

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003982.D
 Acq On : 10 Aug 2018 17:37
 Operator : JC/MD
 Sample : J4397-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Aug 11 01:46:11 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	281365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216159	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	206297	55.31	ug/l	0.00
Spiked Amount			Recovery	=	110.62%	
35) Dibromofluoromethane	5.51	113	169736	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	8.72	98	628822	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	207241	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

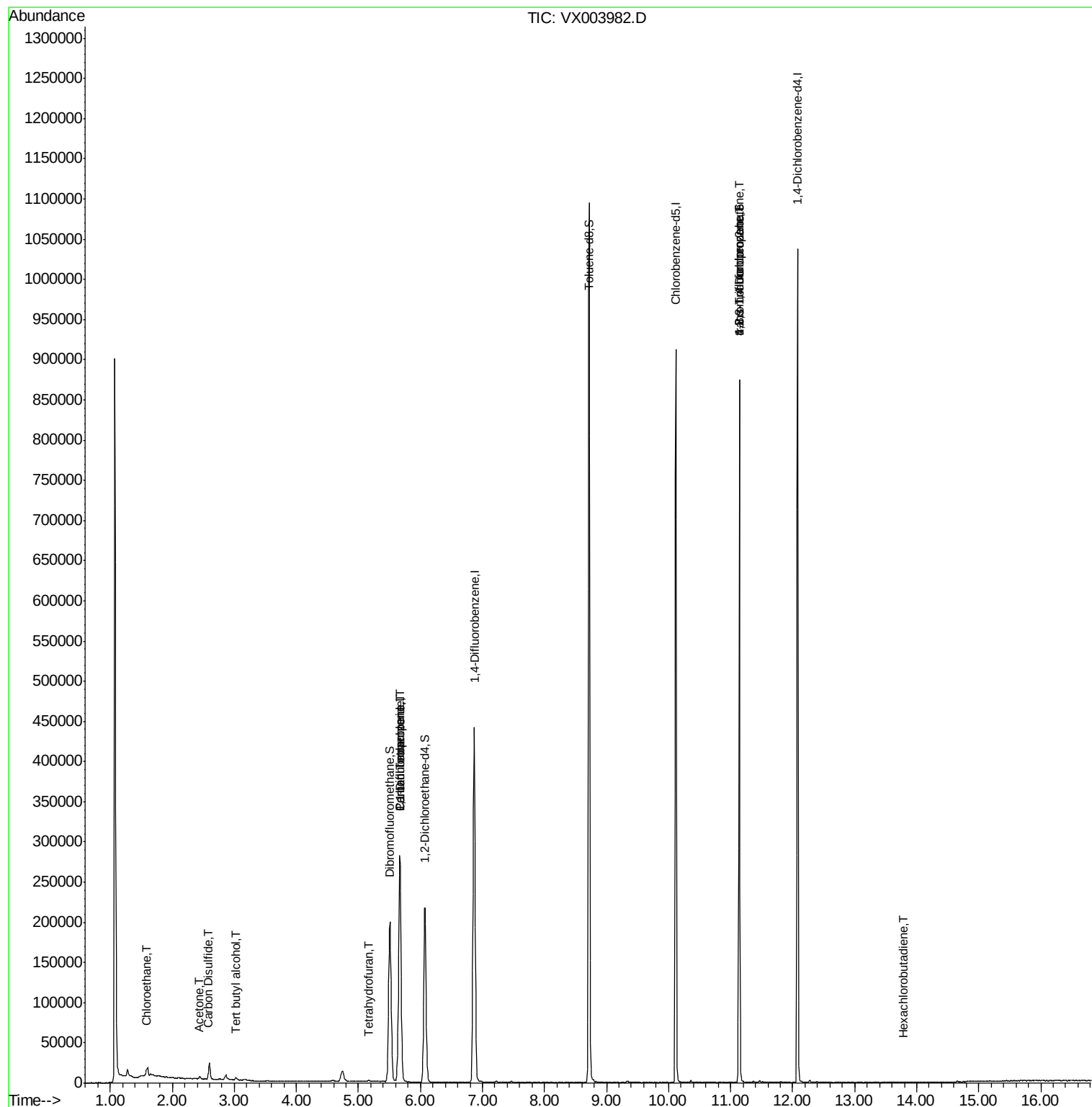
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	949	Below Cal		82
6) Chloroethane	1.58	64	12264	4.95 ug/l	#	56
11) Tert butyl alcohol	3.03	59	2484	2.77 ug/l	#	81
13) Acrolein	2.29	56	90	Below Cal	#	42
16) Acetone	2.43	43	2998	1.35 ug/l		95
17) Carbon Disulfide	2.57	76	683	0.52 ug/l	#	70
20) Methylene Chloride	2.86	84	3049	Below Cal		90
29) Tetrahydrofuran	5.16	42	1574	0.92 ug/l	#	73
36) 1,1-Dichloropropene	5.67	75	20191	4.01 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	25077	5.23 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	101040	21.16 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101040	57.23 ug/l	#	9
88) 1,4-Dichlorobenzene	12.10	146	398	Below Cal	#	1
94) Hexachlorobutadiene	13.79	225	173	0.50 ug/l	#	69

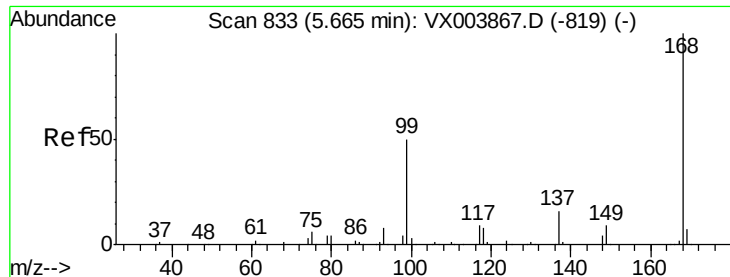
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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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: VX003982.D

Acq: 10 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

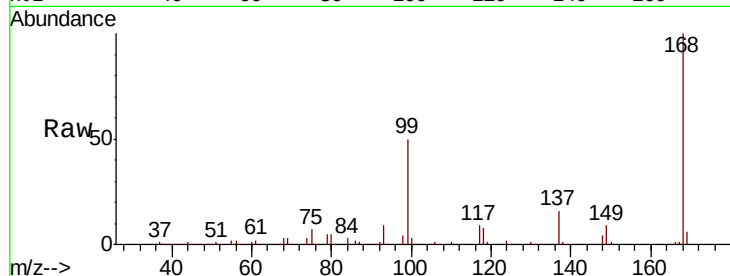
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Tot Ion:168 Resp: 281365

Ion Ratio Lower Upper

168 100

99 49.6 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

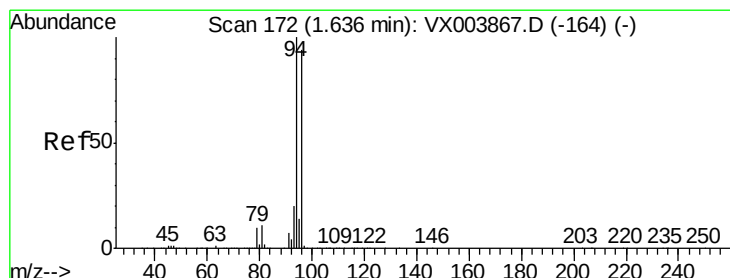
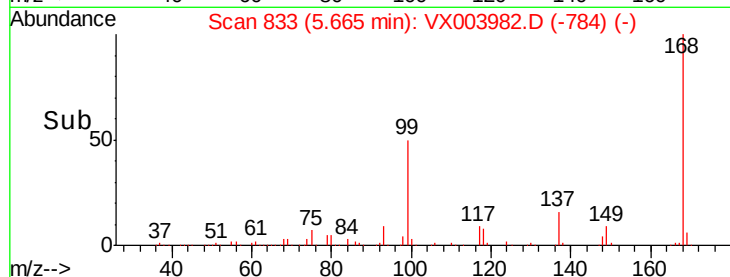
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003982.D

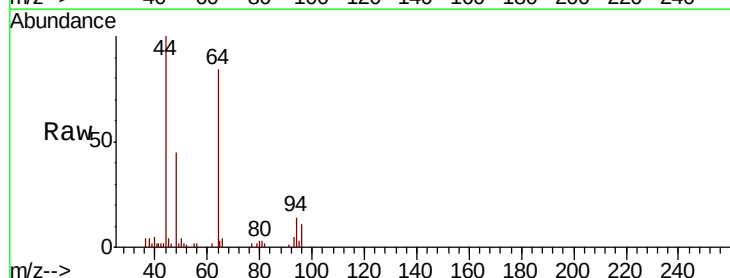
Acq: 10 Aug 2018 17:37

Tgt Ion: 94 Resp: 949

Ion Ratio Lower Upper

94 100

96 76.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

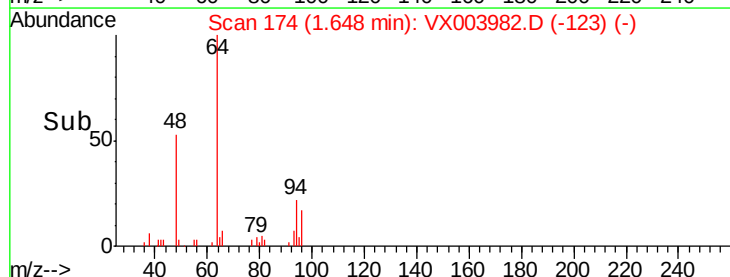
300

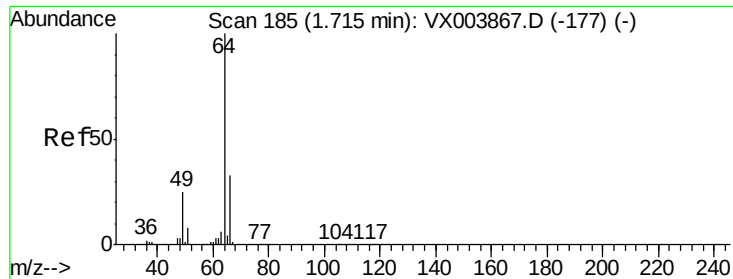
200

100

0

Time--> 1.60 1.65 1.70

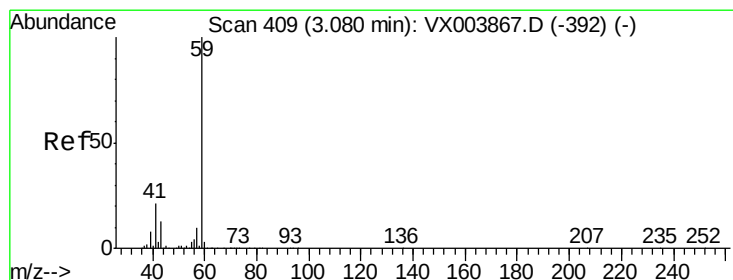
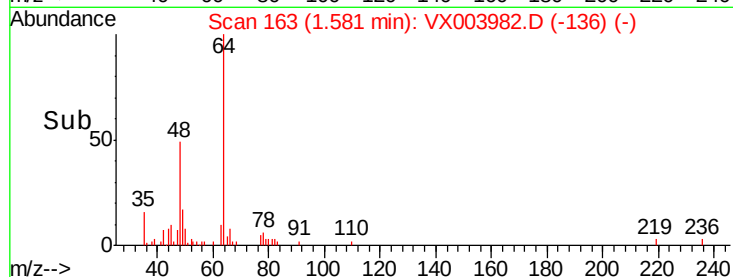
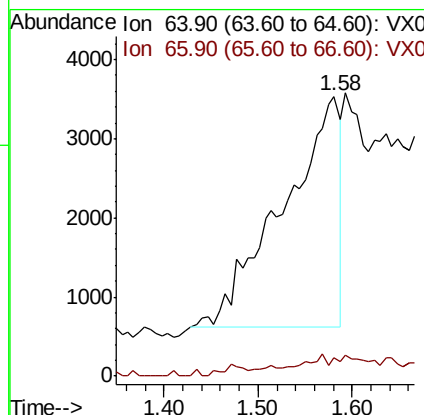
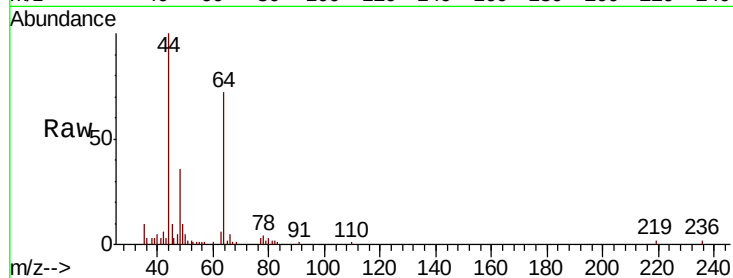




#6
 Chloroethane
 Concen: 4.95 ug/l
 RT: 1.58 min Scan# 163
 Delta R.T. -0.13 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

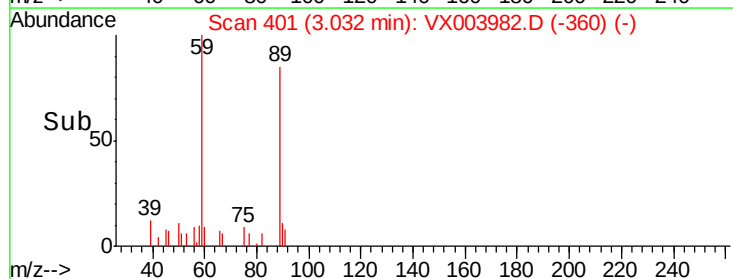
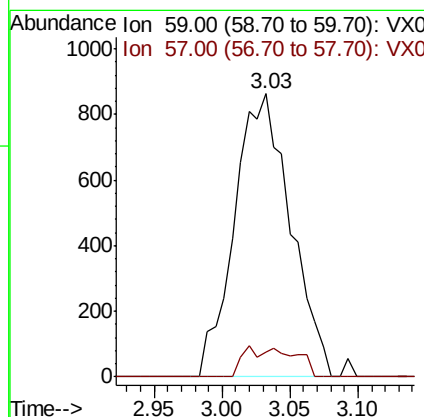
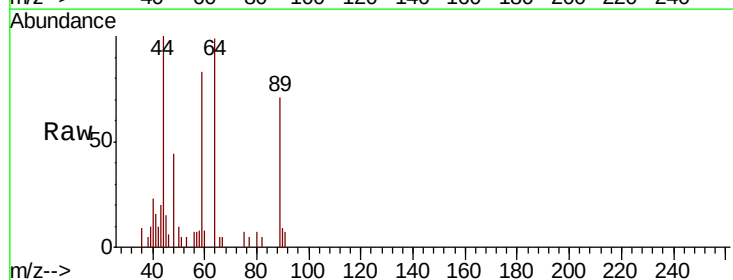
Instrument :
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 ClientSampleId :
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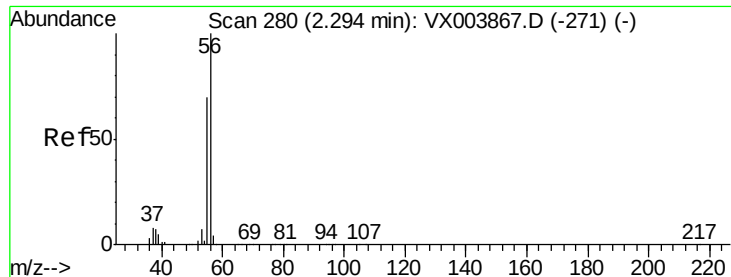
Tot Ion: 64 Resp: 12264
 Ion Ratio Lower Upper
 64 100
 66 8.0 26.5 39.7#



#11
 Tert butyl alcohol
 Concen: 2.77 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

Tgt Ion: 59 Resp: 2484
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.1 12.1#

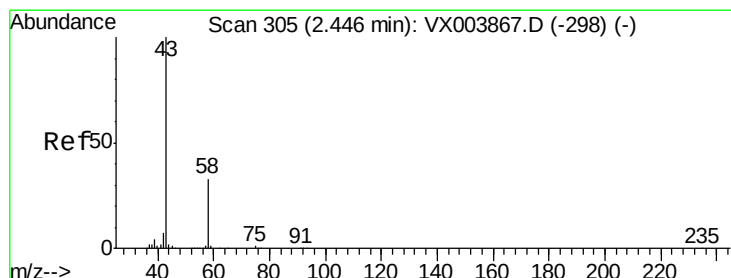
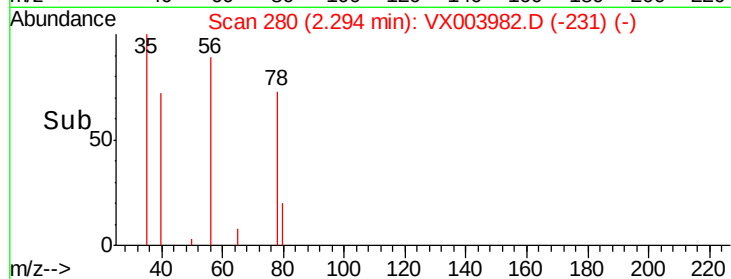
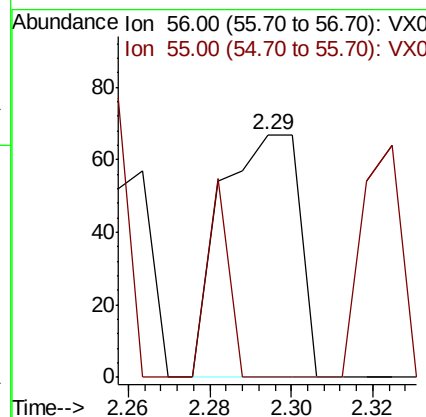
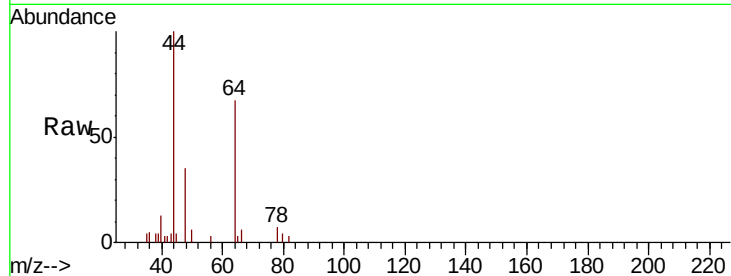




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

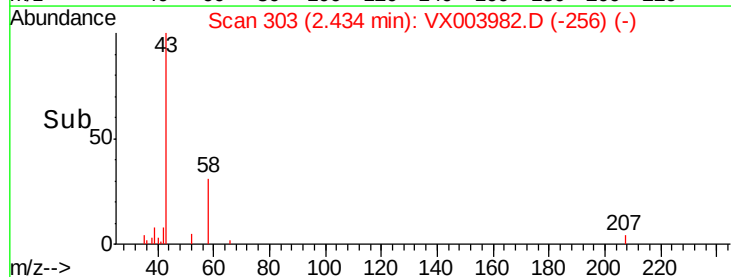
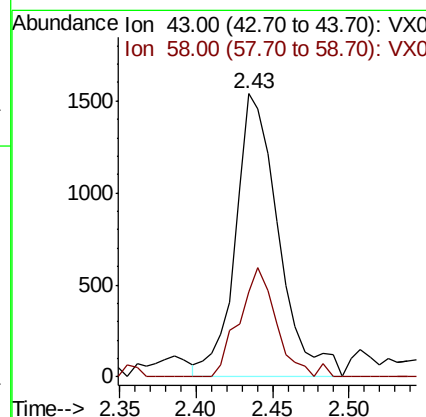
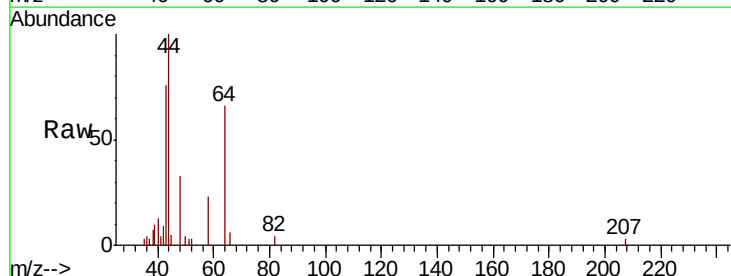
Instrument :
MSVOA_X
ClientSampleId :
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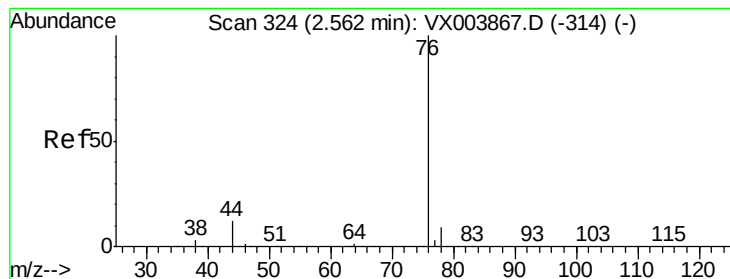
Tot Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 22.2 56.1 84.1#



#16
Acetone
Concen: 1.35 ug/l
RT: 2.43 min Scan# 303
Delta R.T. -0.01 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

Tgt Ion: 43 Resp: 2998
Ion Ratio Lower Upper
43 100
58 29.9 26.4 39.6





#17

Carbon Disulfide

Concen: 0.52 ua/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

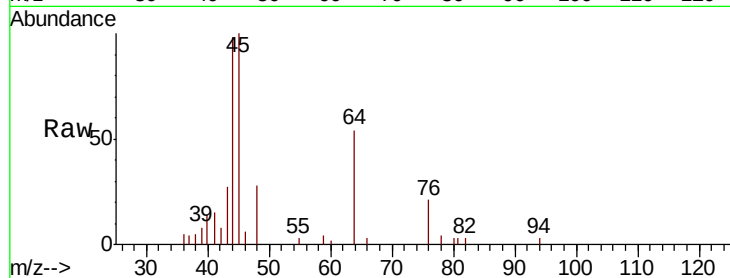
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Tot Ion: 76 Resp: 683

Ion Ratio Lower Upper

76 100

78 20.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

200

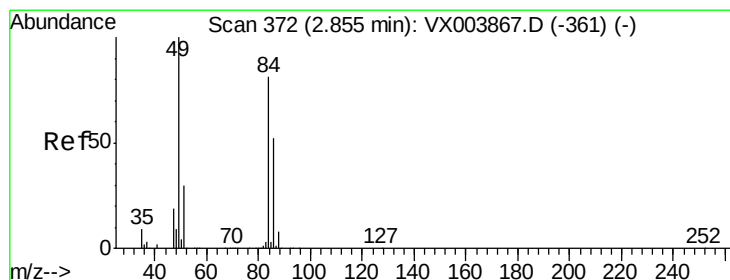
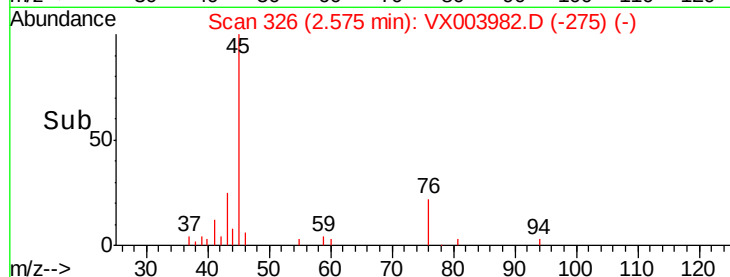
100

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

Tgt Ion: 84 Resp: 3049

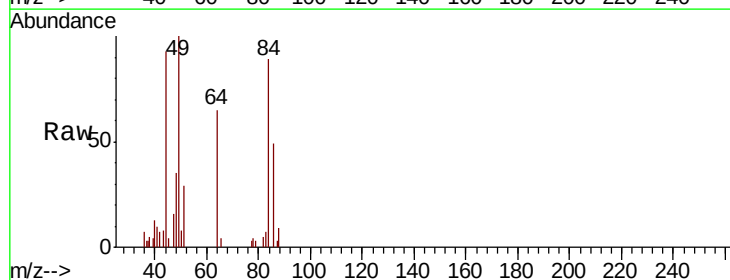
Ion Ratio Lower Upper

84 100

49 112.9 98.9 148.3

51 32.7 29.9 44.9

86 55.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2500

2000

1500

1000

500

0

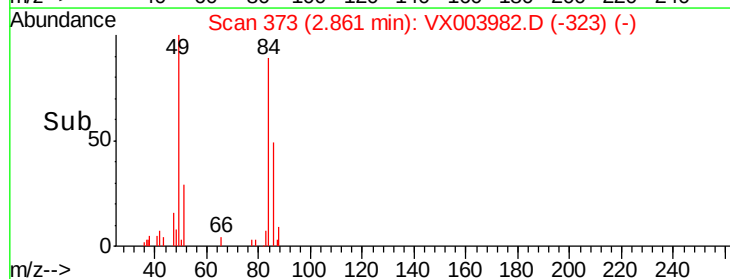
2.80

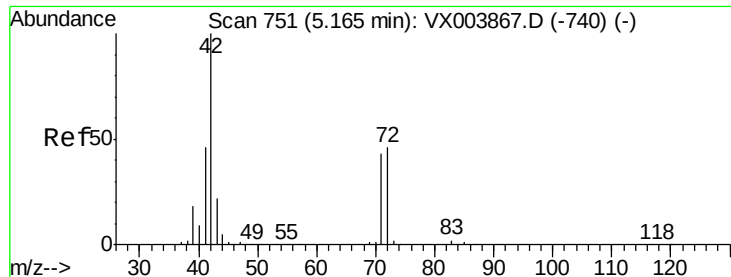
2.85

2.90

2.95

Time-->





#29

Tetrahydrofuran

Concen: 0.92 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampled :

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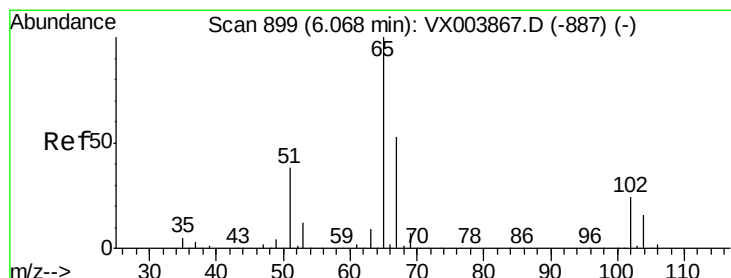
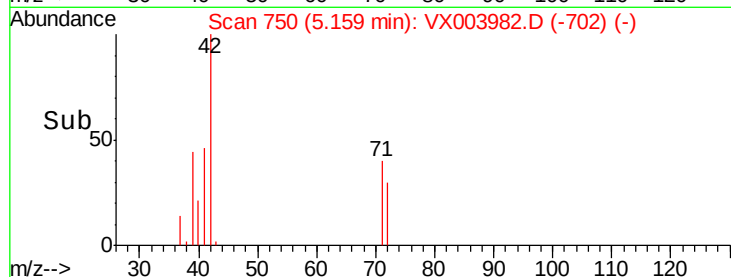
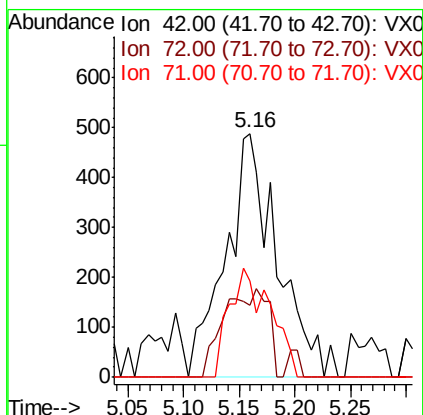
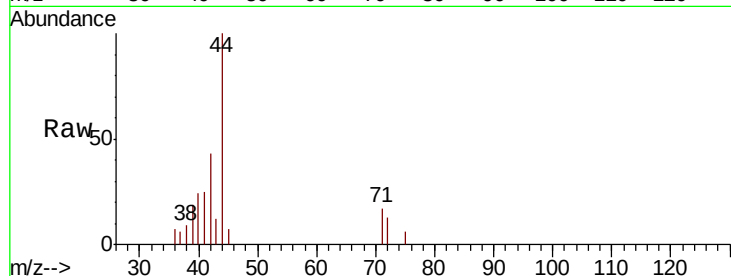
Tot Ion: 42 Resp: 1574

Ion Ratio Lower Upper

42 100

72 20.1 37.7 56.5#

71 35.6 35.0 52.6



#33

1,2-Dichloroethane-d4

Concen: 55.31 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003982.D

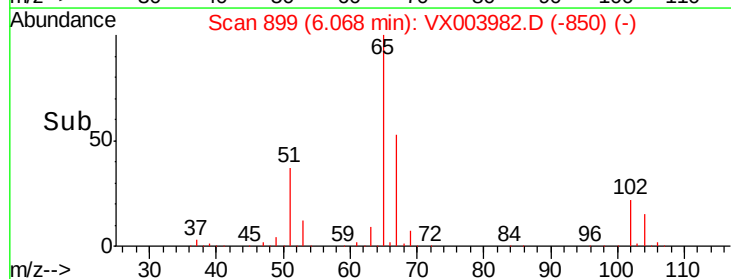
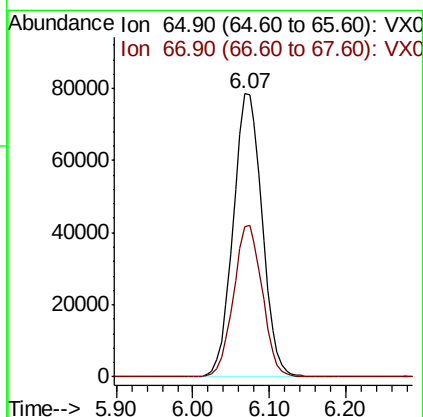
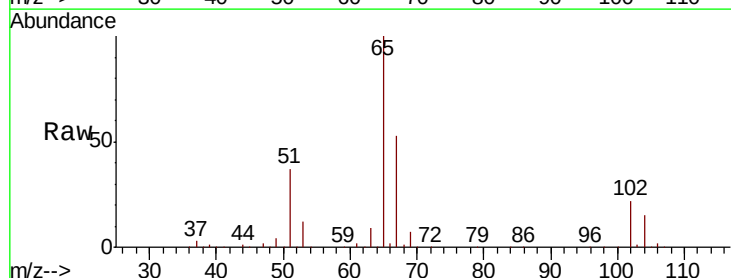
Acq: 10 Aug 2018 17:37

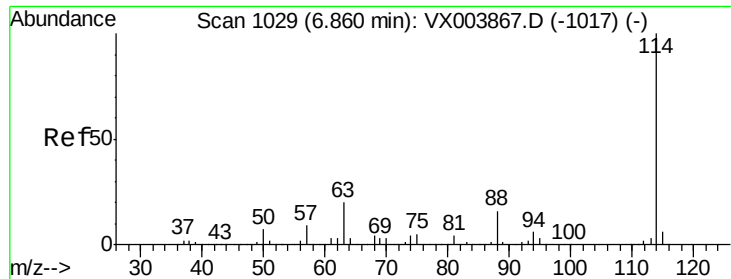
Tgt Ion: 65 Resp: 206297

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8

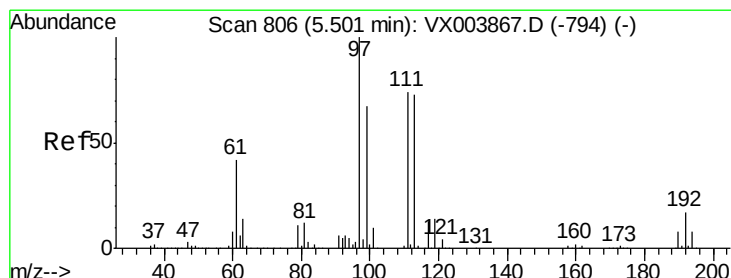
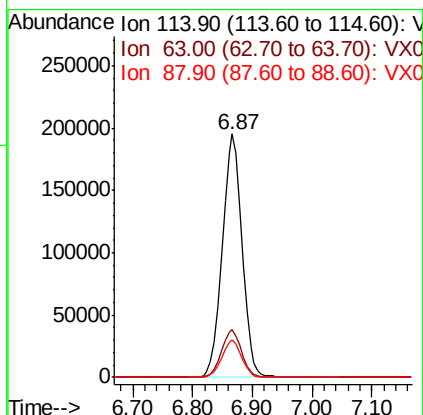
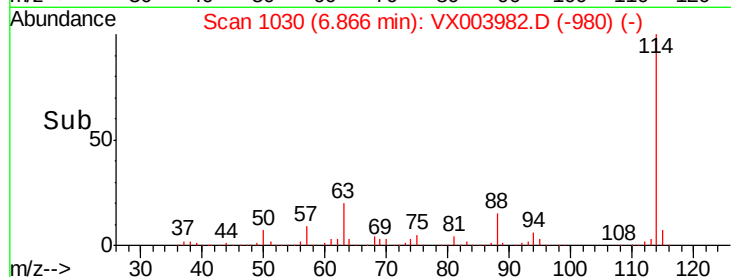
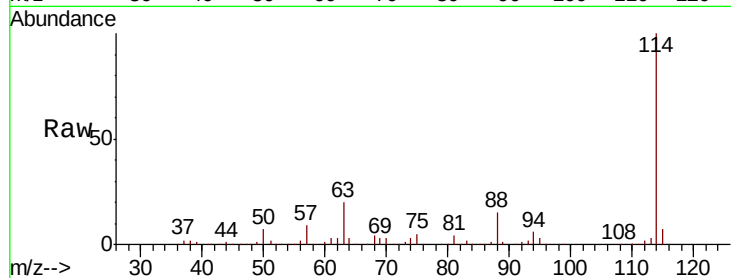




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

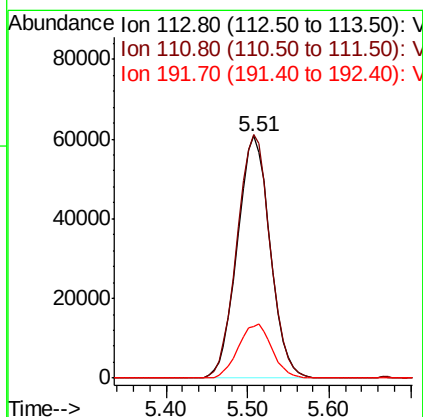
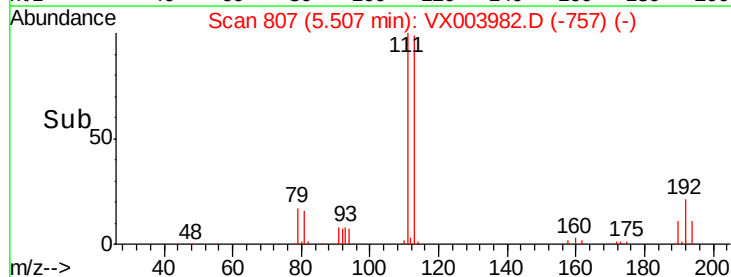
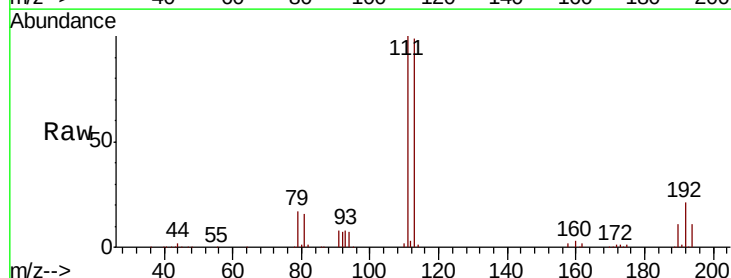
Instrument :
MSVOA_X
ClientSampled :
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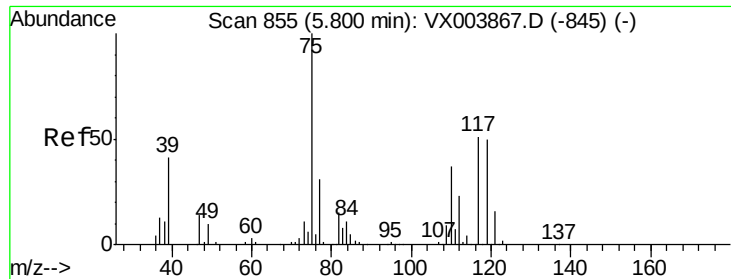
Tot Ion:114 Resp: 449919
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.0
88 15.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.80 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

Tgt Ion:113 Resp: 169736
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 22.7 19.0 28.4

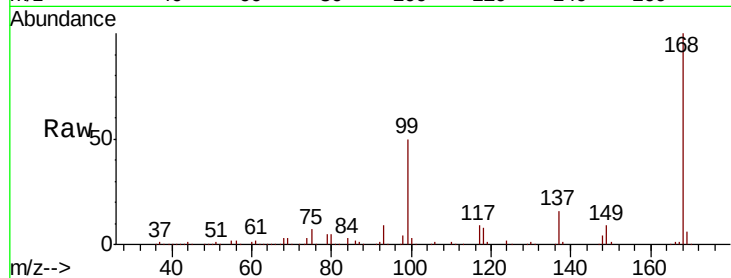




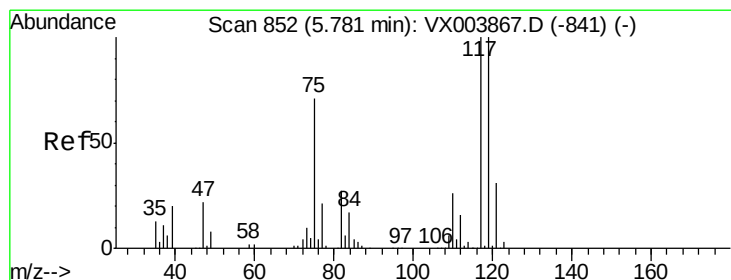
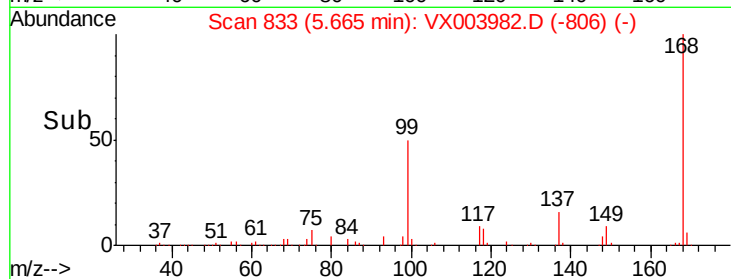
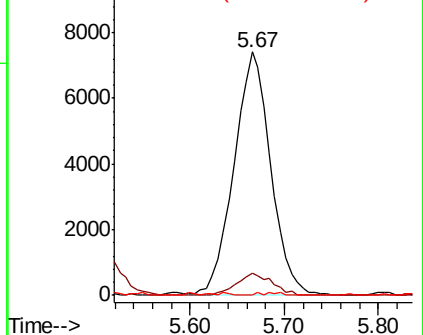
#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
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Tot Ion	75	Resp	20191
Ion Ratio	100	Lower	Upper
110	8.7	18.2	54.6#
77	0.6	25.0	37.4#

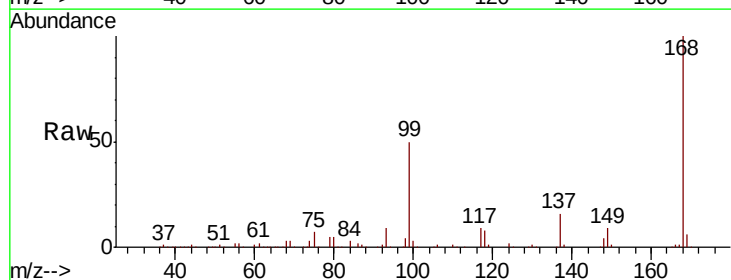


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

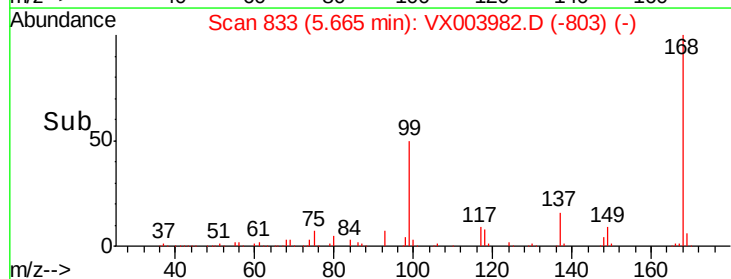
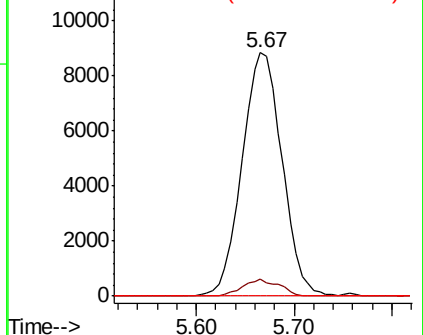


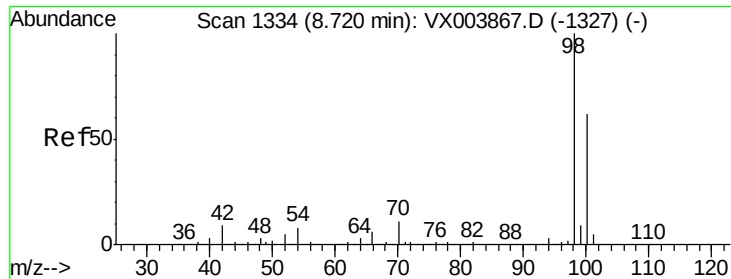
#38
 Carbon Tetrachloride
 Concen: 5.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

Tgt Ion	117	Resp	25077
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.9	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: 47.44 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

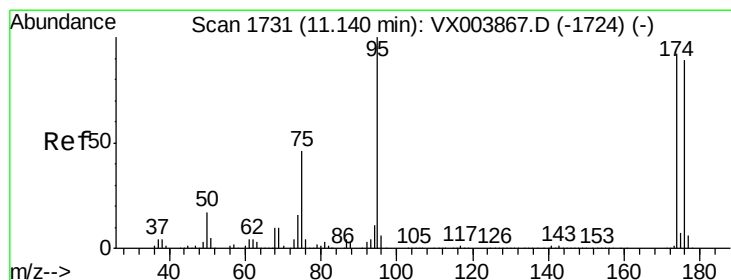
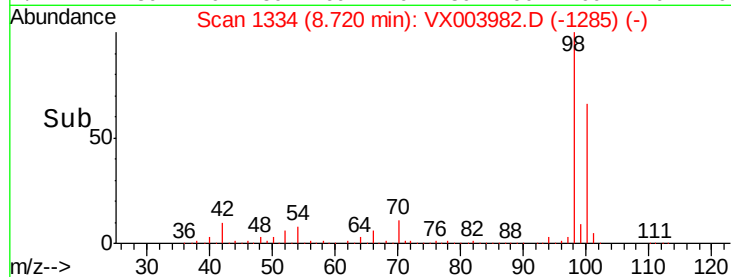
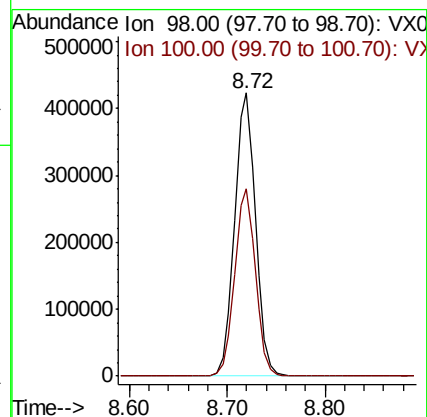
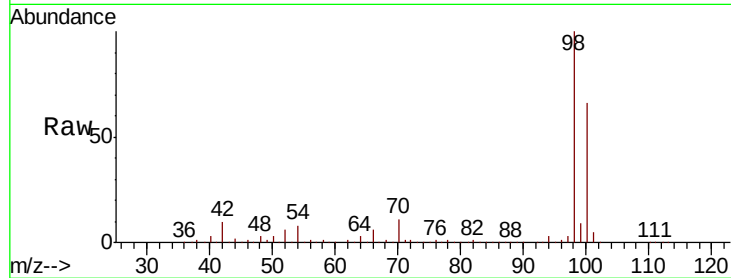
FIELD-BLANK

Tot Ion: 98 Resp: 628822

Ion Ratio Lower Upper

98 100

100 66.0 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 48.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

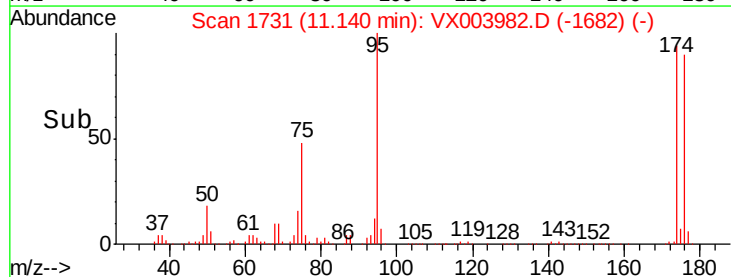
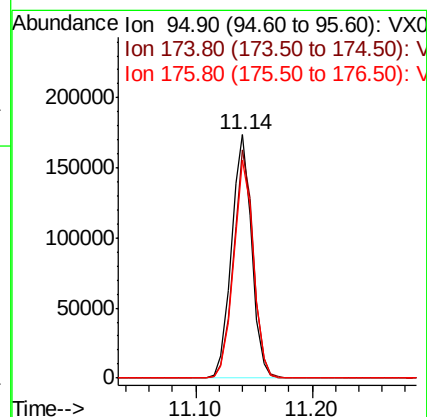
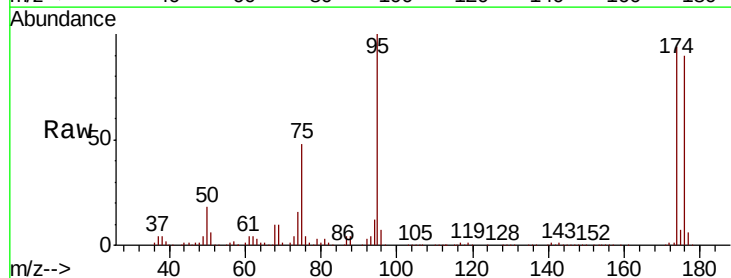
Tgt Ion: 95 Resp: 207241

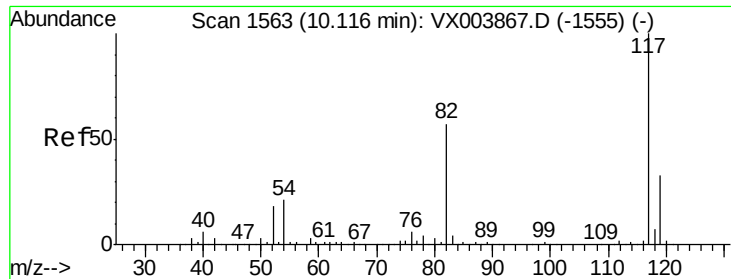
Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

176 88.8 0.0 179.0

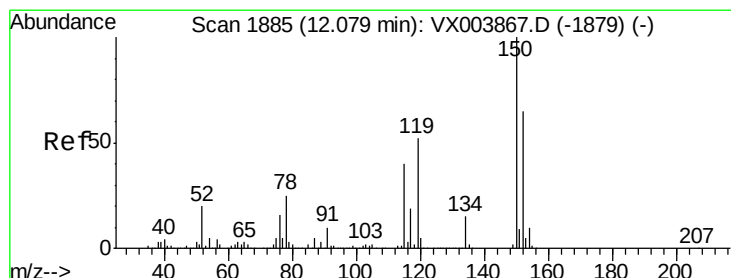
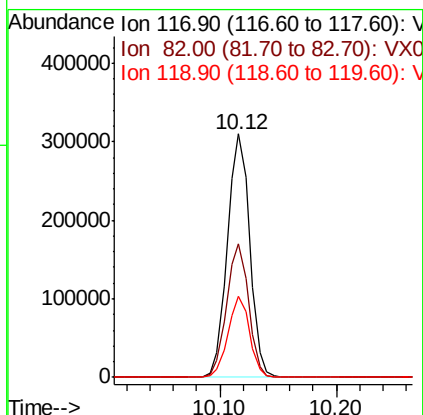
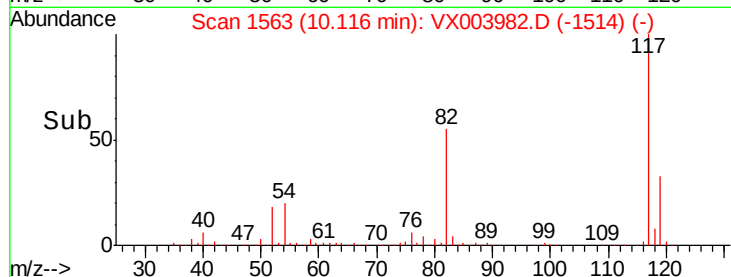
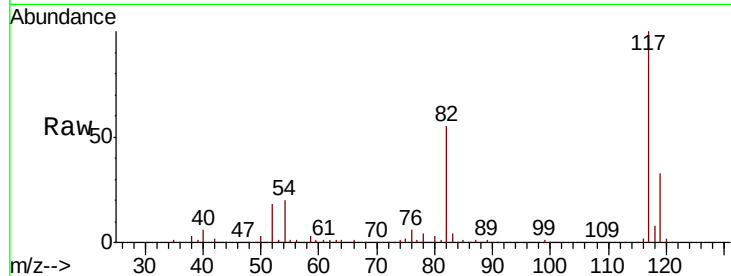




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

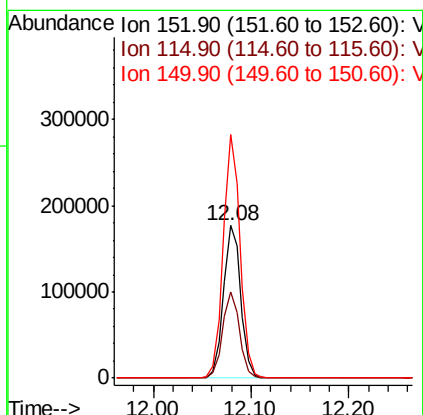
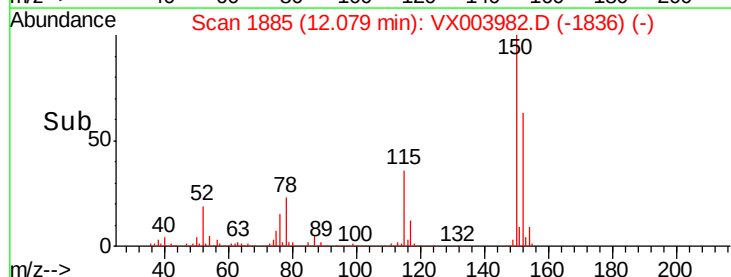
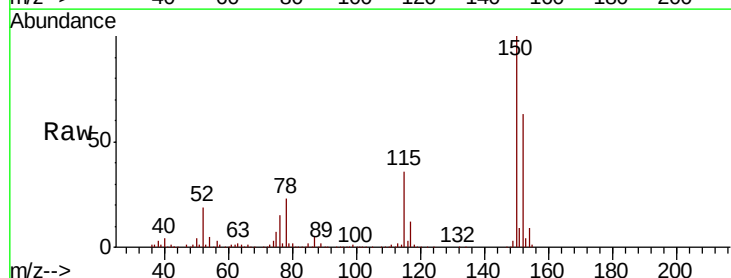
Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

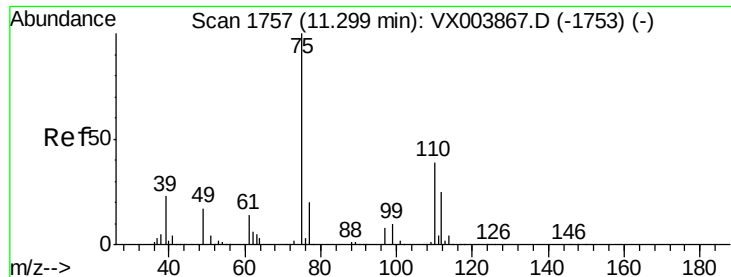
Tot Ion:117 Resp: 413444
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 33.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003982.D
Acq: 10 Aug 2018 17:37

Tgt Ion:152 Resp: 216159
Ion Ratio Lower Upper
152 100
115 55.3 39.1 117.3
150 155.6 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 21.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

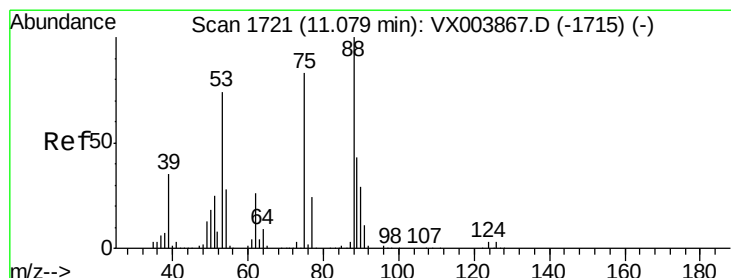
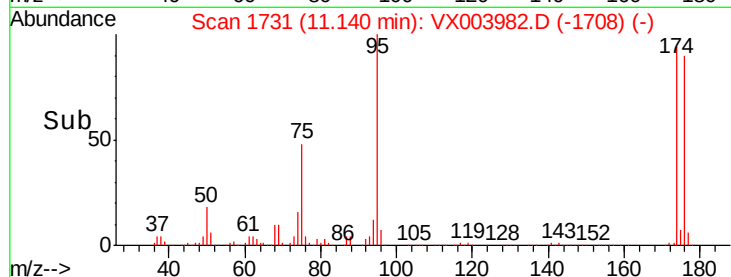
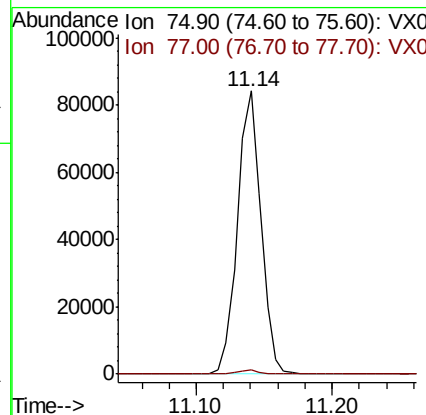
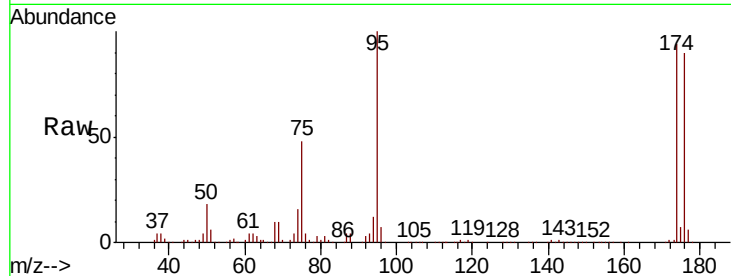
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Tot Ion: 75 Resp: 101040

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003982.D

Acq: 10 Aug 2018 17:37

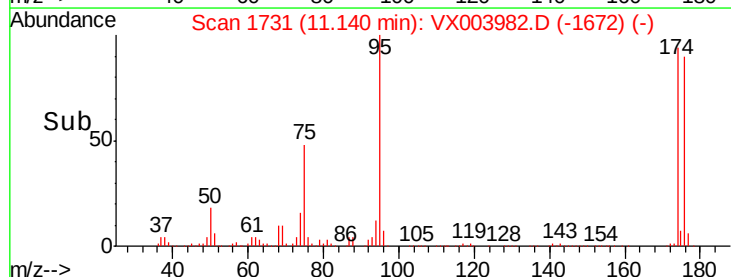
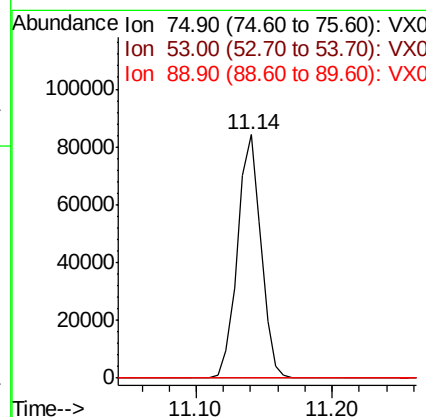
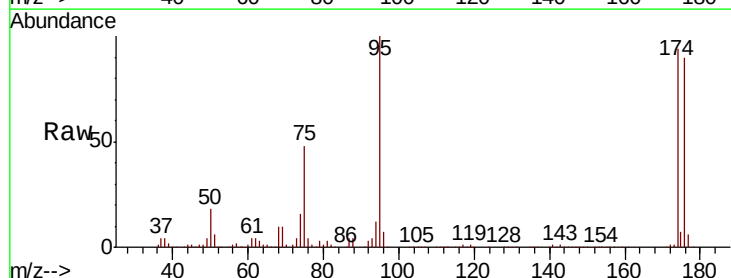
Tgt Ion: 75 Resp: 101040

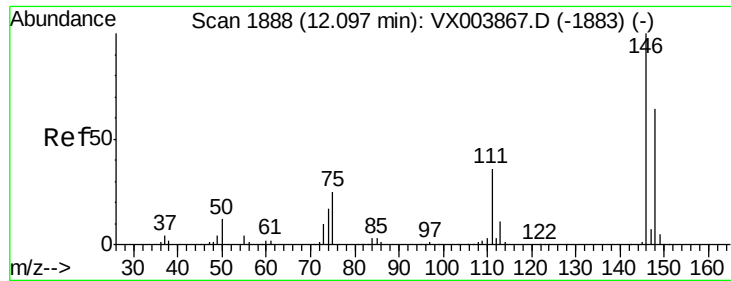
Ion Ratio Lower Upper

75 100

53 0.1 80.3 120.5#

89 0.0 37.8 56.8#

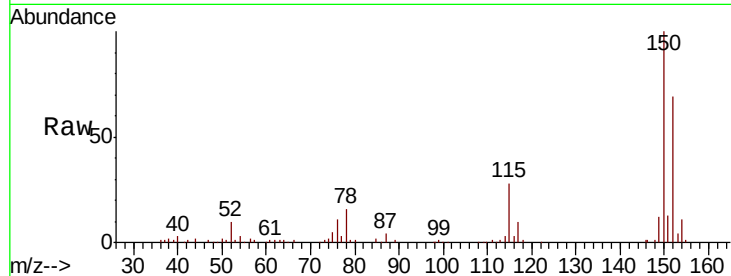




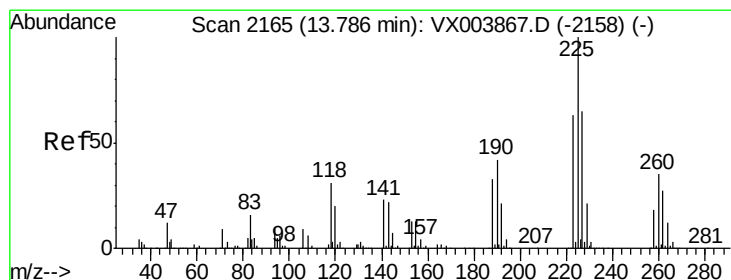
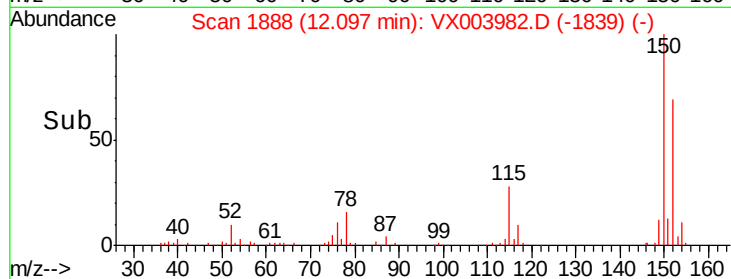
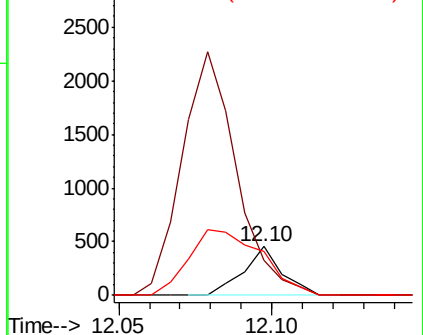
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

Instrument :
 MSVOA_X
 ClientSampled :
 FIELD-BLANK

Tot Ion:146 Resp: 398
 Ion Ratio Lower Upper
 146 100
 111 713.1 18.4 55.0#
 148 255.8 32.3 96.8#

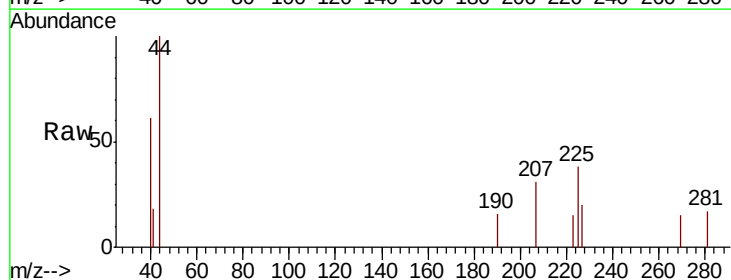


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#94
 Hexachlorobutadiene
 Concen: 0.50 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX003982.D
 Acq: 10 Aug 2018 17:37

Tgt Ion:225 Resp: 173
 Ion Ratio Lower Upper
 225 100
 223 49.1 31.4 94.0
 227 29.5 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

