

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006275.D
 Acq On : 04 Dec 2018 13:48
 Operator : JC/MD
 Sample : J6207-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 05 00:29:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	866232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1299416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1193827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	588475	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	425954	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	5.51	113	412862	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	1521354	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	569455	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	

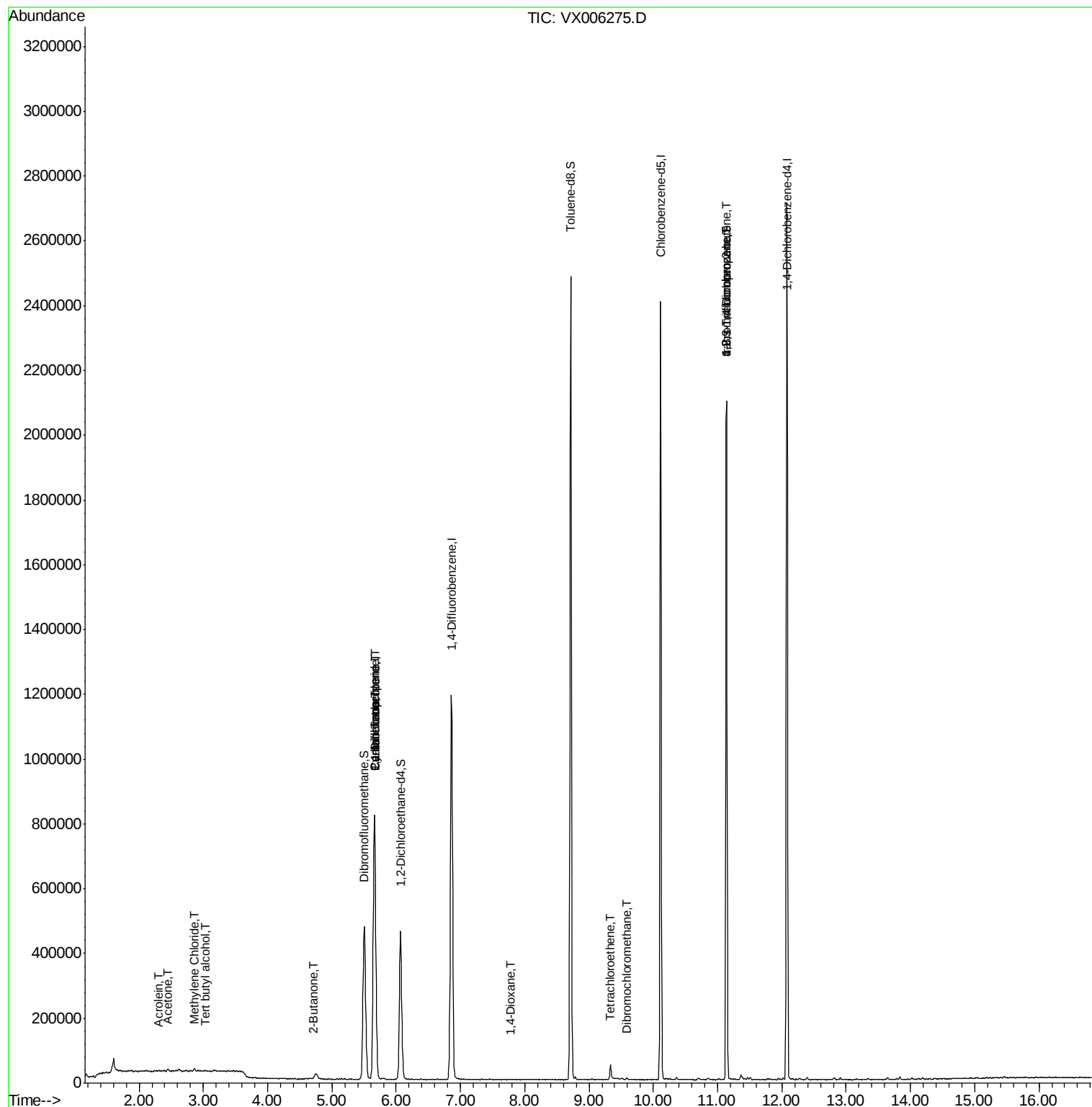
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	710	0.294	ug/l #	1
13) Acrolein	2.29	56	376	0.284	ug/l	97
16) Acetone	2.45	43	7839	1.889	ug/l	93
20) Methylene Chloride	2.86	84	3576	0.405	ug/l #	84
25) 2-Butanone	4.71	43	6197	1.047	ug/l #	73
31) Cyclohexane	5.66	56	12797	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	51972	4.750	ug/l #	49
38) Carbon Tetrachloride	5.66	117	78474	6.096	ug/l #	17
49) 1,4-Dioxane	7.77	88	99	0.404	ug/l #	1
60) Dibromochloromethane	9.59	129	2185	0.202	ug/l	98
64) Tetrachloroethene	9.34	164	4744	0.528	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	258227	22.734	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	258227	53.351	ug/l #	15

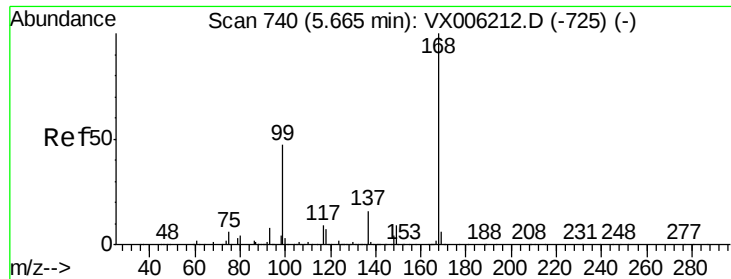
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

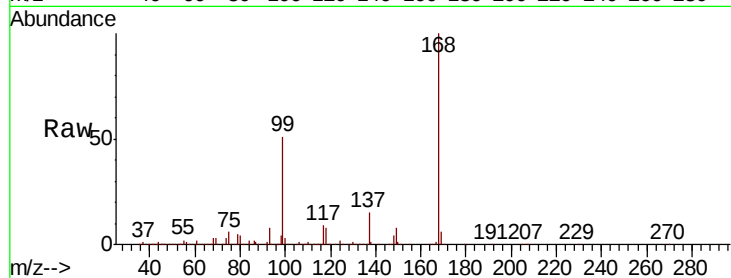
TRIP-BLANK

Tot Ion:168 Resp: 866232

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

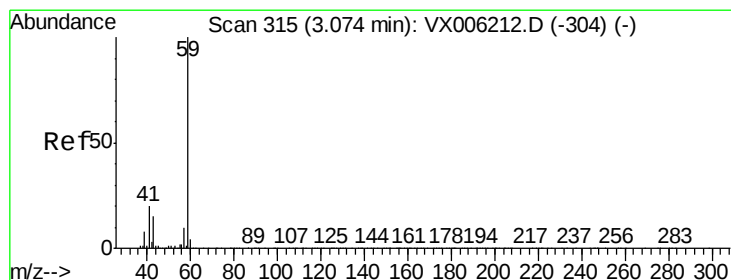
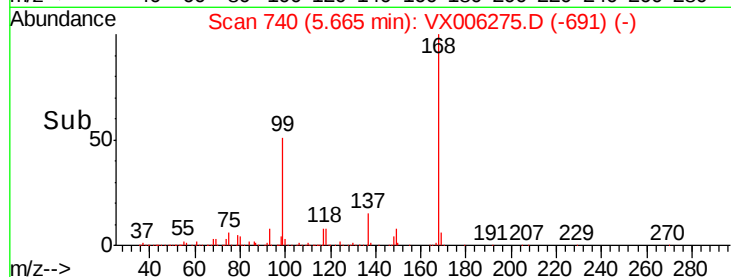
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.294 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX006275.D

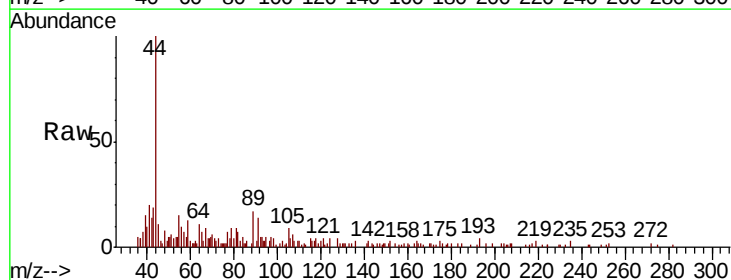
Acq: 04 Dec 2018 13:48

Tgt Ion: 59 Resp: 710

Ion Ratio Lower Upper

59 100

57 51.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

800

600

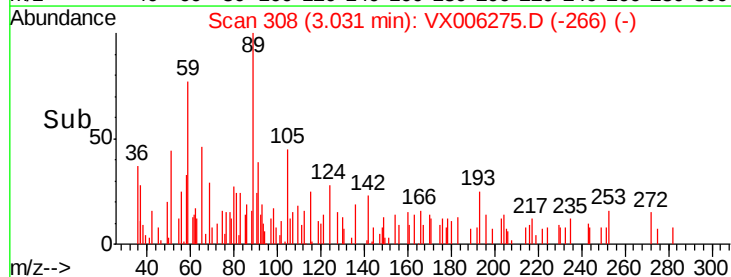
400

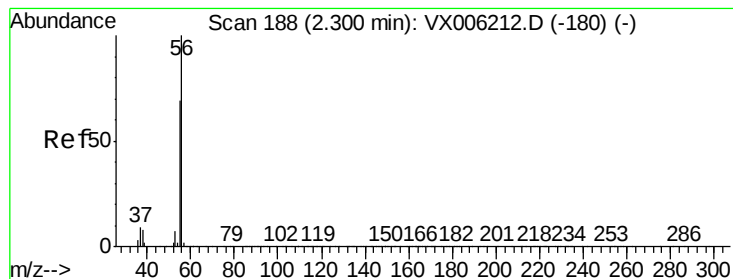
200

0

Time-->

2.98 3.00 3.02 3.04





#13

Acrolein

Concen: 0.284 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

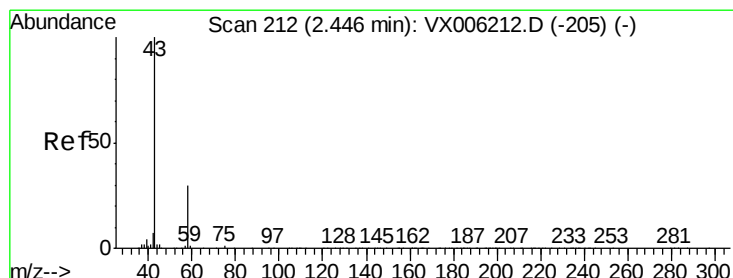
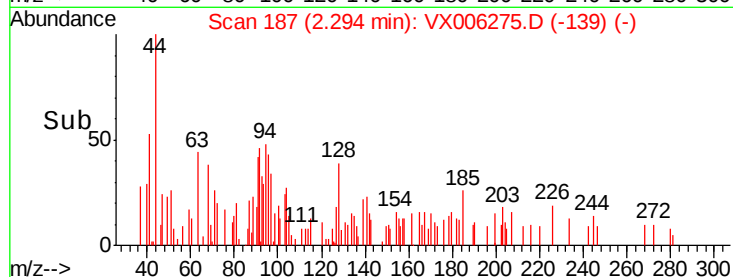
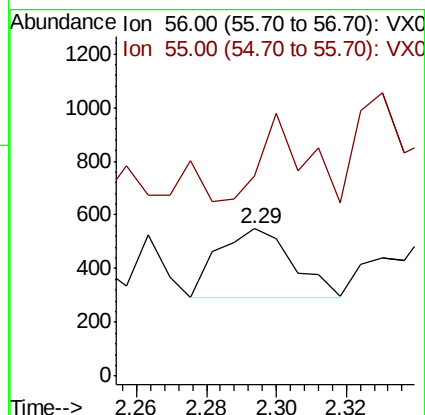
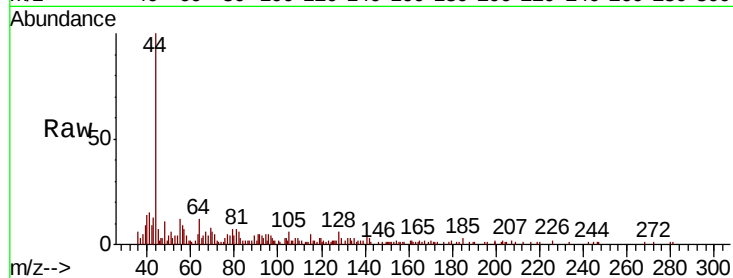
TRIP-BLANK

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 75.0 57.8 86.6



#16

Acetone

Concen: 1.889 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006275.D

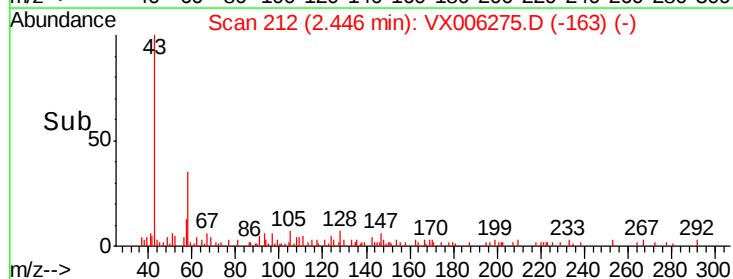
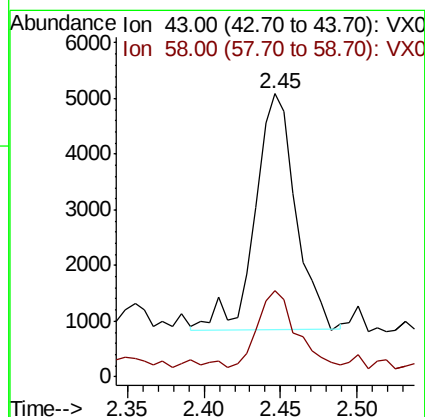
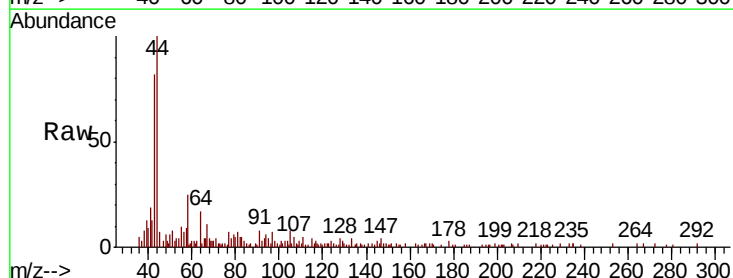
Acq: 04 Dec 2018 13:48

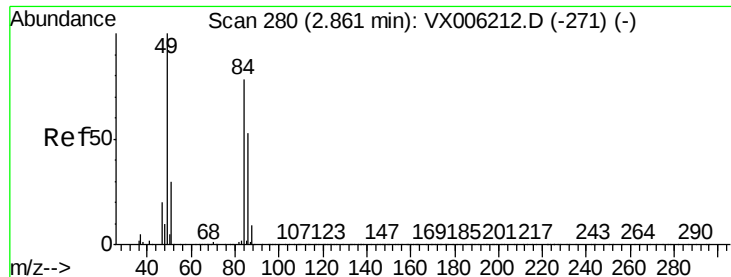
Tgt Ion: 43 Resp: 7839

Ion Ratio Lower Upper

43 100

58 33.7 24.0 36.0

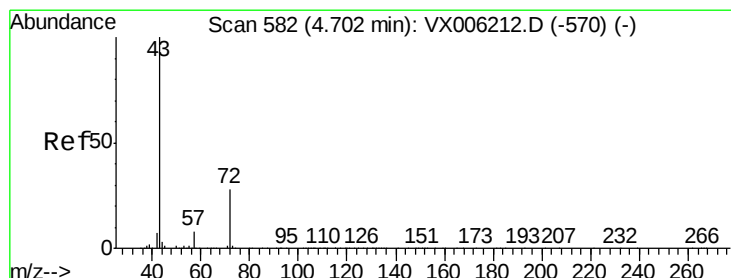
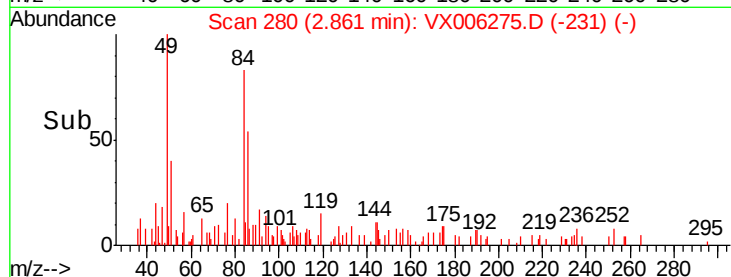
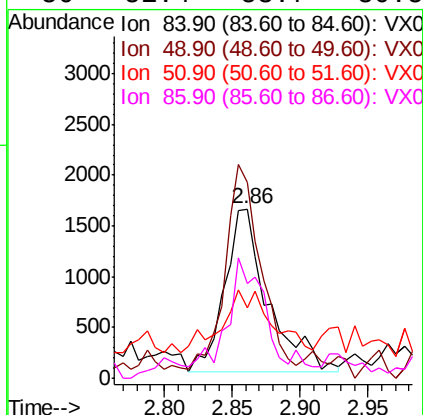
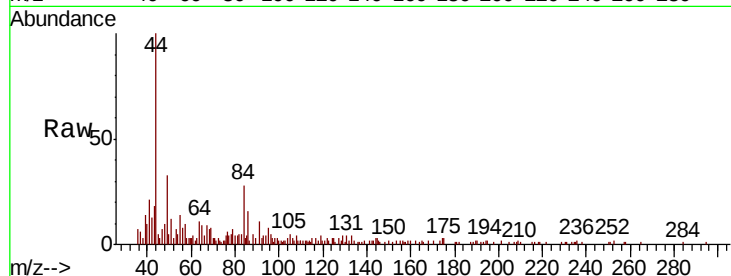




#20
Methvlene Chloride
Concen: 0.405 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

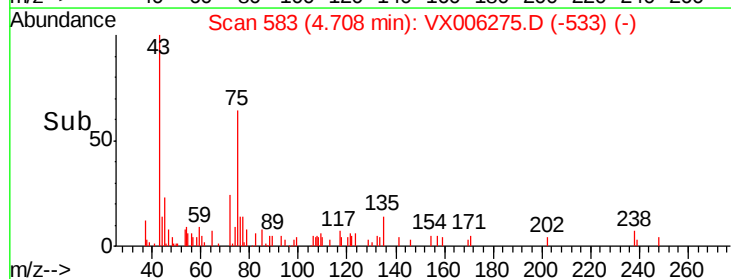
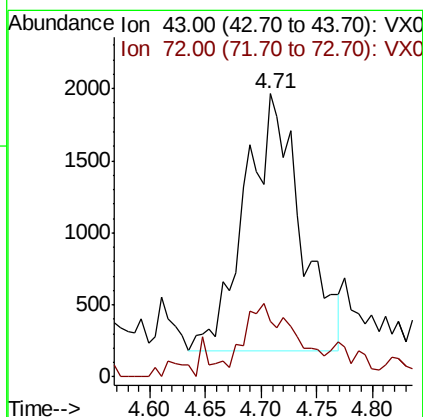
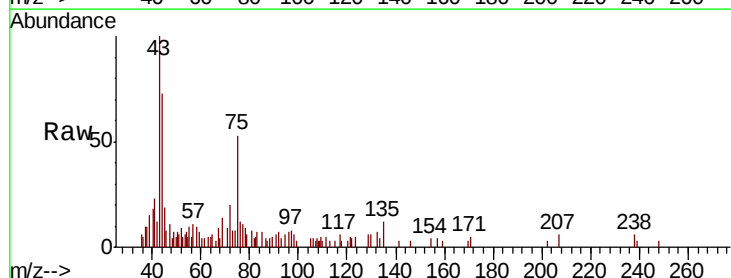
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

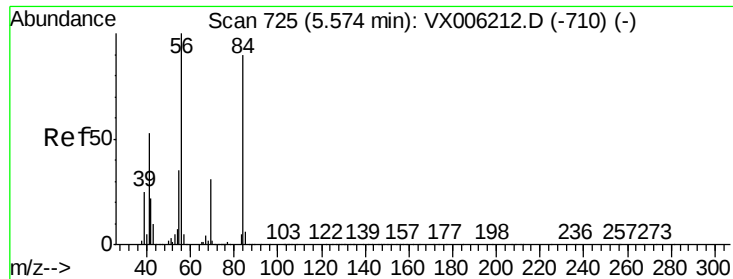
Tot Ion: 84 Resp: 3576
Ion Ratio Lower Upper
84 100
49 114.5 102.2 153.4
51 24.0 31.1 46.7#
86 51.4 53.7 80.5#



#25
2-Butanone
Concen: 1.047 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

Tgt Ion: 43 Resp: 6197
Ion Ratio Lower Upper
43 100
72 14.2 22.6 33.8#

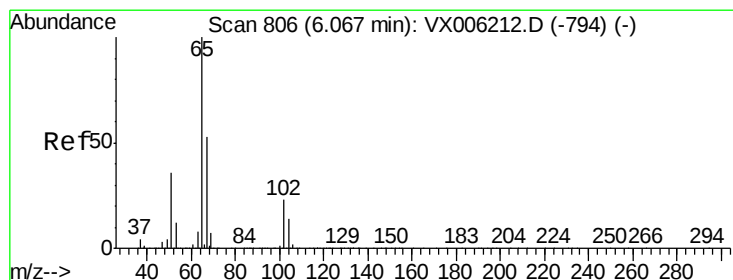
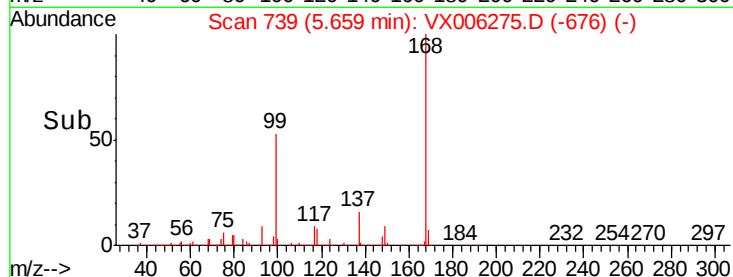
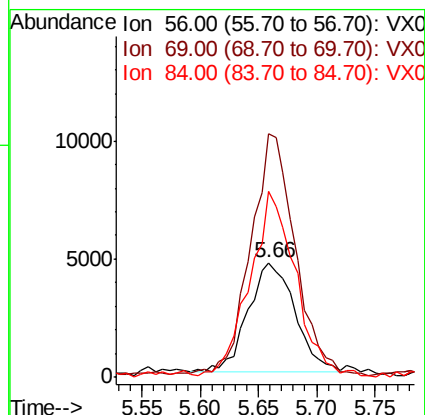
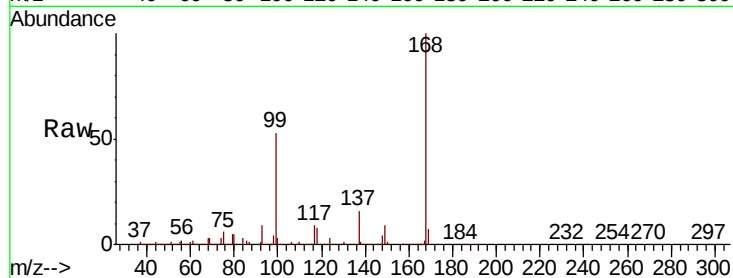




#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

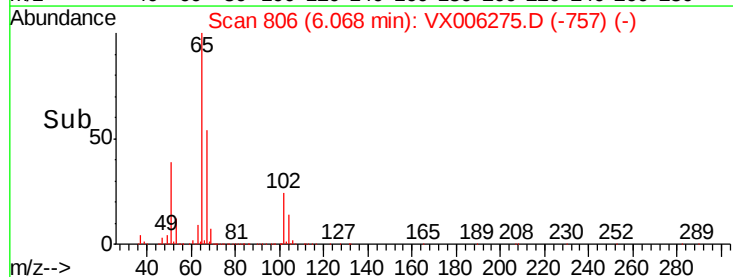
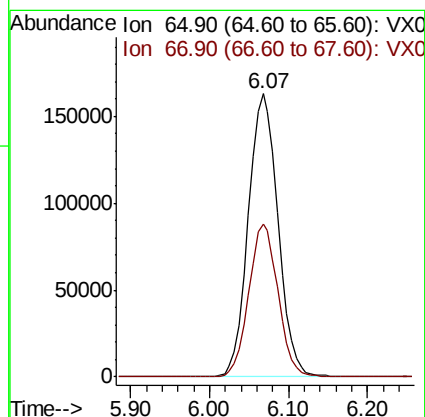
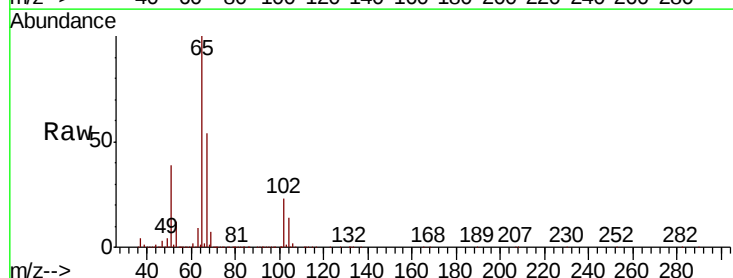
Instrument :
MSVOA_X
ClientSampled :
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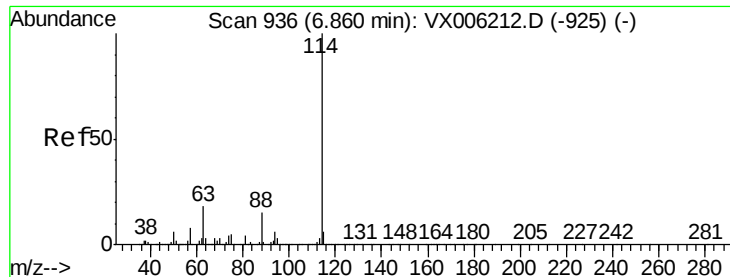
Tot Ion: 56 Resp: 12797
Ion Ratio Lower Upper
56 100
69 219.4 24.5 36.7#
84 168.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.169 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

Tgt Ion: 65 Resp: 425954
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

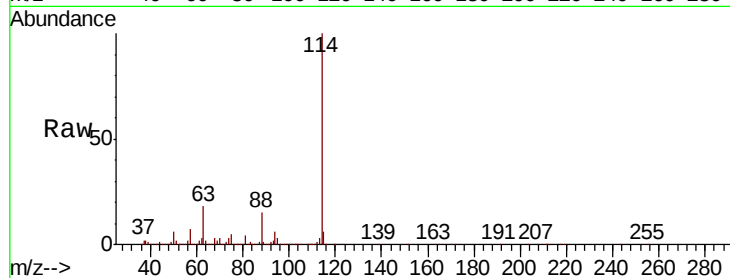
Tot Ion:114 Resp: 1299416

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

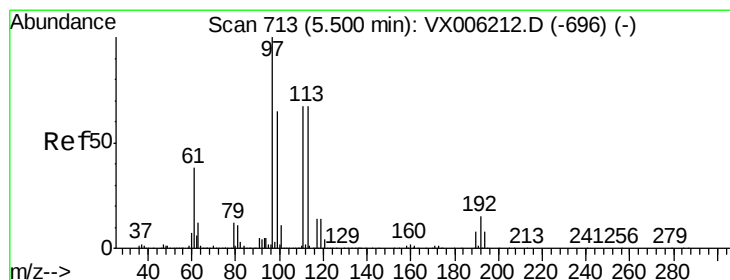
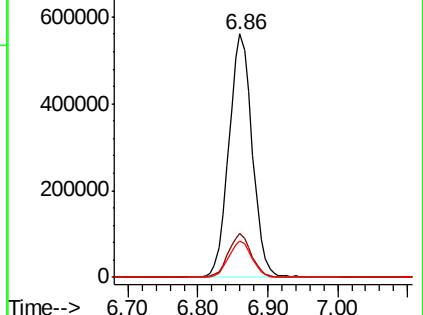
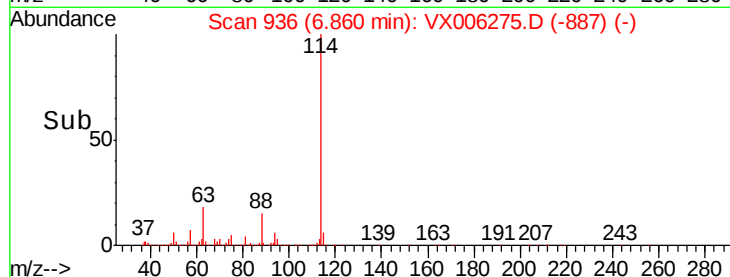
88 14.9 0.0 29.0



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



#35

Dibromofluoromethane

Concen: 49.073 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

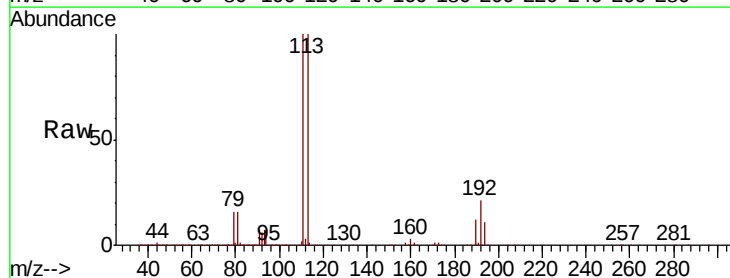
Tgt Ion:113 Resp: 412862

Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

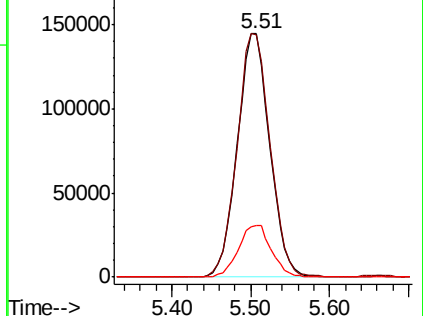
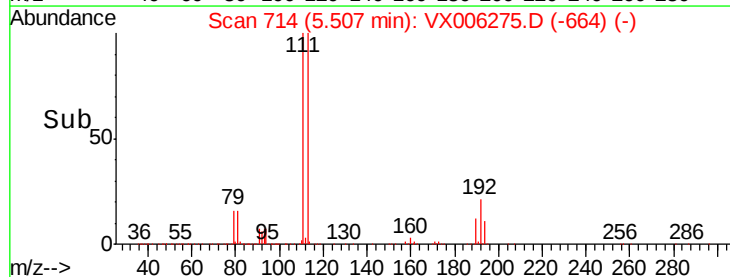
192 21.7 18.2 27.2

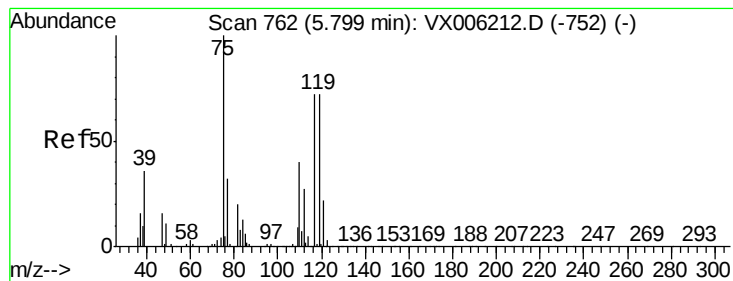


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

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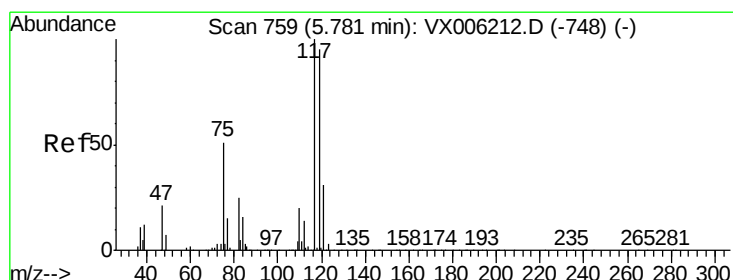
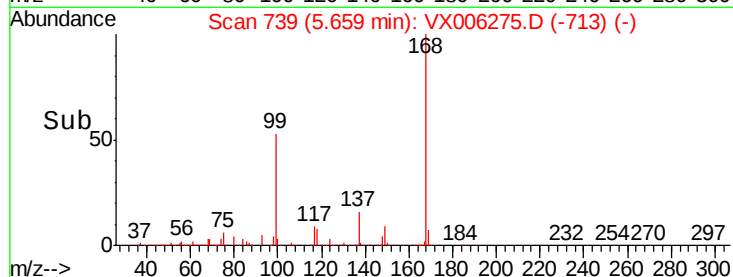
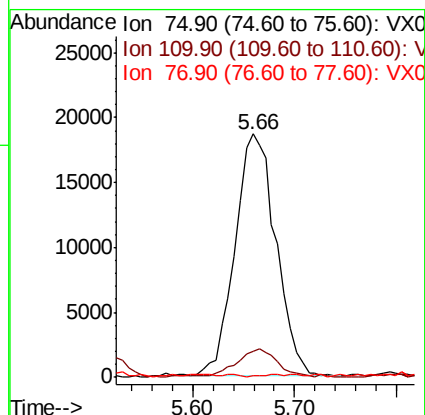
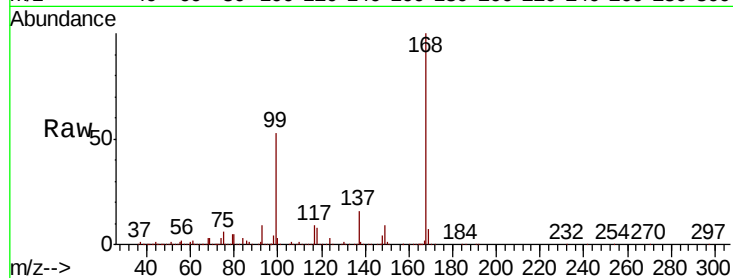
Tot Ion: 75 Resp: 51972

Ion Ratio Lower Upper

75 100

110 11.6 20.4 61.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

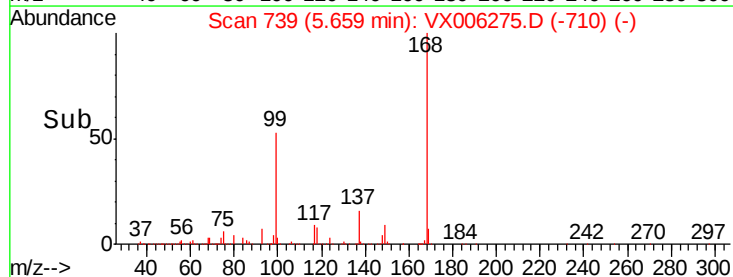
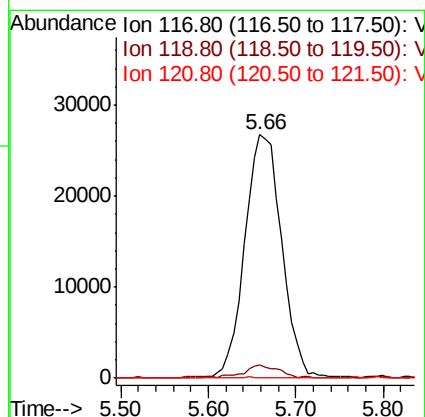
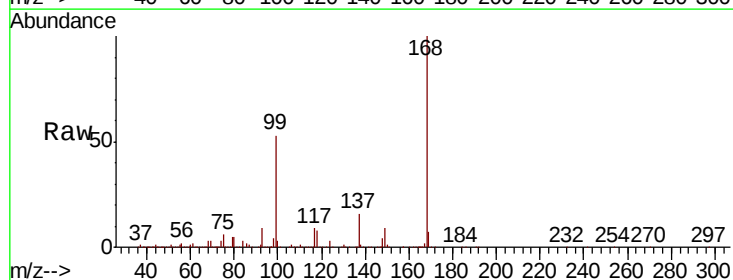
Tgt Ion: 117 Resp: 78474

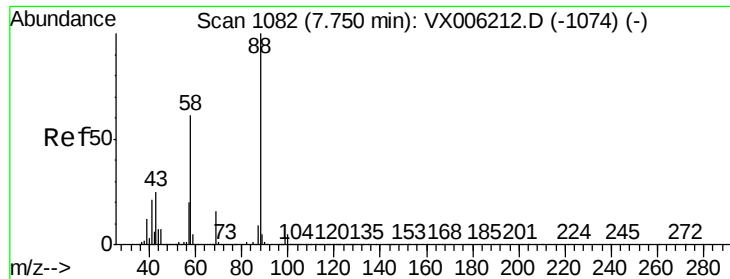
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

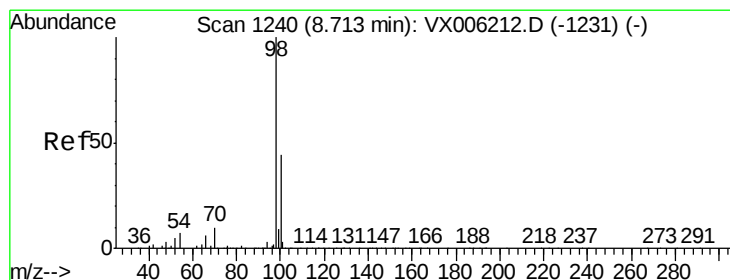
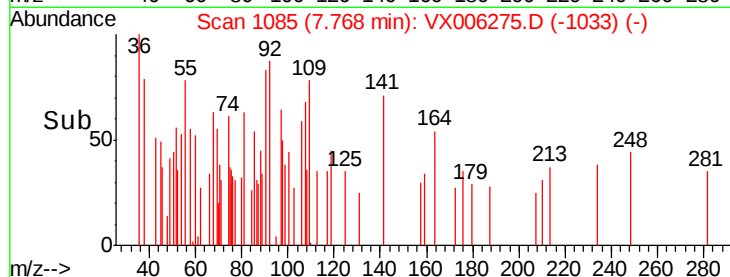
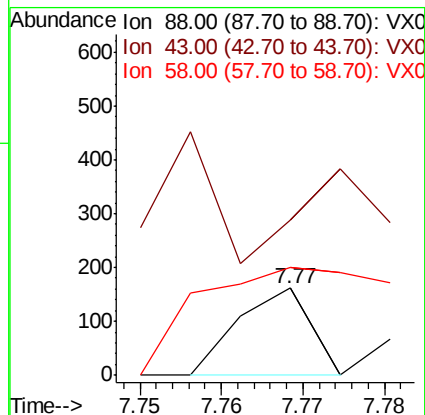
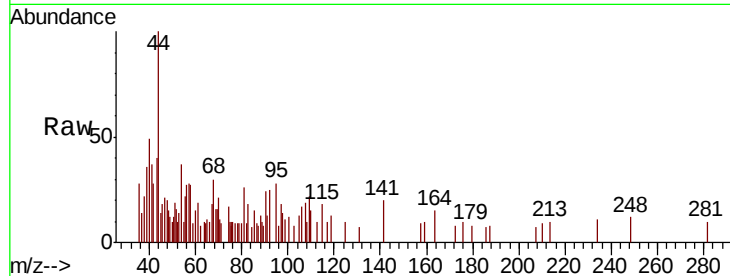
Tot Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 241.4 23.2 34.8#

58 347.5 51.4 77.0#



#50

Toluene-d8

Concen: 49.714 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006275.D

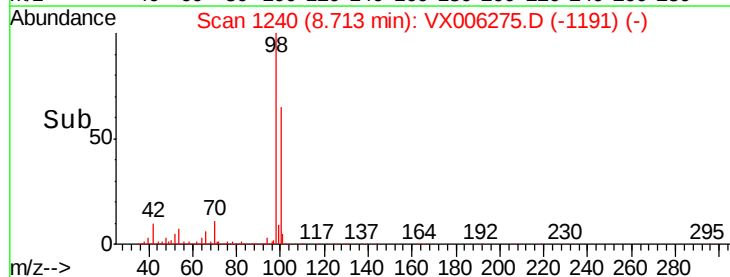
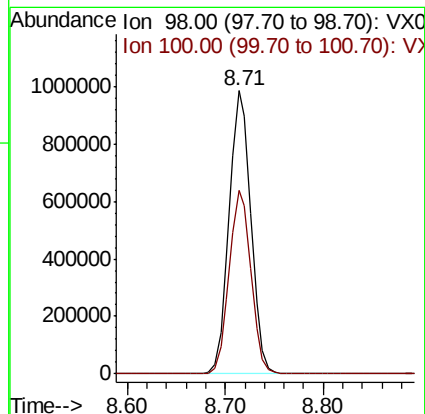
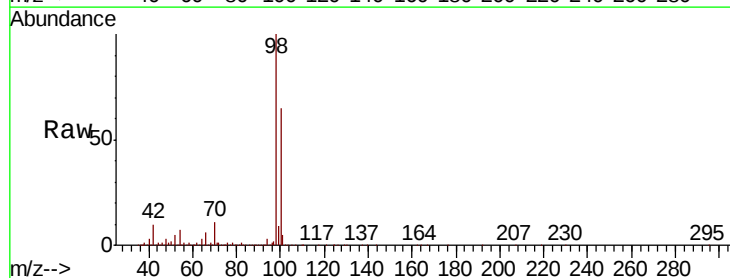
Acq: 04 Dec 2018 13:48

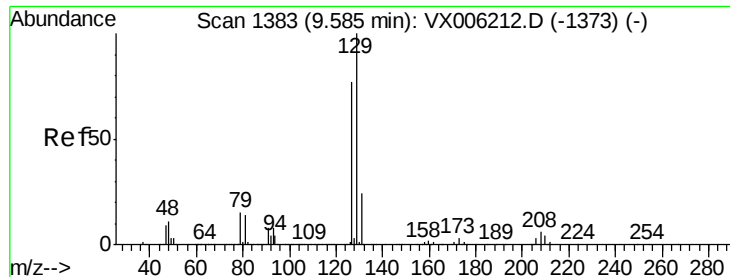
Tgt Ion: 98 Resp: 1521354

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2





#60

Dibromochloromethane

Concen: 0.202 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

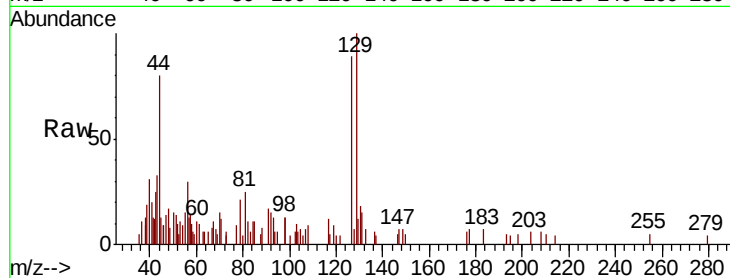
TRIP-BLANK

Tot Ion:129 Resp: 2185

Ion Ratio Lower Upper

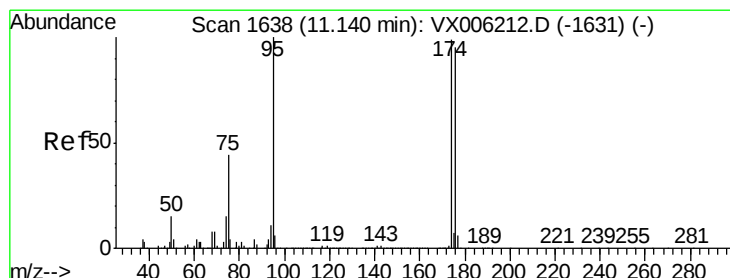
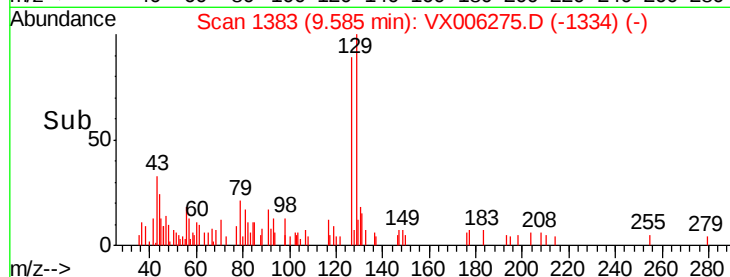
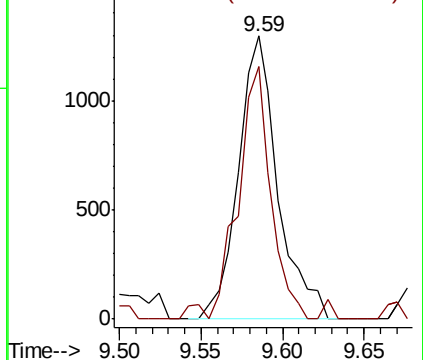
129 100

127 75.4 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.381 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

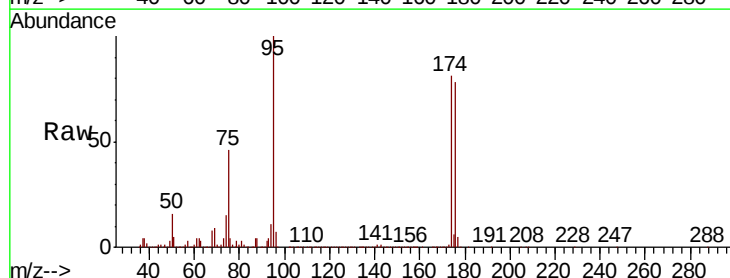
Tgt Ion: 95 Resp: 569455

Ion Ratio Lower Upper

95 100

174 89.1 0.0 187.0

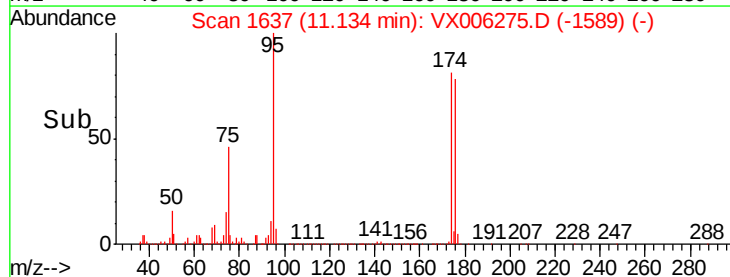
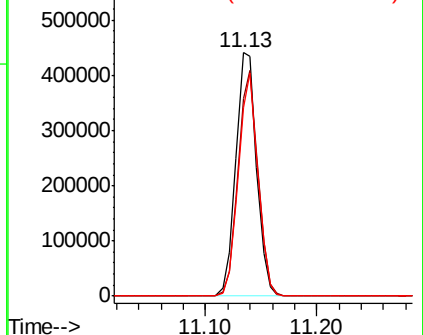
176 86.7 0.0 181.8

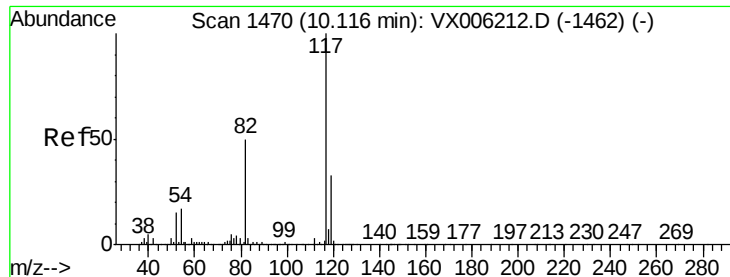


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

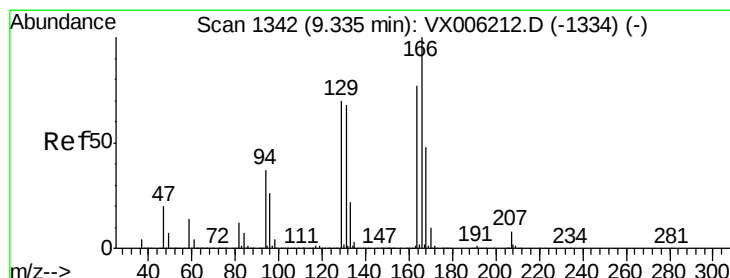
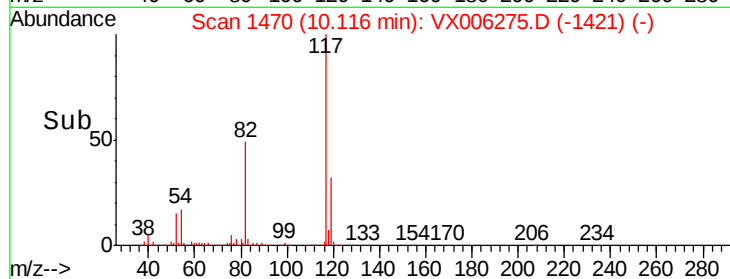
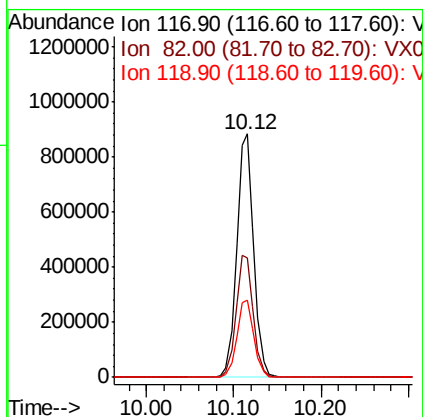
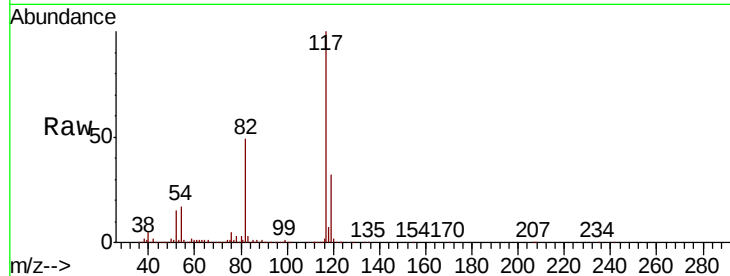




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

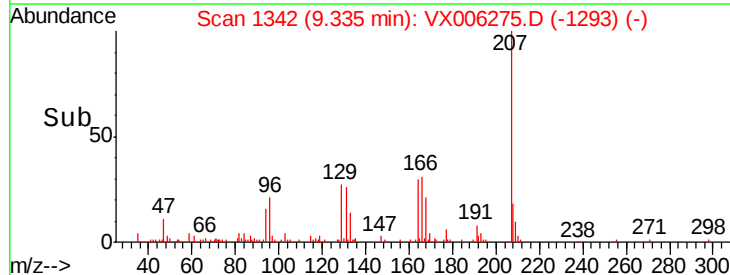
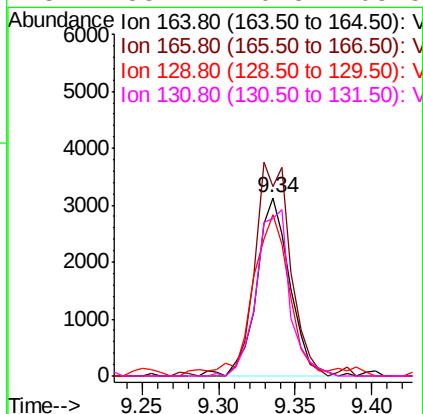
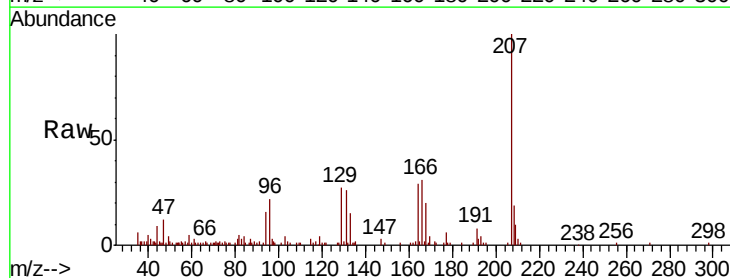
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

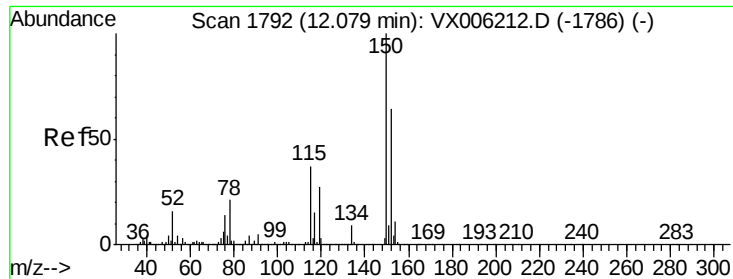
Tot Ion:117 Resp: 1193827
Ion Ratio Lower Upper
117 100
82 48.8 39.6 59.4
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 0.528 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

Tgt Ion:164 Resp: 4744
Ion Ratio Lower Upper
164 100
166 104.9 104.2 156.2
129 87.7 72.6 108.8
131 88.4 70.3 105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006275.D

Acq: 04 Dec 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

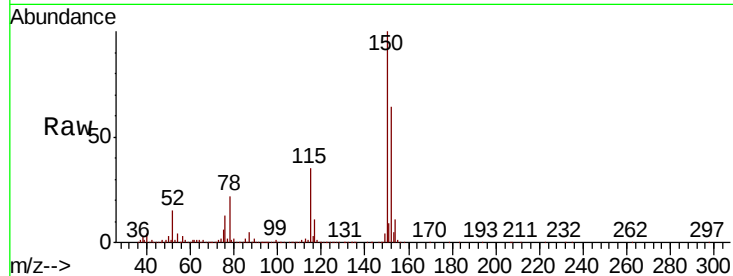
Tot Ion:152 Resp: 588475

Ion Ratio Lower Upper

152 100

115 55.6 39.0 116.9

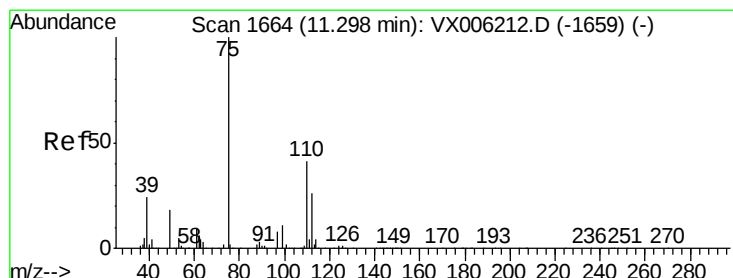
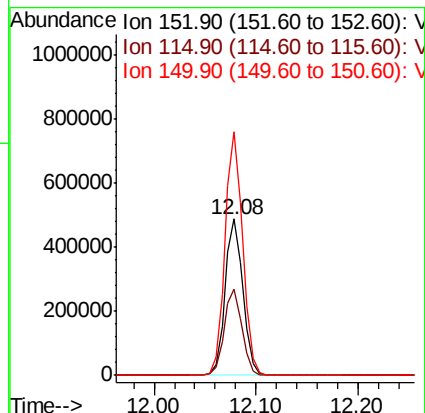
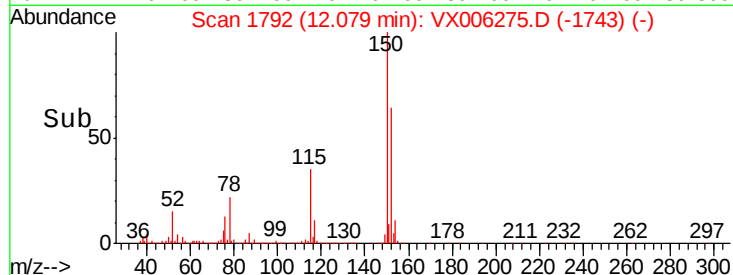
150 155.4 0.0 345.8



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: 22.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006275.D

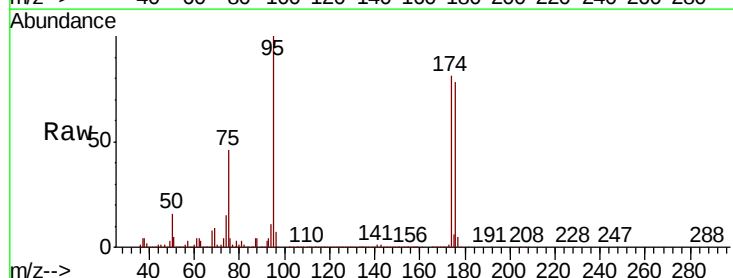
Acq: 04 Dec 2018 13:48

Tgt Ion: 75 Resp: 258227

Ion Ratio Lower Upper

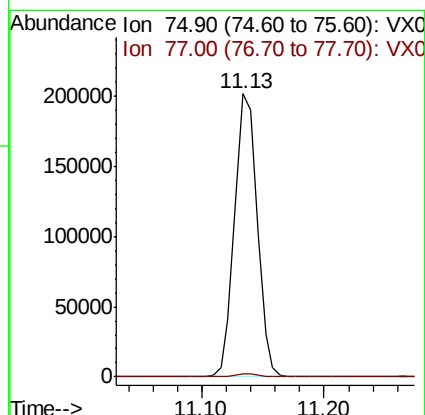
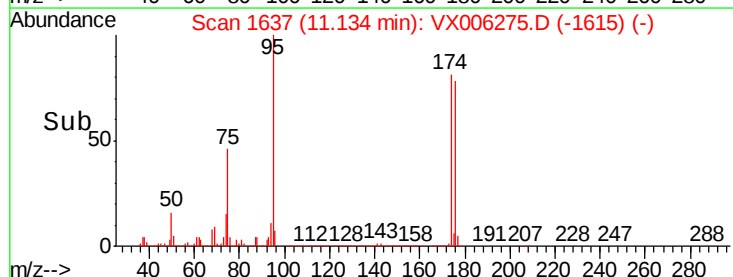
75 100

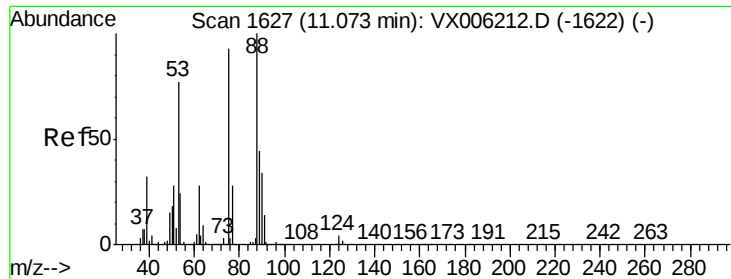
77 1.2 19.9 59.7#



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: 53.351 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006275.D
Acq: 04 Dec 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 75 Resp: 258227
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.4#

