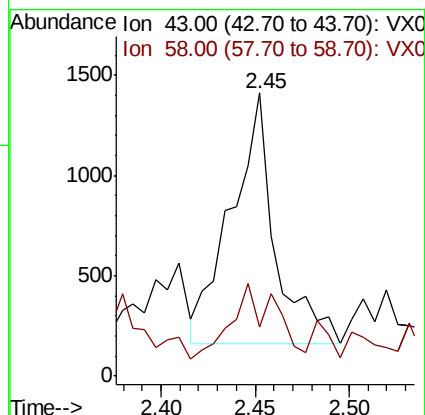
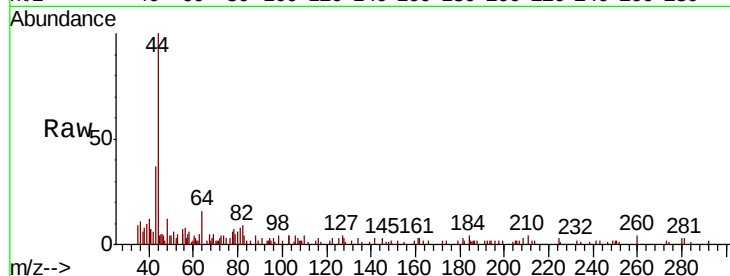
SA.1571-20181208

Tot Ion: 43 Resp: 2026

Ion Ratio Lower Upper

43 100

58 12.9 24.0 36.0#



#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Tgt Ion: 84 Resp: 2053

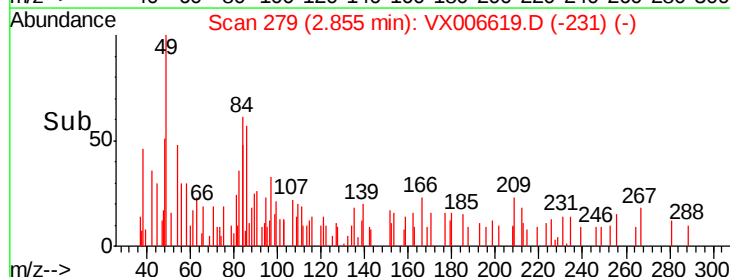
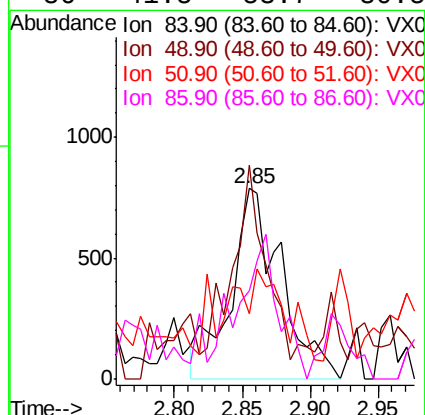
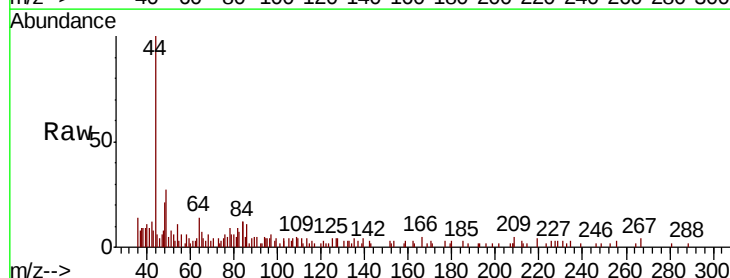
Ion Ratio Lower Upper

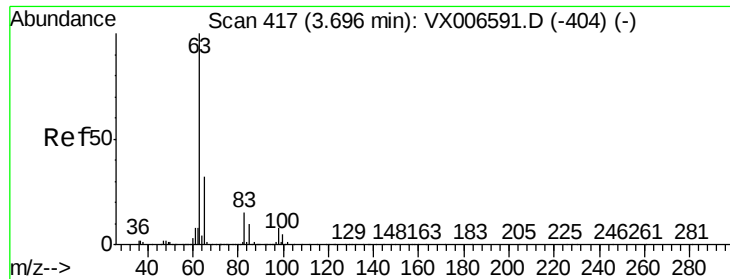
84 100

49 99.9 102.2 153.4#

51 17.8 31.1 46.7#

86 41.5 53.7 80.5#





#24

1,1-Dichloroethane

Concen: 0.521 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

SA.1571-20181208

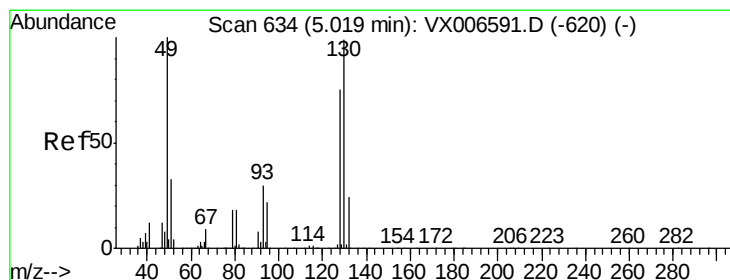
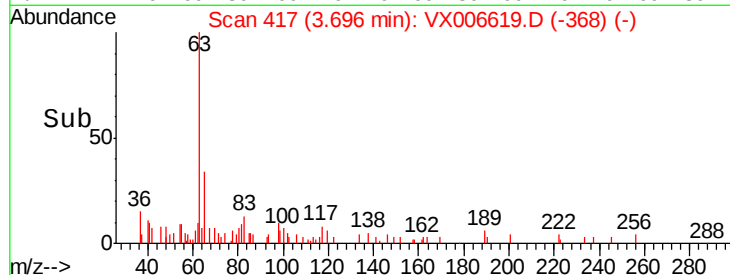
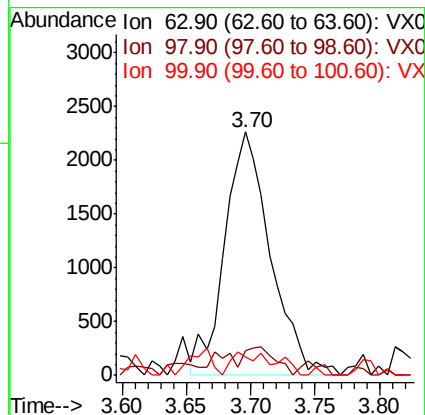
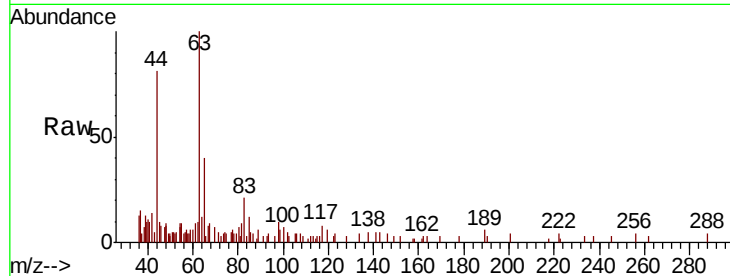
Tot Ion: 63 Resp: 5626

Ion Ratio Lower Upper

63 100

98 17.3 3.8 11.4#

100 7.8 2.5 7.4#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

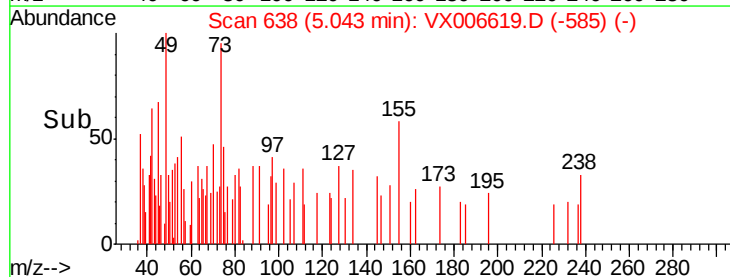
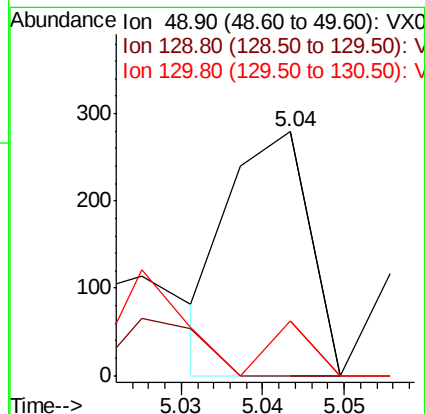
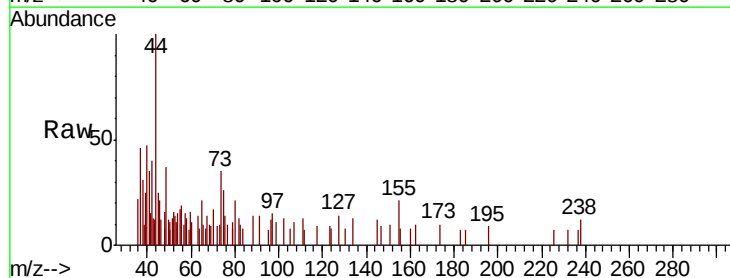
Tgt Ion: 49 Resp: 190

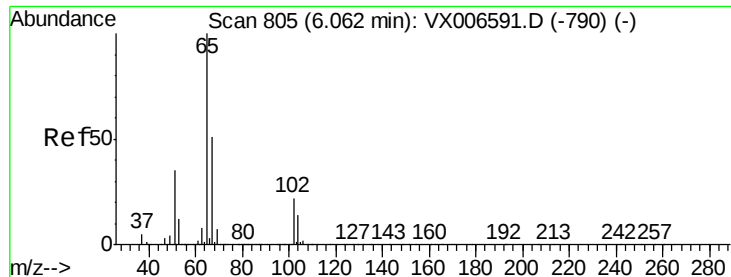
Ion Ratio Lower Upper

49 100

129 23.2 0.0 5.0#

130 33.7 78.3 117.5#





#33

1,2-Dichloroethane-d4

Concen: 51.270 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

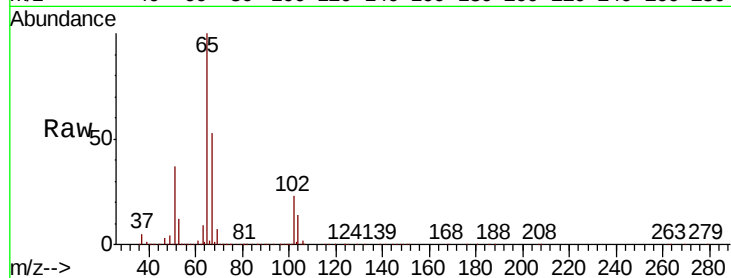
SA.1571-20181208

Tot Ion: 65 Resp: 363487

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

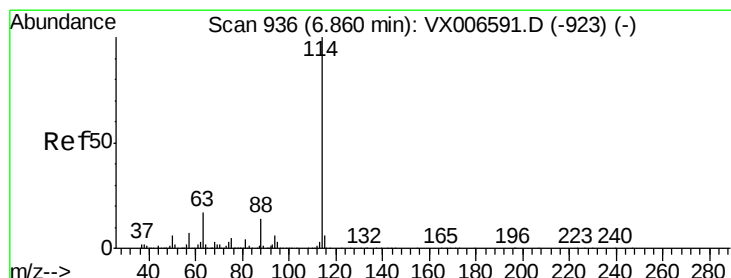
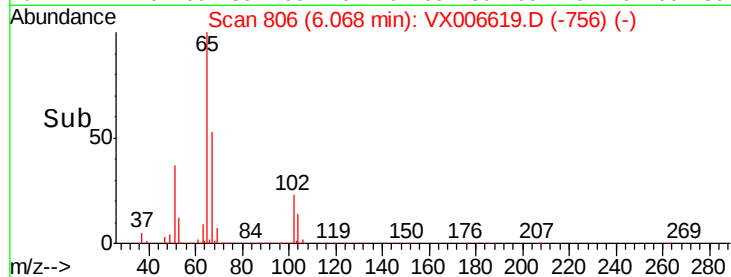
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

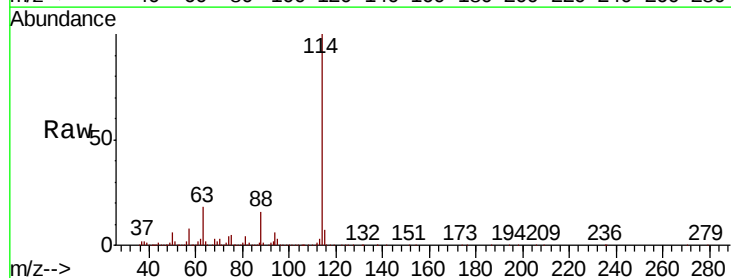
Tgt Ion:114 Resp: 1058380

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 15.6 0.0 29.0



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

6.86

600000

500000

400000

300000

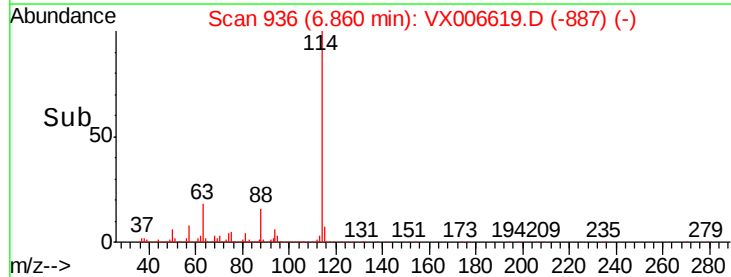
200000

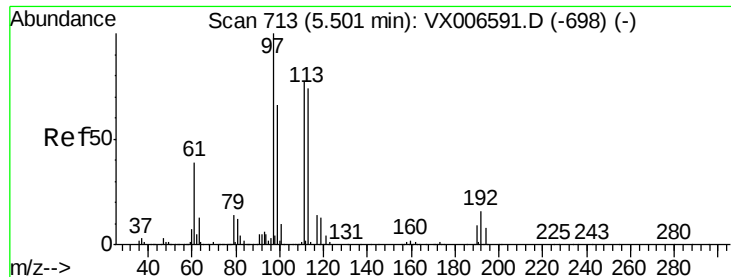
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.145 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

SA.1571-20181208

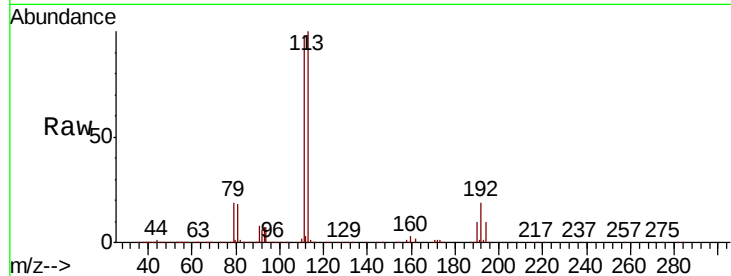
Tot Ion:113 Resp: 315538

Ion Ratio Lower Upper

113 100

111 100.7 81.1 121.7

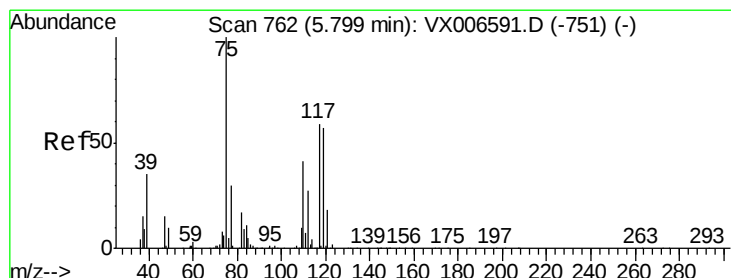
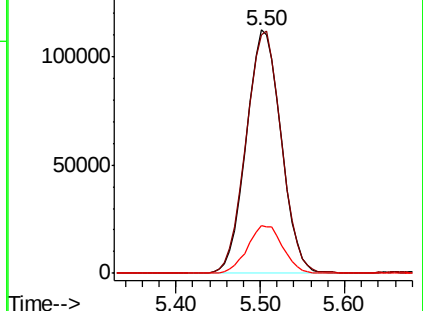
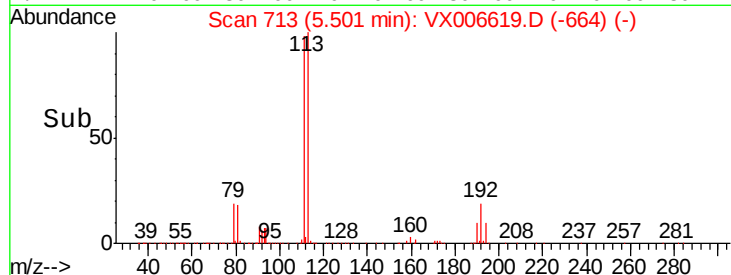
192 19.9 18.2 27.2



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: 5.110 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

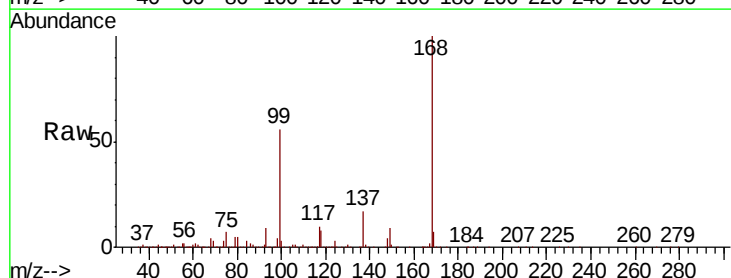
Tgt Ion: 75 Resp: 44793

Ion Ratio Lower Upper

75 100

110 10.3 20.4 61.3#

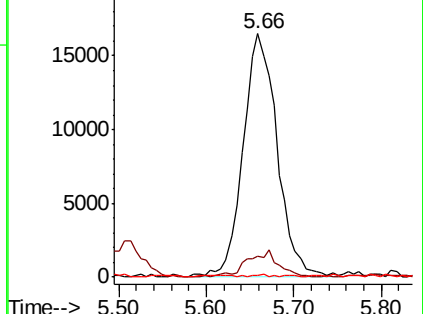
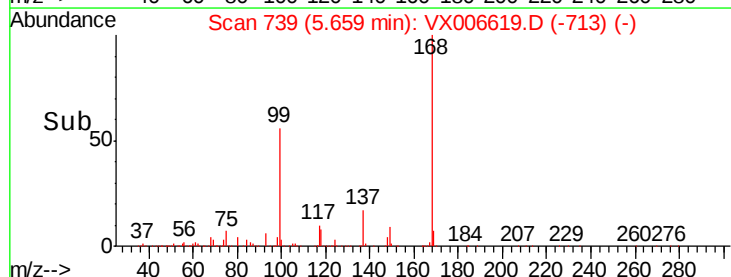
77 0.4 24.9 37.3#

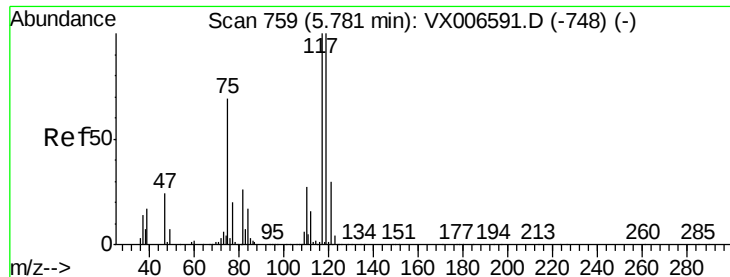


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.359 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

SA.1571-20181208

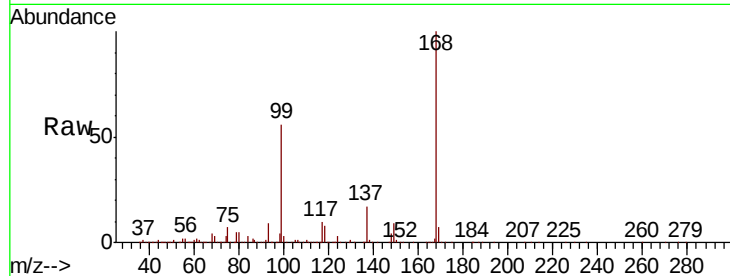
Tot Ion:117 Resp: 62689

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

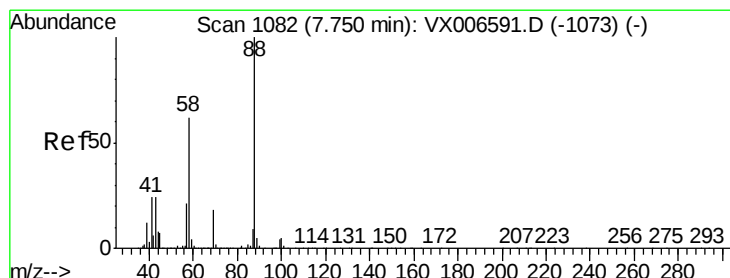
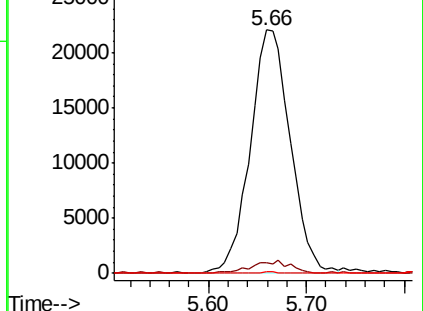
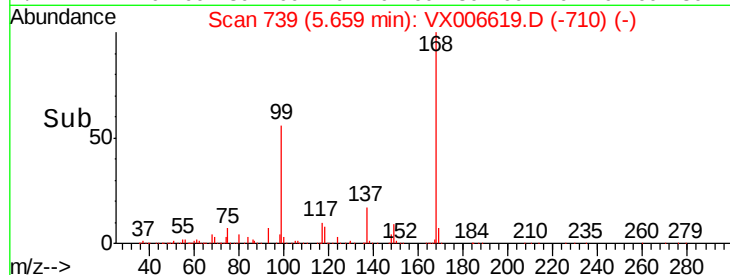
121 0.5 24.6 37.0#



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: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

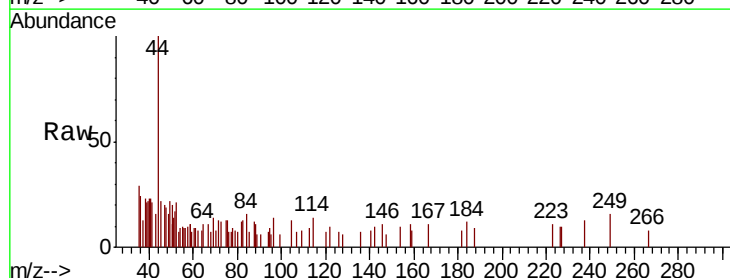
Tgt Ion: 88 Resp: 179

Ion Ratio Lower Upper

88 100

43 107.8 23.2 34.8#

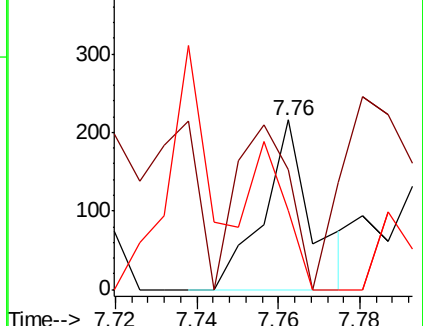
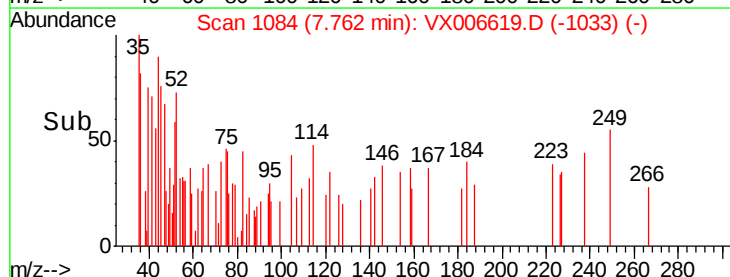
58 0.0 51.4 77.0#

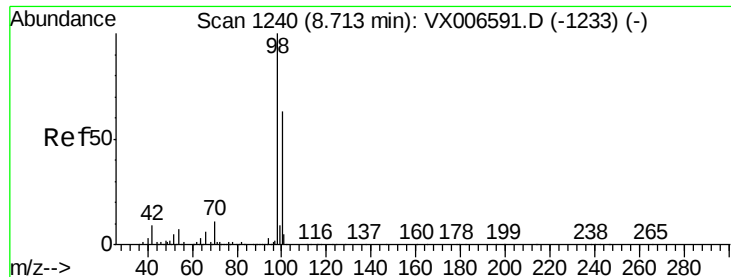


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.998 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

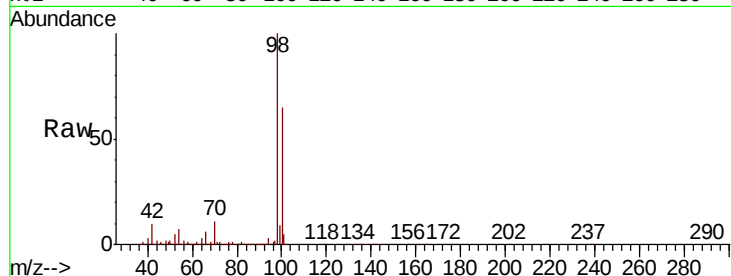
SA.1571-20181208

Tot Ion: 98 Resp: 1261600

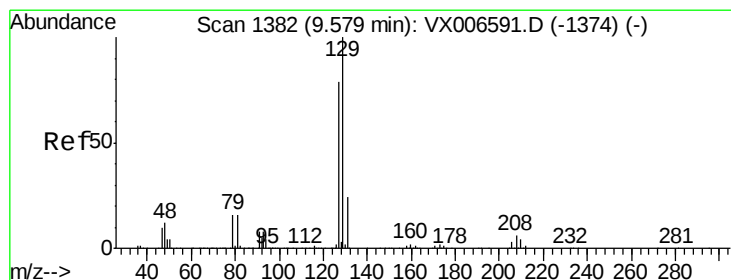
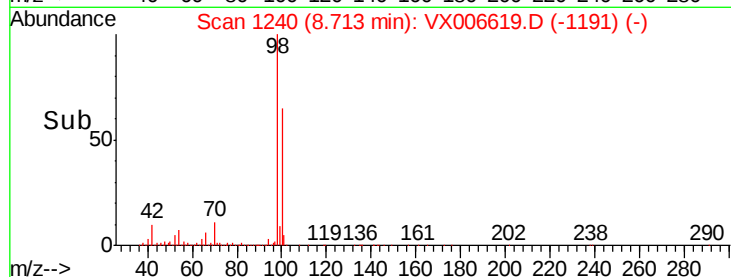
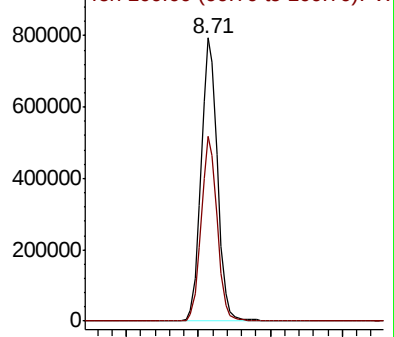
Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006619.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.339 ug/l

RT: 9.57 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VX006619.D

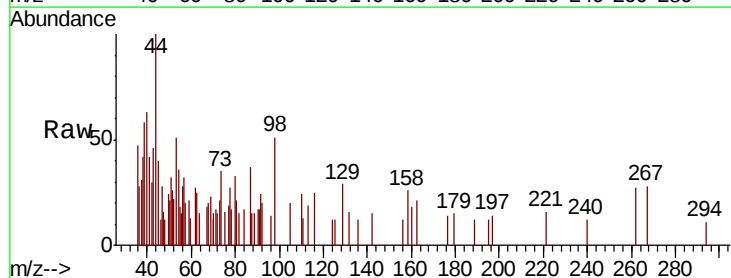
Acq: 19 Dec 2018 01:38

Tgt Ion: 129 Resp: 117

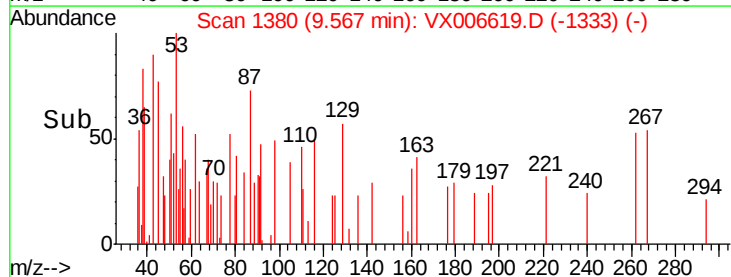
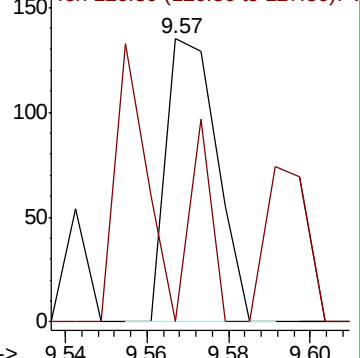
Ion Ratio Lower Upper

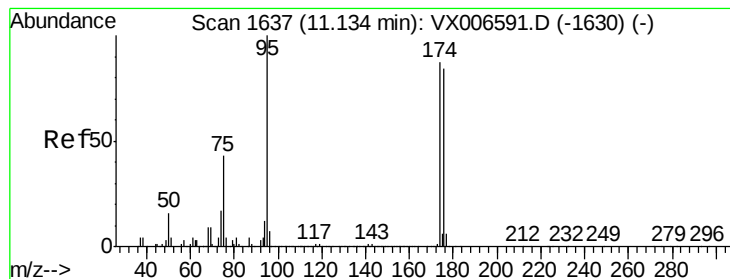
129 100

127 60.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX006619.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 49.135 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

SA.1571-20181208

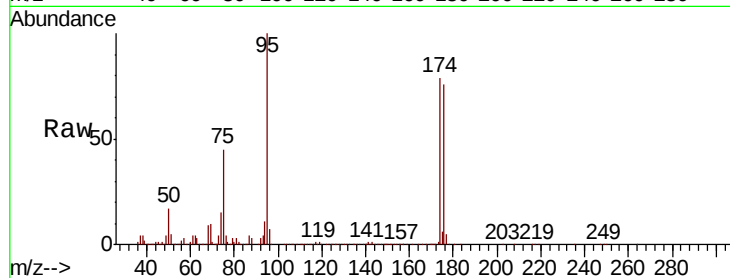
Tot Ion: 95 Resp: 454071

Ion Ratio Lower Upper

95 100

174 85.9 0.0 187.0

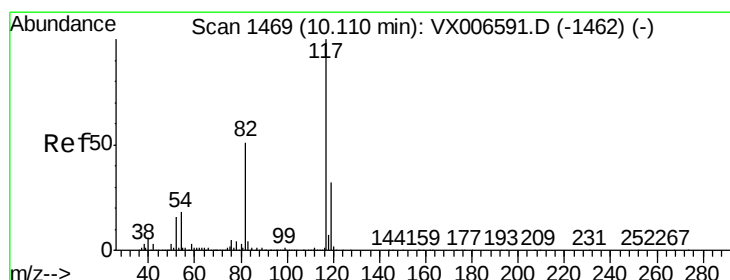
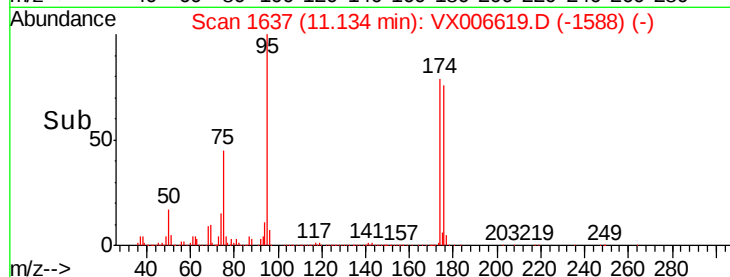
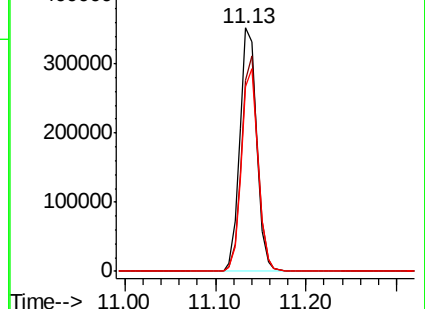
176 81.9 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006619.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006619.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006619.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

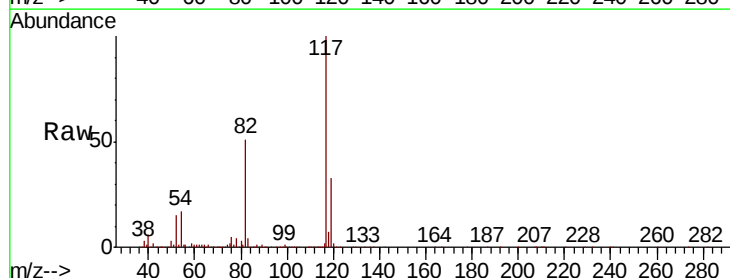
Tgt Ion: 117 Resp: 965899

Ion Ratio Lower Upper

117 100

82 50.5 39.6 59.4

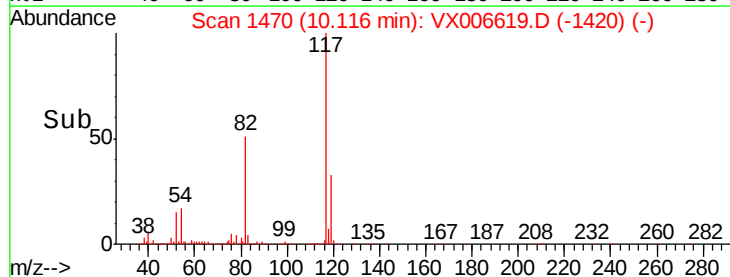
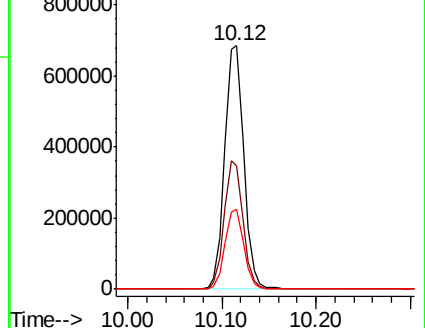
119 32.9 26.3 39.5

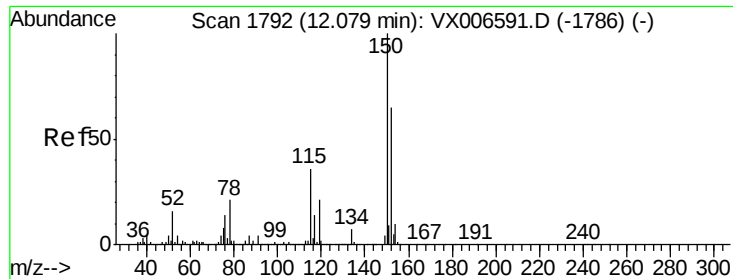


Abundance Ion 116.90 (116.60 to 117.60): VX006619.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006619.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006619.D (-1420) (-)



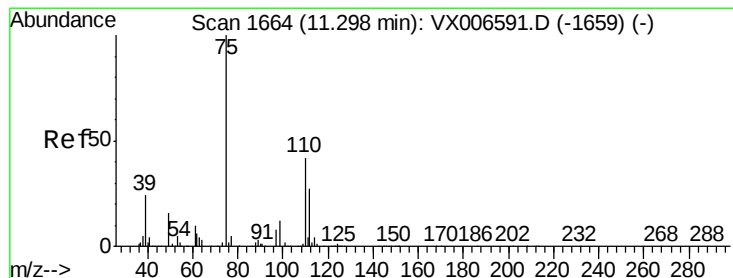
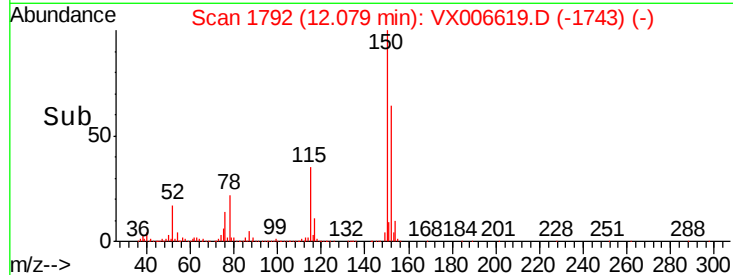
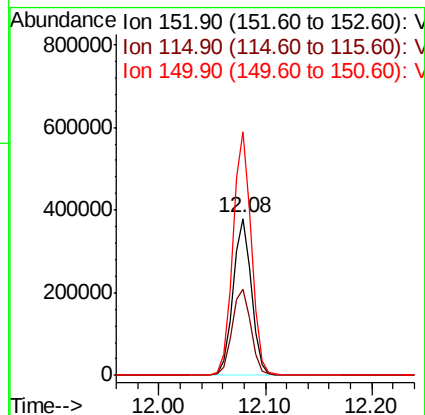
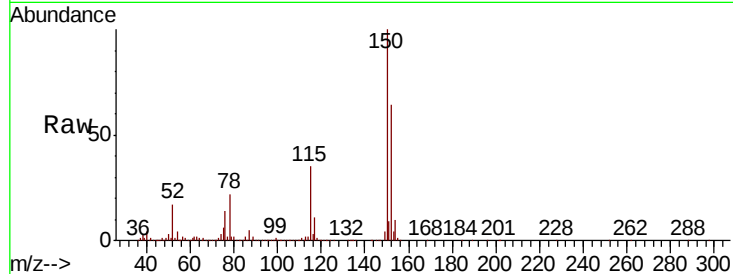


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006619.D
Acq: 19 Dec 2018 01:38

Instrument :
MSVOA_X
ClientSampleId :
SA.1571-20181208

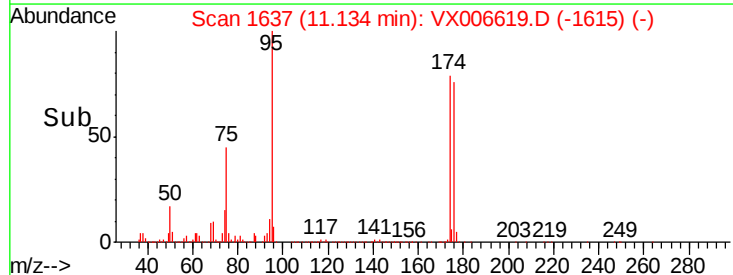
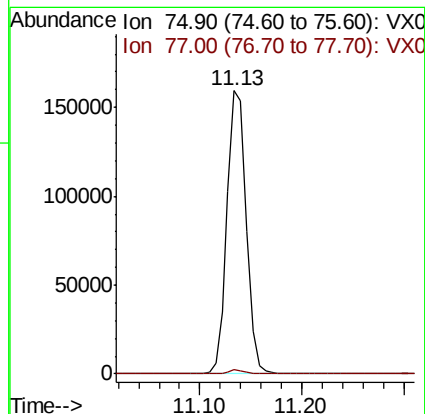
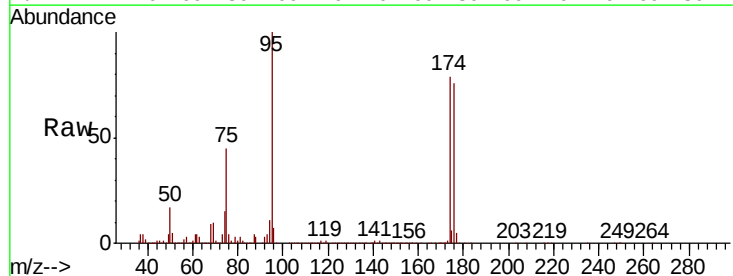
Tot Ion:152 Resp: 460223
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 154.6 0.0 345.8

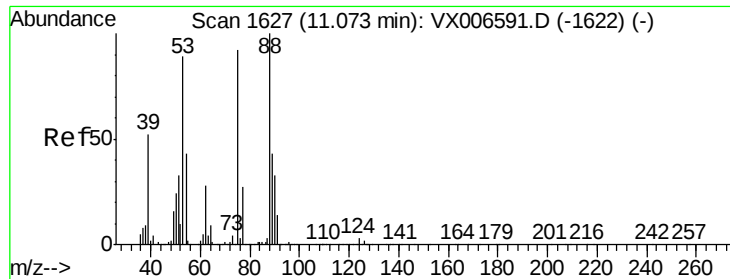


#76

1,2,3-Trichloropropane
Concen: 25.978 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006619.D
Acq: 19 Dec 2018 01:38

Tgt Ion: 75 Resp: 209544
Ion Ratio Lower Upper
75 100
77 1.3 19.9 59.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.481 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006619.D

Acq: 19 Dec 2018 01:38

Instrument :

MSVOA_X

ClientSampleId :

SA.1571-20181208

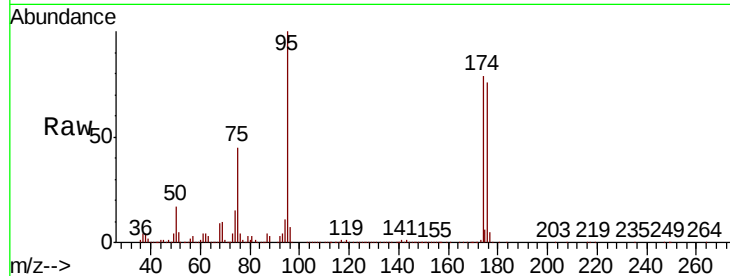
Tot Ion: 75 Resp: 209544

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

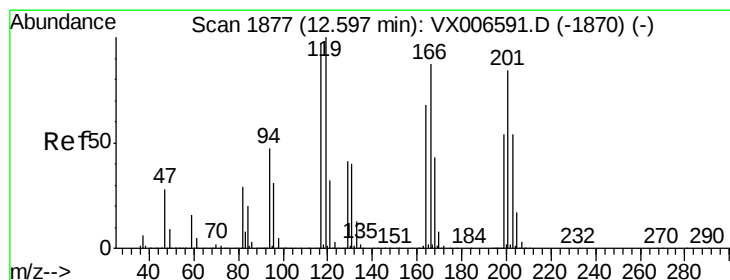
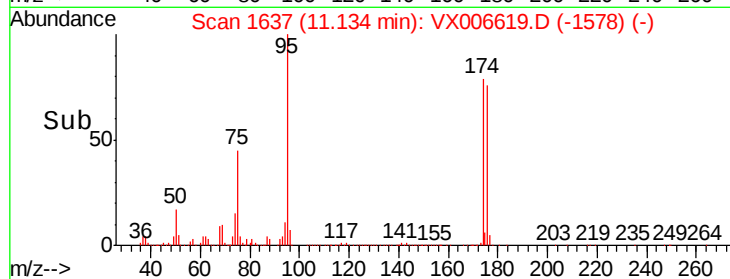
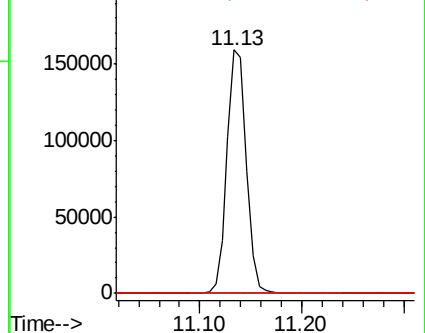
89 0.0 44.2 66.4#



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: 3.303 ug/l

RT: 12.76 min Scan# 1904

Delta R.T. 0.17 min

Lab File: VX006619.D

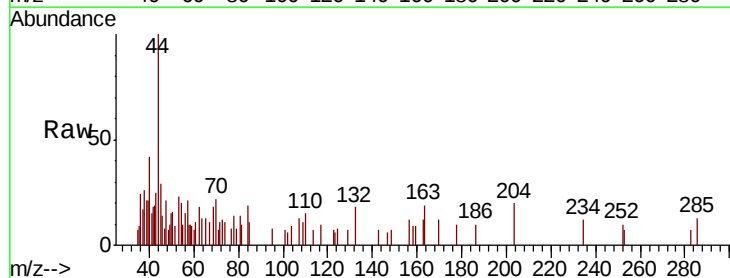
Acq: 19 Dec 2018 01:38

Tgt Ion: 117 Resp: 48

Ion Ratio Lower Upper

117 100

201 45.8 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

