

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
 Data File : VX003651.D
 Acq On : 25 Jul 2018 11:00
 Operator : JC/SP
 Sample : VX0725WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Quant Time: Jul 27 04:32:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	159130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83165	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	82738	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	5.50	113	71793	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
50) Toluene-d8	8.72	98	258939	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	90215	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

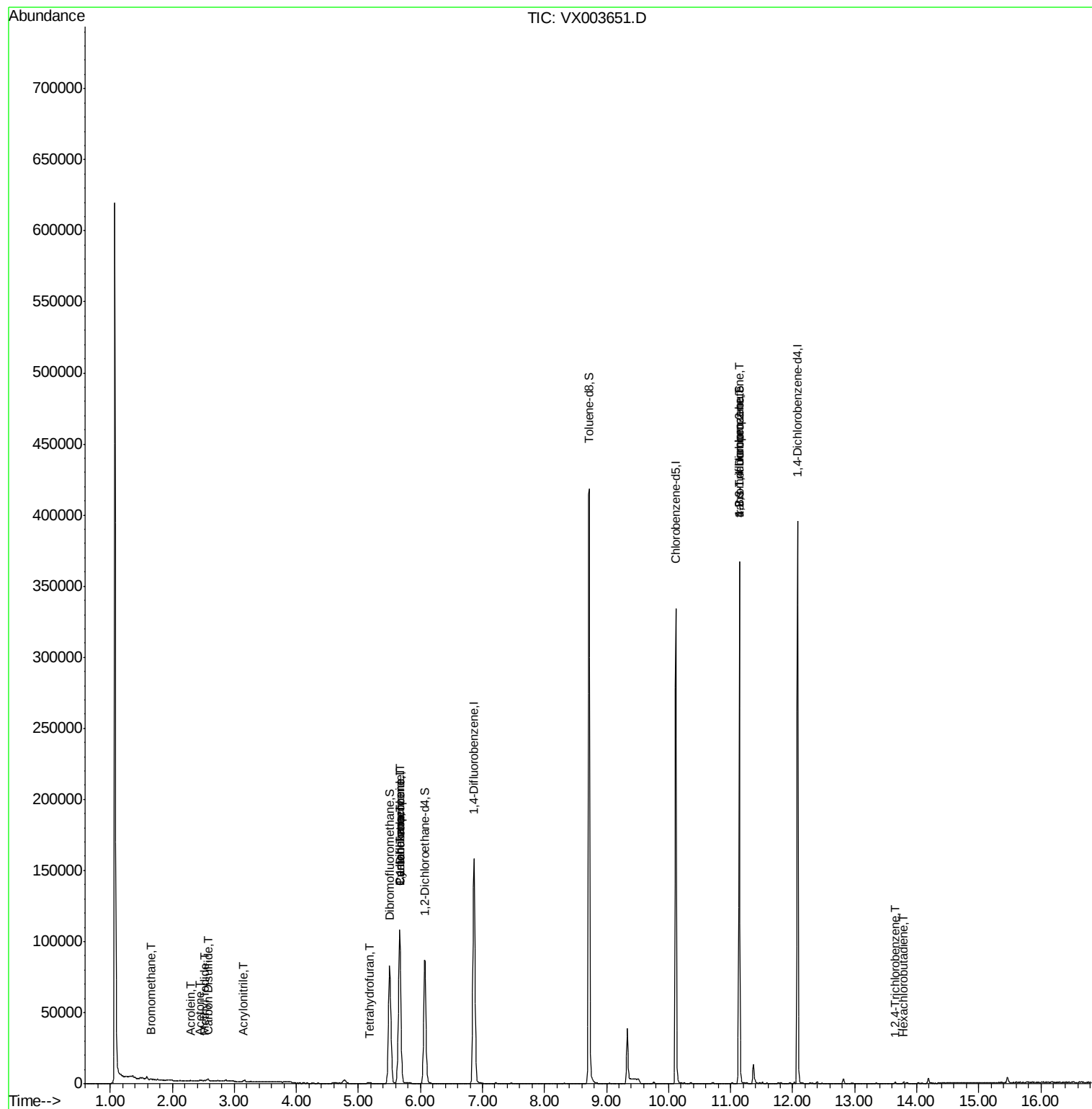
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	172	0.216	ug/l #	68
10) Methyl Iodide	2.51	142	255	3.309	ug/l #	63
13) Acrolein	2.29	56	97	4.530	ug/l #	67
15) Acrylonitrile	3.15	53	359	0.391	ug/l #	89
16) Acetone	2.45	43	635	0.851	ug/l #	79
17) Carbon Disulfide	2.57	76	1482	0.415	ug/l	95
29) Tetrahydrofuran	5.18	42	566	0.754	ug/l #	64
31) Cyclohexane	5.67	56	2024	0.947	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	7413	3.985	ug/l #	49
38) Carbon Tetrachloride	5.67	117	9239	5.153	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	44915	25.749	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	44915	79.776	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	429	0.205	ug/l	91
94) Hexachlorobutadiene	13.79	225	281	0.290	ug/l	82

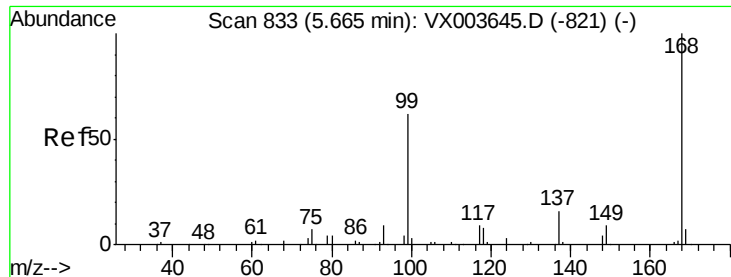
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
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Quant Time: Jul 27 04:32:03 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003651.D

Acq: 25 Jul 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

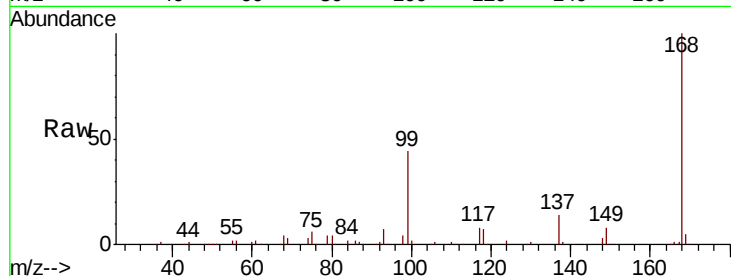
VX0725WBL01

Tgt Ion: 168 Resp: 107272

Ion Ratio Lower Upper

168 100

99 44.4 49.5 74.3#



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

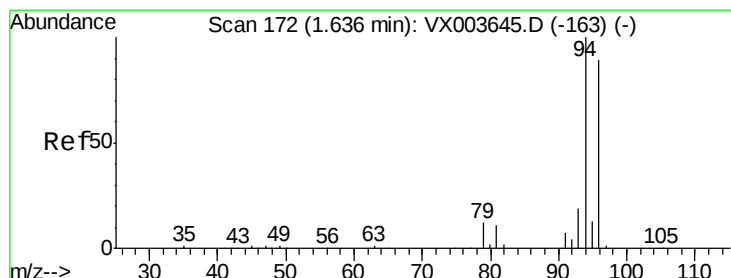
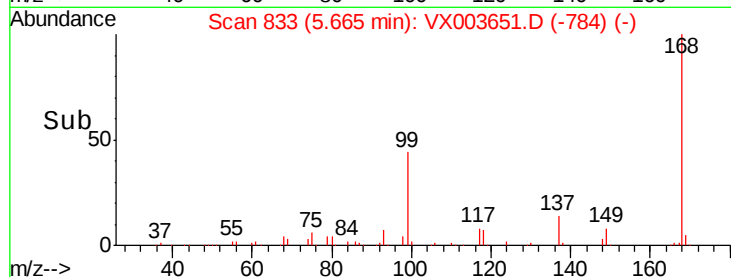
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003651.D

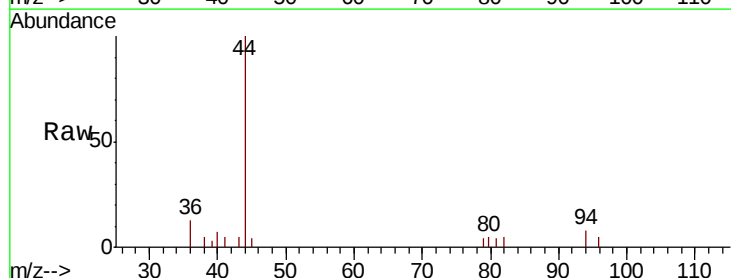
Acq: 25 Jul 2018 11:00

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 59.4 71.3 106.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

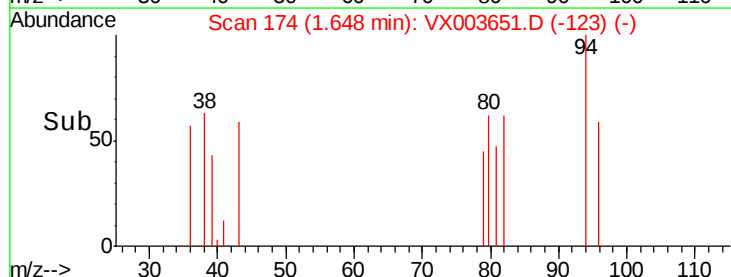
150

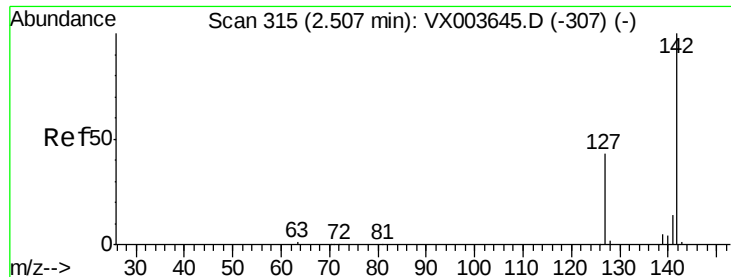
100

50

0

Time--> 1.62 1.64 1.66 1.68

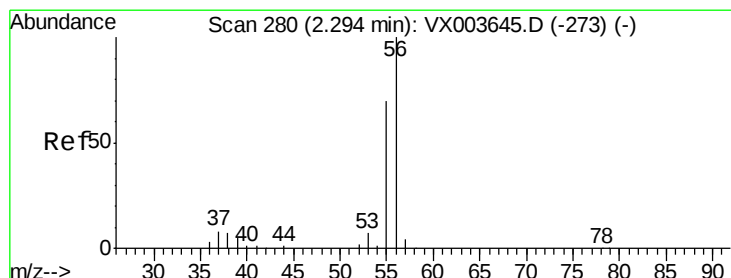
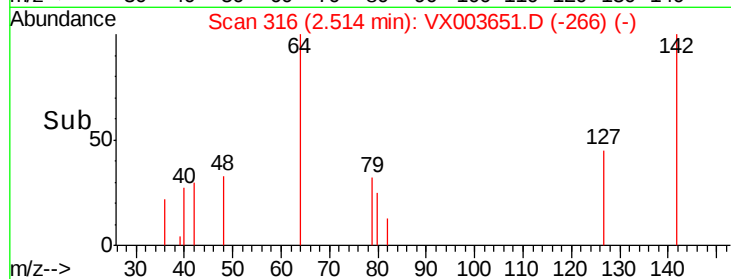
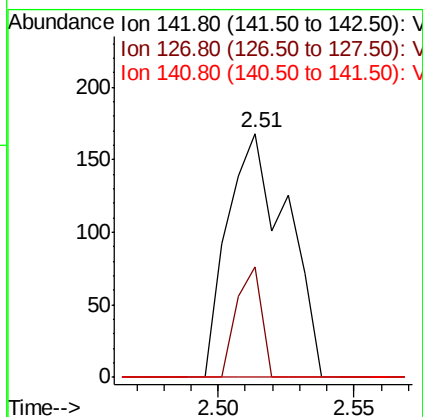
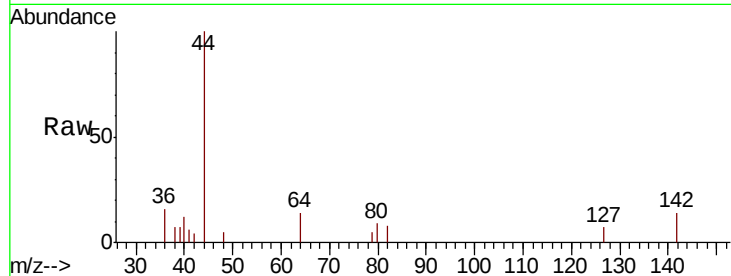




#10
Methyl Iodide
Concen: 3.309 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

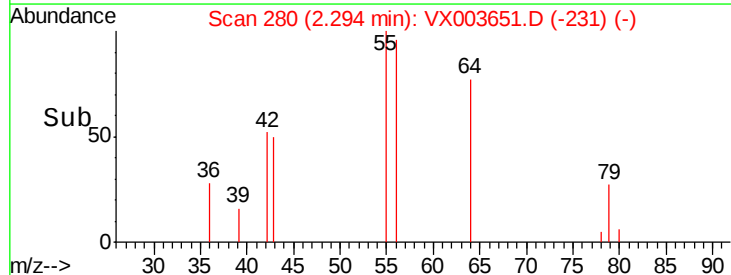
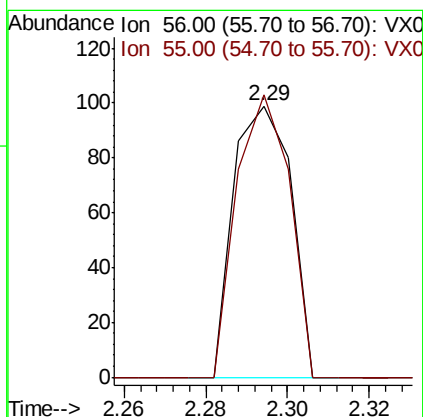
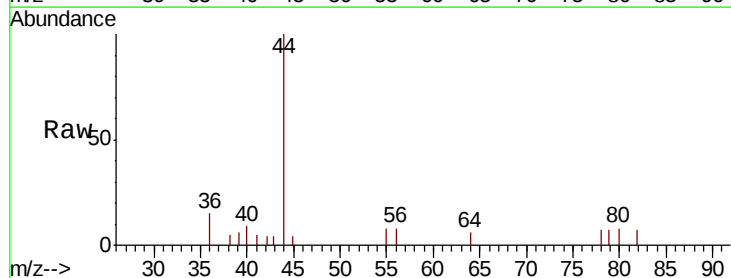
Instrument :
MSVOA_X
ClientSampleId :
VX0725WBL01

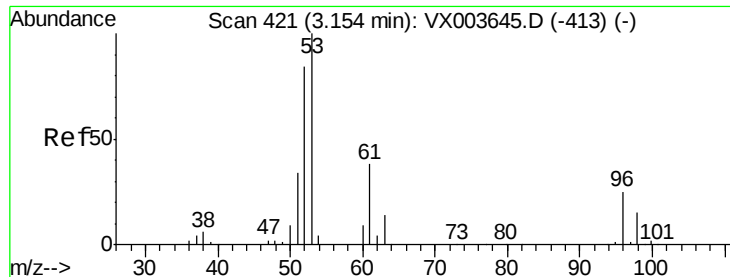
Tgt Ion: 142 Resp: 255
Ion Ratio Lower Upper
142 100
127 18.8 34.0 51.0#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 4.530 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 95.9 55.4 83.2#





#15

Acrylonitrile

Concen: 0.391 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003651.D

Acq: 25 Jul 2018 11:00

Instrument :

MSVOA_X

ClientSampled :

VX0725WBL01

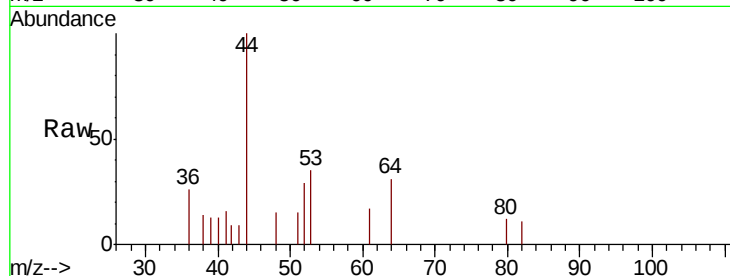
Tgt Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 80.2 66.1 99.1

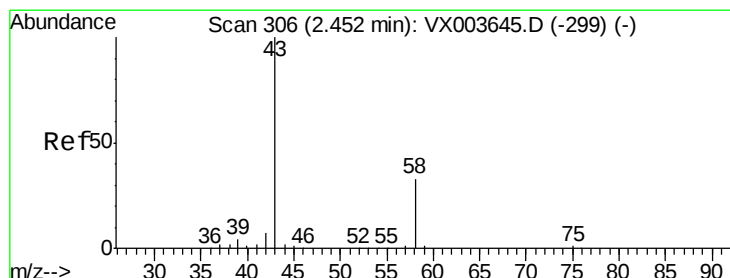
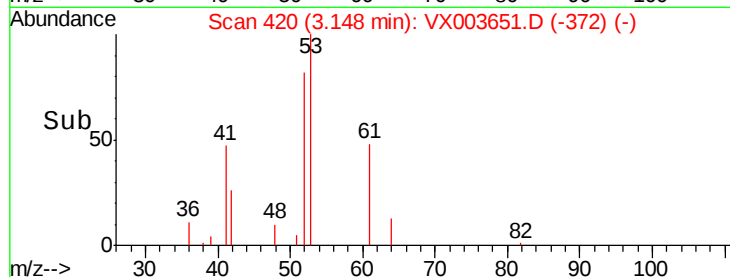
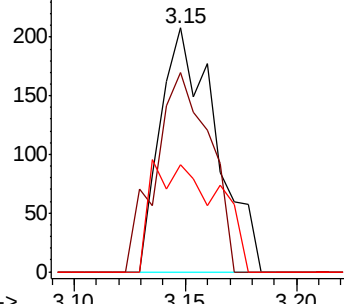
51 53.2 28.2 42.4#



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: 0.851 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003651.D

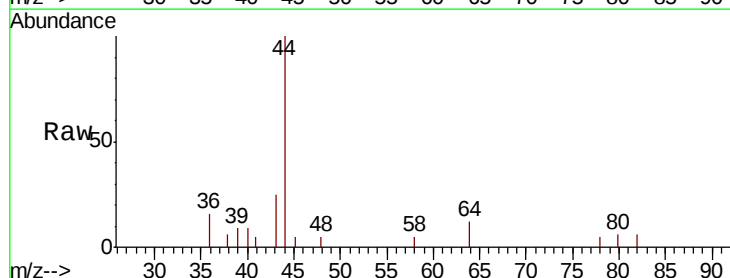
Acq: 25 Jul 2018 11:00

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

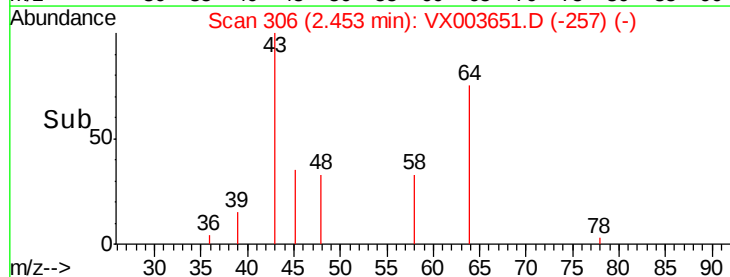
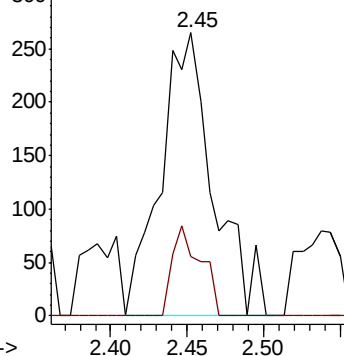
43 100

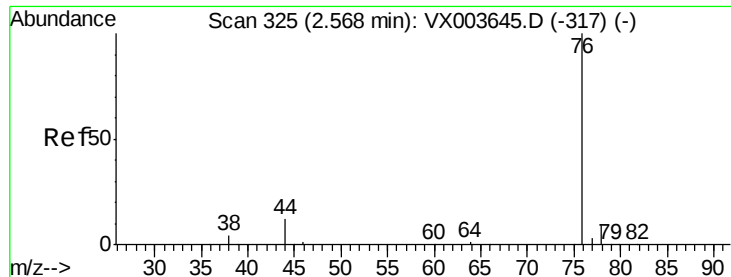
58 20.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

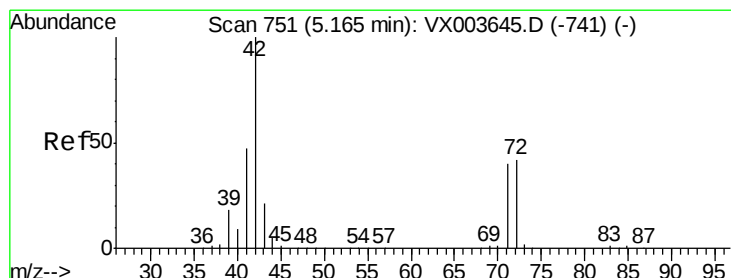
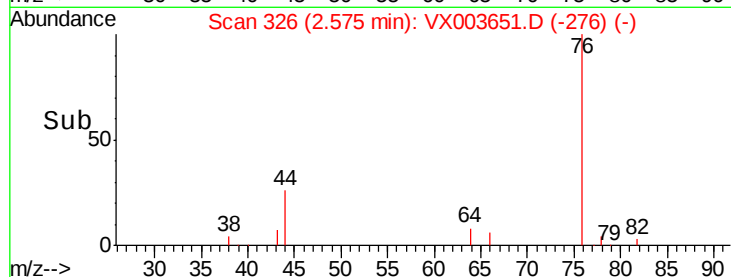
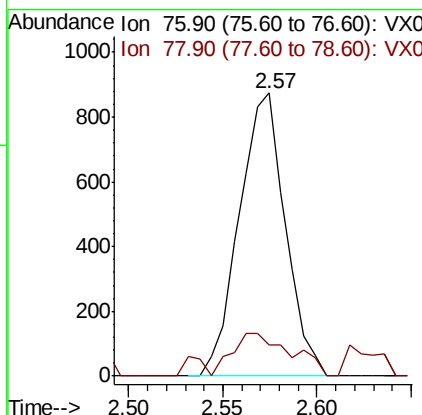
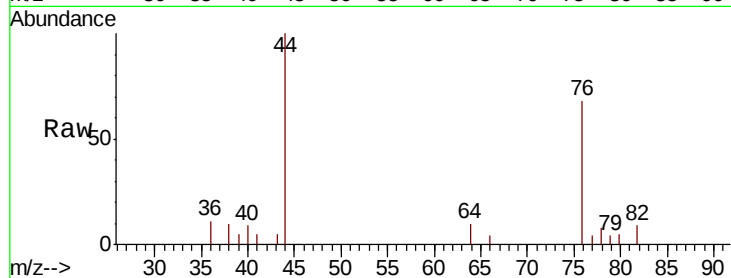




#17
Carbon Disulfide
Concen: 0.415 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

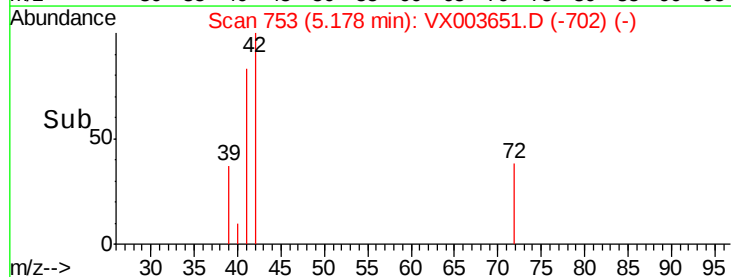
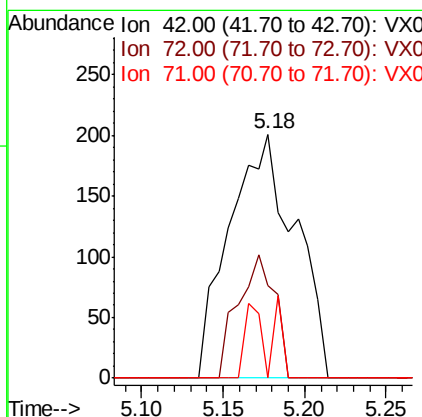
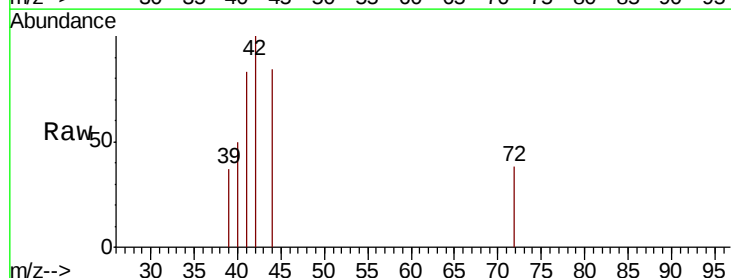
Instrument :
MSVOA_X
ClientSampleId :
VX0725WBL01

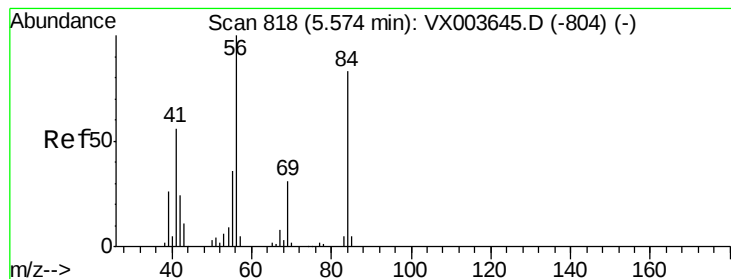
Tgt Ion: 76 Resp: 1482
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0



#29
Tetrahydrofuran
Concen: 0.754 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

Tgt Ion: 42 Resp: 566
Ion Ratio Lower Upper
42 100
72 28.1 33.4 50.0#
71 7.4 31.0 46.6#





#31

Cyclohexane

Concen: 0.947 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003651.D

Acq: 25 Jul 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBL01

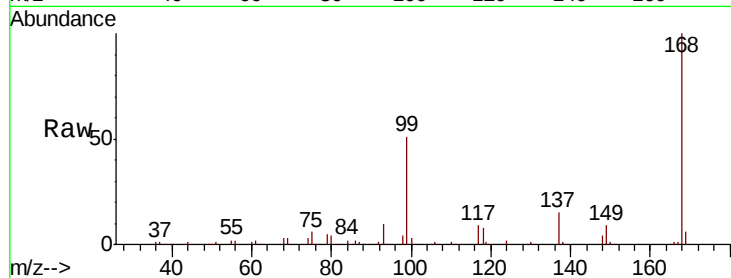
Tgt Ion: 56 Resp: 2024

Ion Ratio Lower Upper

56 100

69 152.7 25.0 37.6#

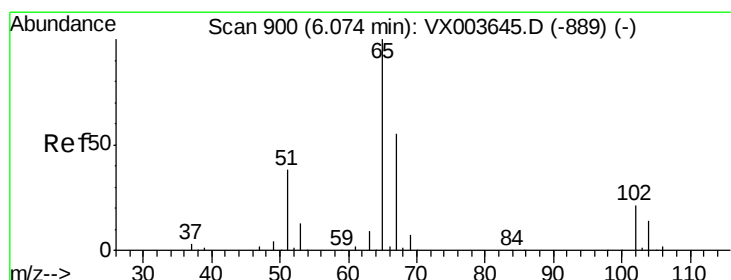
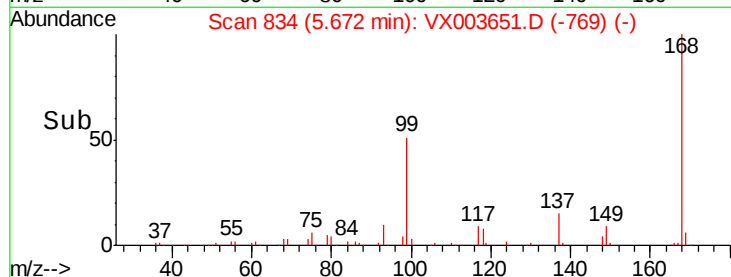
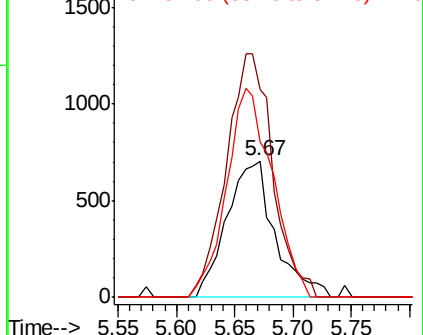
84 113.8 66.5 99.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.069 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003651.D

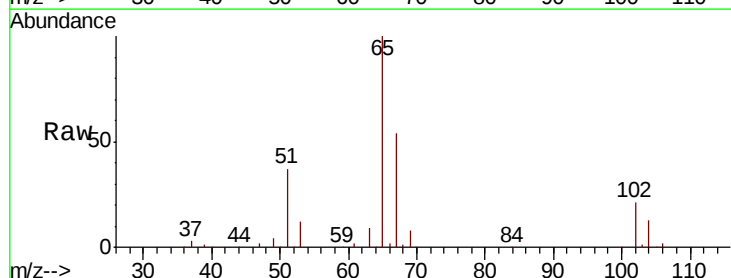
Acq: 25 Jul 2018 11:00

Tgt Ion: 65 Resp: 82738

Ion Ratio Lower Upper

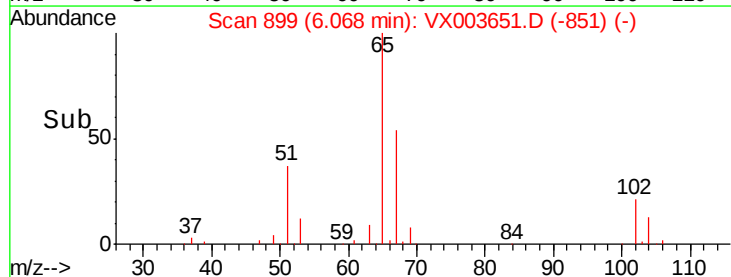
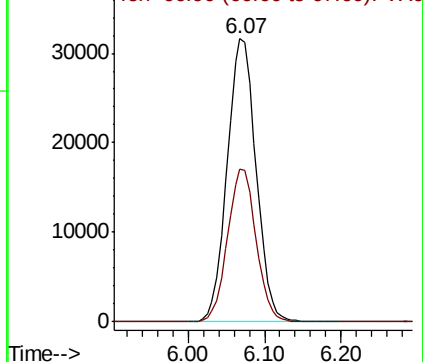
65 100

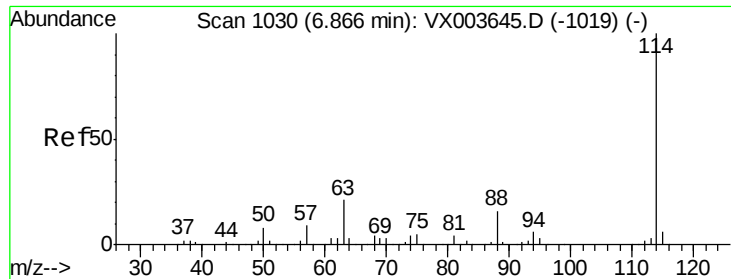
67 53.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

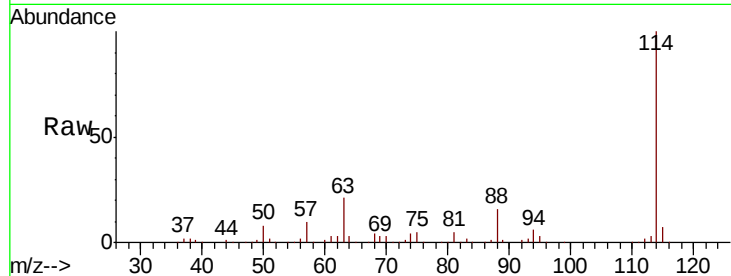




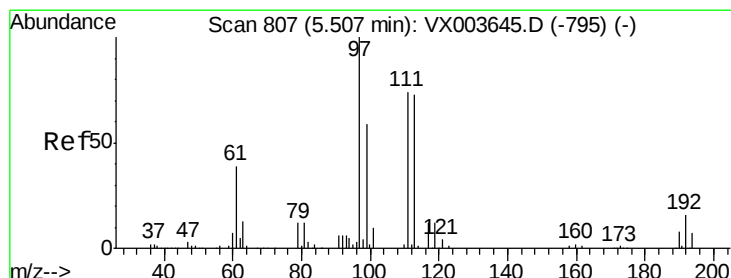
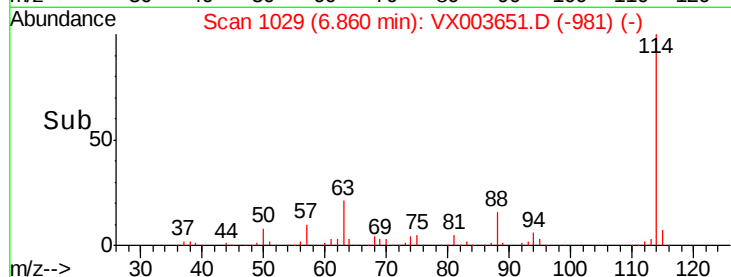
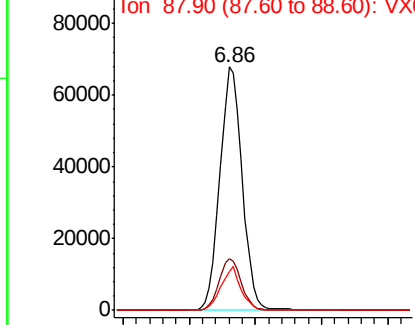
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Tgt Ion:114 Resp: 159130
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 15.9 0.0 31.8

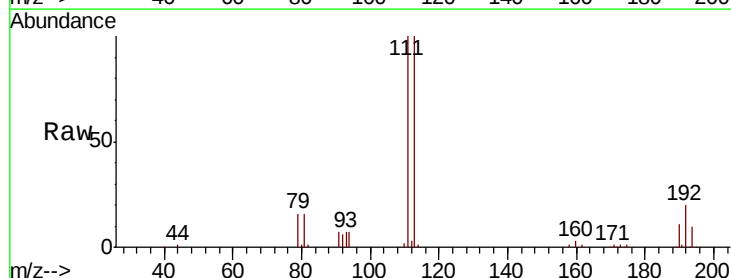


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

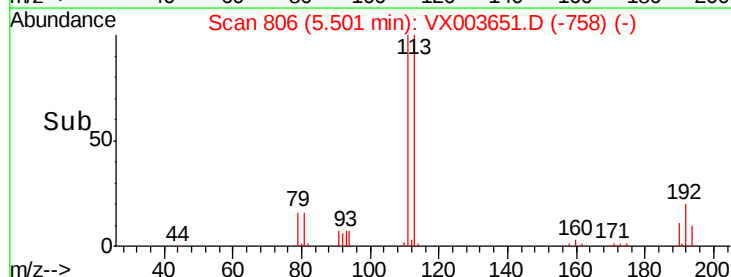
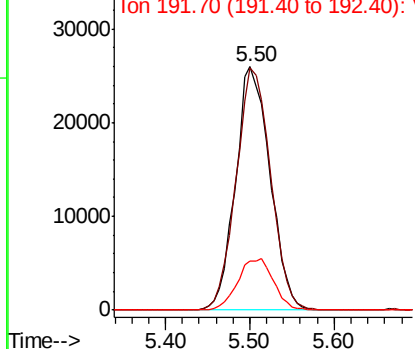


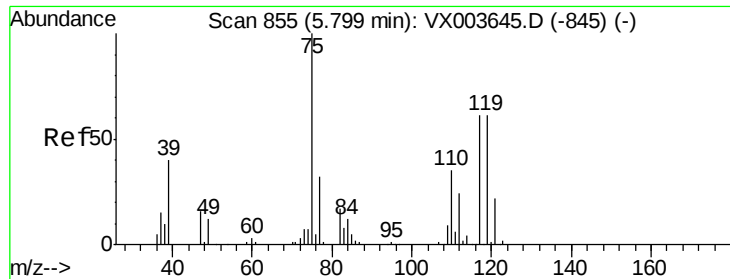
#35
 Dibromofluoromethane
 Concen: 55.189 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Tgt Ion:113 Resp: 71793
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.2 121.8
 192 21.9 18.2 27.4



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

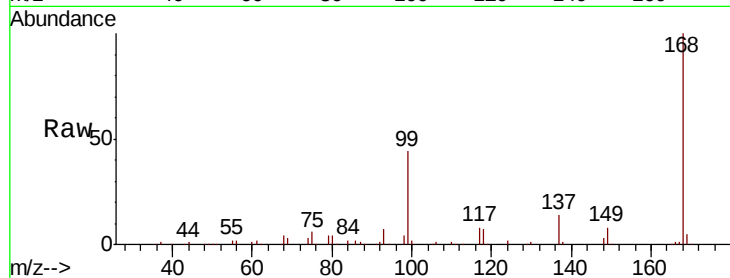




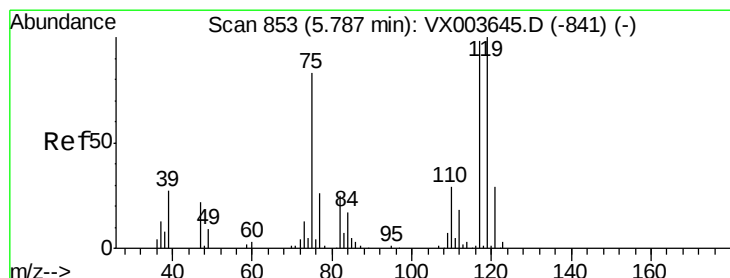
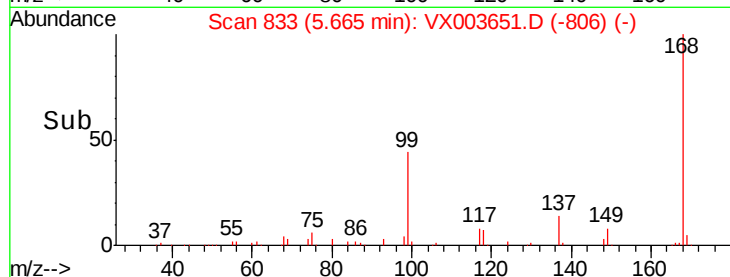
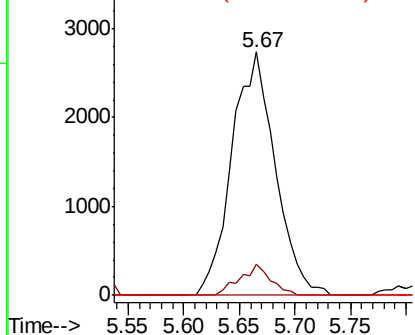
#36
 1,1-Dichloropropene
 Concen: 3.985 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Tgt Ion: 75 Resp: 7413
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.1#
 77 0.0 25.1 37.7#

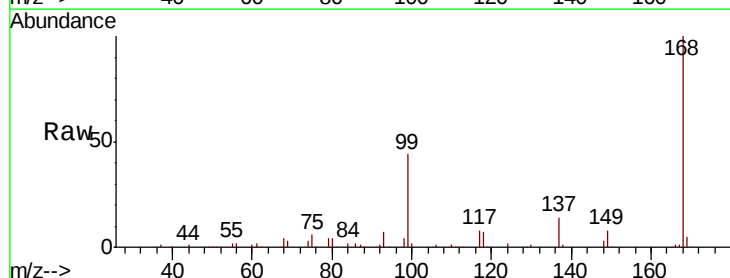


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

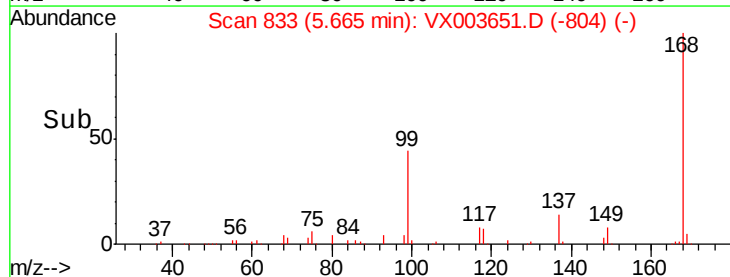
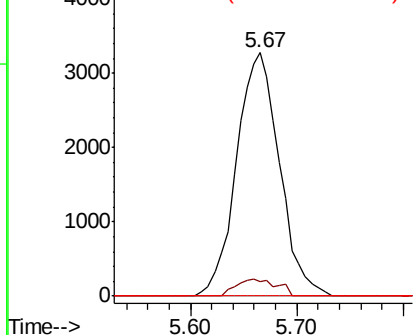


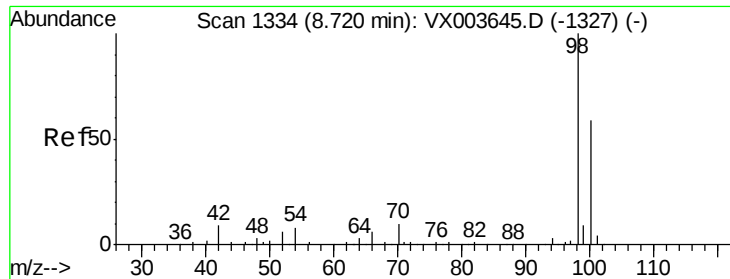
#38
 Carbon Tetrachloride
 Concen: 5.153 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Tgt Ion: 117 Resp: 9239
 Ion Ratio Lower Upper
 117 100
 119 6.0 81.0 121.4#
 121 0.0 23.7 35.5#



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

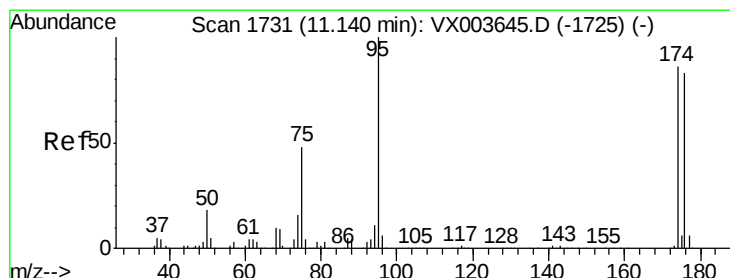
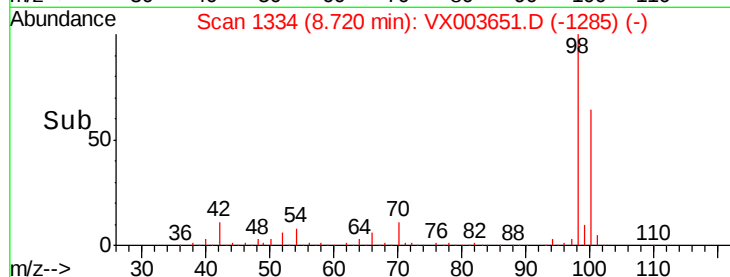
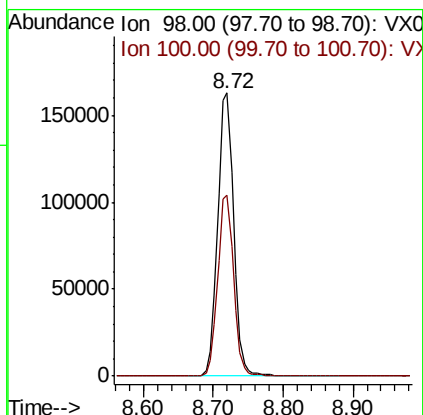
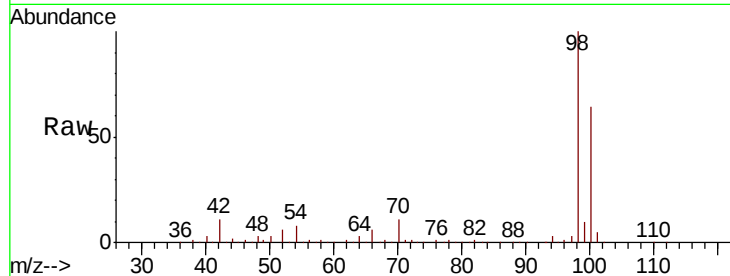




#50
Toluene-d8
Concen: 52.157 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

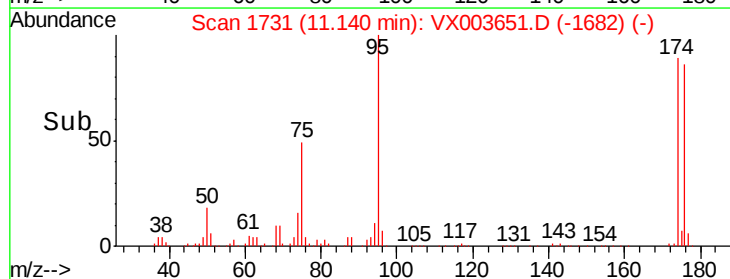
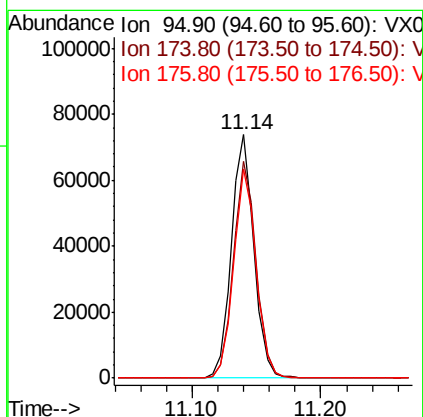
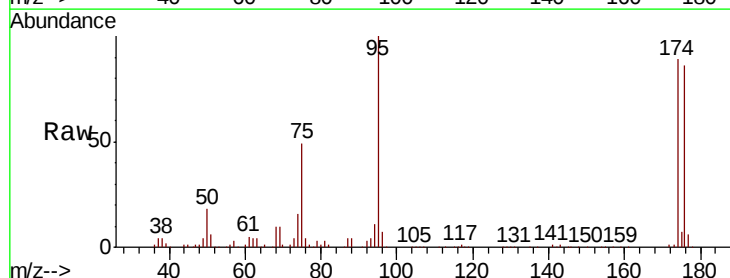
Instrument :
MSVOA_X
ClientSampleId :
VX0725WBL01

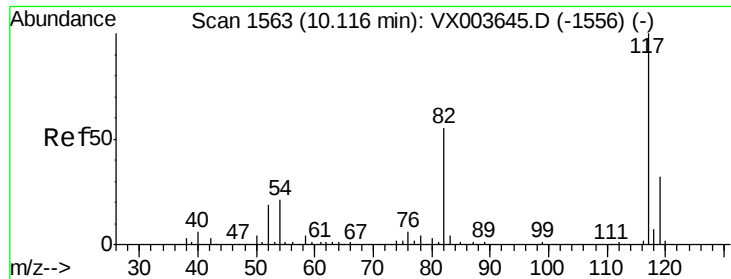
Tgt Ion: 98 Resp: 258939
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.822 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

Tgt Ion: 95 Resp: 90215
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.0
176 85.9 0.0 173.0

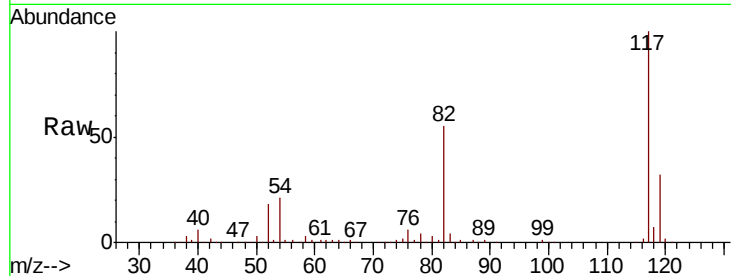




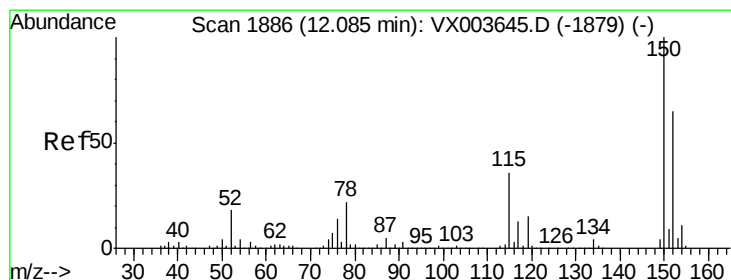
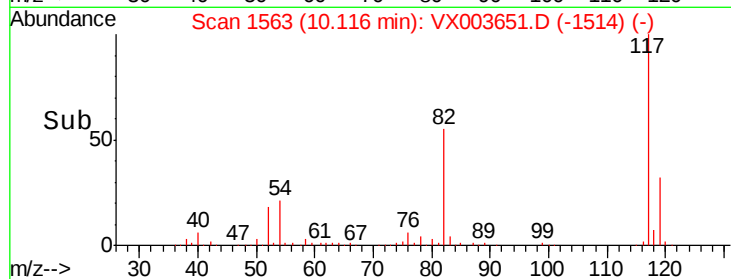
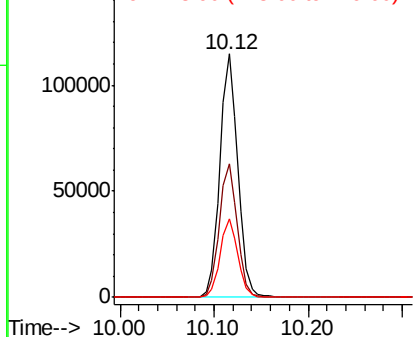
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

Instrument :
MSVOA_X
ClientSampled :
VX0725WBL01

Tgt Ion:117 Resp: 151207
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 32.1 25.6 38.4

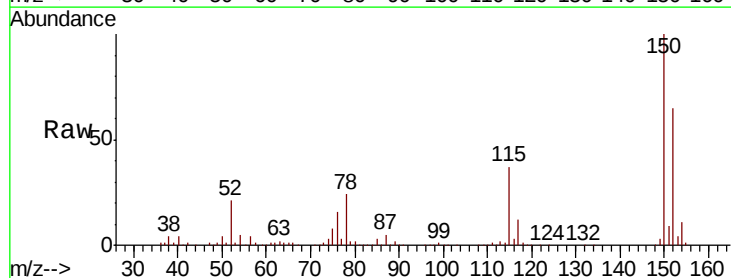


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

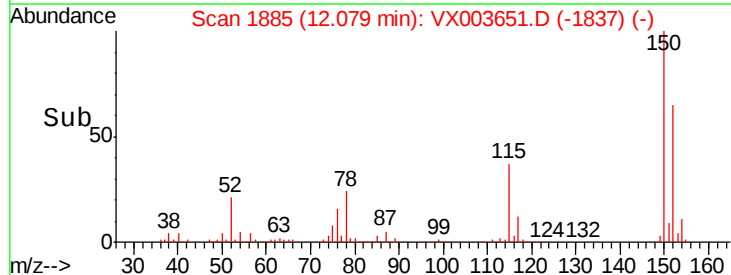
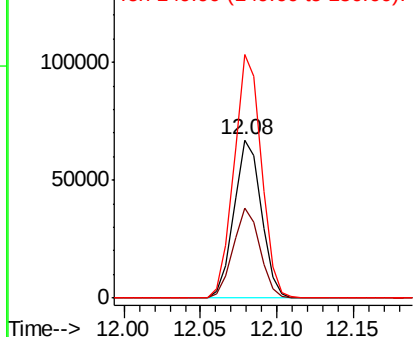


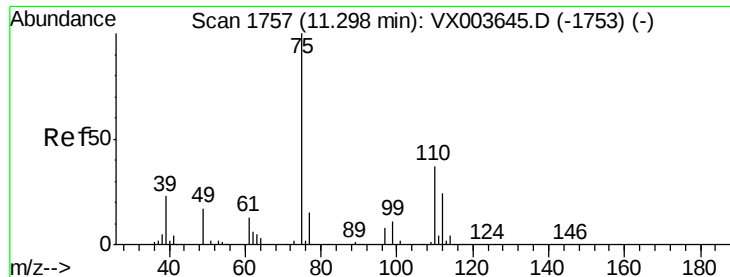
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003651.D
Acq: 25 Jul 2018 11:00

Tgt Ion:152 Resp: 83165
Ion Ratio Lower Upper
152 100
115 55.7 40.0 119.9
150 154.2 0.0 348.4



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: 25.749 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003651.D

Acq: 25 Jul 2018 11:00

Instrument :

MSVOA_X

ClientSampleId :

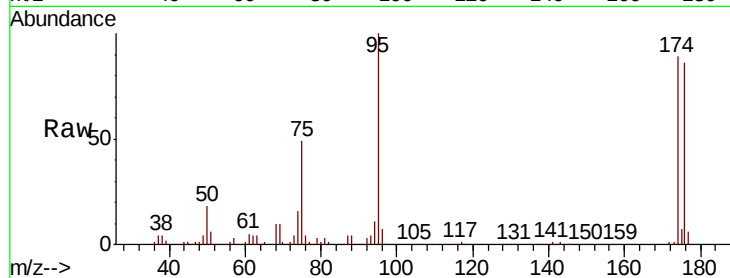
VX0725WBL01

Tgt Ion: 75 Resp: 44915

Ion Ratio Lower Upper

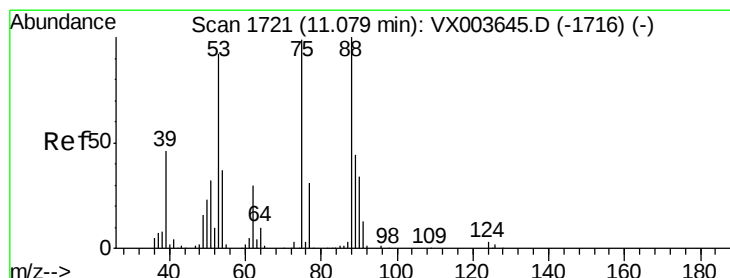
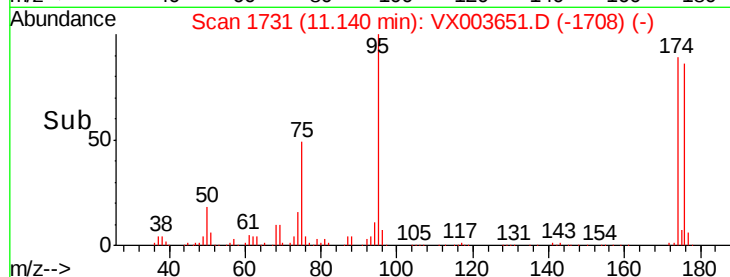
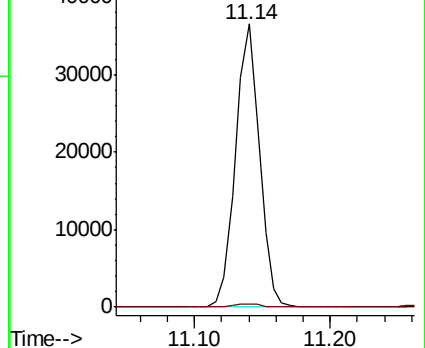
75 100

77 1.3 21.6 64.6#



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: 79.776 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003651.D

Acq: 25 Jul 2018 11:00

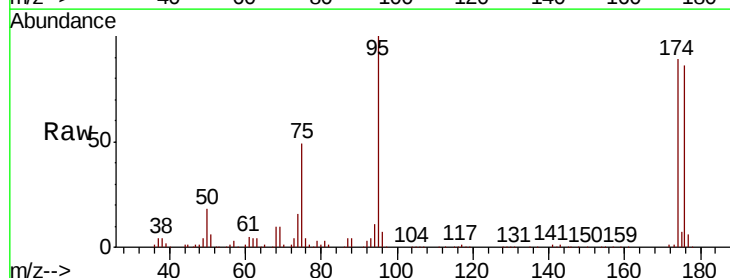
Tgt Ion: 75 Resp: 44915

Ion Ratio Lower Upper

75 100

53 0.1 77.8 116.8#

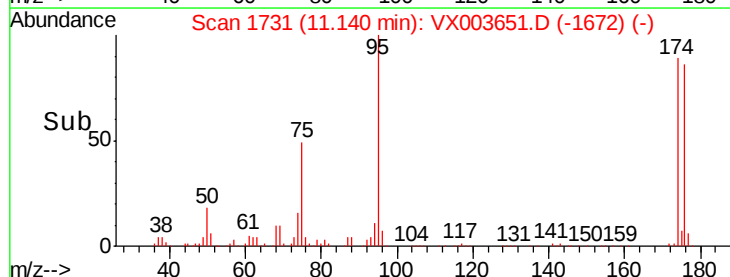
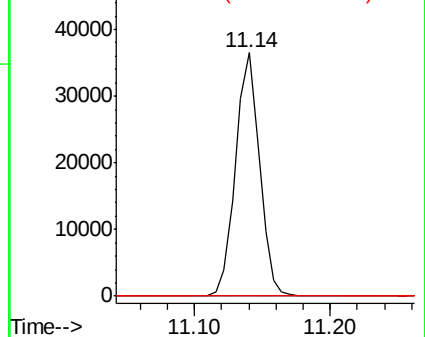
89 0.0 36.6 54.8#

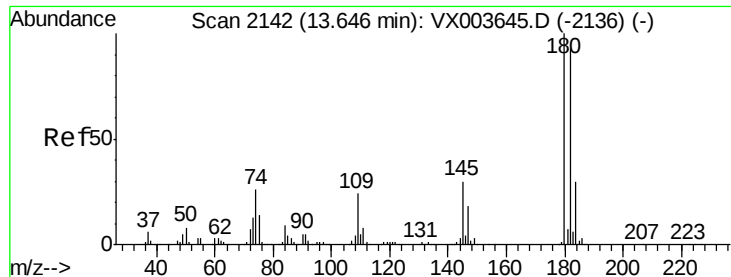


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

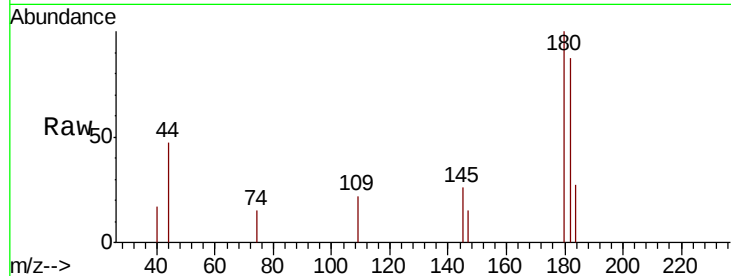




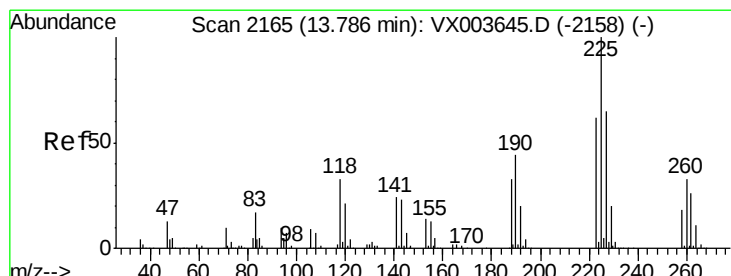
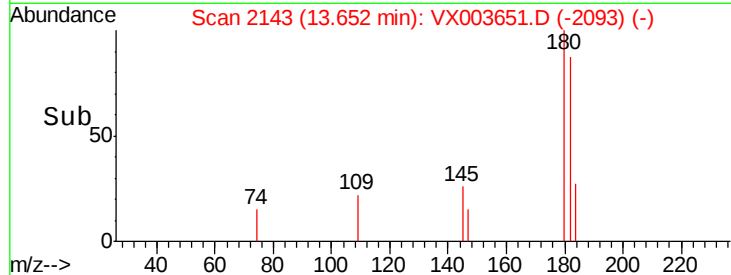
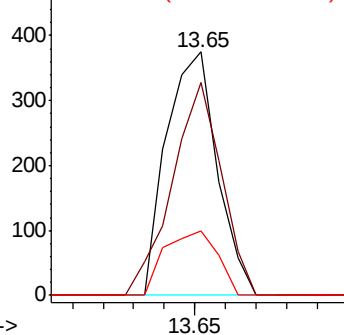
#93
 1,2,4-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBL01

Tgt Ion:180 Resp: 429
 Ion Ratio Lower Upper
 180 100
 182 85.8 47.9 143.8
 145 27.5 14.4 43.2

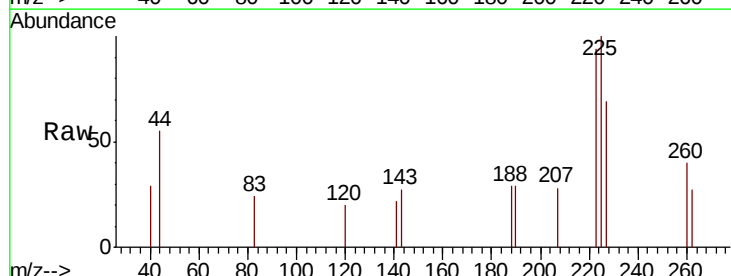


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.290 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003651.D
 Acq: 25 Jul 2018 11:00

Tgt Ion:225 Resp: 281
 Ion Ratio Lower Upper
 225 100
 223 85.1 30.9 92.5
 227 69.0 31.9 95.7



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

