

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003873.D
 Acq On : 07 Aug 2018 11:11
 Operator : JC/MD
 Sample : VX0807WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBL01

Quant Time: Aug 08 01:18:13 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	295347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	452052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207834	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	201219	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	5.50	113	166848	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	634718	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.14	95	197714	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

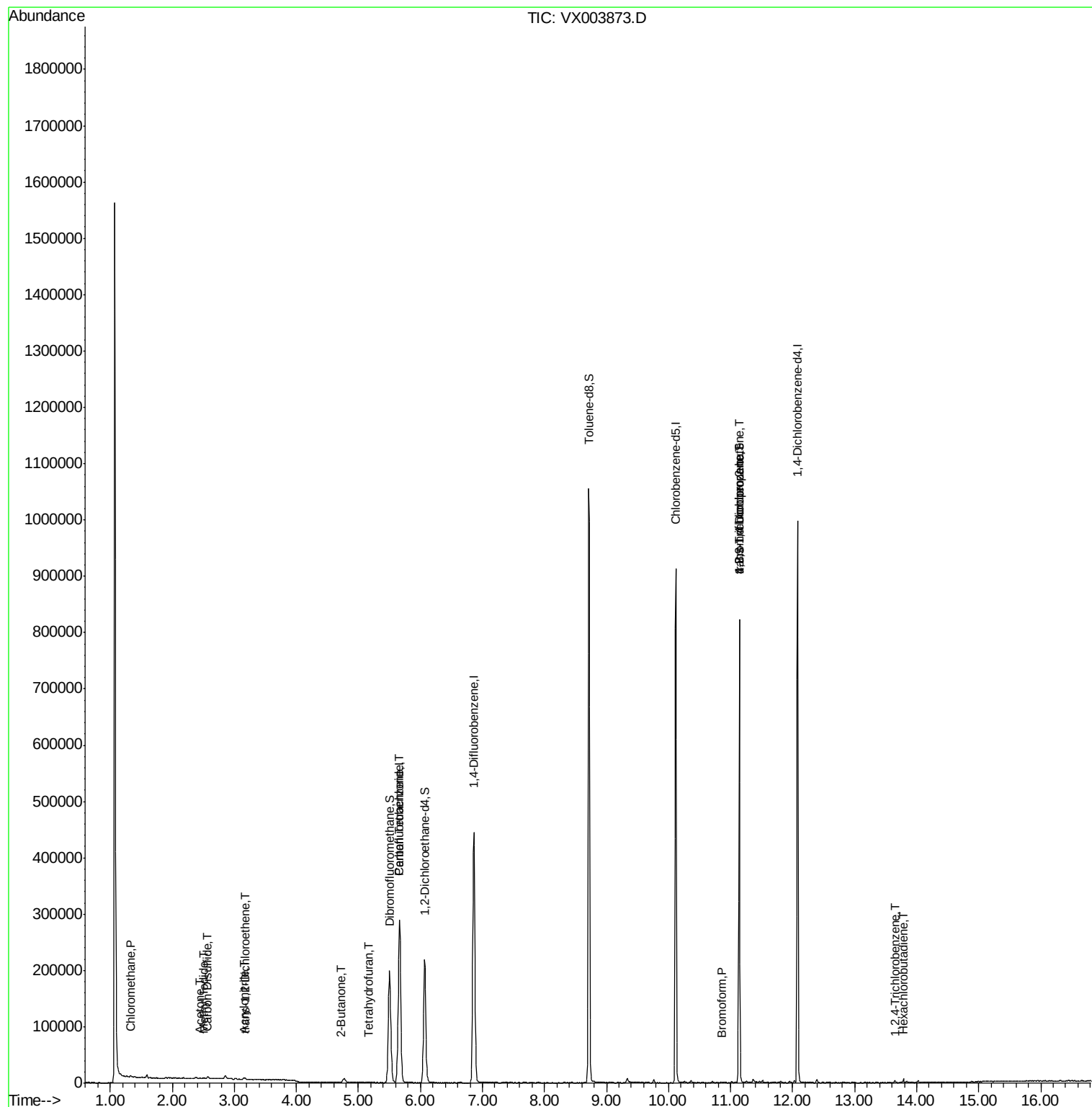
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1305	0.32	ug/l	99
5) Bromomethane	1.65	94	1158	Below Cal		89
10) Methyl Iodide	2.51	142	920	0.22	ug/l #	89
13) Acrolein	2.29	56	578	Below Cal		99
15) Acrylonitrile	3.15	53	1087	0.48	ug/l #	74
16) Acetone	2.45	43	911	0.39	ug/l	89
17) Carbon Disulfide	2.57	76	4470	0.93	ug/l #	93
20) Methylene Chloride	2.86	84	3124	Below Cal		94
21) trans-1,2-Dichloroethene	3.16	96	756	0.21	ug/l #	83
25) 2-Butanone	4.71	43	793	0.23	ug/l	98
29) Tetrahydrofuran	5.17	42	874	0.49	ug/l #	74
38) Carbon Tetrachloride	5.67	117	26615	5.52	ug/l #	14
71) Bromoform	10.86	173	81	2.94	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	96979	21.13	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96979	57.14	ug/l #	9
88) 1,4-Dichlorobenzene	12.02	146	1258	Below Cal		93
93) 1,2,4-Trichlorobenzene	13.65	180	1222	0.23	ug/l	98
94) Hexachlorobutadiene	13.79	225	1093	0.89	ug/l	94

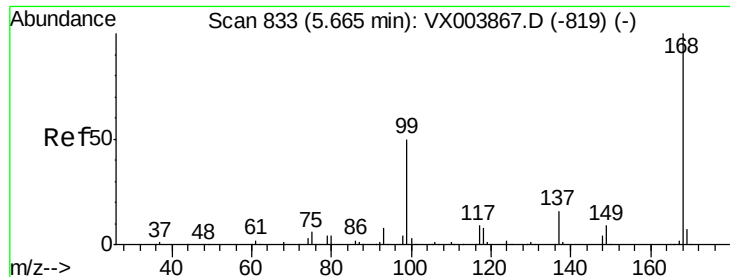
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

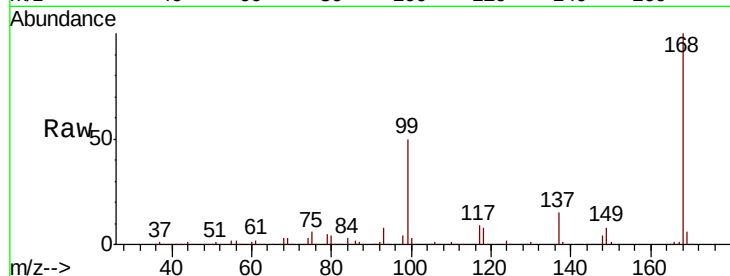
VX0807WBL01

Tot Ion:168 Resp: 295347

Ion Ratio Lower Upper

168 100

99 50.3 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

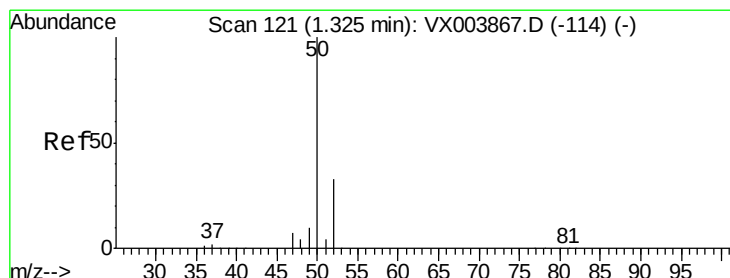
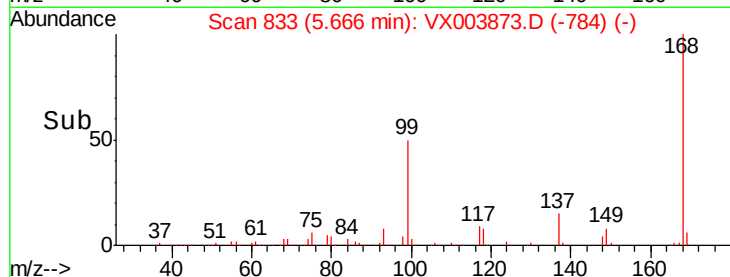
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003873.D

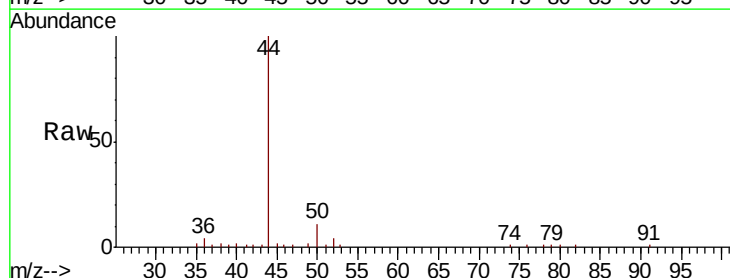
Acq: 07 Aug 2018 11:11

Tgt Ion: 50 Resp: 1305

Ion Ratio Lower Upper

50 100

52 33.8 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

1000

800

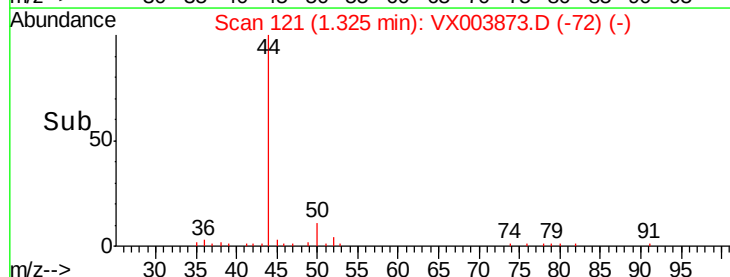
600

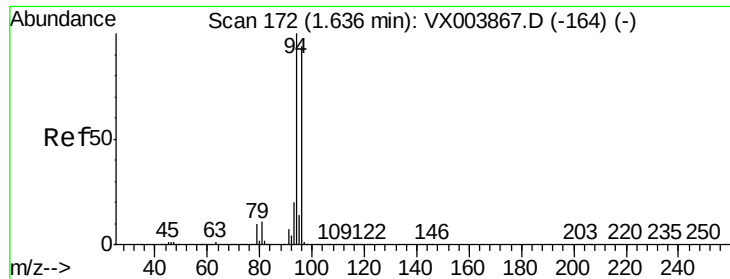
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

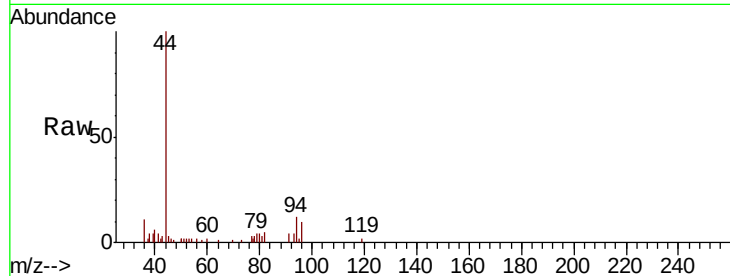
VX0807WBL01

Tot Ion: 94 Resp: 1158

Ion Ratio Lower Upper

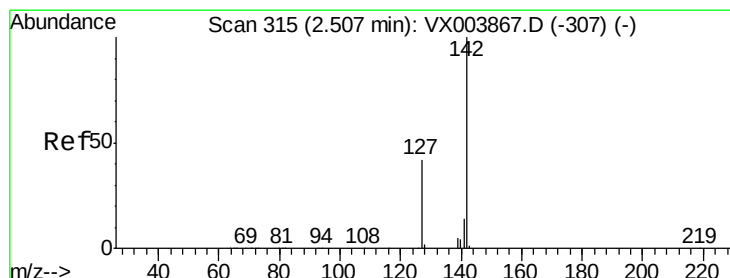
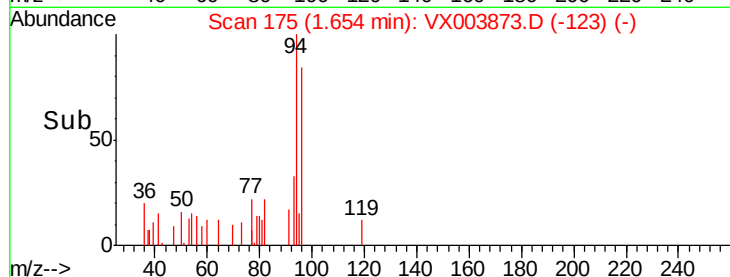
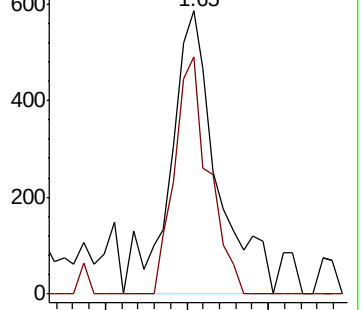
94 100

96 83.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

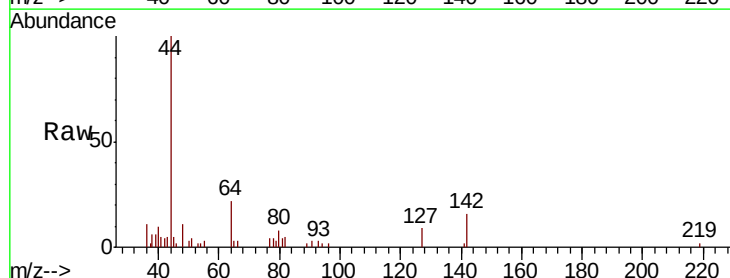
Tgt Ion: 142 Resp: 920

Ion Ratio Lower Upper

142 100

127 47.5 33.1 49.7

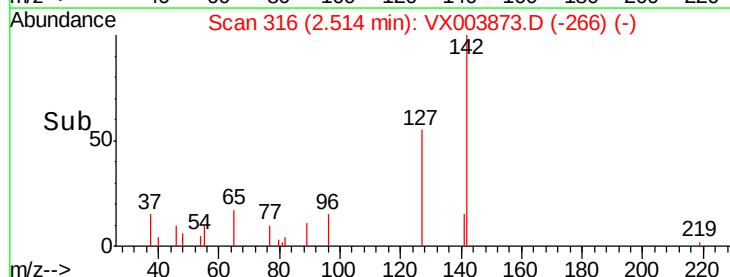
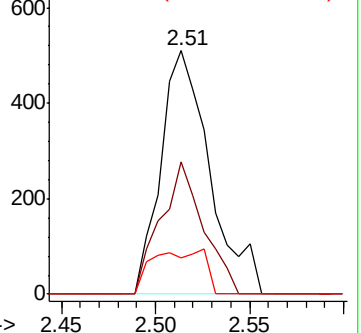
141 19.6 11.1 16.7#

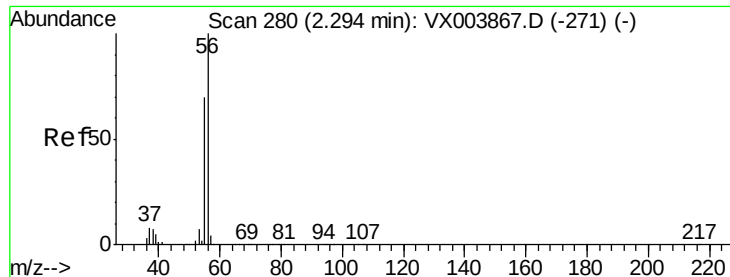


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

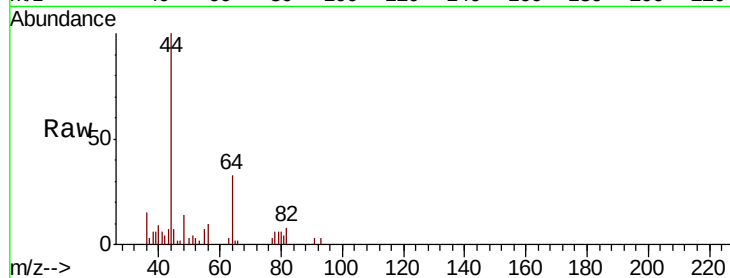
VX0807WBL01

Tot Ion: 56 Resp: 578

Ion Ratio Lower Upper

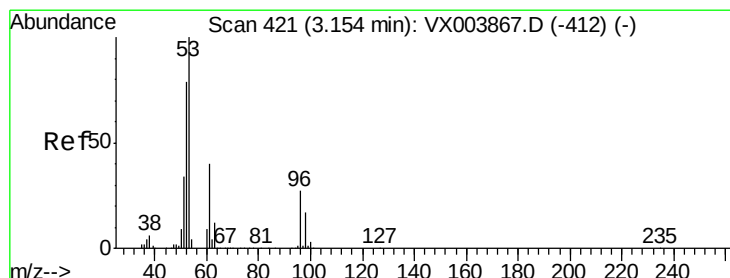
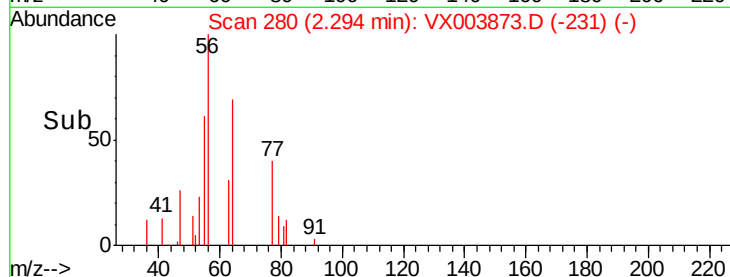
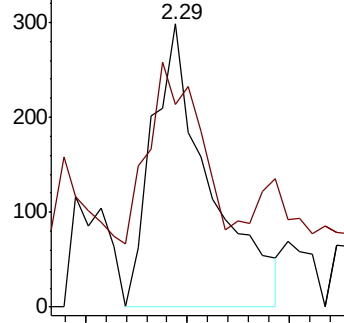
56 100

55 70.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.48 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

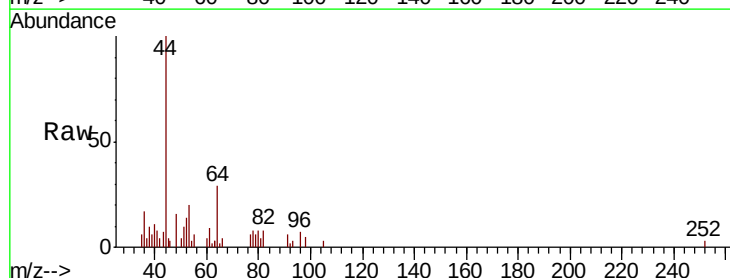
Tgt Ion: 53 Resp: 1087

Ion Ratio Lower Upper

53 100

52 93.7 65.3 97.9

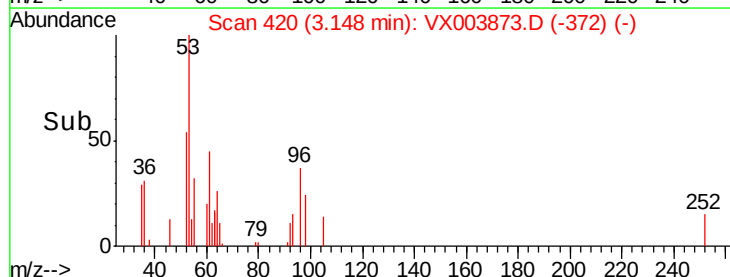
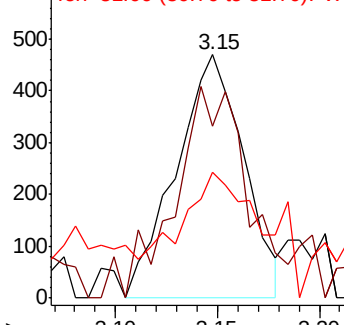
51 66.1 27.9 41.9#

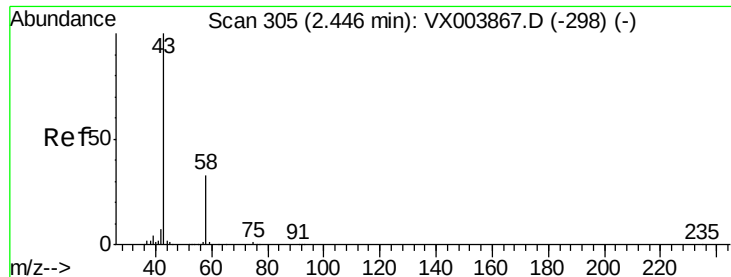


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.39 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

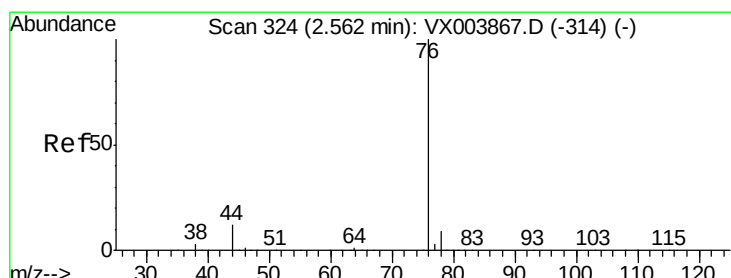
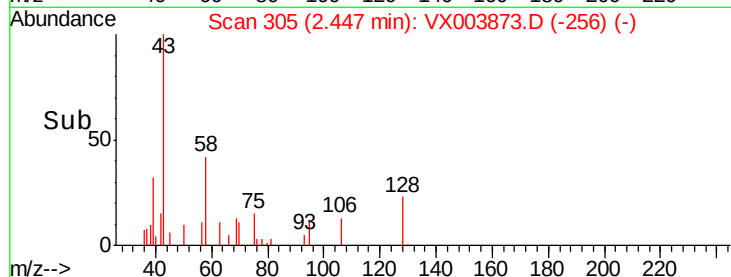
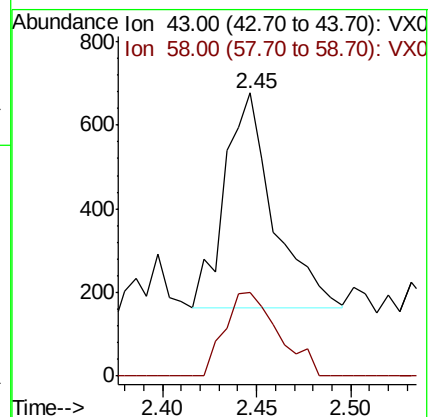
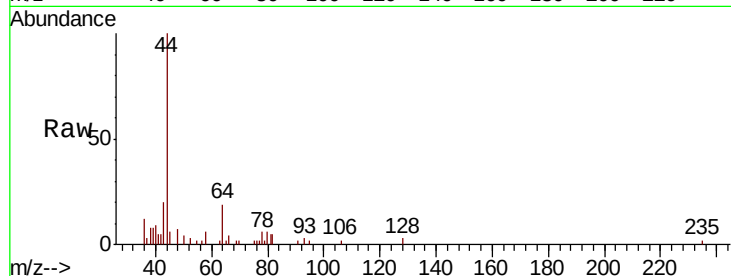
VX0807WBL01

Tot Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

58 39.3 26.4 39.6



#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003873.D

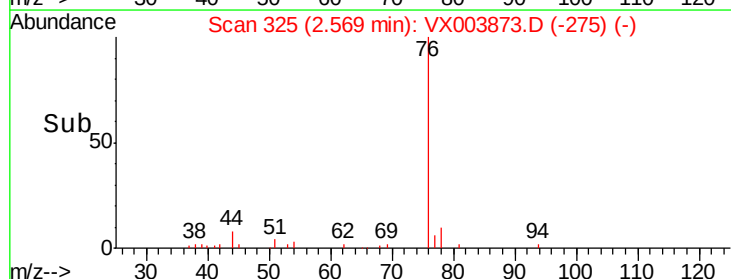
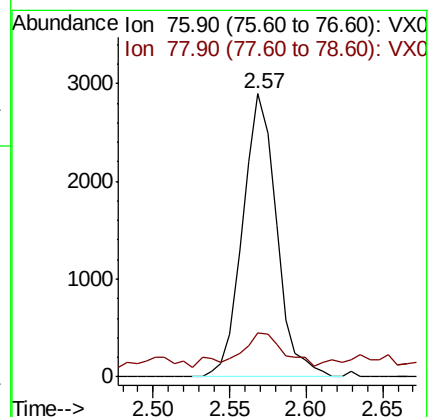
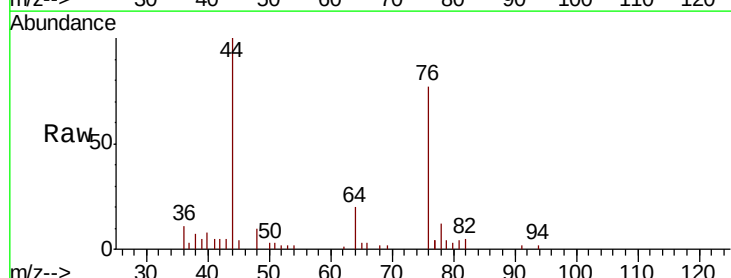
Acq: 07 Aug 2018 11:11

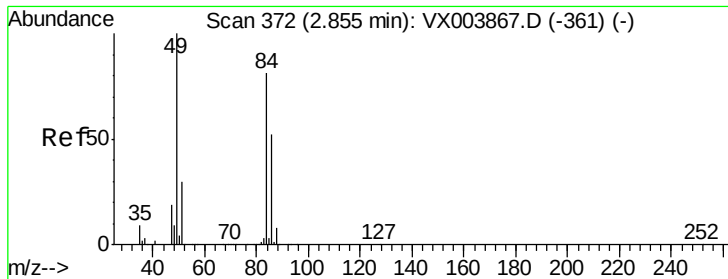
Tgt Ion: 76 Resp: 4470

Ion Ratio Lower Upper

76 100

78 12.1 7.5 11.3#



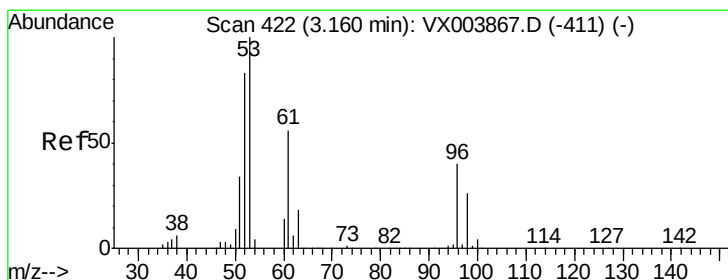
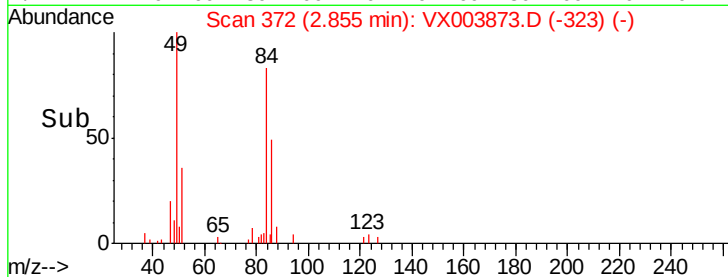
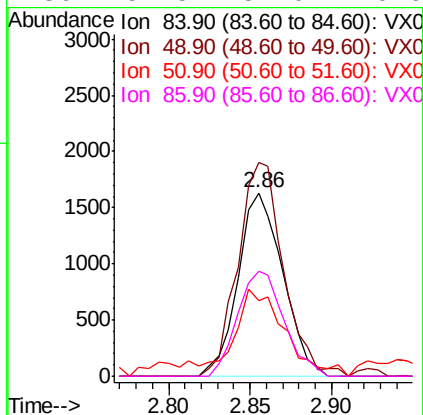
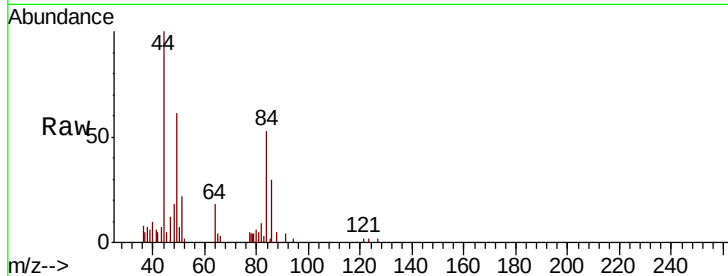


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003873.D
 Acq: 07 Aug 2018 11:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBL01

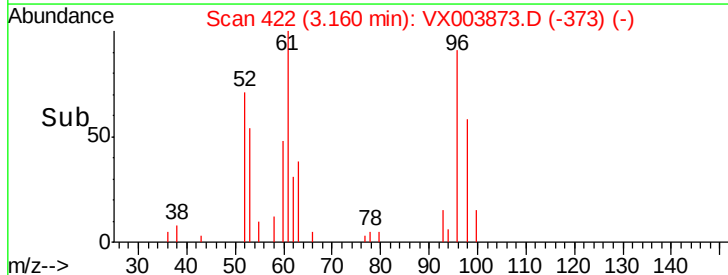
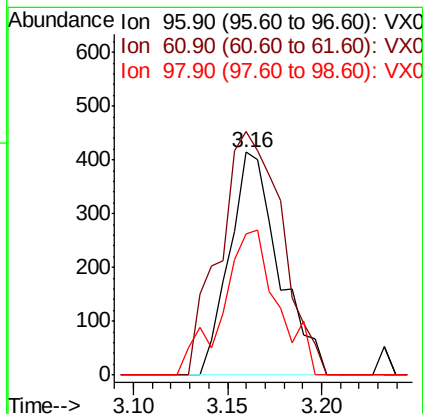
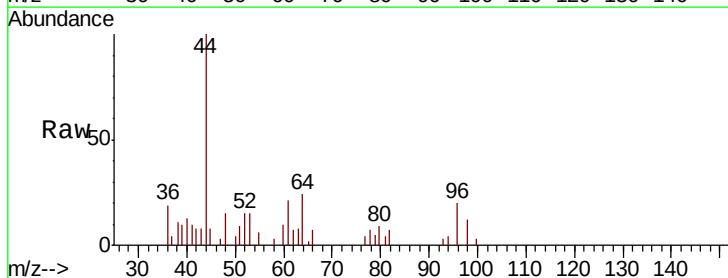
Tot Ion:	84	Resp:	3124
Ion	Ratio	Lower	Upper
84	100		
49	116.3	98.9	148.3
51	35.2	29.9	44.9
86	57.5	51.0	76.6

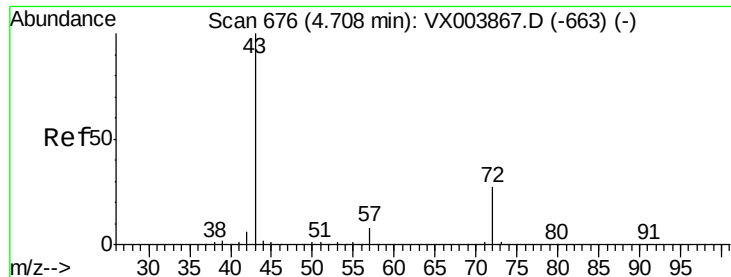


#21

trans-1,2-Dichloroethene
 Concen: 0.21 ug/l
 RT: 3.16 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: VX003873.D
 Acq: 07 Aug 2018 11:11

Tgt Ion:	96	Resp:	756
Ion	Ratio	Lower	Upper
96	100		
61	109.4	111.8	167.6#
98	63.5	51.8	77.6





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

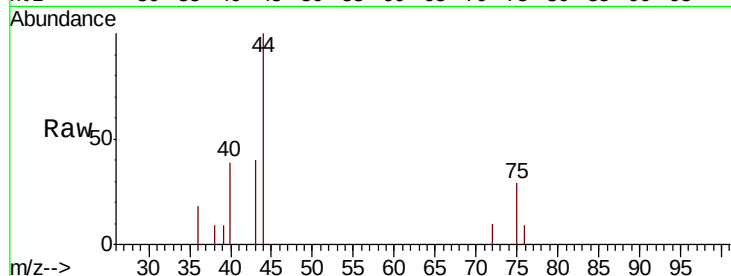
VX0807WBL01

Tot Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

72 25.8 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

250

200

150

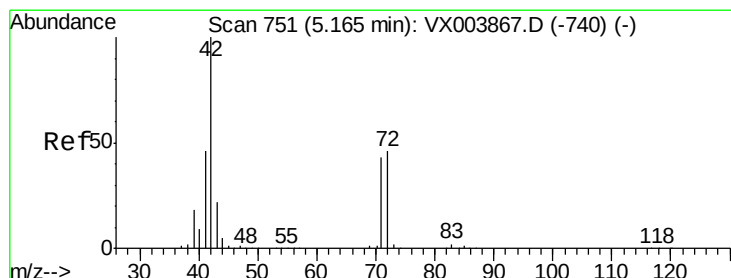
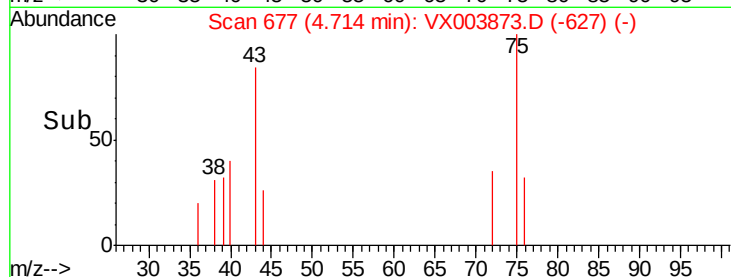
100

50

0

Time-->

4.60 4.65 4.70 4.75



#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

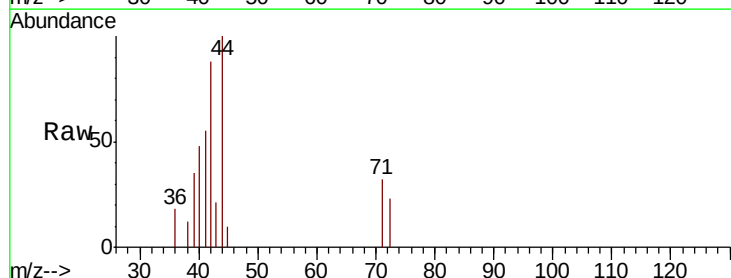
Tgt Ion: 42 Resp: 874

Ion Ratio Lower Upper

42 100

72 28.4 37.7 56.5#

71 59.7 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

600

500

400

300

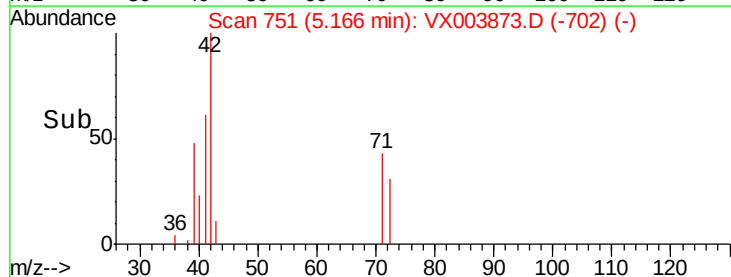
200

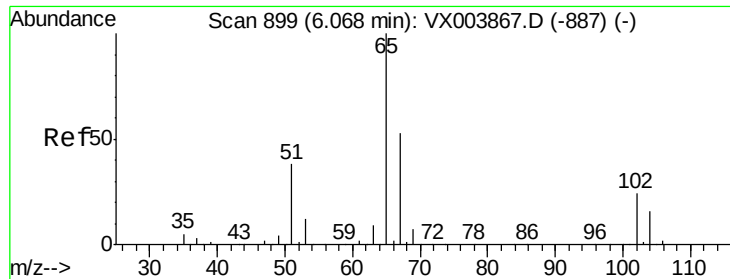
100

0

Time-->

5.10 5.15 5.20

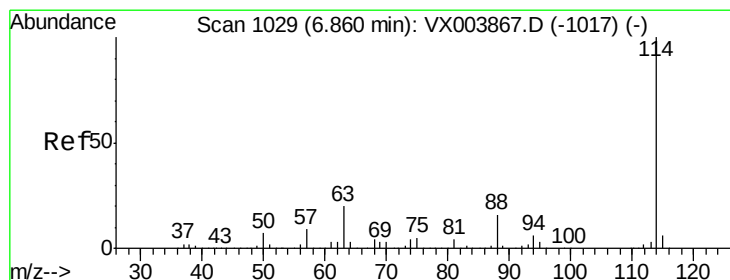
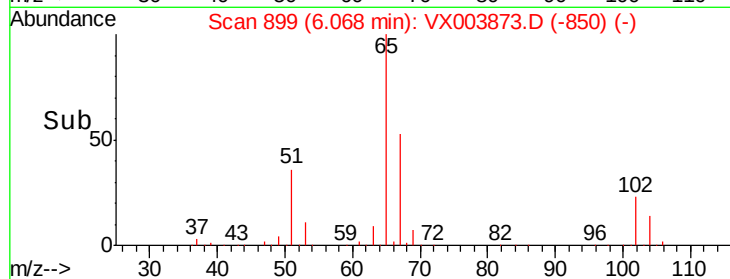
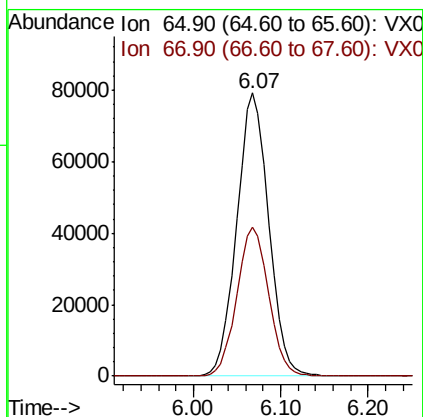
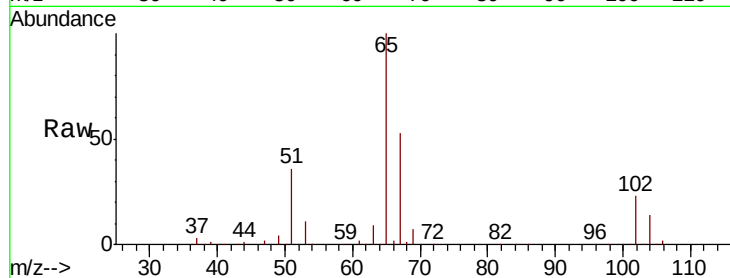




#33
 1,2-Dichloroethane-d4
 Concen: 51.40 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003873.D
 Acq: 07 Aug 2018 11:11

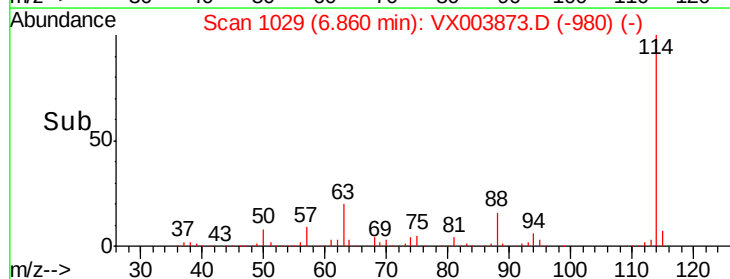
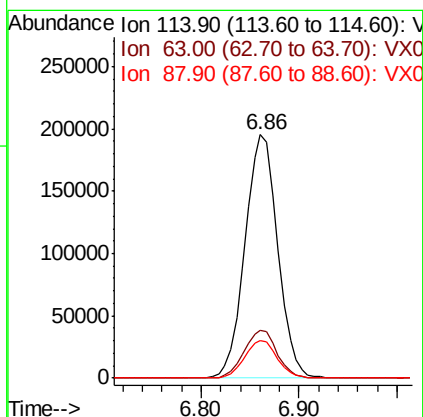
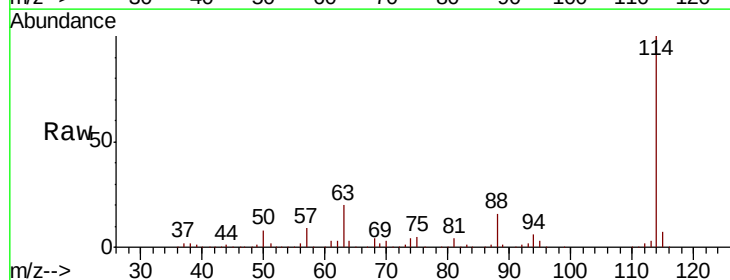
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBL01

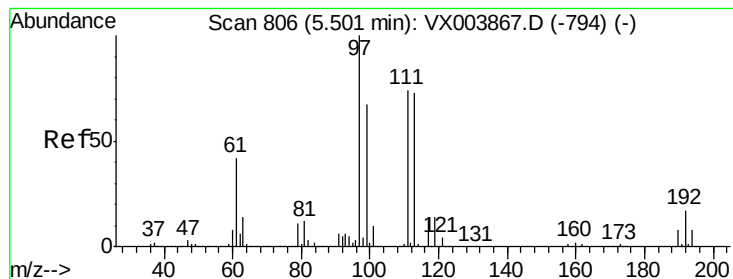
Tot Ion: 65 Resp: 201219
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003873.D
 Acq: 07 Aug 2018 11:11

Tgt Ion: 114 Resp: 452052
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.72 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBL01

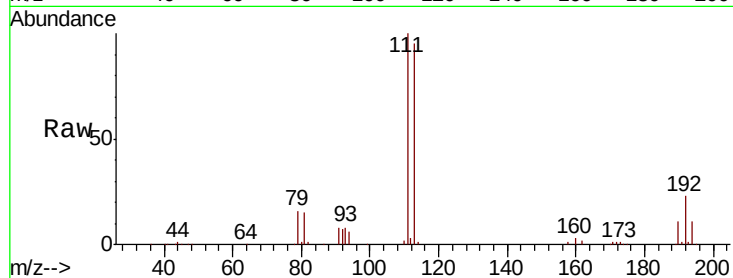
Tot Ion:113 Resp: 166848

Ion Ratio Lower Upper

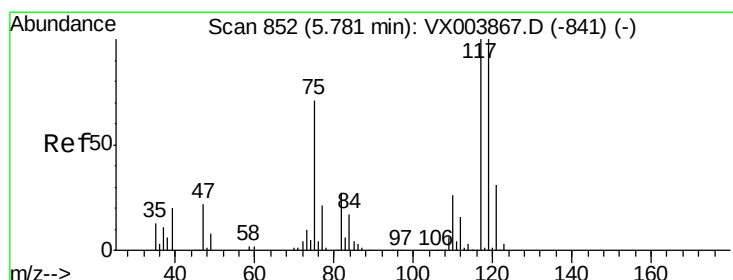
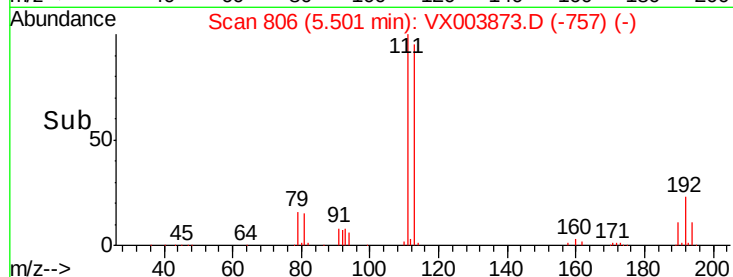
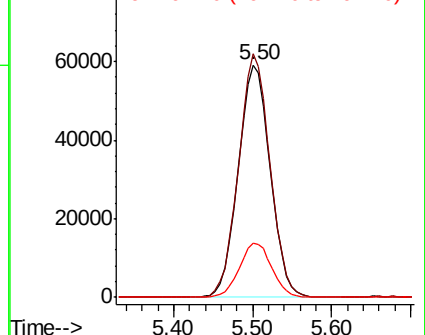
113 100

111 102.8 82.0 123.0

192 23.6 19.0 28.4



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



#38

Carbon Tetrachloride

Concen: 5.52 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

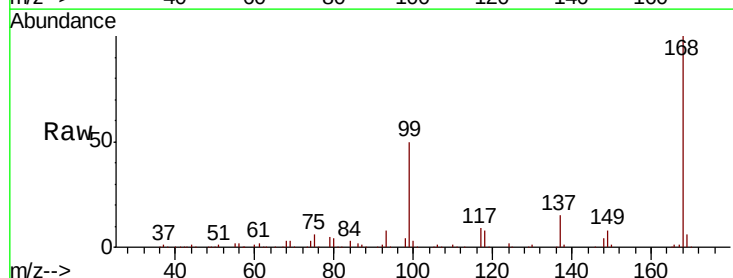
Tgt Ion:117 Resp: 26615

Ion Ratio Lower Upper

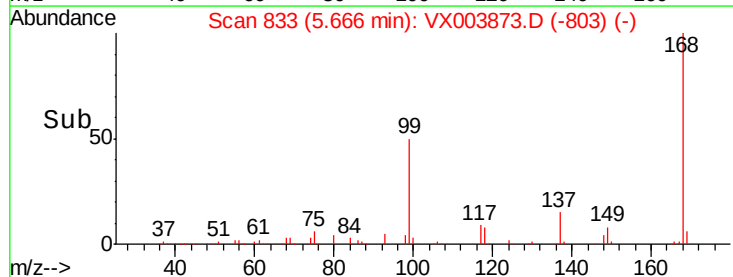
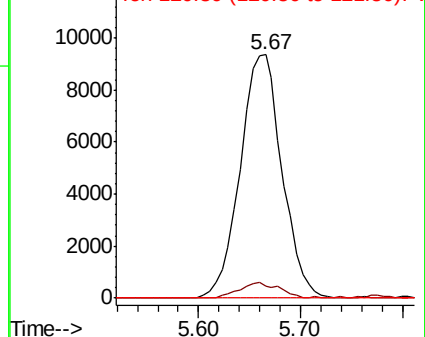
117 100

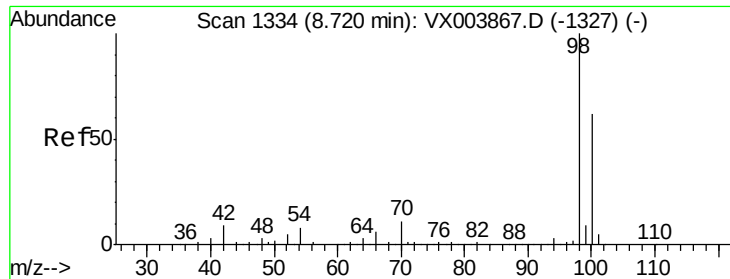
119 5.0 79.5 119.3#

121 0.0 25.0 37.4#



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

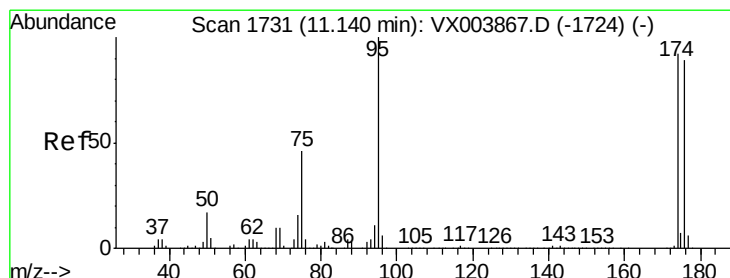
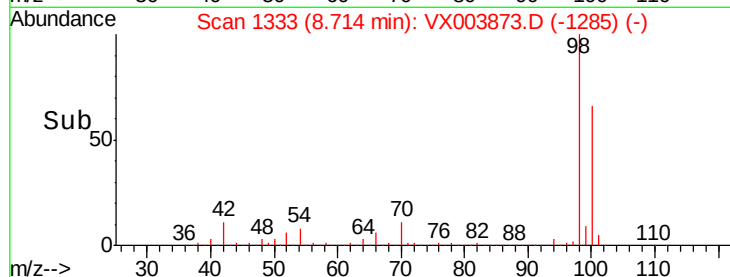
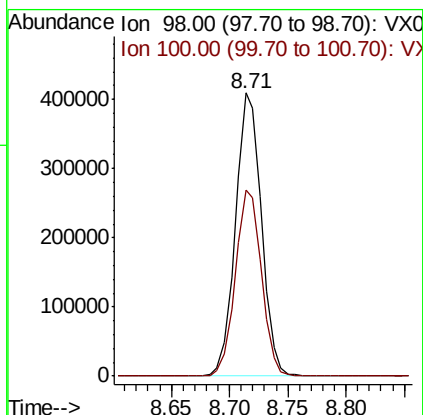
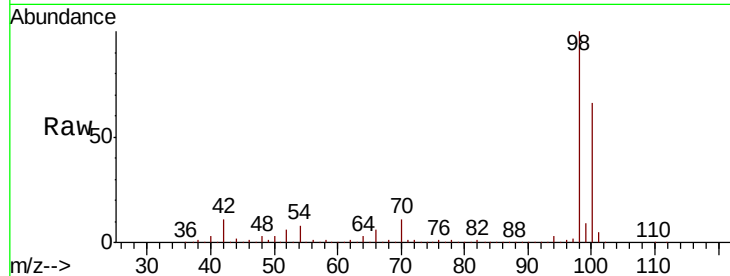




#50
Toluene-d8
Concen: 47.66 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

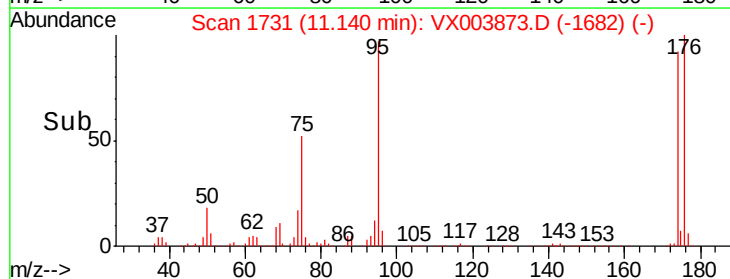
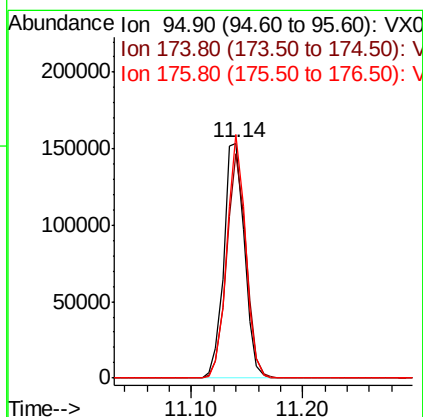
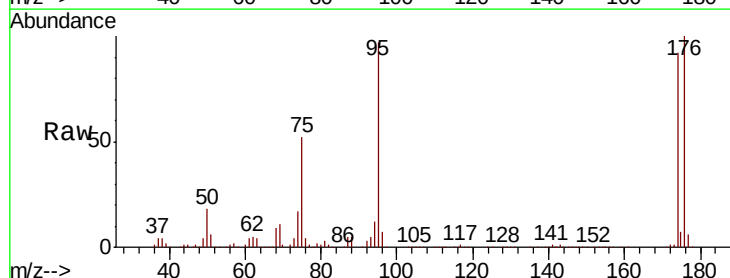
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

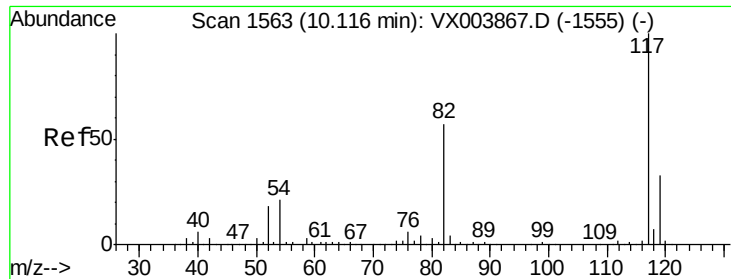
Tot Ion: 98 Resp: 634718
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 45.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

Tgt Ion: 95 Resp: 197714
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.8
176 93.6 0.0 179.0

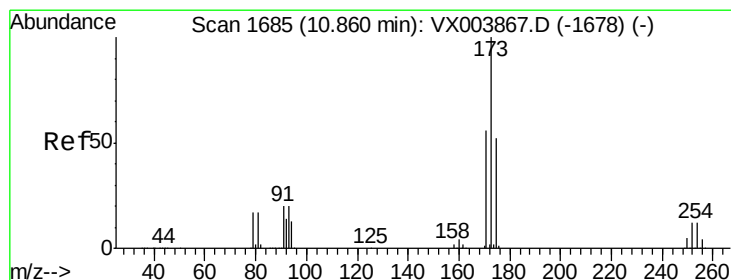
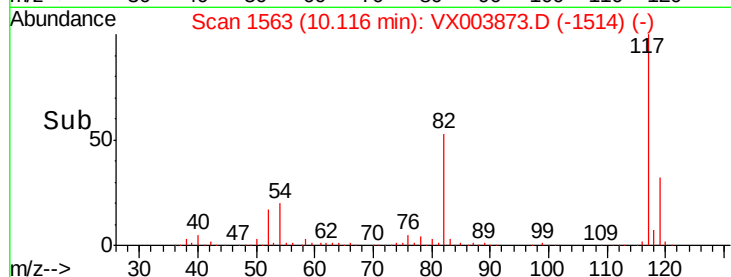
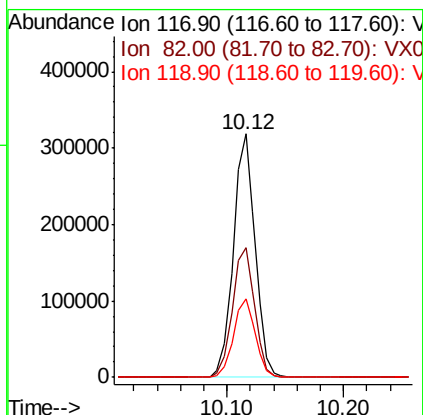
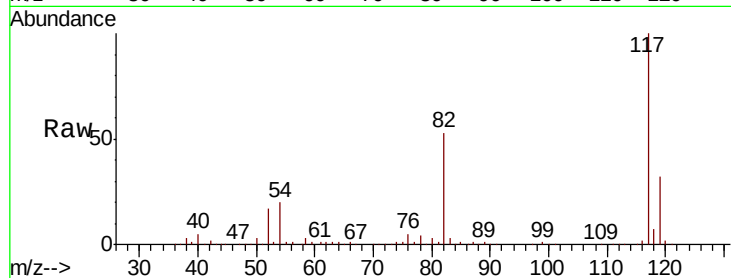




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

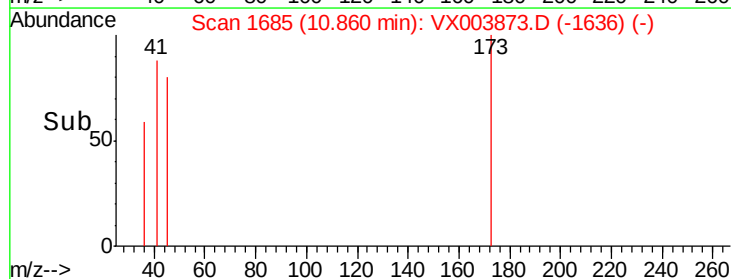
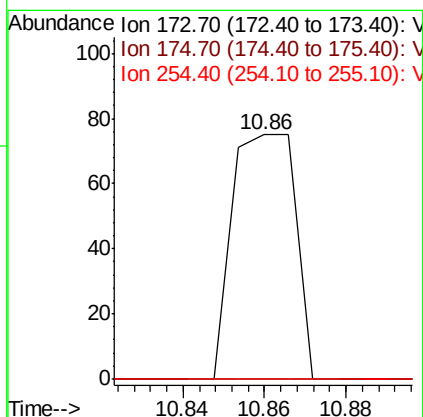
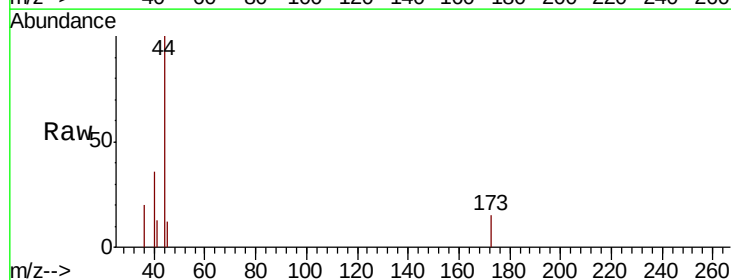
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

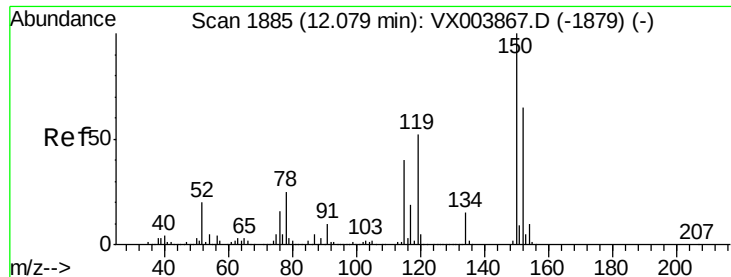
Tot Ion:117 Resp: 413200
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 32.5 26.6 40.0



#71
Bromoform
Concen: 2.94 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

Tgt Ion:173 Resp: 81
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBL01

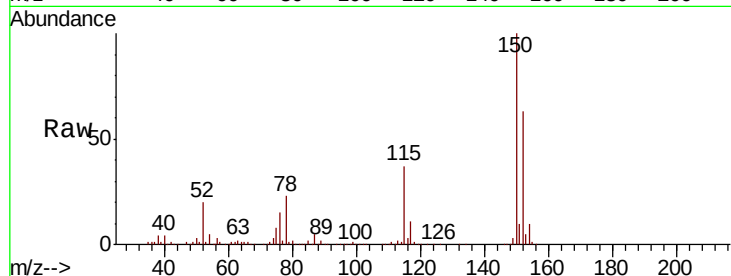
Tot Ion:152 Resp: 207834

Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

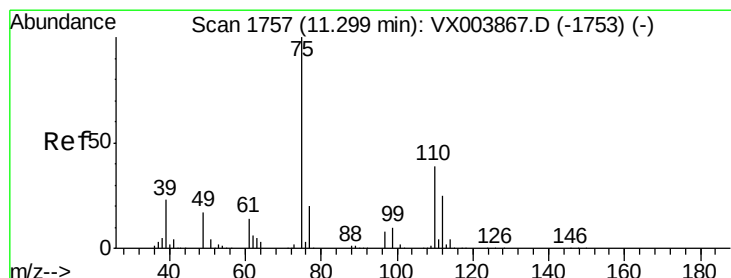
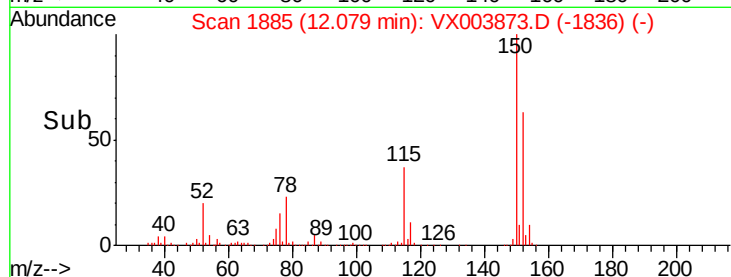
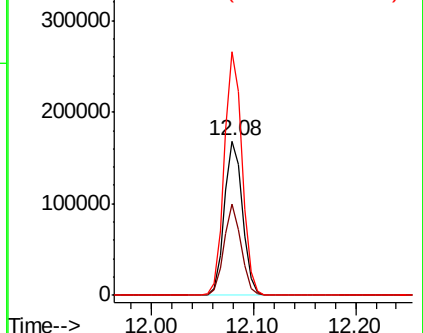
150 155.3 0.0 349.2



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: 21.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003873.D

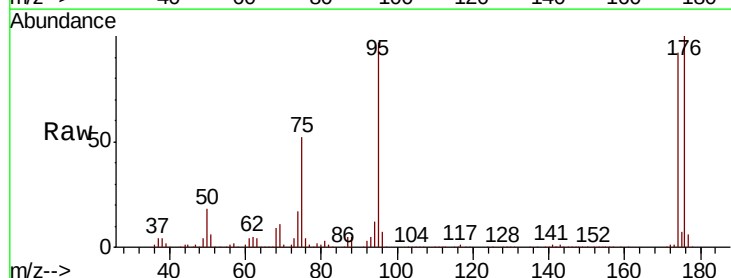
Acq: 07 Aug 2018 11:11

Tgt Ion: 75 Resp: 96979

Ion Ratio Lower Upper

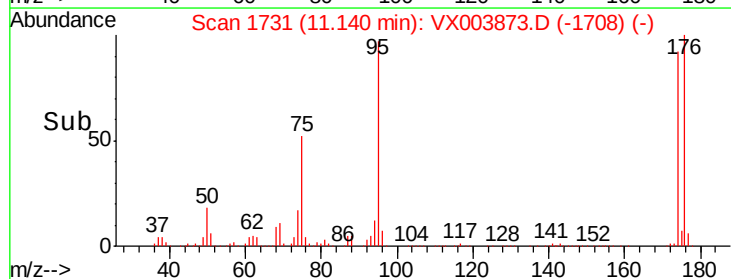
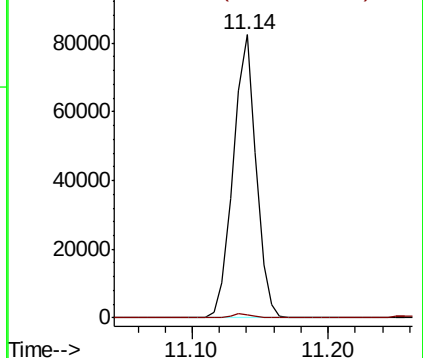
75 100

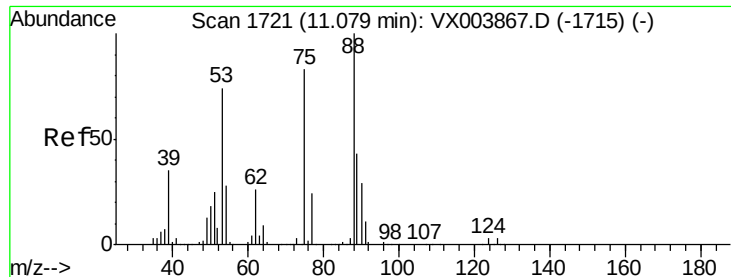
77 1.6 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

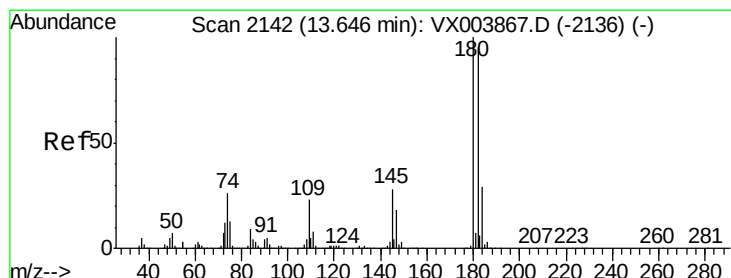
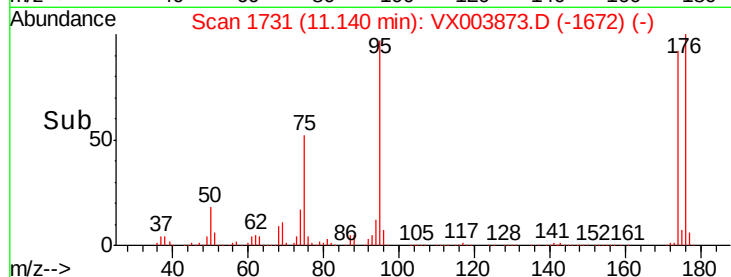
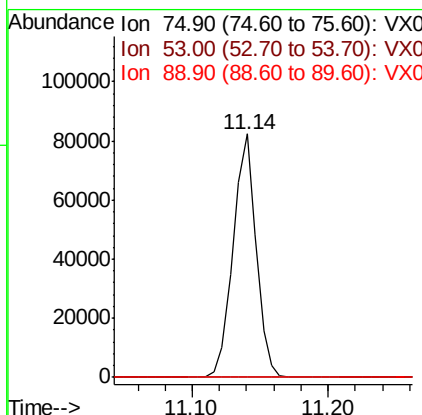
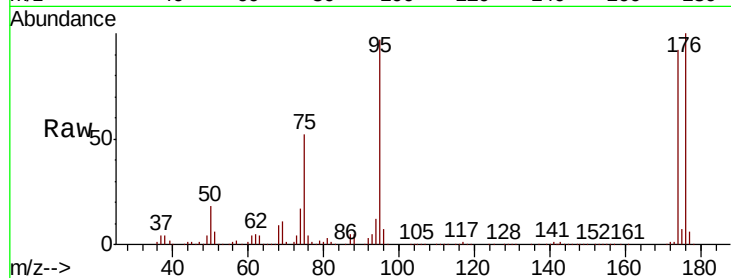




#81
trans-1,4-Dichloro-2-butene
Concen: 57.14 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

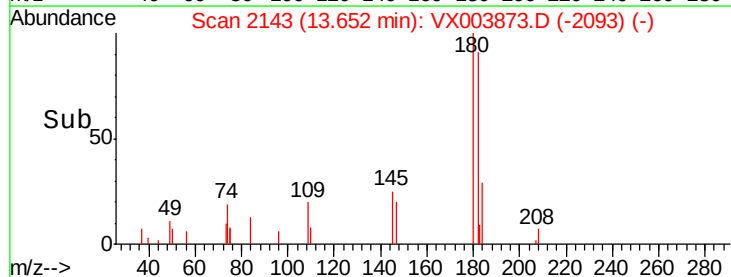
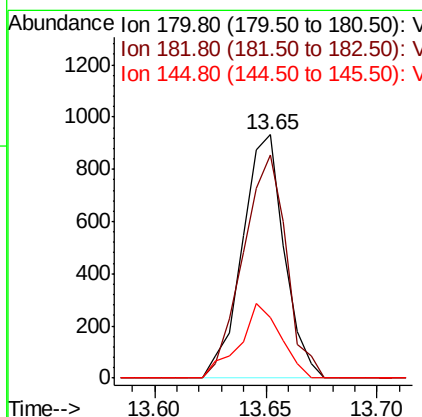
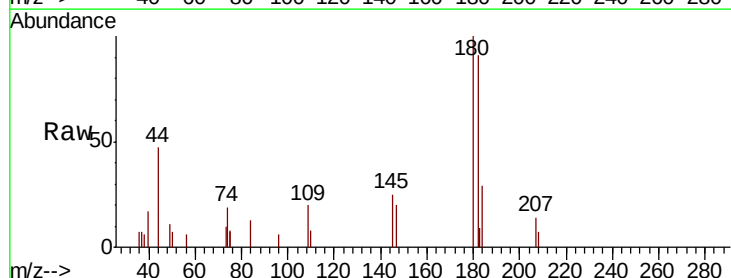
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

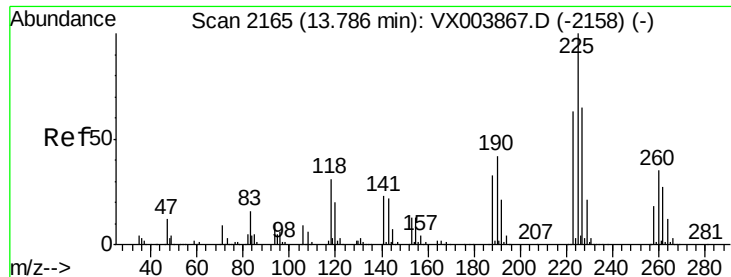
Tot Ion: 75 Resp: 96979
Ion Ratio Lower Upper
75 100
53 0.1 80.3 120.5#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.23 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.01 min
Lab File: VX003873.D
Acq: 07 Aug 2018 11:11

Tgt Ion: 180 Resp: 1222
Ion Ratio Lower Upper
180 100
182 94.7 47.7 143.1
145 30.4 13.9 41.6





#94

Hexachlorobutadiene

Concen: 0.89 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003873.D

Acq: 07 Aug 2018 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBL01

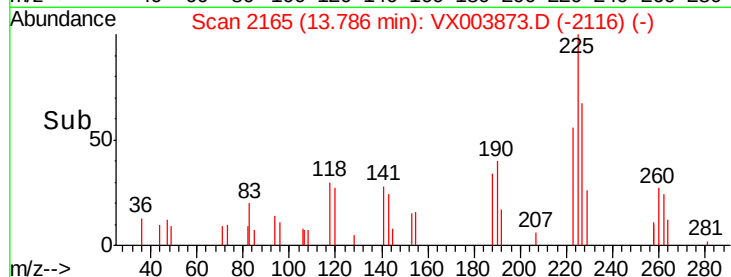
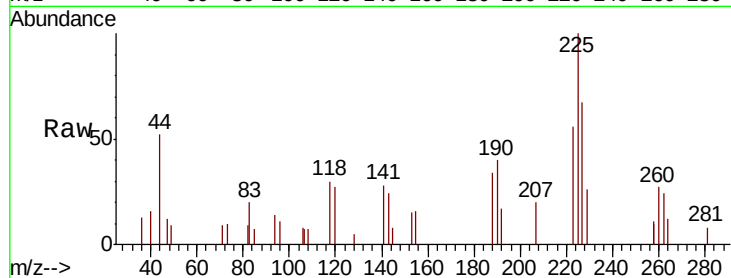
Tot Ion: 225 Resp: 1093

Ion Ratio Lower Upper

225 100

223 68.0 31.4 94.0

227 68.3 32.1 96.5



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

