

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003981.D
 Acq On : 10 Aug 2018 17:10
 Operator : JC/MD
 Sample : J4397-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Aug 11 01:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	463299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	424532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	233205	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	207938	51.65	ug/l	0.00
Spiked Amount						
			Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	180520	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
50) Toluene-d8	8.72	98	644726	47.24	ug/l	0.00
Spiked Amount						
			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.14	95	221343	50.12	ug/l	0.00
Spiked Amount						
			Recovery	=	100.24%	

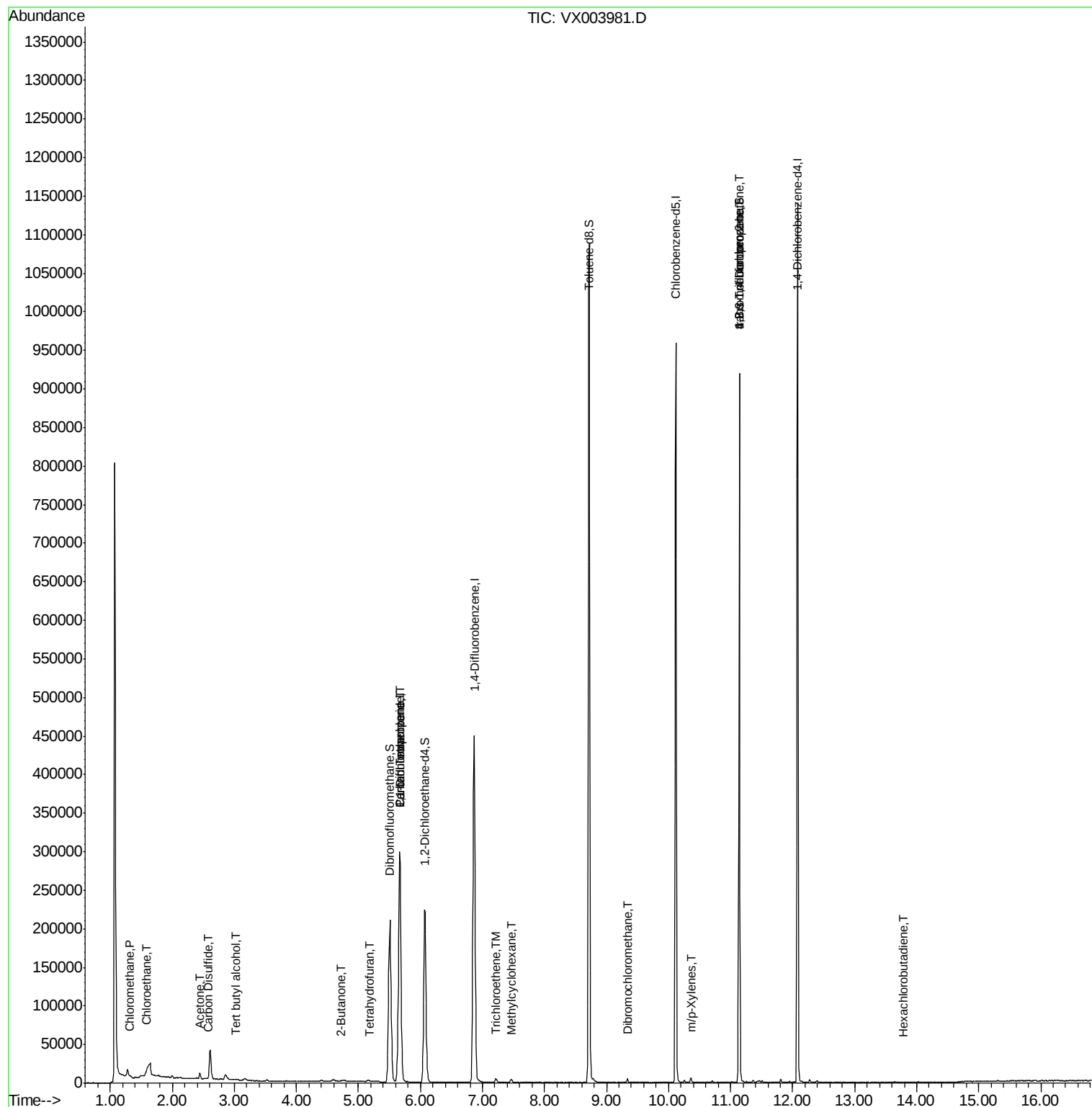
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1103	0.26	ug/l	95
5) Bromomethane	1.64	94	1156	Below	Cal	93
6) Chloroethane	1.58	64	23065	8.63	ug/l #	53
11) Tert butyl alcohol	3.02	59	972	1.00	ug/l #	73
13) Acrolein	2.29	56	202	Below	Cal	99
16) Acetone	2.44	43	7857	3.28	ug/l	94
17) Carbon Disulfide	2.57	76	1140	0.56	ug/l #	94
20) Methylene Chloride	2.86	84	2975	Below	Cal	91
25) 2-Butanone	4.71	43	1117	0.31	ug/l #	82
29) Tetrahydrofuran	5.17	42	1848	1.00	ug/l #	69
36) 1,1-Dichloropropene	5.67	75	20996	4.05	ug/l #	49
38) Carbon Tetrachloride	5.66	117	27221	5.51	ug/l #	16
39) Methylcyclohexane	7.46	83	1513	0.25	ug/l #	90
44) Trichloroethene	7.21	130	2042	0.48	ug/l	94
60) Dibromochloromethane	9.34	129	757	0.20	ug/l #	11
68) m/p-Xylenes	10.36	106	1566	0.22	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	106847	20.74	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	106847	56.14	ug/l #	9
88) 1,4-Dichlorobenzene	12.03	146	486	Below	Cal	92
94) Hexachlorobutadiene	13.79	225	265	0.53	ug/l	77

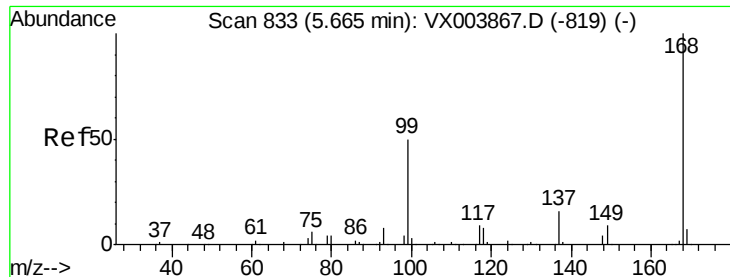
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

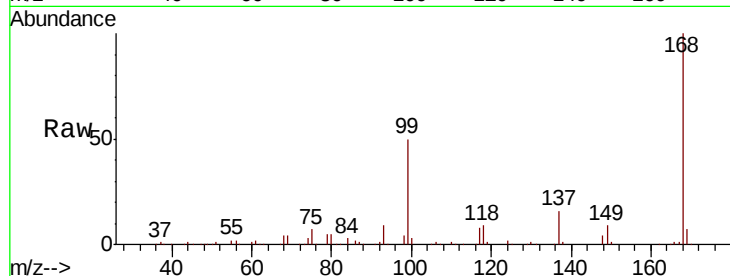
TRIP-BLANK

Tot Ion:168 Resp: 303699

Ion Ratio Lower Upper

168 100

99 50.4 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

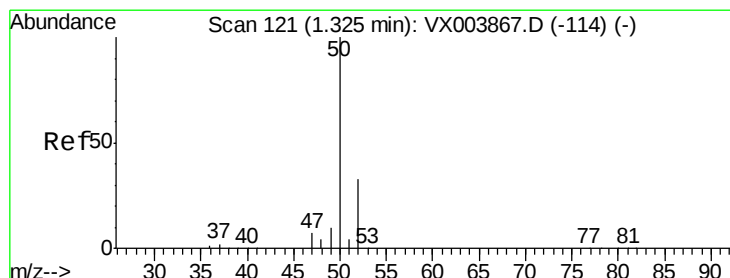
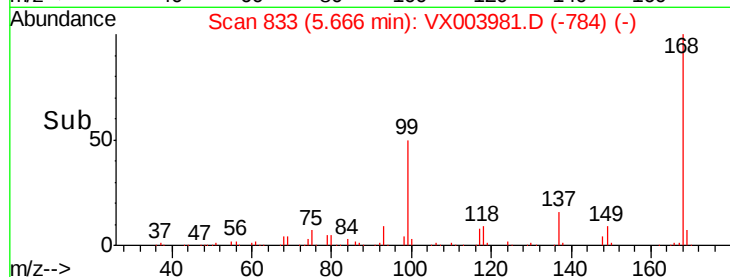
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003981.D

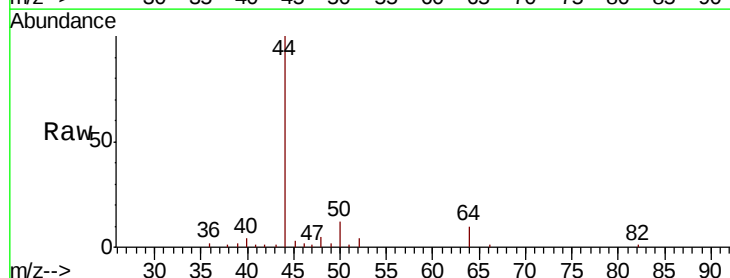
Acq: 10 Aug 2018 17:10

Tgt Ion: 50 Resp: 1103

Ion Ratio Lower Upper

50 100

52 35.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

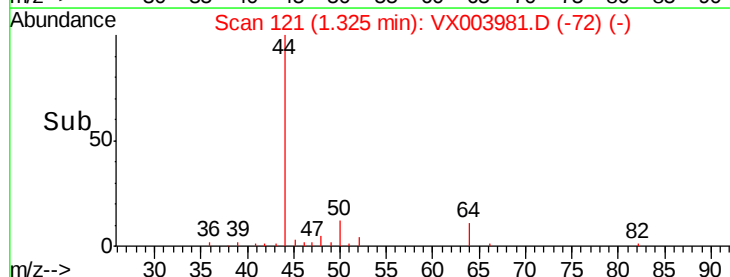
600

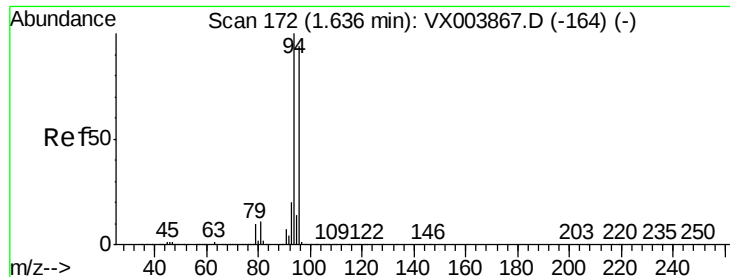
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

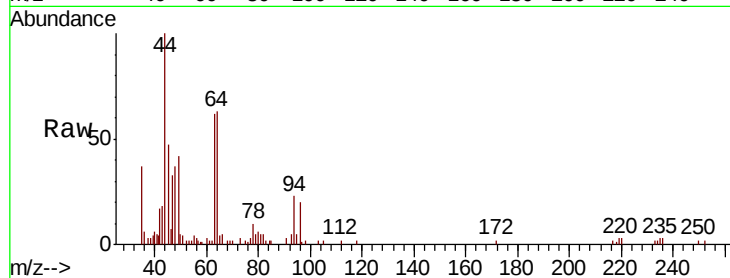
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Tot Ion: 94 Resp: 1156

Ion Ratio Lower Upper

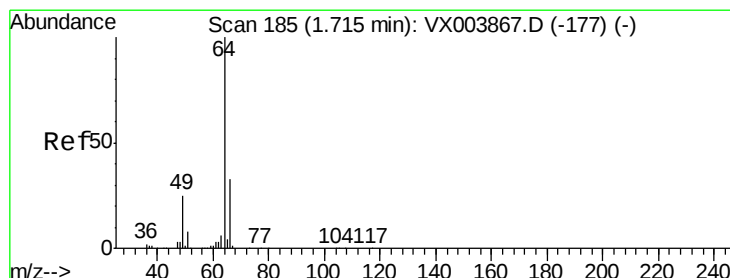
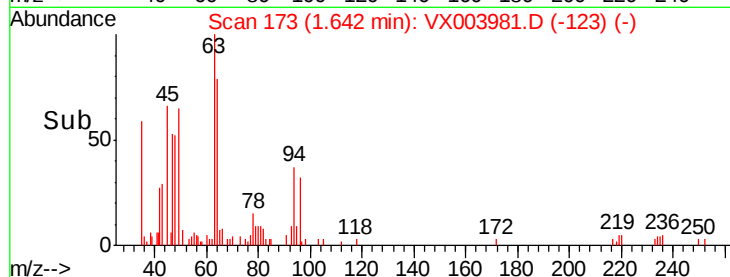
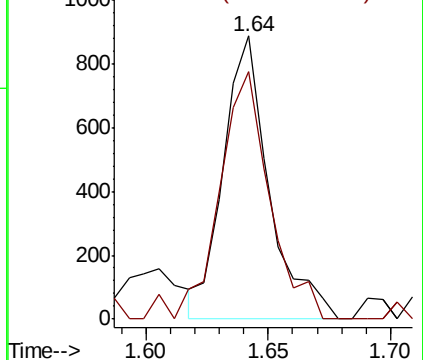
94 100

96 87.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 8.63 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.13 min

Lab File: VX003981.D

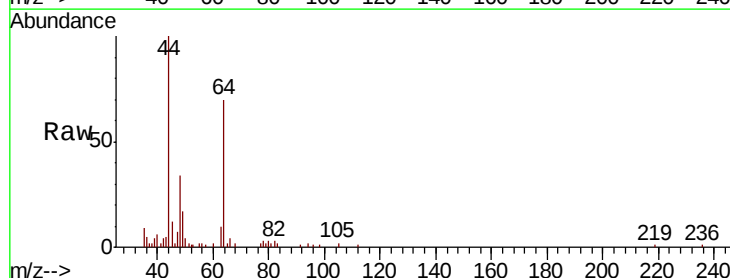
Acq: 10 Aug 2018 17:10

Tgt Ion: 64 Resp: 23065

Ion Ratio Lower Upper

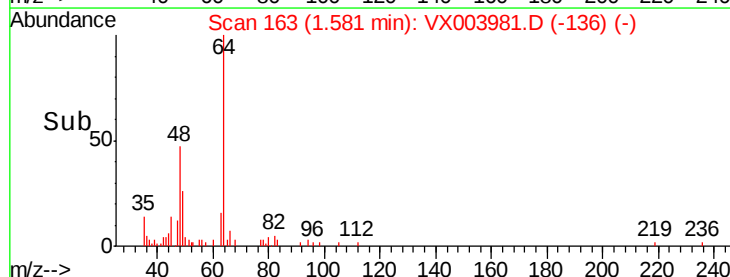
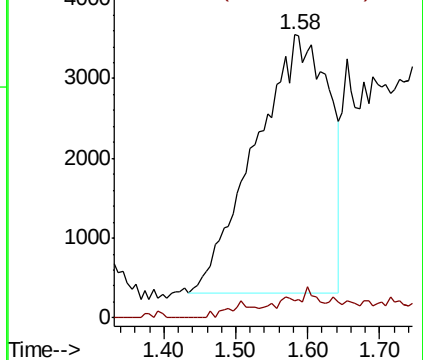
64 100

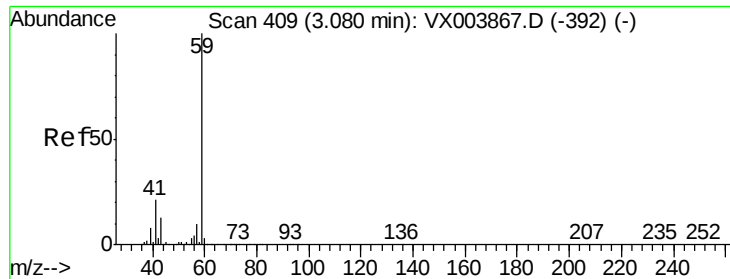
66 6.7 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

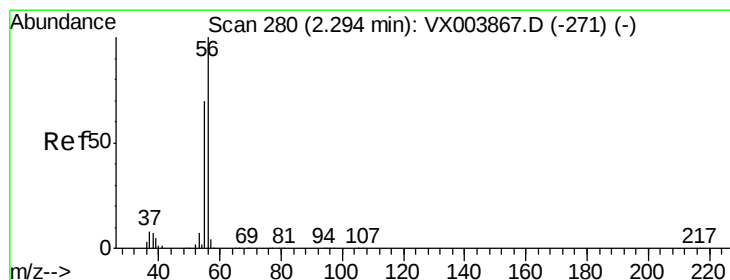
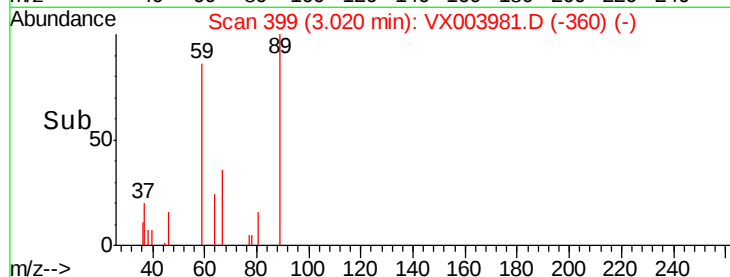
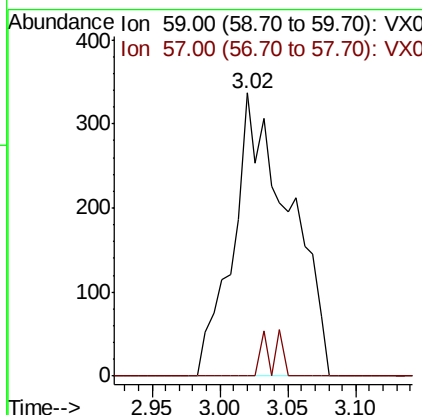
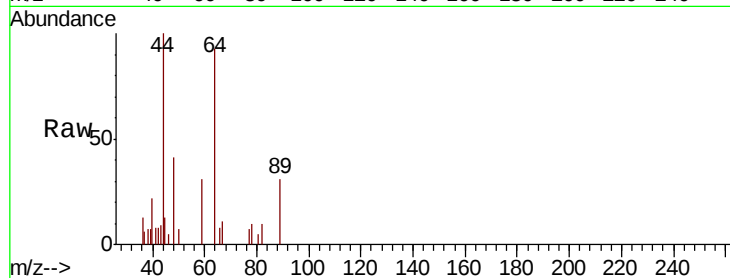




#11
Tert butyl alcohol
Concen: 1.00 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

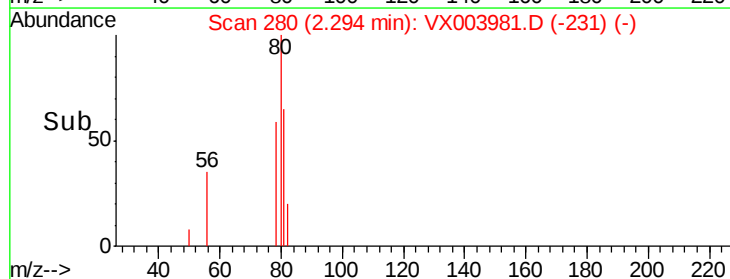
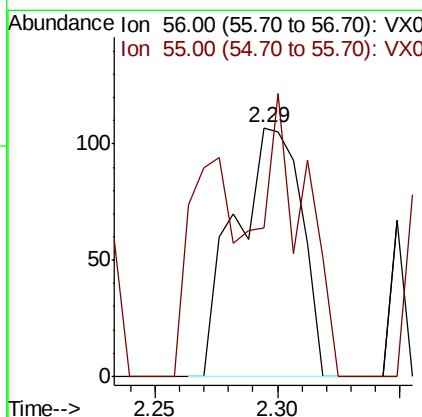
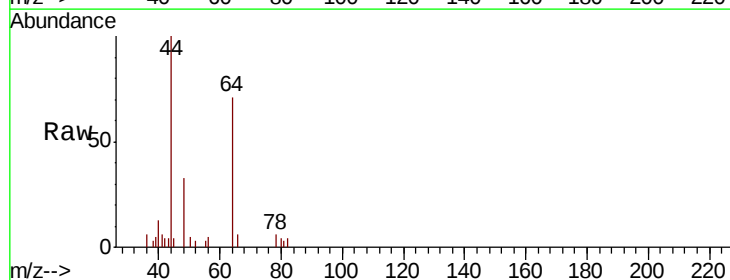
Instrument :
MSVOA_X
ClientSampleId :
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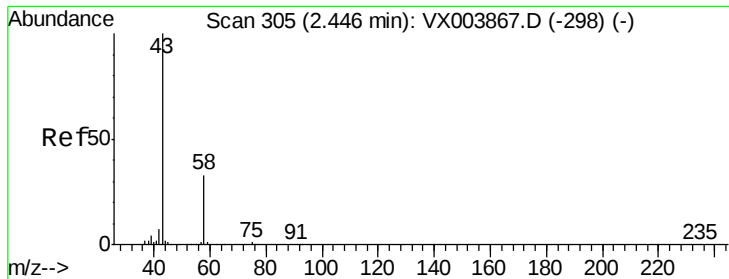
Tot Ion: 59 Resp: 972
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 69.3 56.1 84.1





#16

Acetone

Concen: 3.28 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

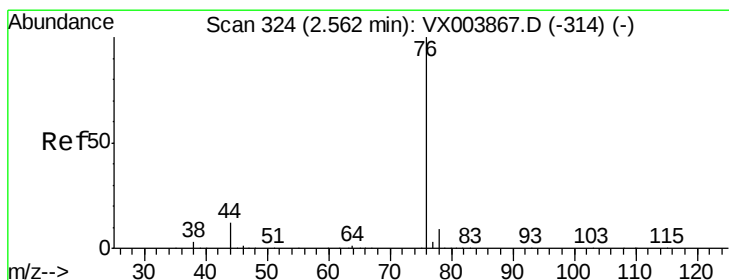
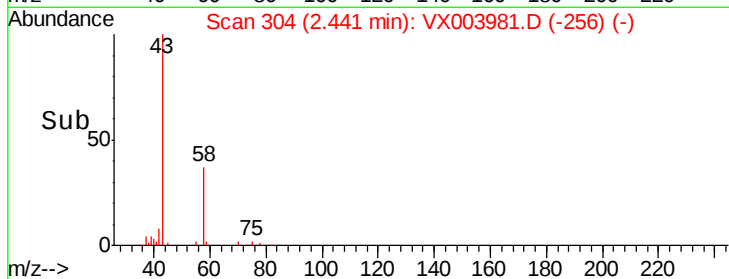
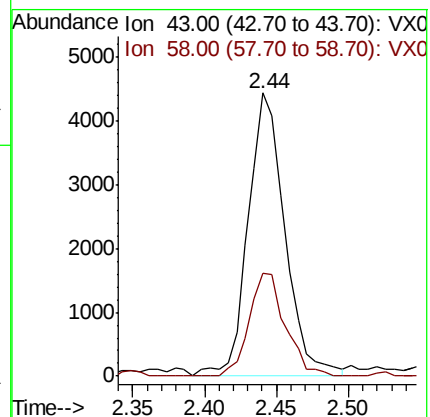
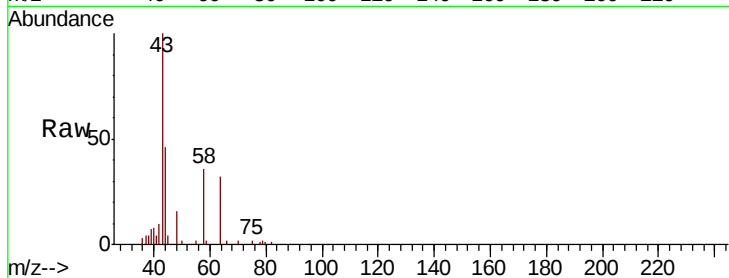
TRIP-BLANK

Tot Ion: 43 Resp: 7857

Ion Ratio Lower Upper

43 100

58 36.2 26.4 39.6



#17

Carbon Disulfide

Concen: 0.56 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003981.D

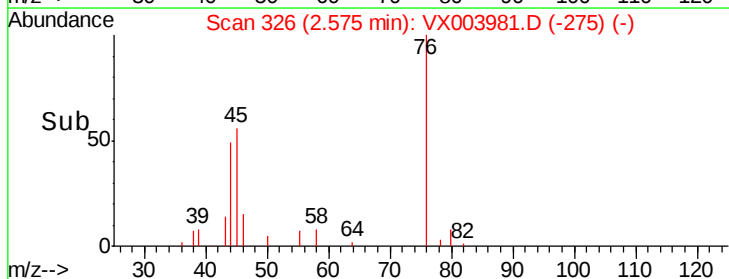
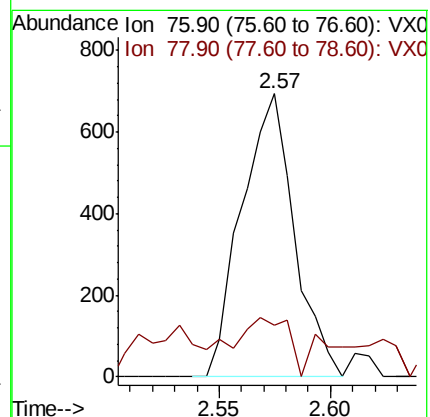
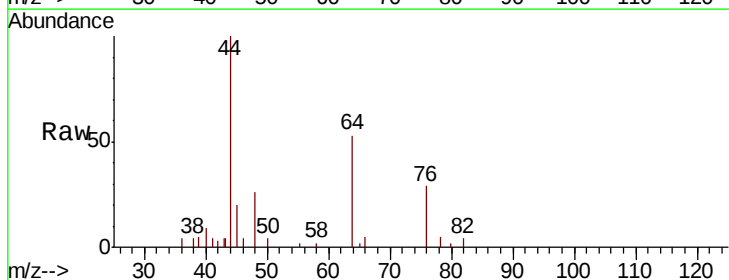
Acq: 10 Aug 2018 17:10

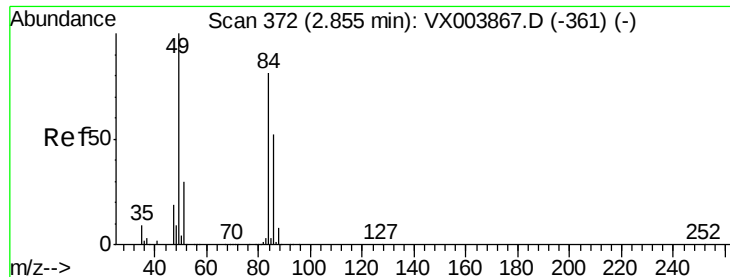
Tgt Ion: 76 Resp: 1140

Ion Ratio Lower Upper

76 100

78 7.4 7.5 11.3#

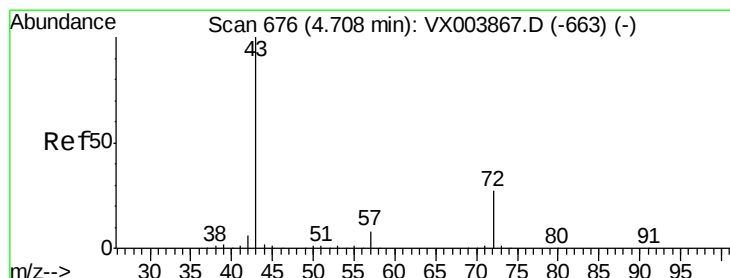
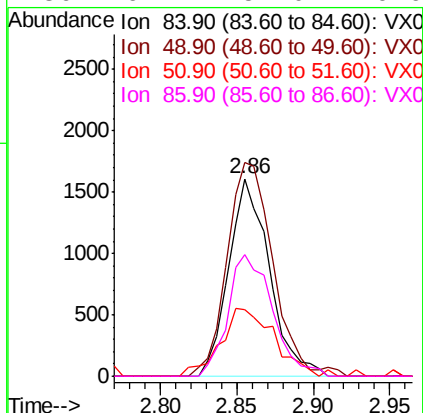
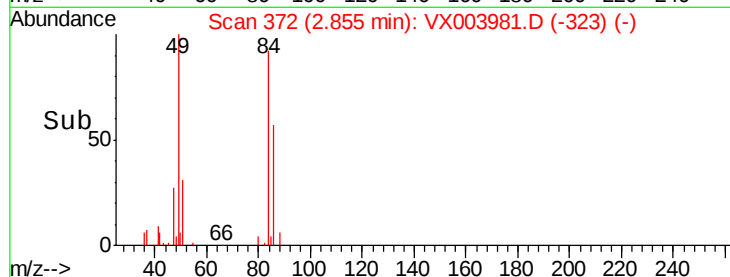
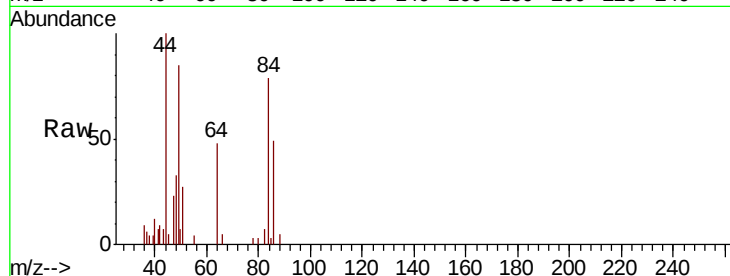




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

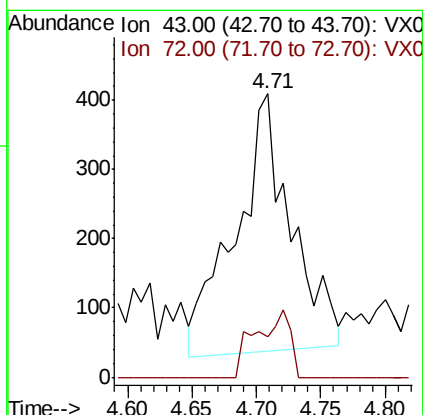
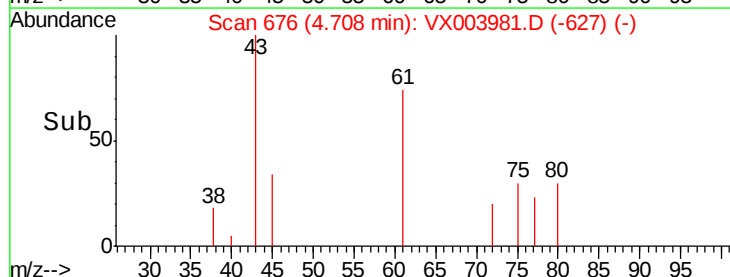
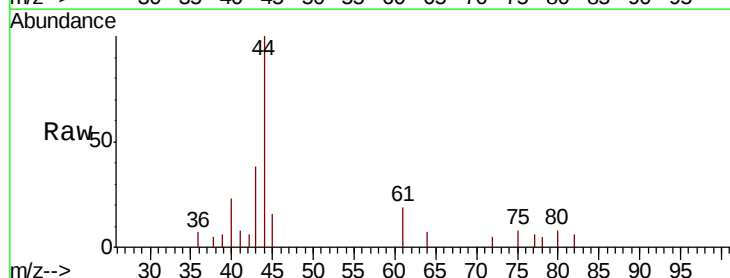
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MSVOA_X
ClientSampleId :
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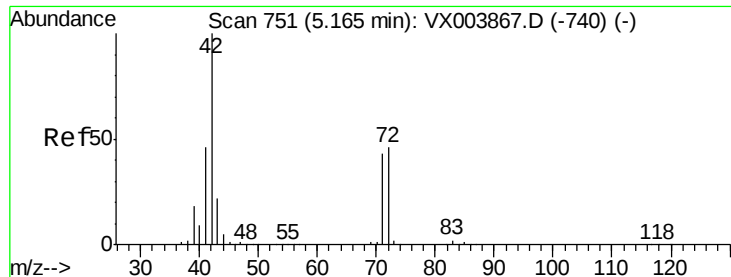
Tot Ion: 84 Resp: 2975
Ion Ratio Lower Upper
84 100
49 108.2 98.9 148.3
51 33.9 29.9 44.9
86 61.4 51.0 76.6



#25
2-Butanone
Concen: 0.31 ug/l
RT: 4.71 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
72 17.3 21.4 32.0#

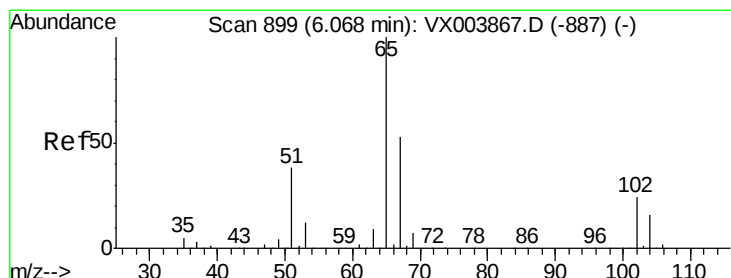
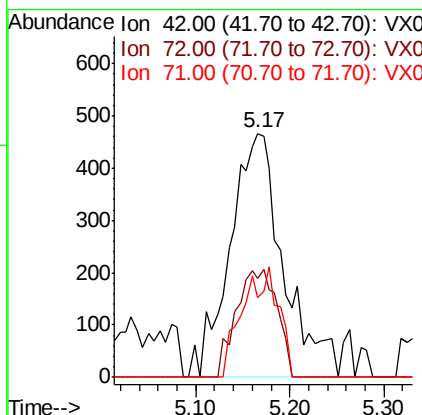
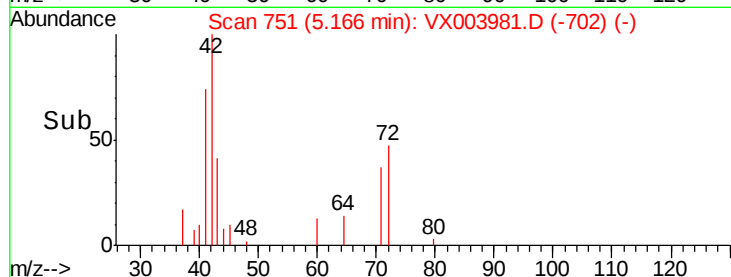
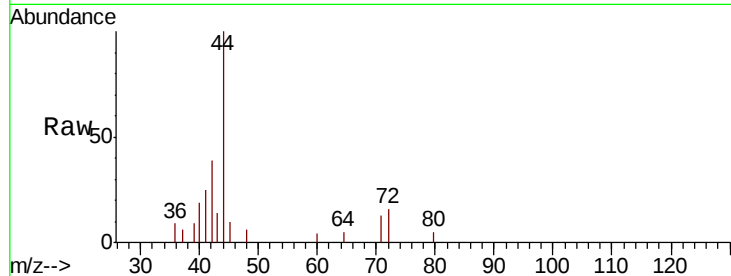




#29
Tetrahydrofuran
Concen: 1.00 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

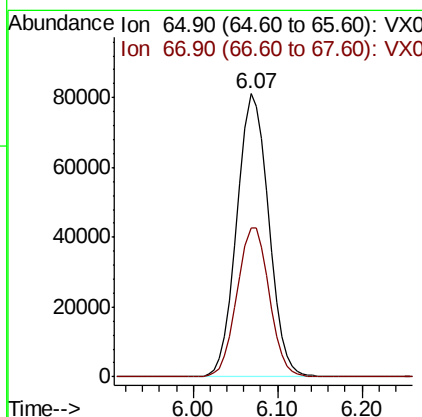
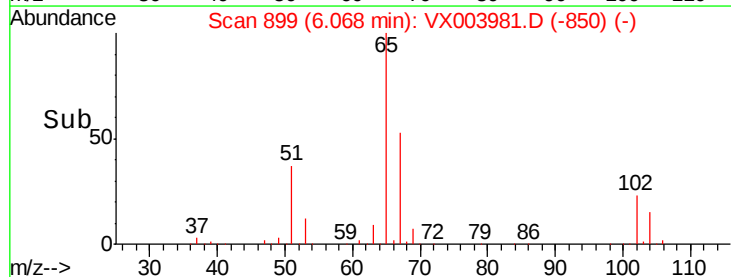
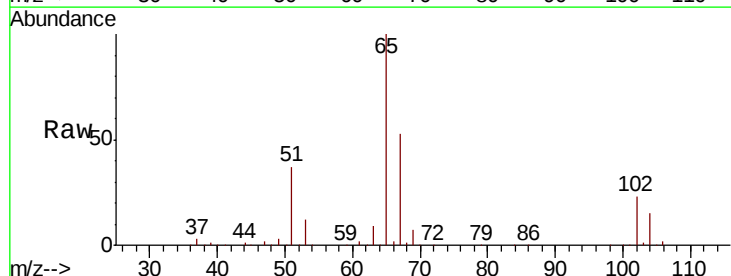
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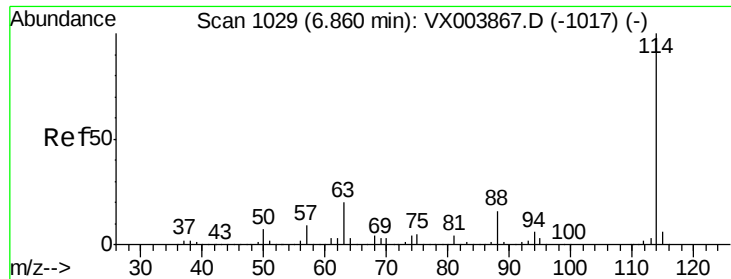
Tot Ion: 42 Resp: 1848
Ion Ratio Lower Upper
42 100
72 33.8 37.7 56.5#
71 15.6 35.0 52.6#



#33
1,2-Dichloroethane-d4
Concen: 51.65 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

Tgt Ion: 65 Resp: 207938
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

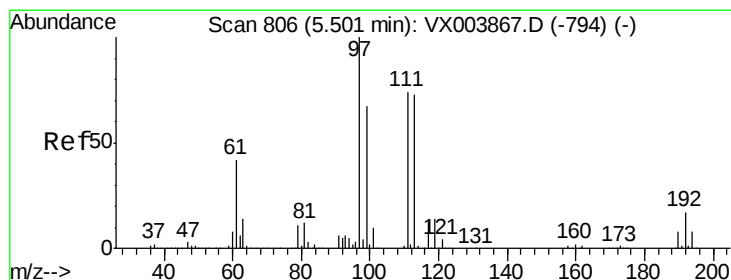
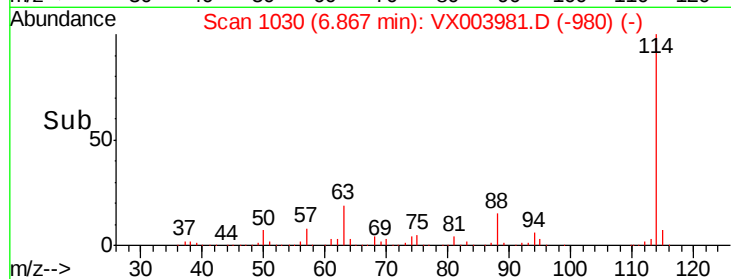
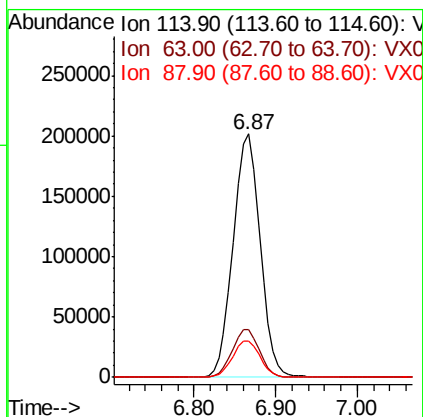
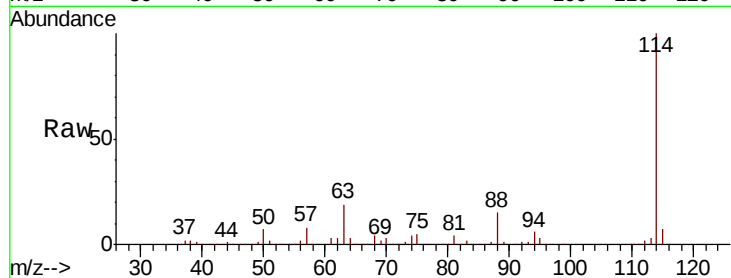




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

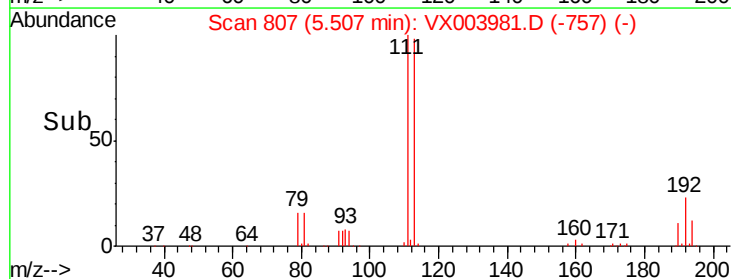
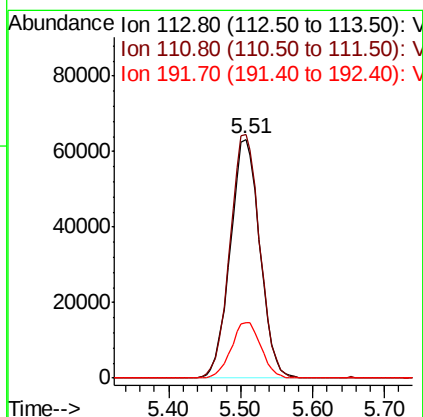
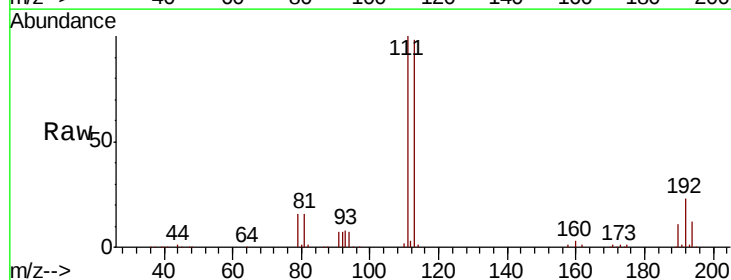
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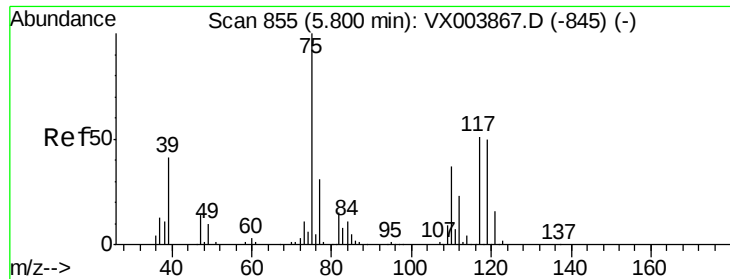
Tot Ion:114 Resp: 463299
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.1 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 51.43 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

Tgt Ion:113 Resp: 180520
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 23.5 19.0 28.4

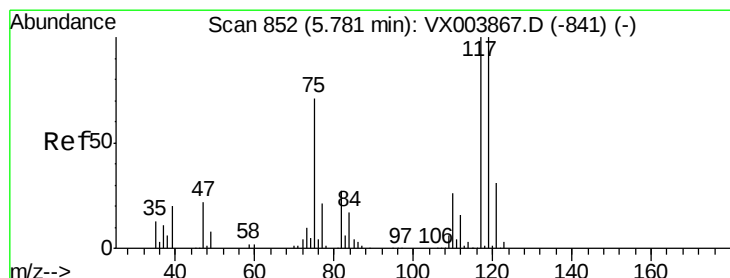
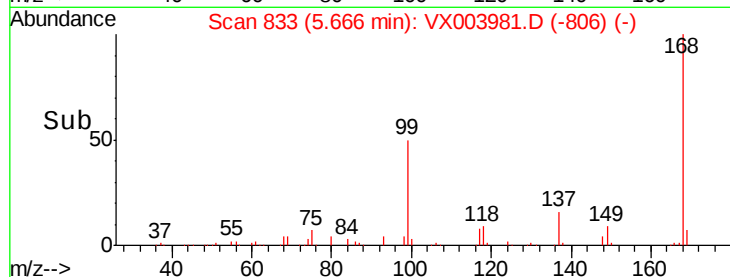
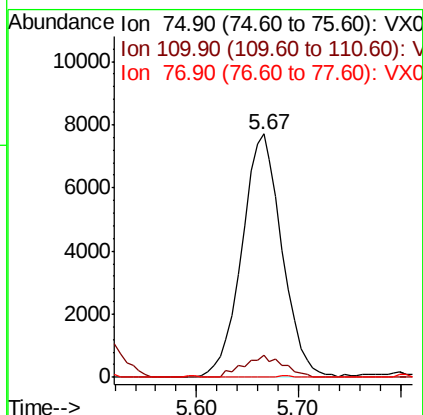
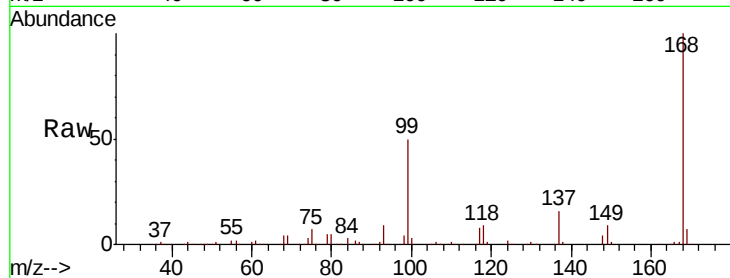




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

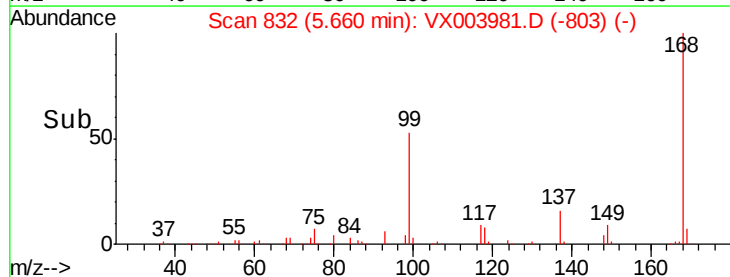
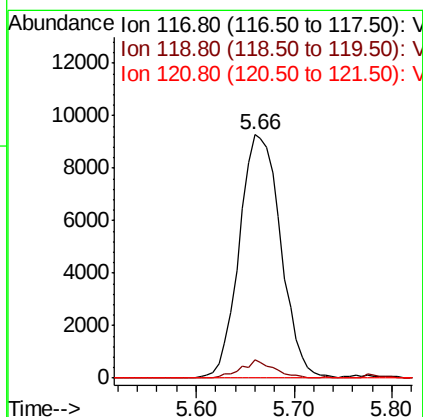
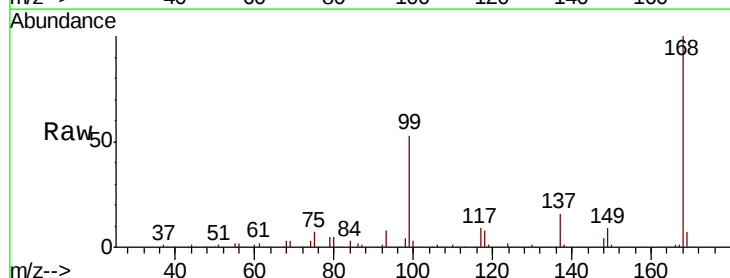
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

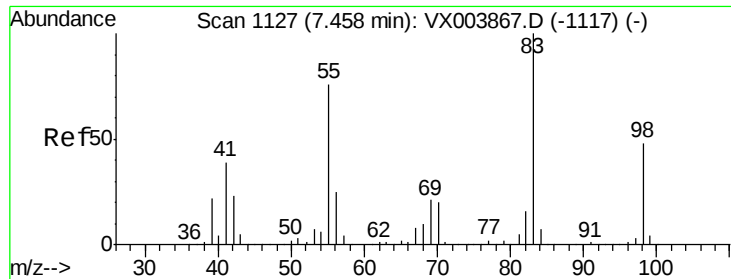
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.2	54.6#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.51 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	79.5	119.3#
121	0.0	25.0	37.4#

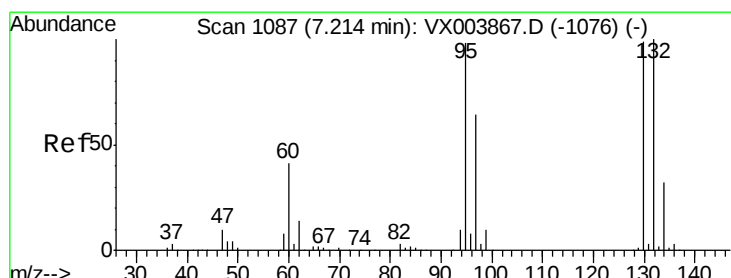
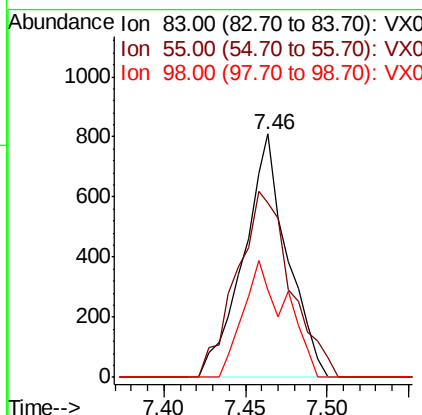
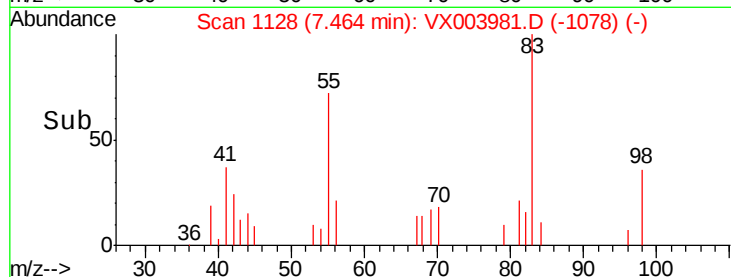
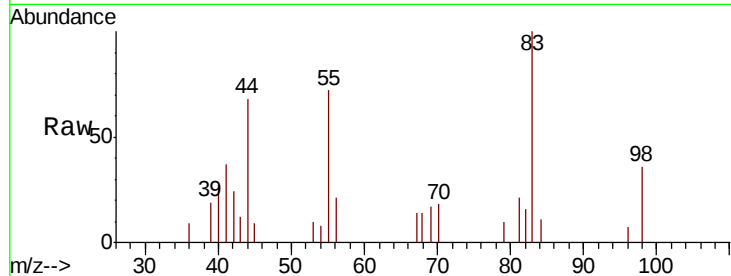




#39
Methylcyclohexane
Concen: 0.25 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

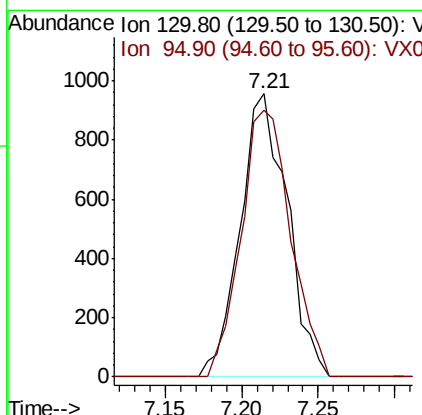
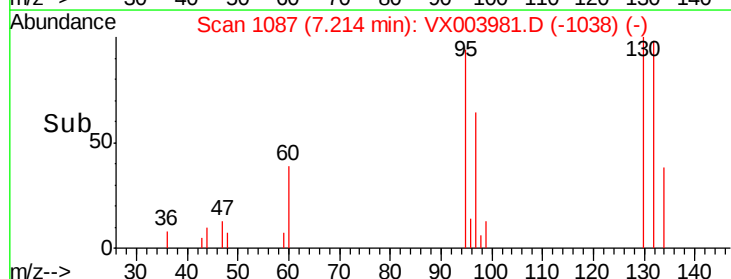
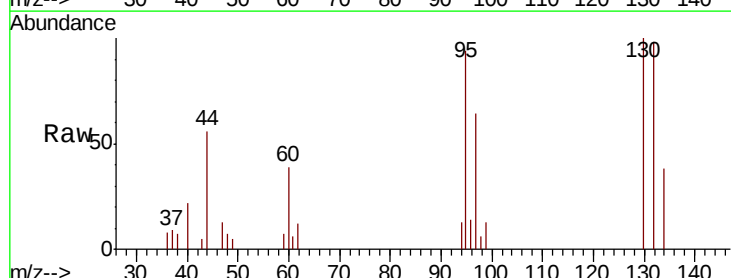
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

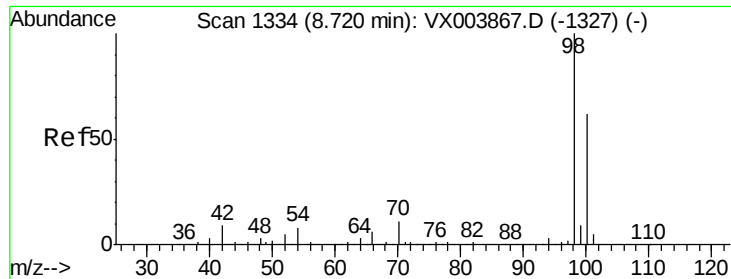
Tot Ion: 83 Resp: 1513
Ion Ratio Lower Upper
83 100
55 71.9 61.0 91.6
98 35.9 38.6 57.8#



#44
Trichloroethene
Concen: 0.48 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

Tgt Ion:130 Resp: 2042
Ion Ratio Lower Upper
130 100
95 94.1 0.0 199.4





#50

Toluene-d8

Concen: 47.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

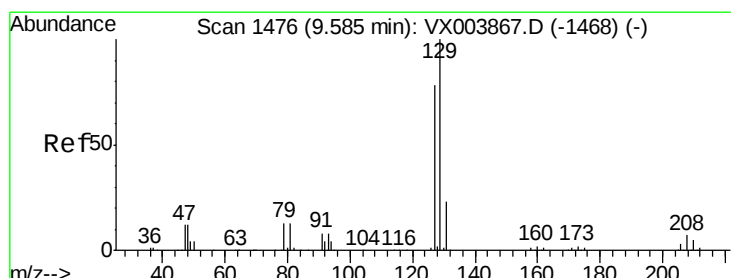
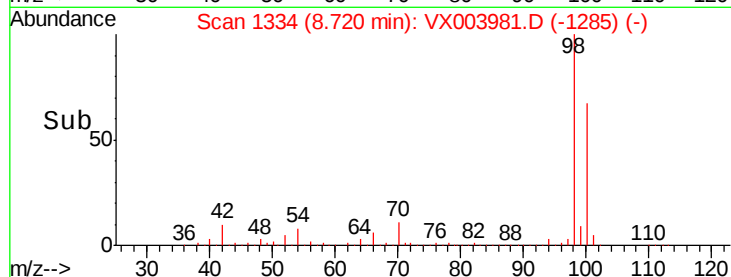
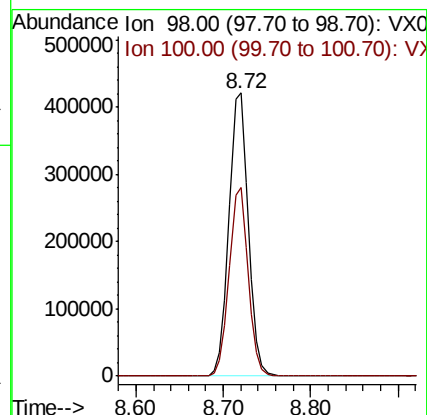
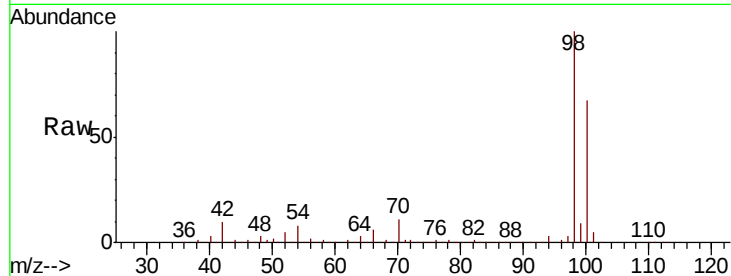
TRIP-BLANK

Tot Ion: 98 Resp: 644726

Ion Ratio Lower Upper

98 100

100 65.8 53.3 79.9



#60

Dibromochloromethane

Concen: 0.20 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX003981.D

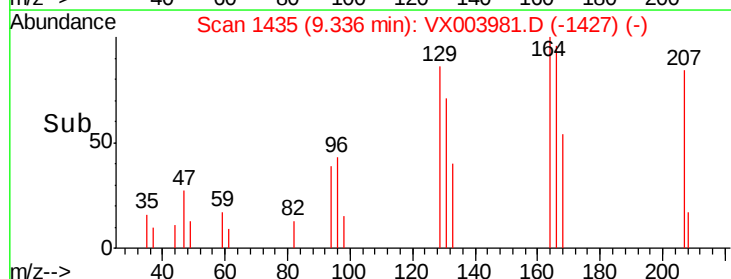
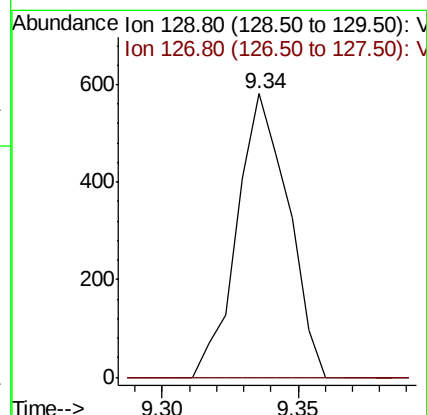
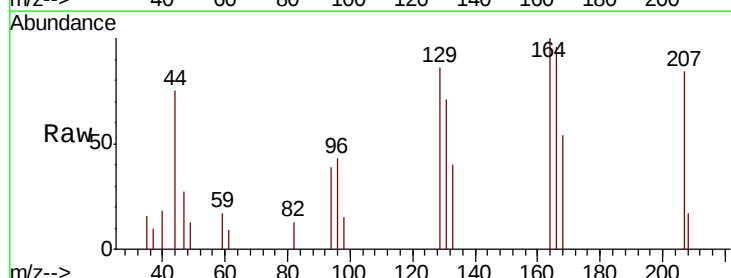
Acq: 10 Aug 2018 17:10

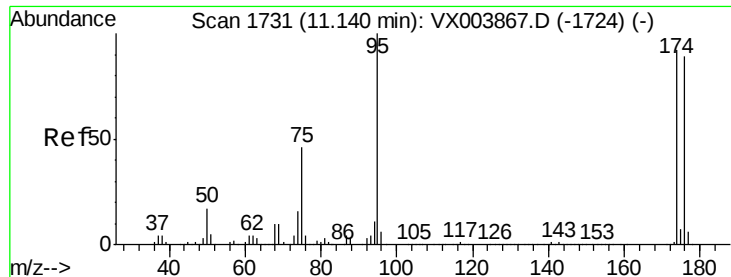
Tgt Ion: 129 Resp: 757

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#

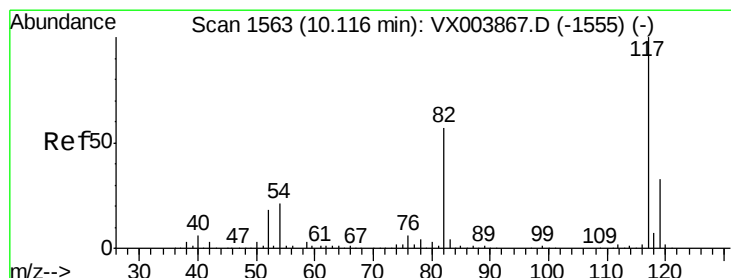
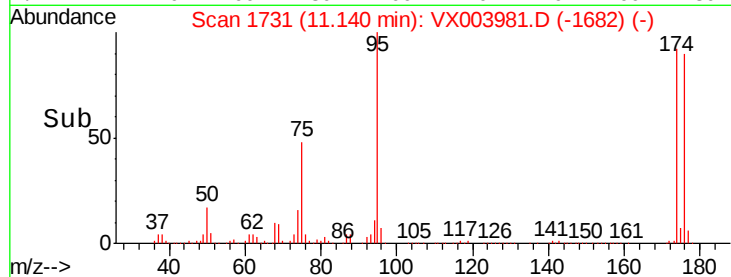
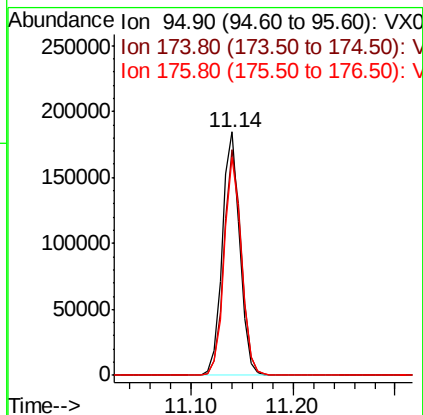
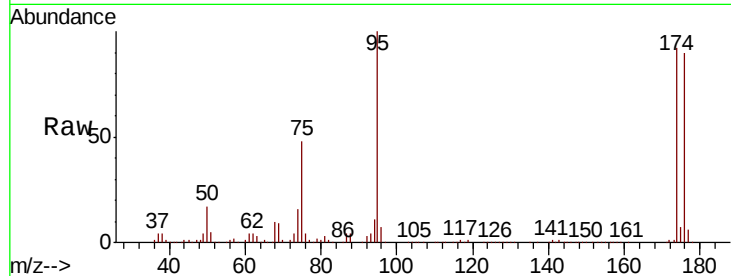




#62
4-Bromofluorobenzene
Concen: 50.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

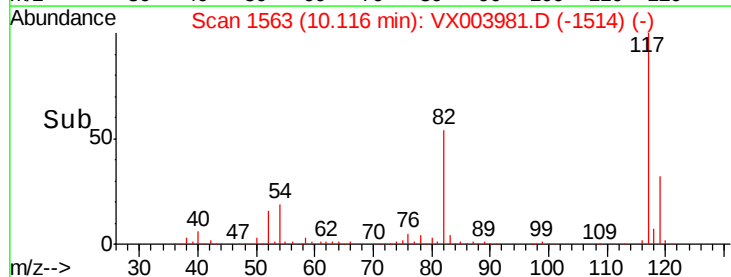
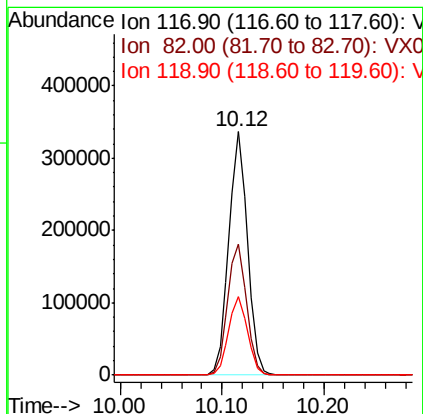
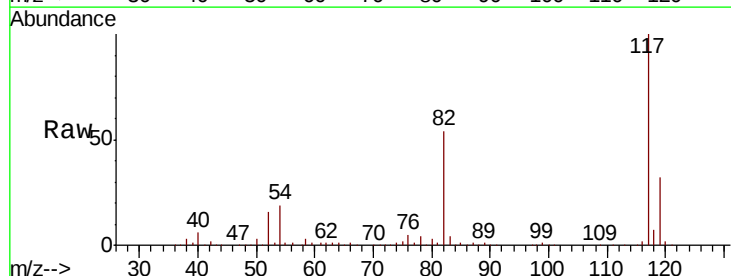
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

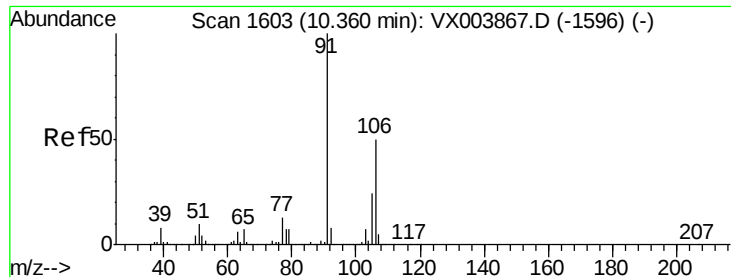
Tot Ion	95	Resp	221343
Ion Ratio	Lower	Upper	
95	100		
174	92.1	0.0	182.8
176	88.2	0.0	179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003981.D
Acq: 10 Aug 2018 17:10

Tgt Ion	117	Resp	424532
Ion Ratio	Lower	Upper	
117	100		
82	53.9	45.4	68.0
119	32.1	26.6	40.0





#68

m/p-Xvlenes

Concen: 0.22 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

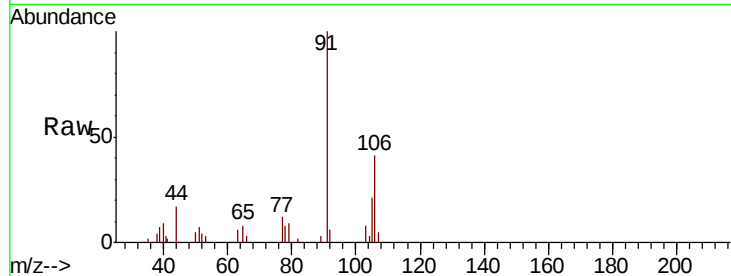
TRIP-BLANK

Tot Ion:106 Resp: 1566

Ion Ratio Lower Upper

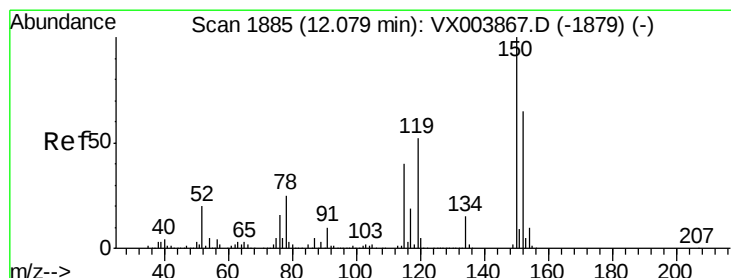
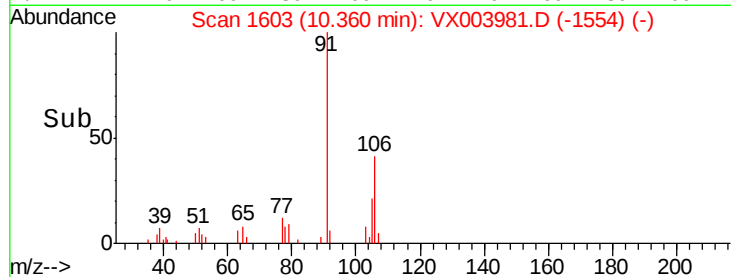
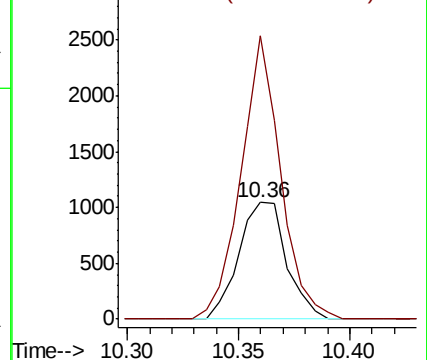
106 100

91 201.1 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

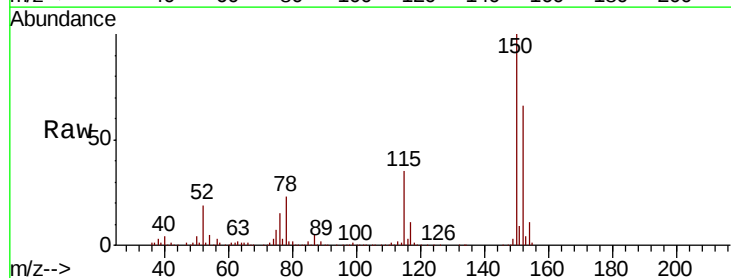
Tgt Ion:152 Resp: 233205

Ion Ratio Lower Upper

152 100

115 54.6 39.1 117.3

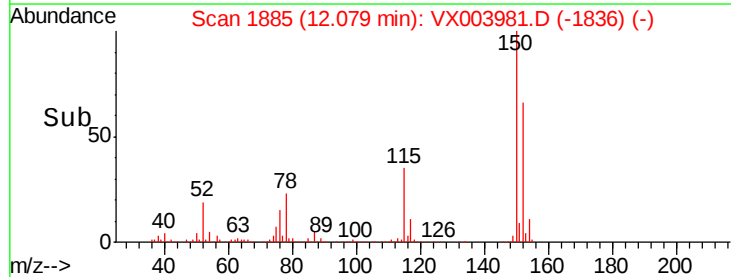
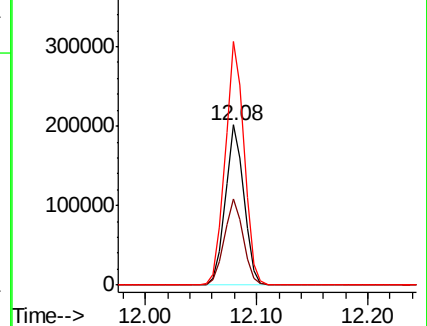
150 154.3 0.0 349.2

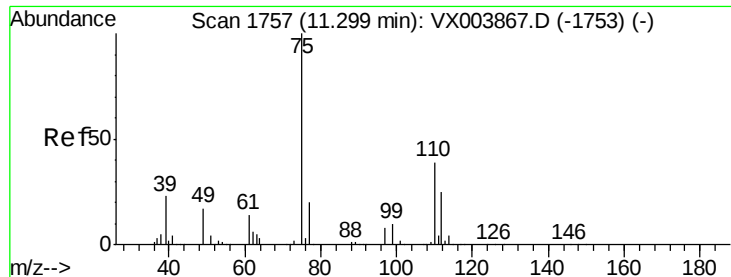


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

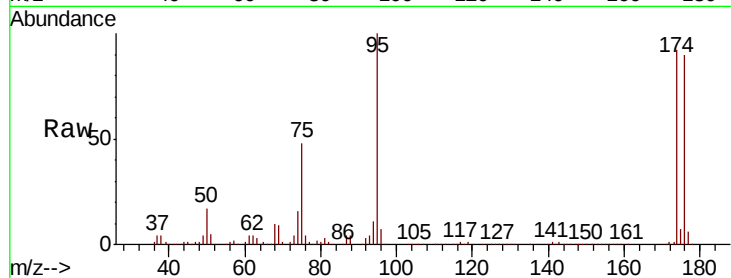
TRIP-BLANK

Tot Ion: 75 Resp: 106847

Ion Ratio Lower Upper

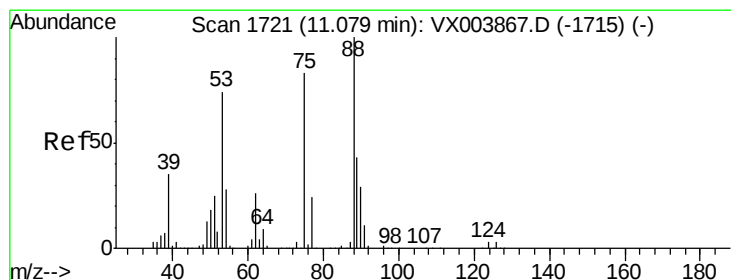
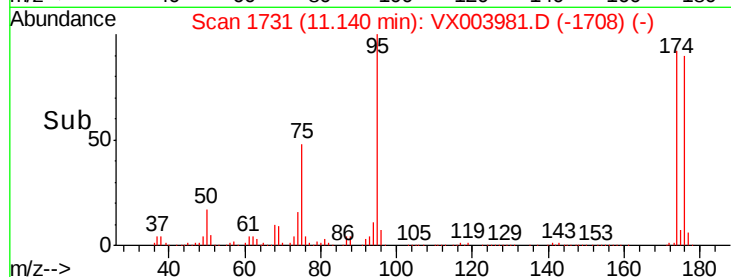
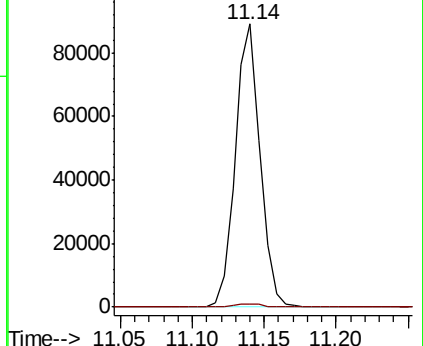
75 100

77 1.3 20.8 62.5#



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: 56.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003981.D

Acq: 10 Aug 2018 17:10

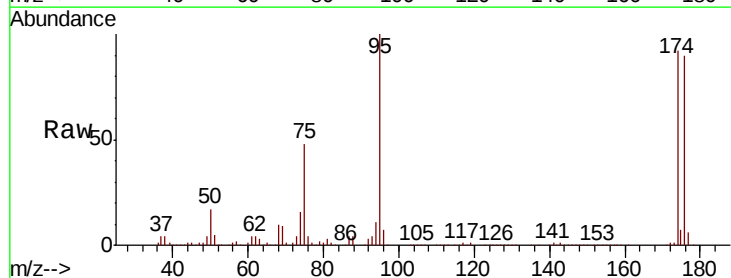
Tgt Ion: 75 Resp: 106847

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

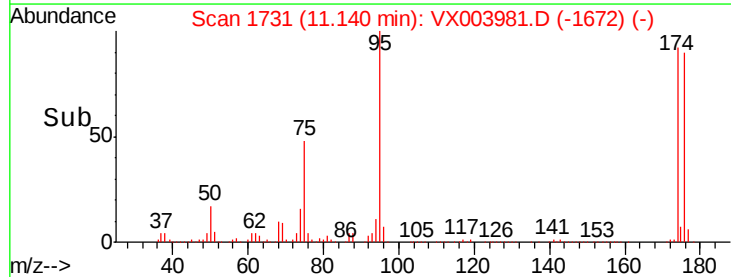
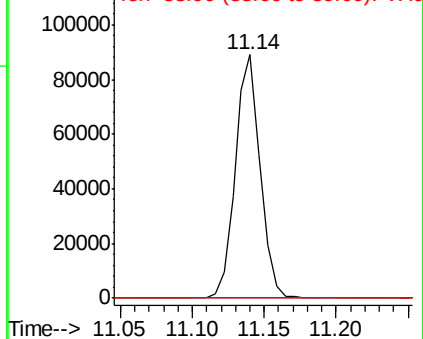
89 0.0 37.8 56.8#

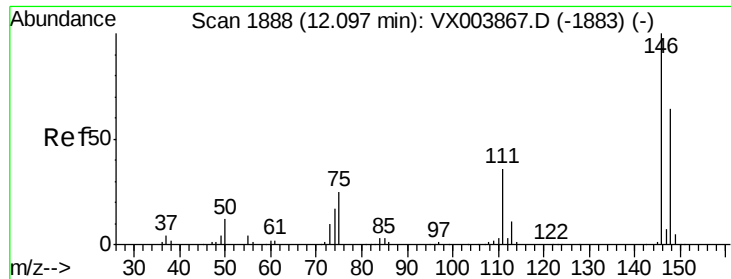


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

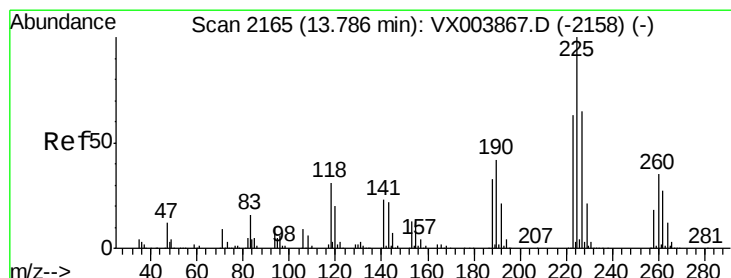
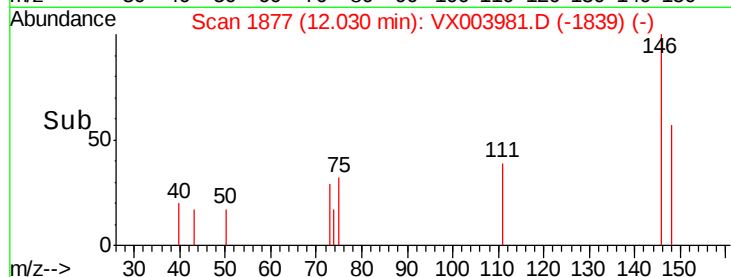
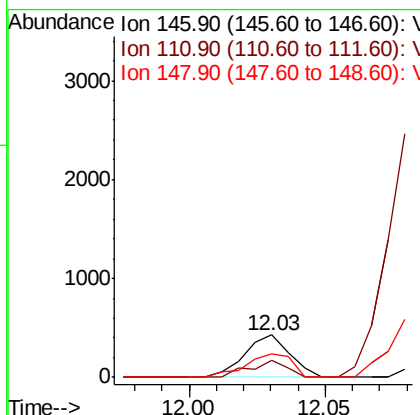
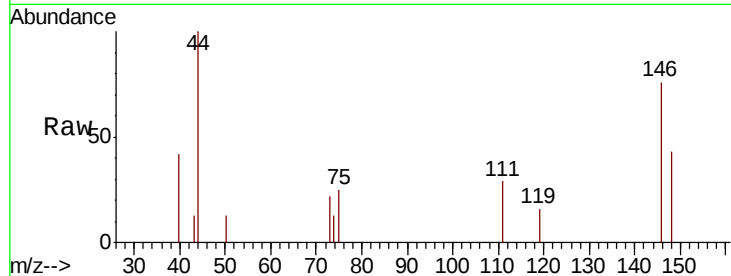




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:146 Resp: 486
 Ion Ratio Lower Upper
 146 100
 111 32.1 18.4 55.0
 148 58.6 32.3 96.8



#94
 Hexachlorobutadiene
 Concen: 0.53 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003981.D
 Acq: 10 Aug 2018 17:10

Tgt Ion:225 Resp: 265
 Ion Ratio Lower Upper
 225 100
 223 31.7 31.4 94.0
 227 58.9 32.1 96.5

