

Data File : VX001736.D
Acq On : 15 May 2018 10:59
Operator : JC/MD
Sample : VX0515WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

Quant Time: May 16 04:01:30 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401612	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198209	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	205600	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	5.51	113	169428	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.72	98	632622	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	203728	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

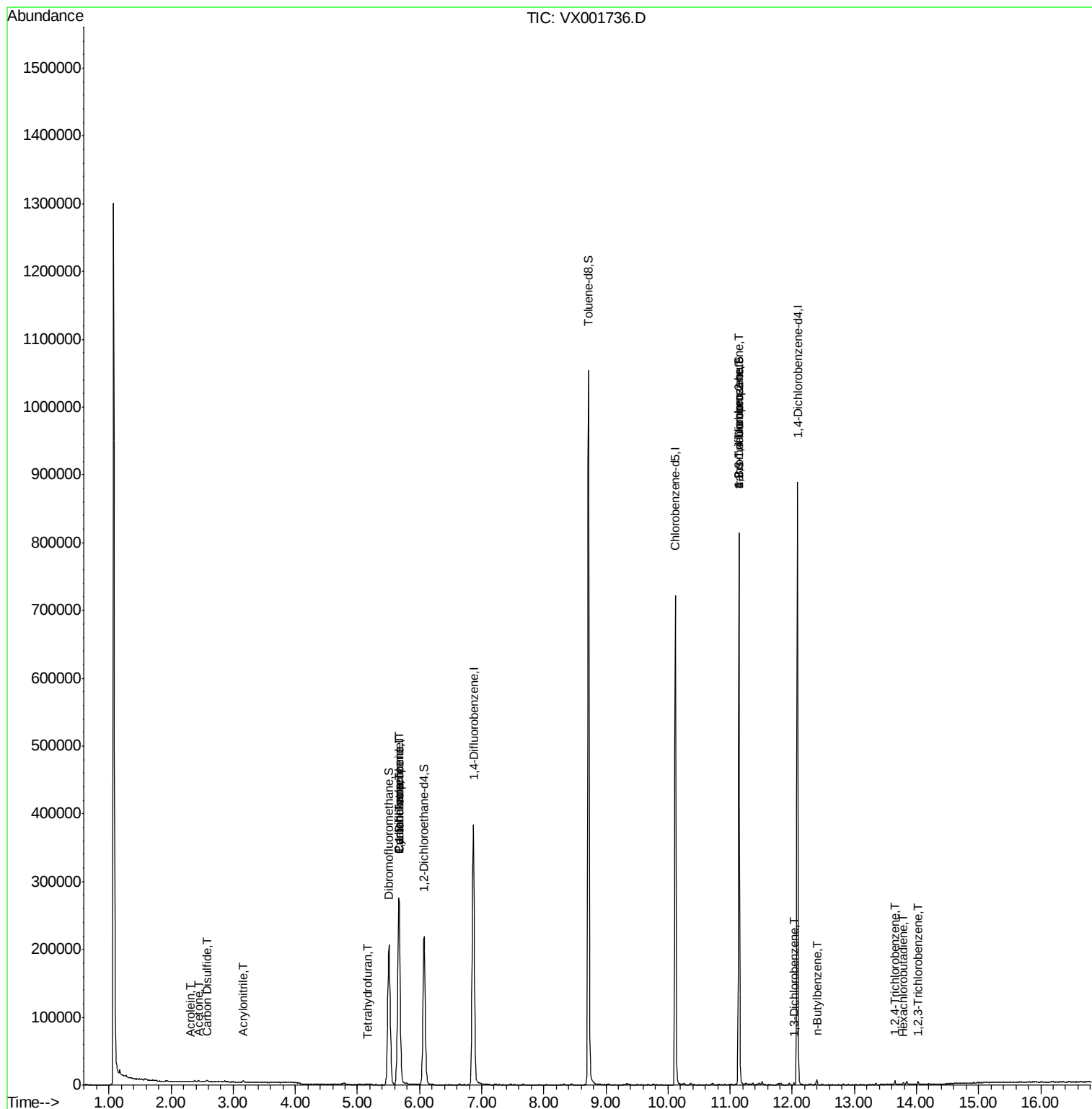
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	601	Below Cal		86
13) Acrolein	2.30	56	303	0.60 ug/l	#	50
15) Acrylonitrile	3.15	53	793	0.44 ug/l		95
16) Acetone	2.45	43	1172	0.74 ug/l	#	86
17) Carbon Disulfide	2.57	76	2749	0.35 ug/l		95
29) Tetrahydrofuran	5.16	42	417	0.26 ug/l	#	2
31) Cyclohexane	5.67	56	5061	1.00 ug/l	#	3
36) 1,1-Dichloropropene	5.67	75	17685	3.83 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	24594	5.08 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	95247	25.27 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	95247	73.64 ug/l	#	10
87) 1,3-Dichlorobenzene	12.03	146	1446	0.20 ug/l		97
89) n-Butylbenzene	12.40	91	2196	0.21 ug/l		96
93) 1,2,4-Trichlorobenzene	13.65	180	1847	0.33 ug/l		87
94) Hexachlorobutadiene	13.79	225	698	0.23 ug/l		94
96) 1,2,3-Trichlorobenzene	14.03	180	1504	0.27 ug/l		86

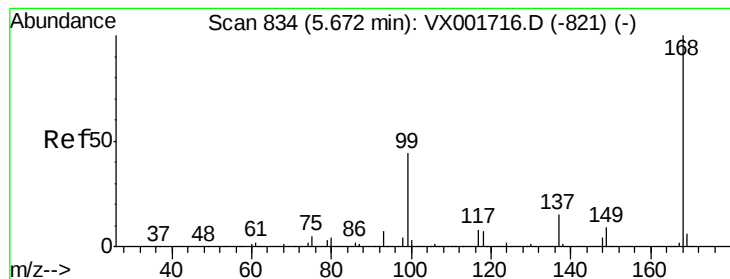
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

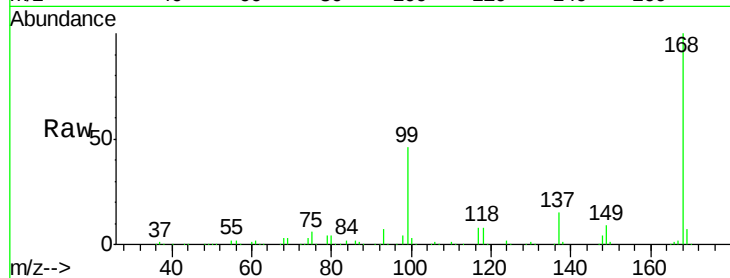
VX0515WBL02

Tgt Ion:168 Resp: 300649

Ion Ratio Lower Upper

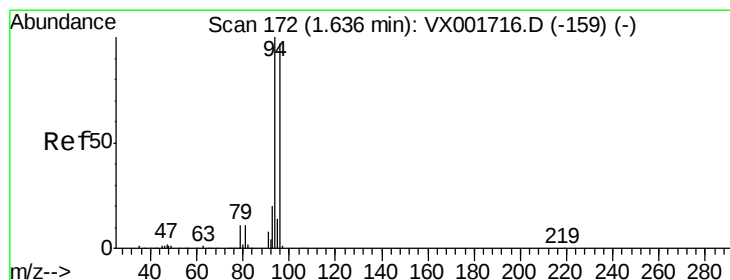
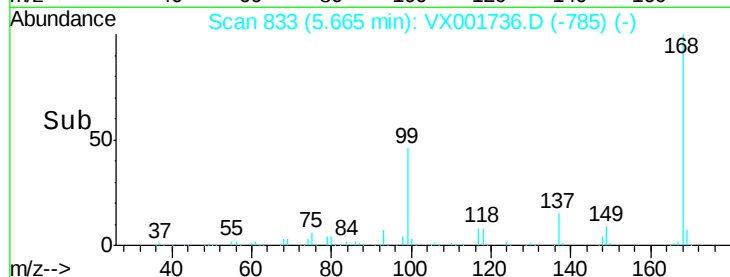
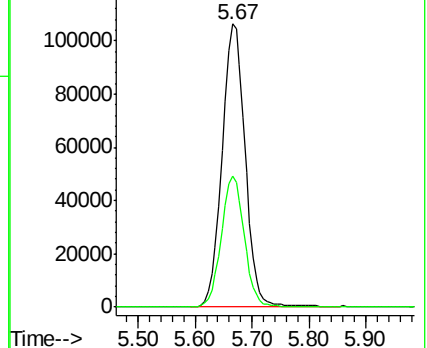
168 100

99 46.4 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001736.D

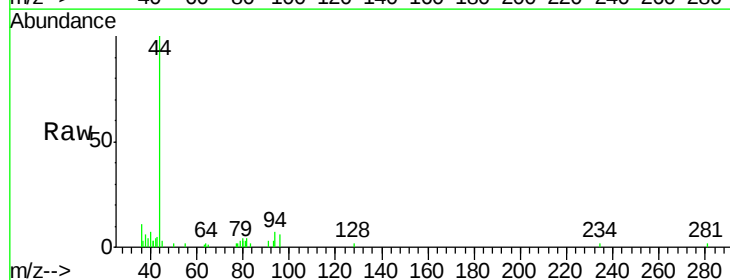
Acq: 15 May 2018 10:59

Tgt Ion: 94 Resp: 601

Ion Ratio Lower Upper

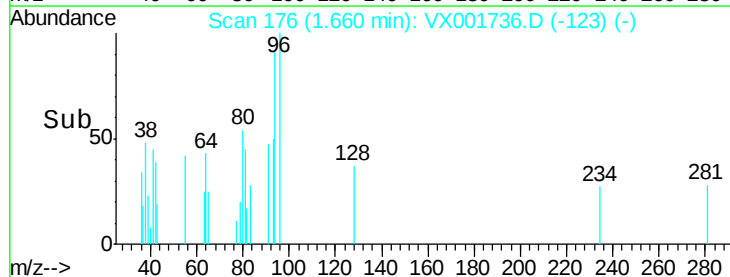
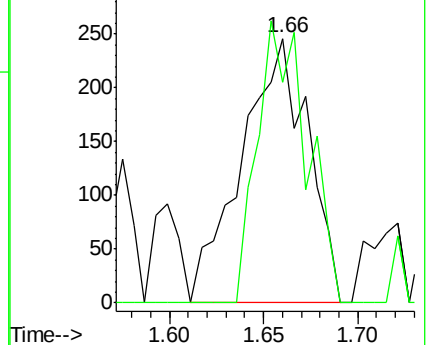
94 100

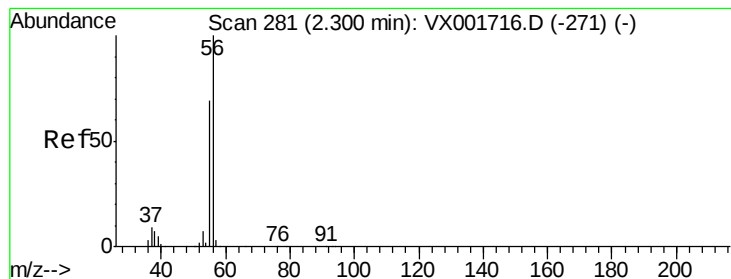
96 83.3 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 0.60 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

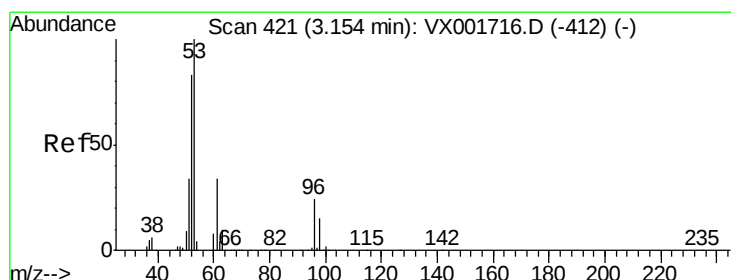
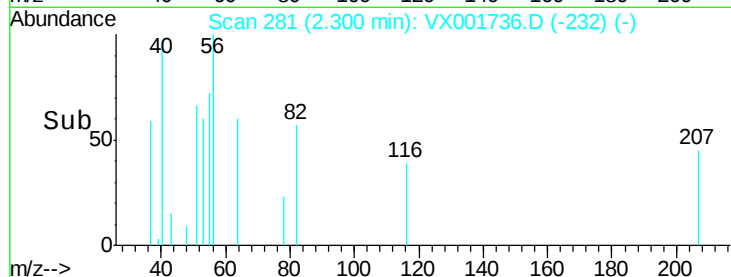
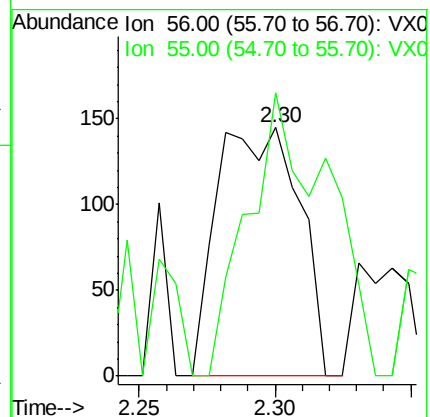
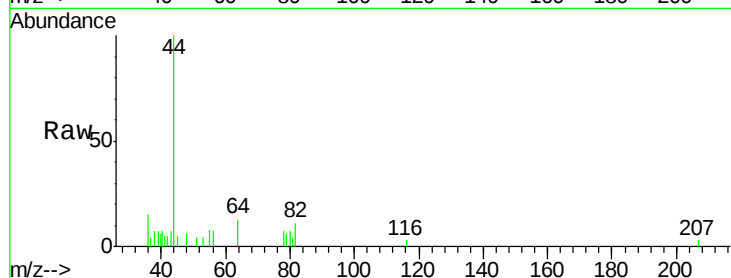
VX0515WBL02

Tgt Ion: 56 Resp: 303

Ion Ratio Lower Upper

56 100

55 111.2 56.2 84.2#



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

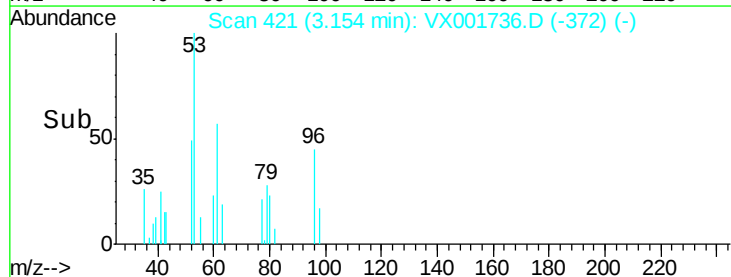
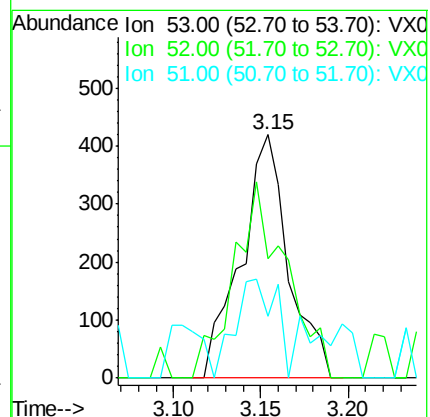
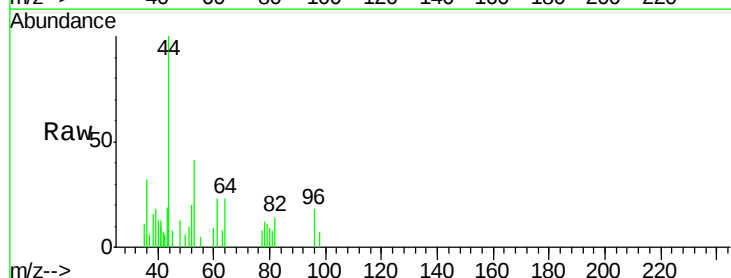
Tgt Ion: 53 Resp: 793

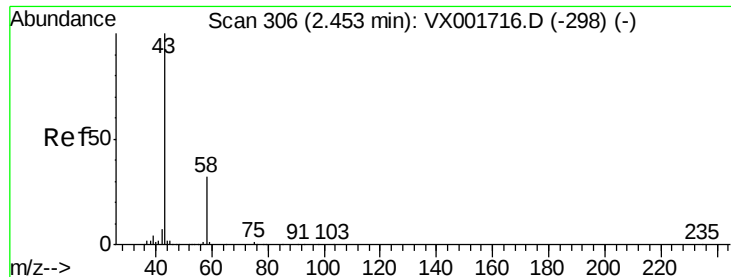
Ion Ratio Lower Upper

53 100

52 88.3 65.6 98.4

51 34.7 28.1 42.1





#16

Acetone

Concen: 0.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

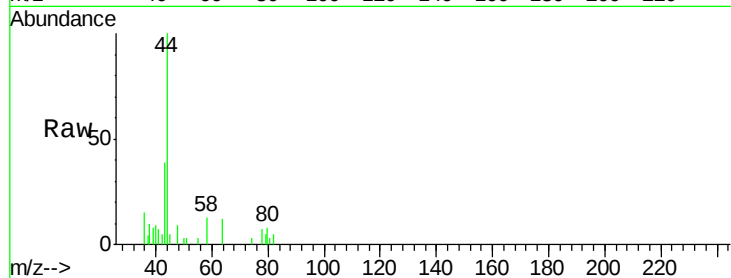
VX0515WBL02

Tgt Ion: 43 Resp: 1172

Ion Ratio Lower Upper

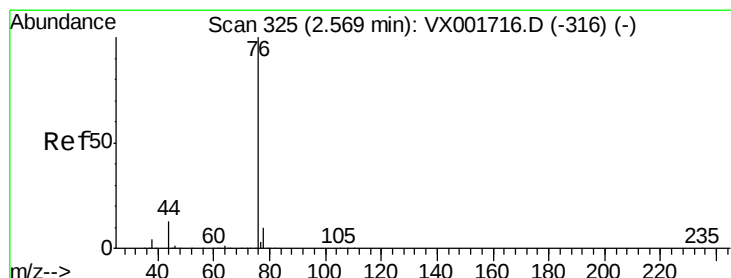
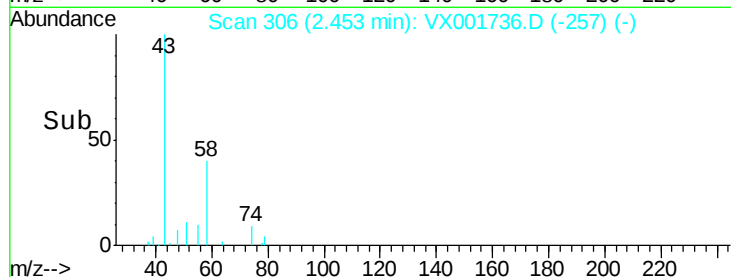
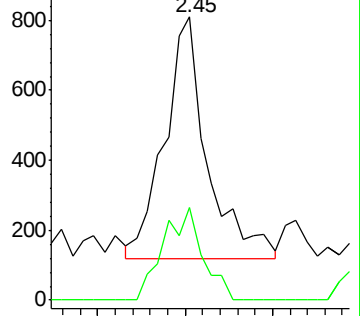
43 100

58 39.5 25.3 37.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.35 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001736.D

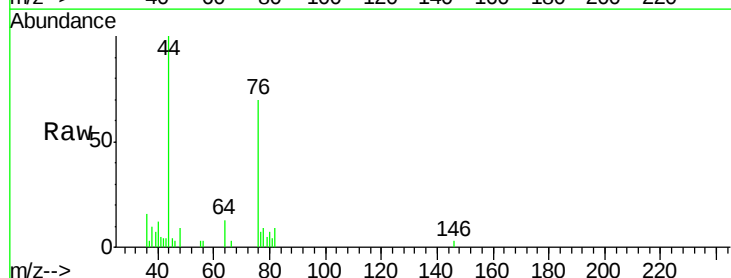
Acq: 15 May 2018 10:59

Tgt Ion: 76 Resp: 2749

Ion Ratio Lower Upper

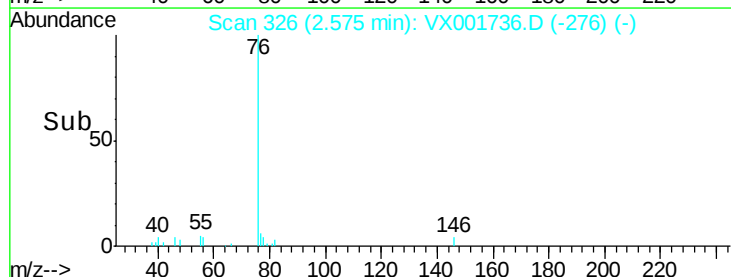
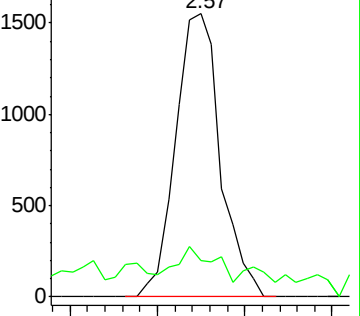
76 100

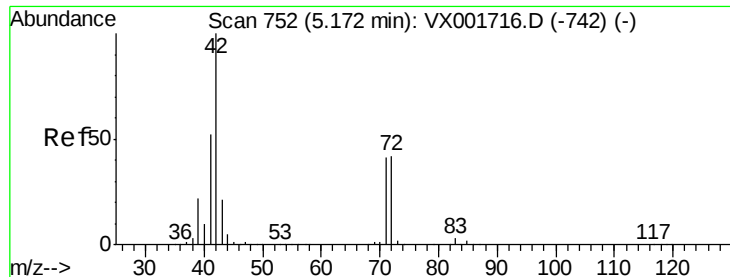
78 7.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

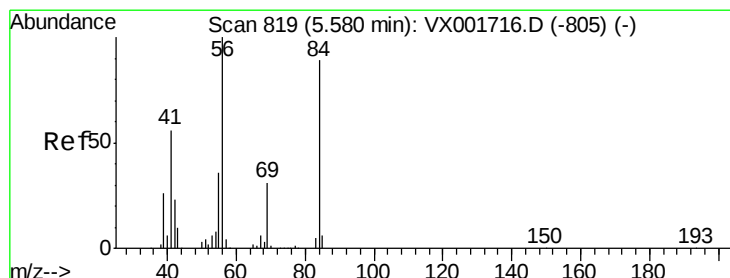
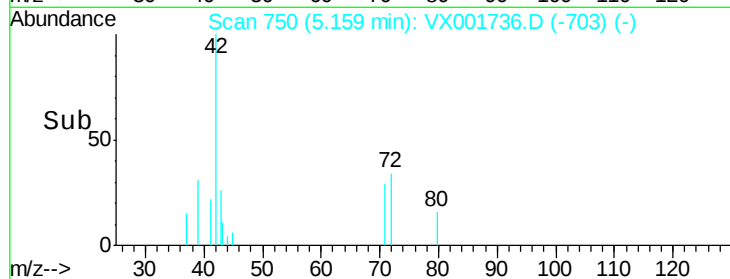
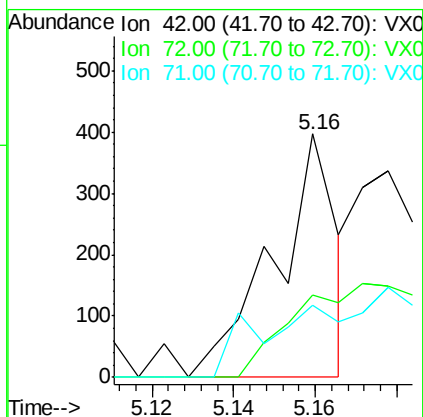
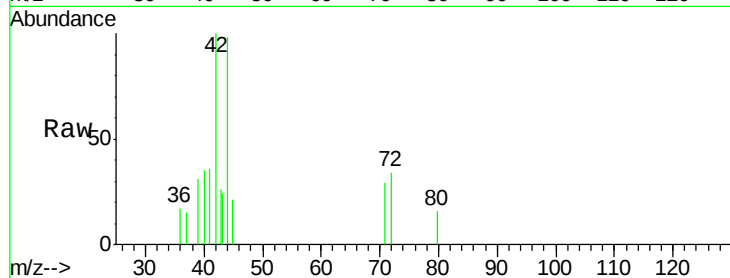




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

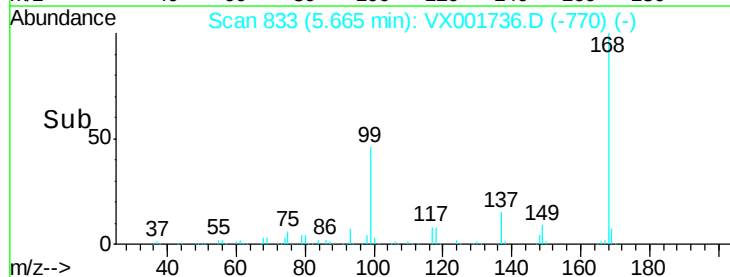
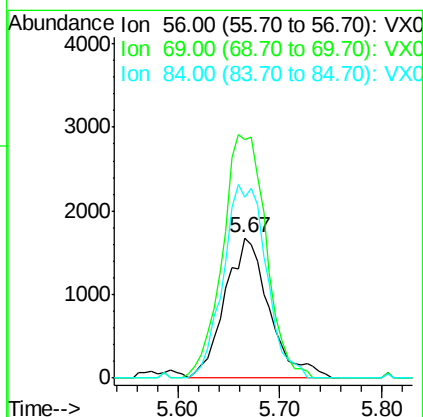
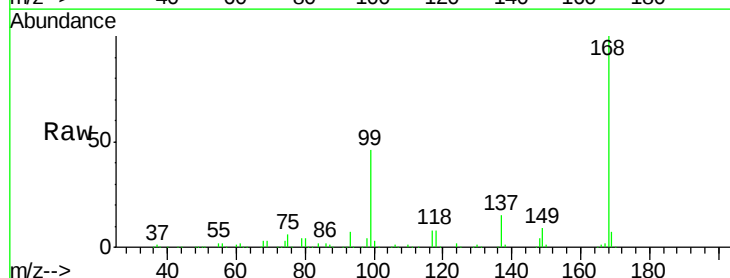
Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

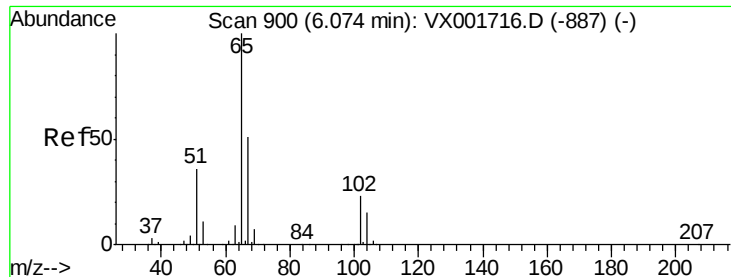
Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 104.3 35.4 53.2#
71 107.4 33.2 49.8#



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Tgt Ion: 56 Resp: 5061
Ion Ratio Lower Upper
56 100
69 169.3 25.0 37.6#
84 128.4 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 51.02 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

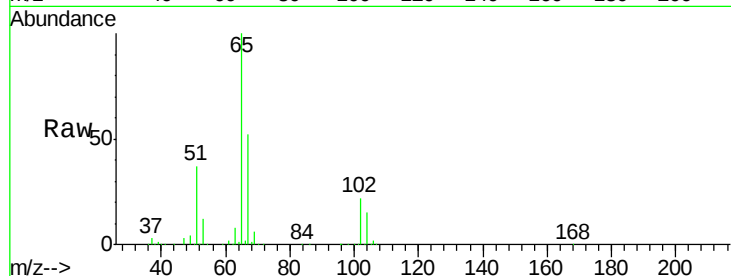
VX0515WBL02

Tgt Ion: 65 Resp: 205600

Ion Ratio Lower Upper

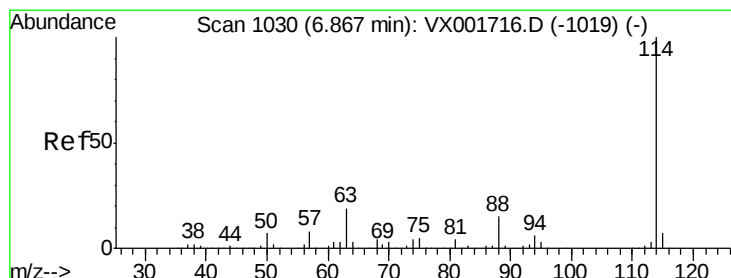
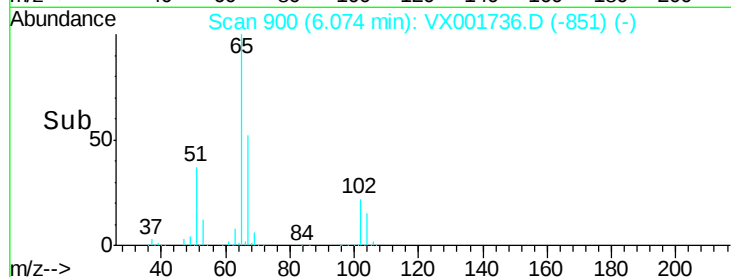
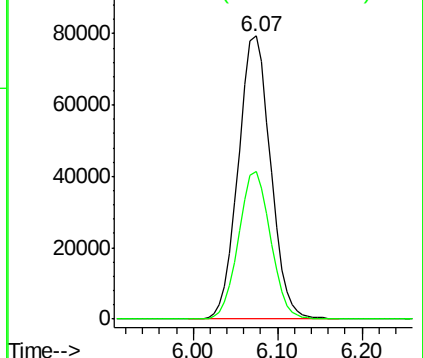
65 100

67 51.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

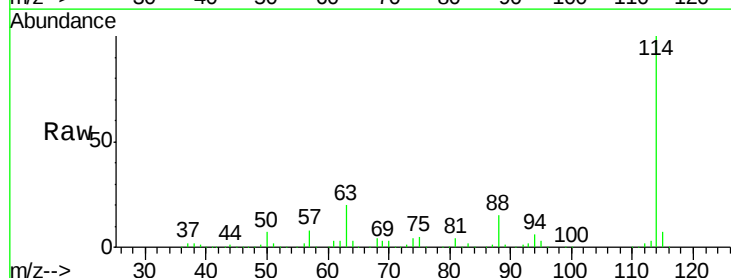
Tgt Ion: 114 Resp: 401612

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.0

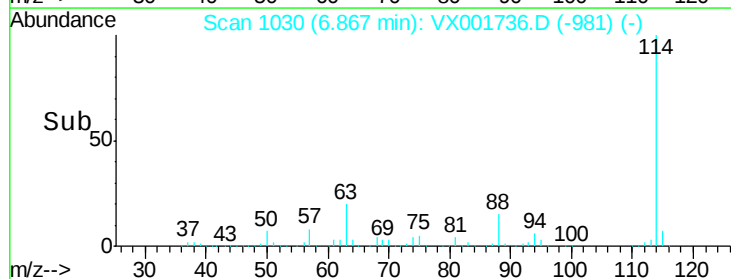
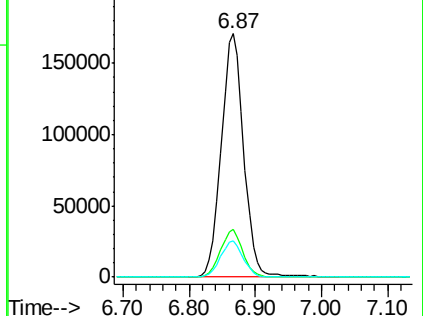
88 14.8 0.0 29.8

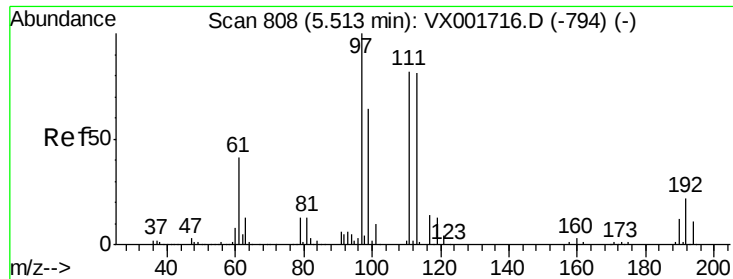


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

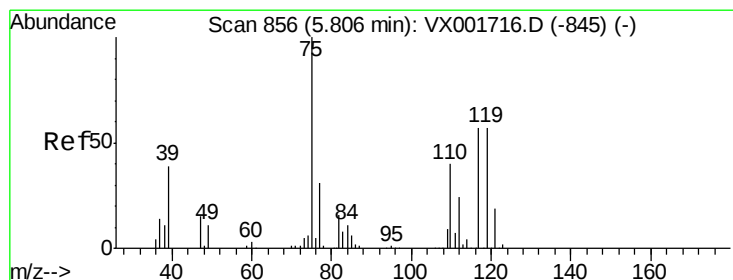
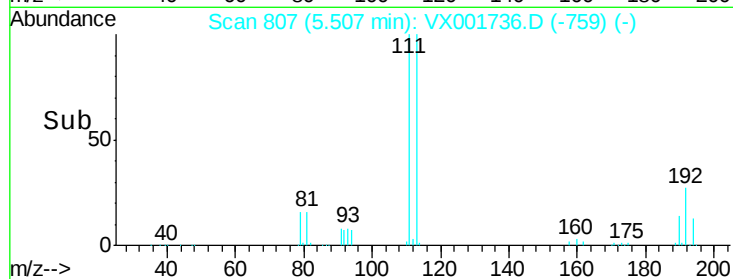
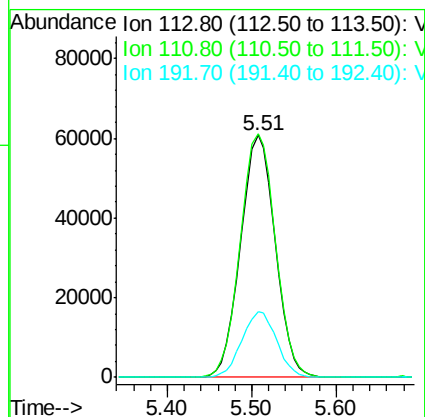
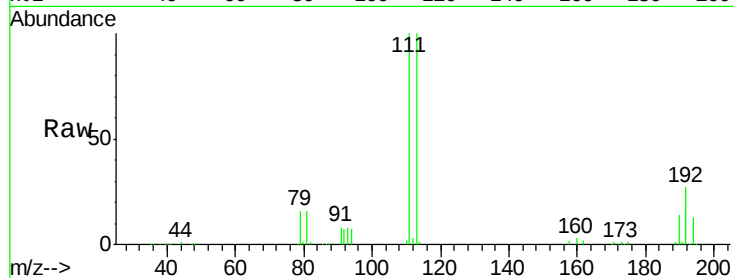




#35
 Dibromofluoromethane
 Concen: 49.99 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001736.D
 Acq: 15 May 2018 10:59

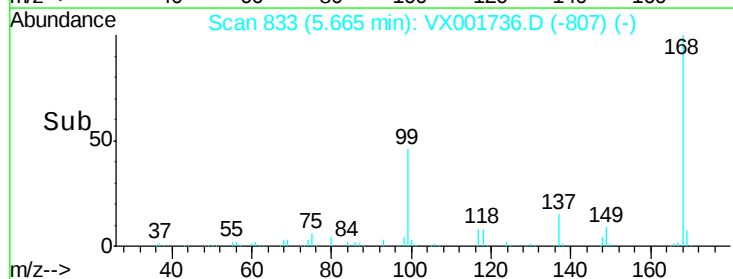
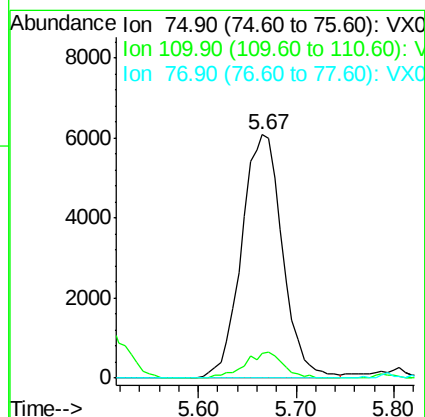
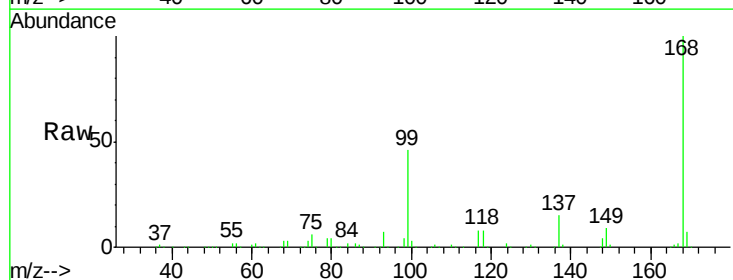
Instrument :
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 VX0515WBL02

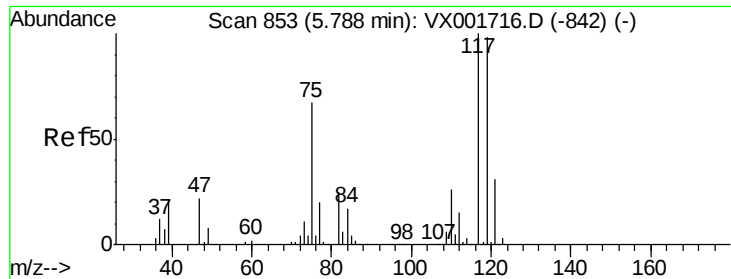
Tgt Ion:113 Resp: 169428
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 27.0 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001736.D
 Acq: 15 May 2018 10:59

Tgt Ion: 75 Resp: 17685
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.1#
 77 0.0 24.6 37.0#

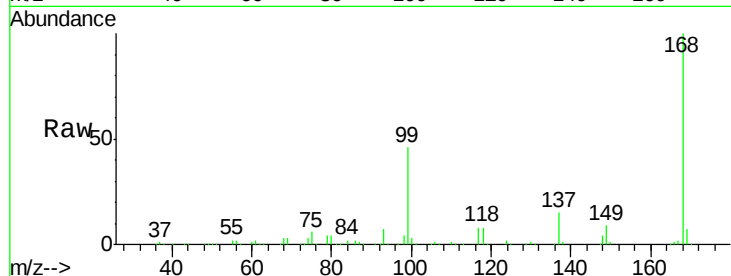




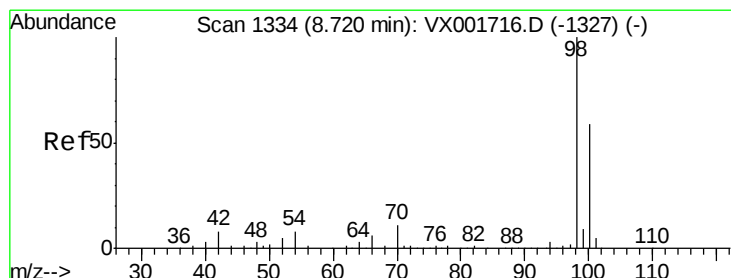
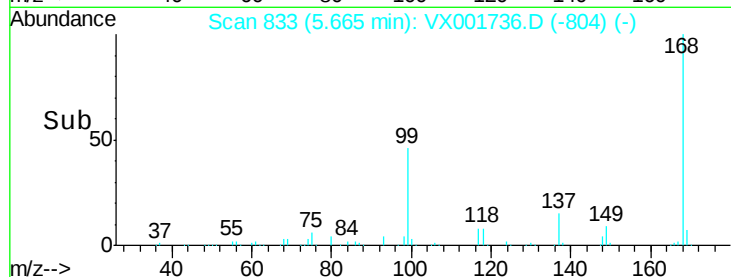
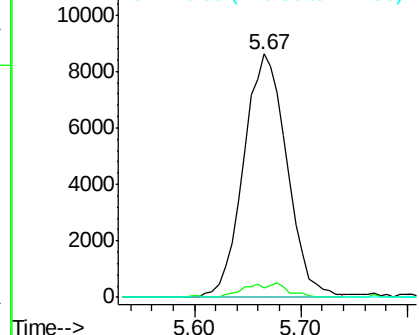
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

Tgt Ion: 117 Resp: 24594
Ion Ratio Lower Upper
117 100
119 4.0 77.6 116.4#
121 0.0 24.6 36.8#

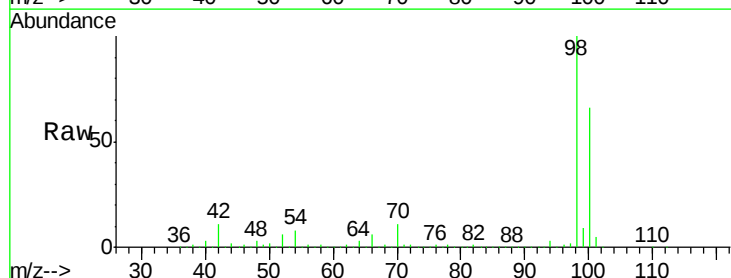


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

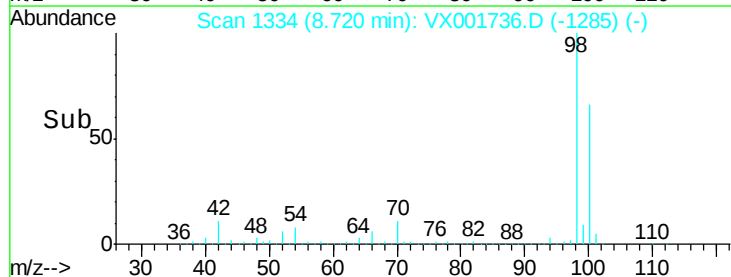
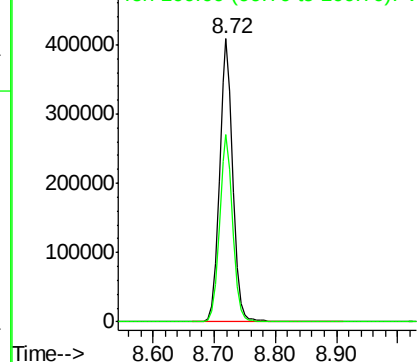


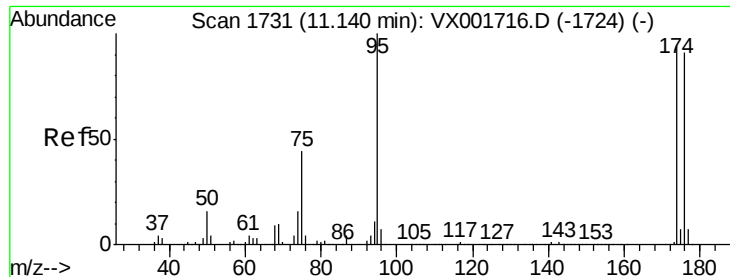
#50
Toluene-d8
Concen: 52.12 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Tgt Ion: 98 Resp: 632622
Ion Ratio Lower Upper
98 100
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

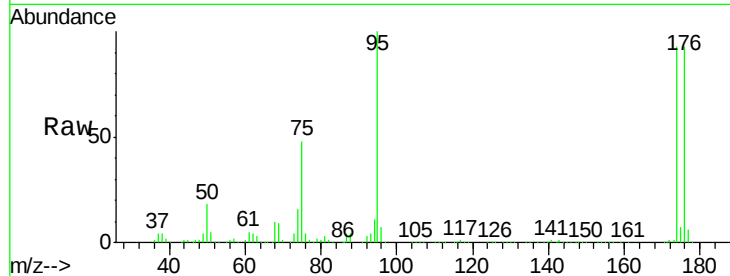




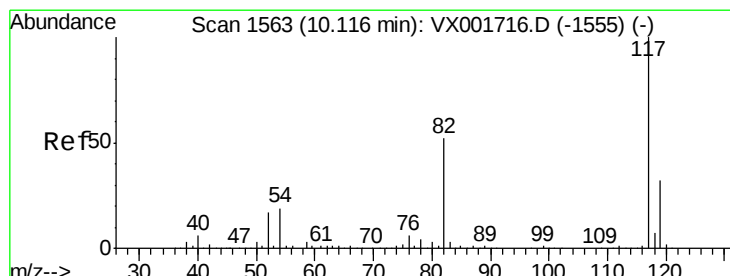
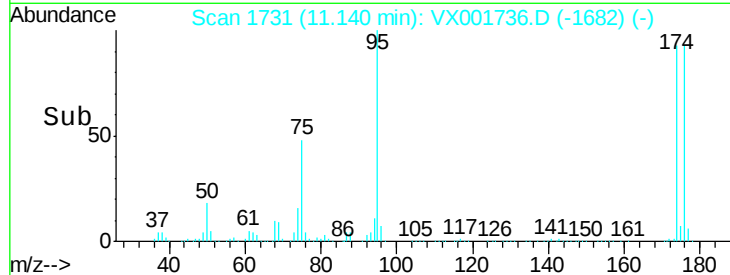
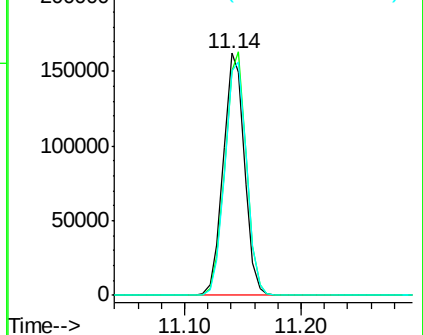
#62
4-Bromofluorobenzene
Concen: 46.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

Tgt Ion: 95 Resp: 203728
Ion Ratio Lower Upper
95 100
174 101.6 0.0 201.8
176 99.4 0.0 196.8

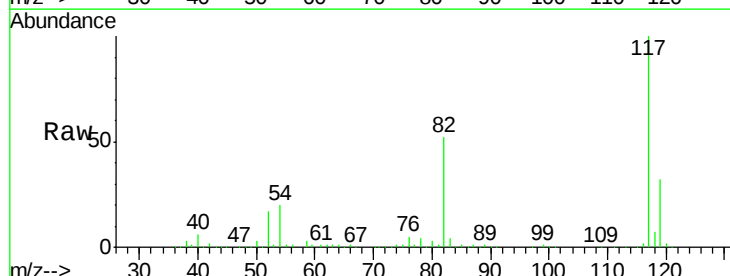


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

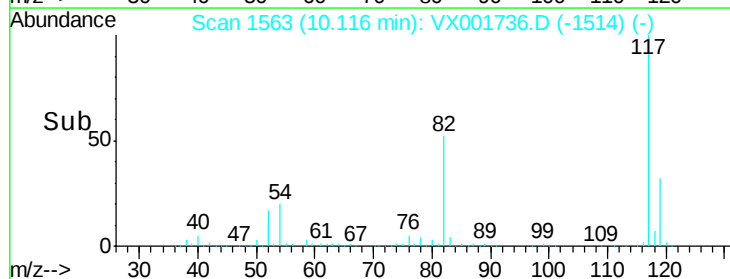
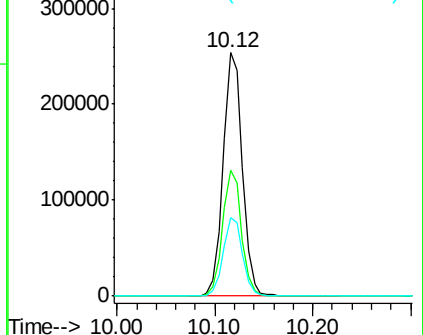


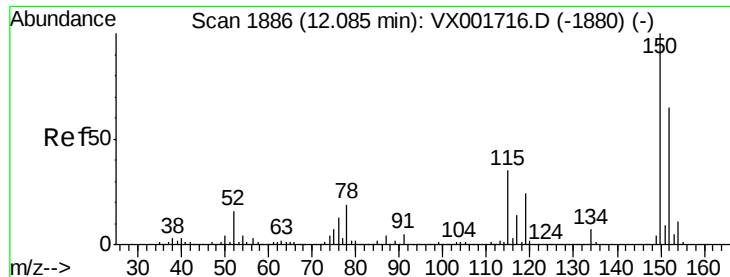
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Tgt Ion: 117 Resp: 345528
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.2
119 32.3 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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

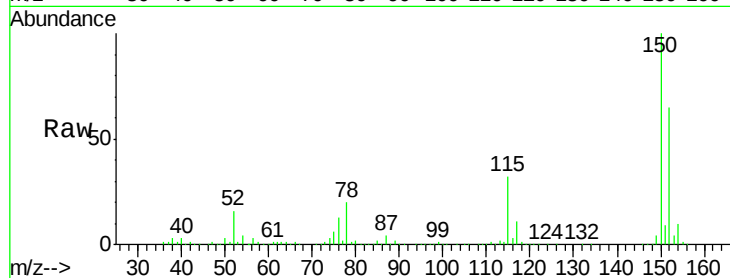
Tgt Ion:152 Resp: 198209

Ion Ratio Lower Upper

152 100

115 52.0 37.4 112.2

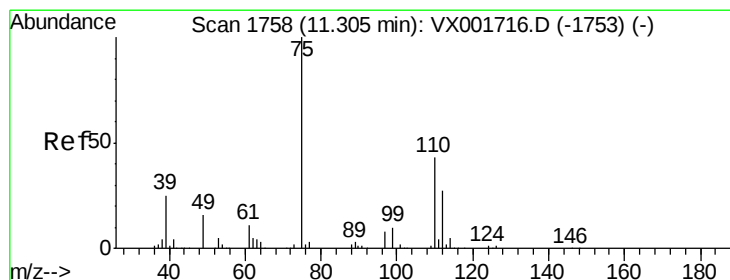
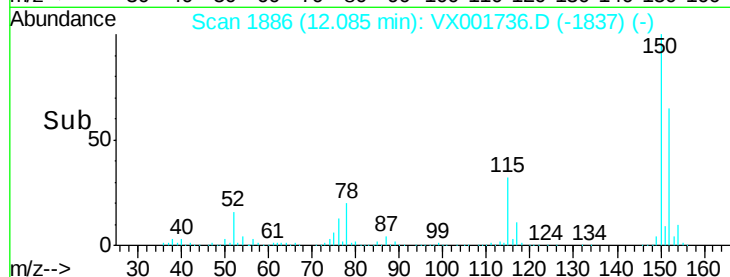
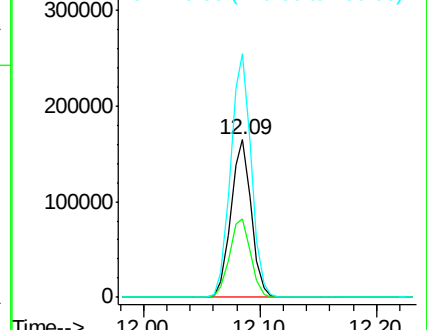
150 156.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001736.D

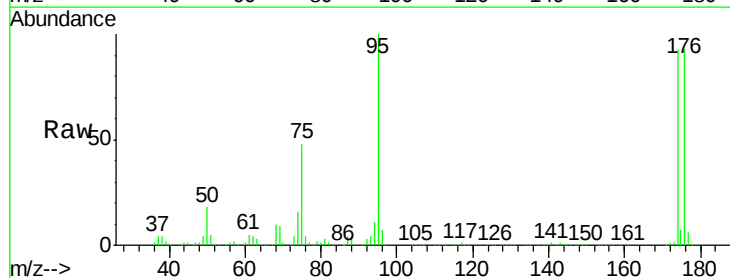
Acq: 15 May 2018 10:59

Tgt Ion: 75 Resp: 95247

Ion Ratio Lower Upper

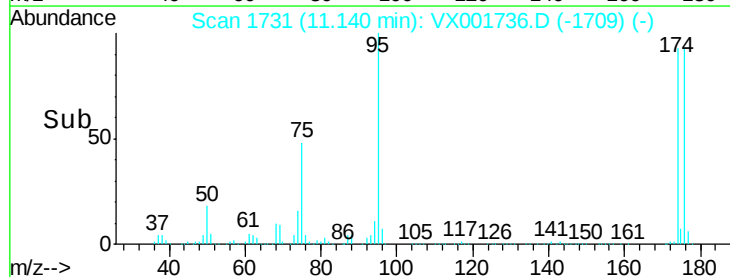
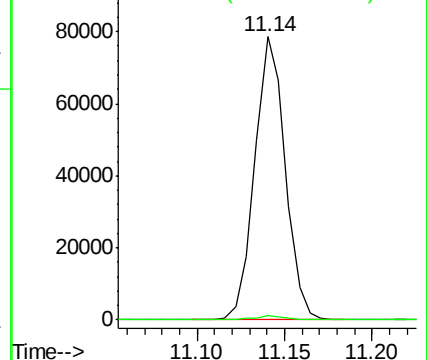
75 100

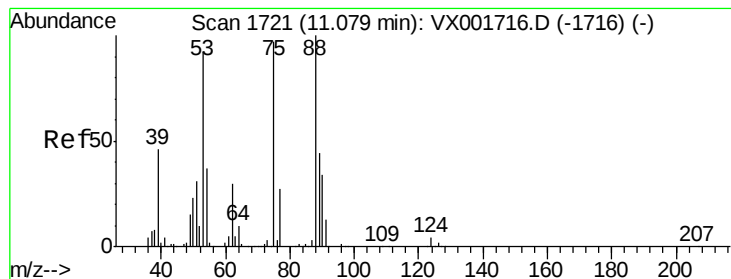
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

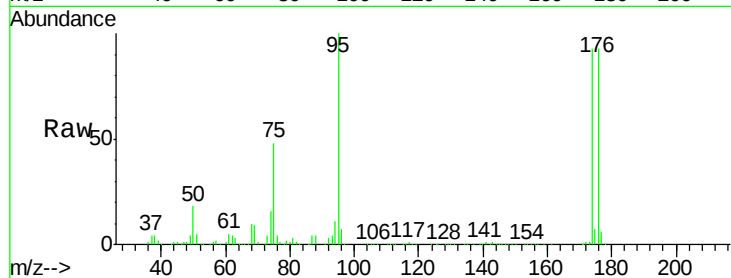
Tgt Ion: 75 Resp: 95247

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

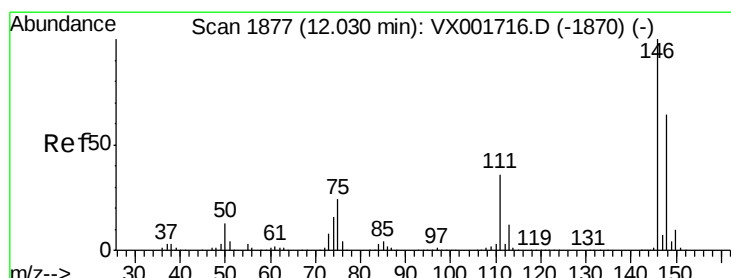
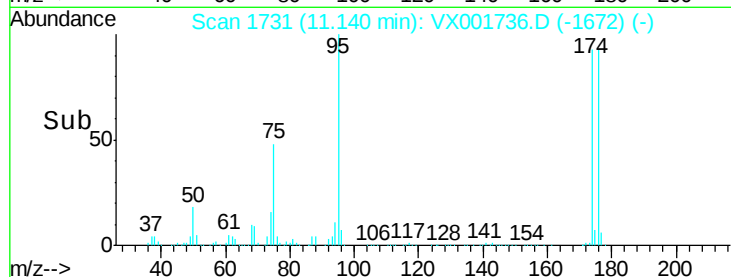
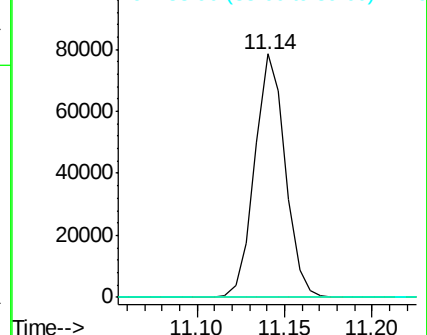
89 0.0 38.8 58.2#



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



#87

1,3-Dichlorobenzene

Concen: 0.20 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

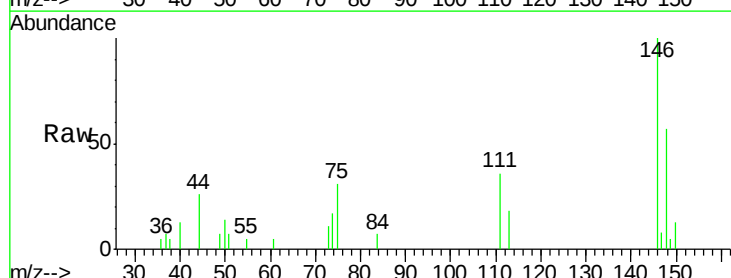
Tgt Ion: 146 Resp: 1446

Ion Ratio Lower Upper

146 100

111 32.2 17.8 53.4

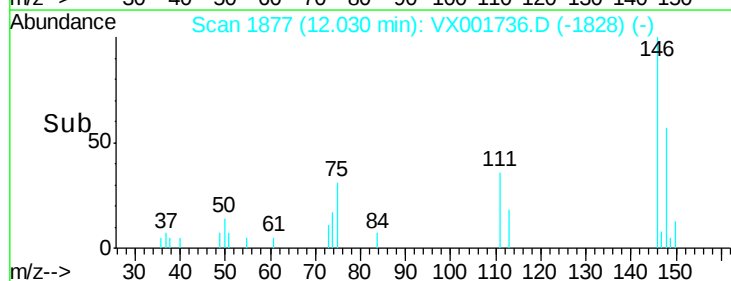
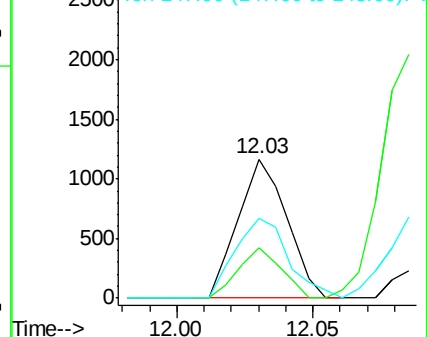
148 62.9 32.1 96.3

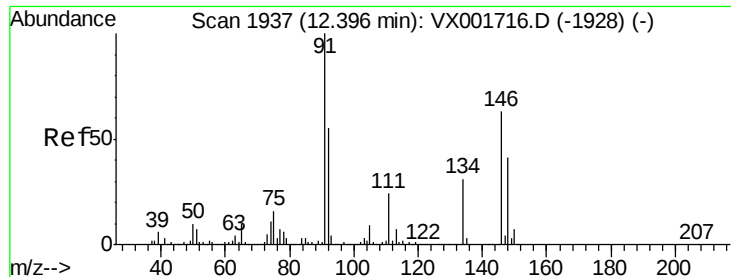


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

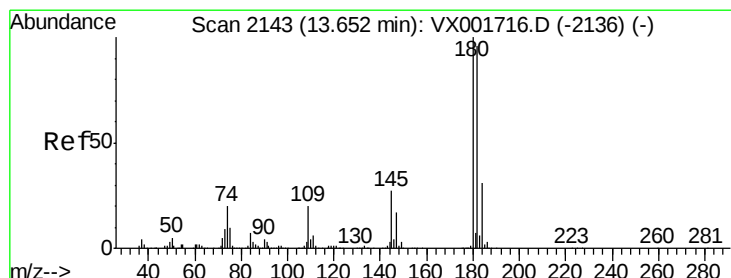
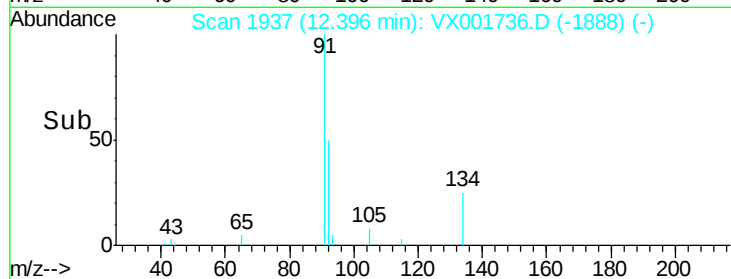
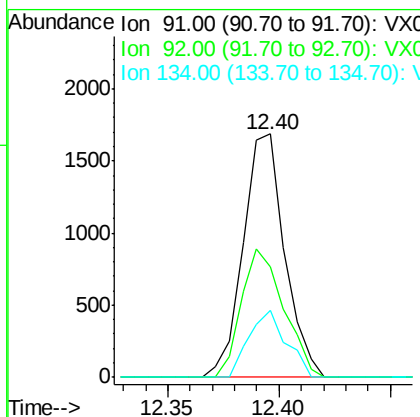
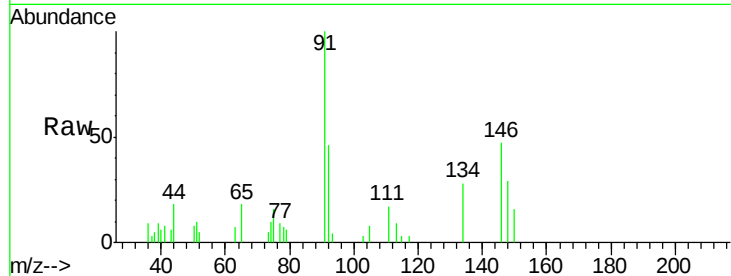




#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

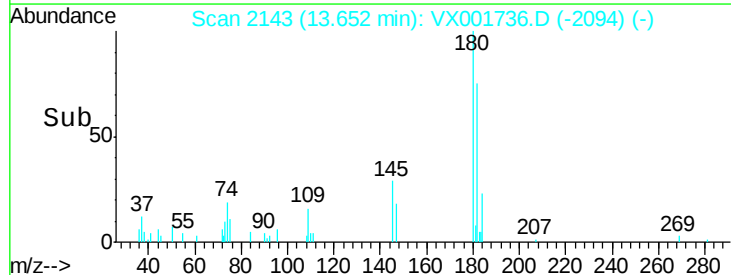
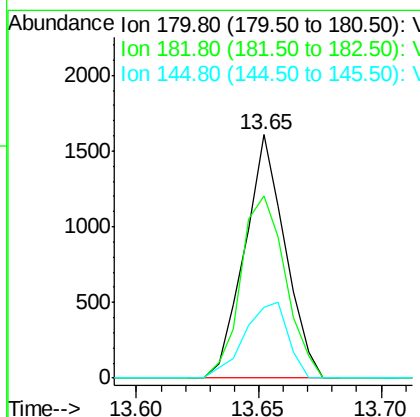
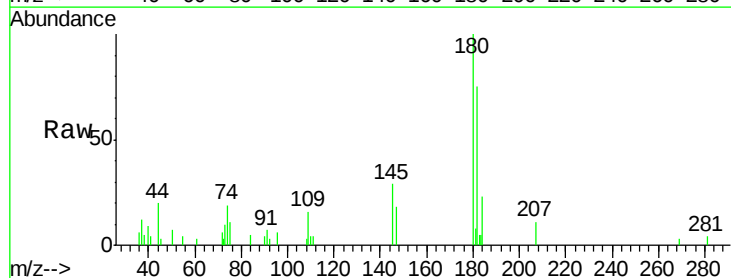
Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

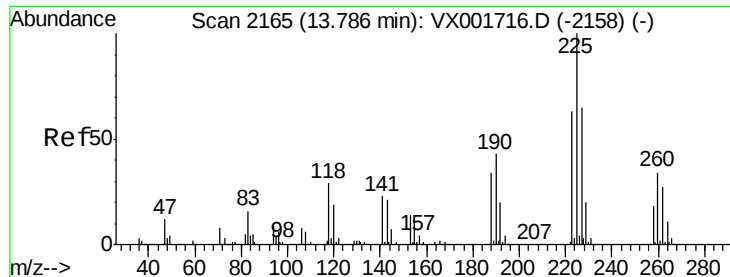
Tgt Ion: 91 Resp: 2196
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.9
134 24.6 14.7 44.1



#93
1,2,4-Trichlorobenzene
Concen: 0.33 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX001736.D
Acq: 15 May 2018 10:59

Tgt Ion: 180 Resp: 1847
Ion Ratio Lower Upper
180 100
182 82.3 47.6 142.9
145 33.3 13.4 40.1





#94

Hexachlorobutadiene

Concen: 0.23 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

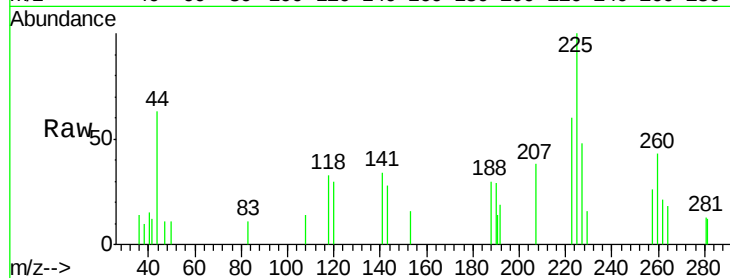
Tgt Ion:225 Resp: 698

Ion Ratio Lower Upper

225 100

223 57.3 31.1 93.5

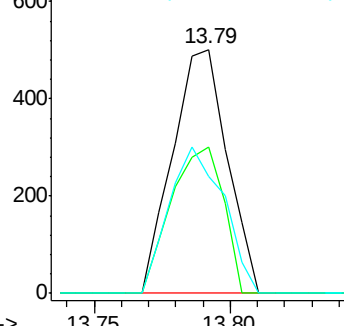
227 60.0 31.9 95.5



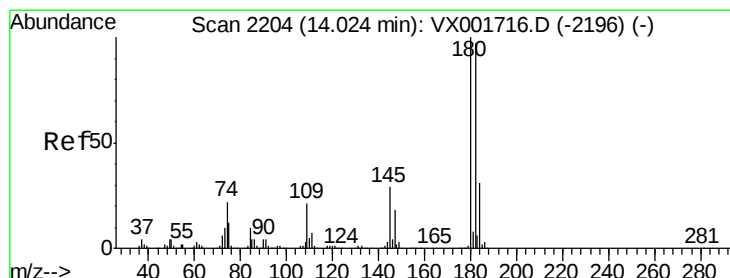
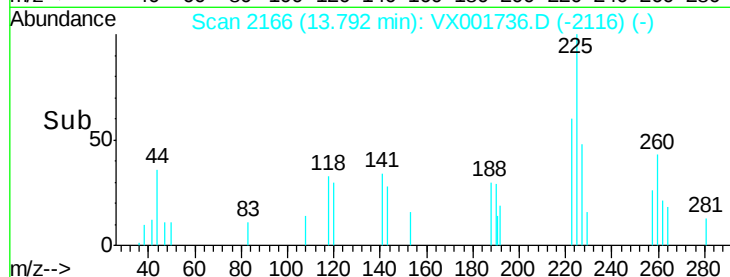
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.27 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001736.D

Acq: 15 May 2018 10:59

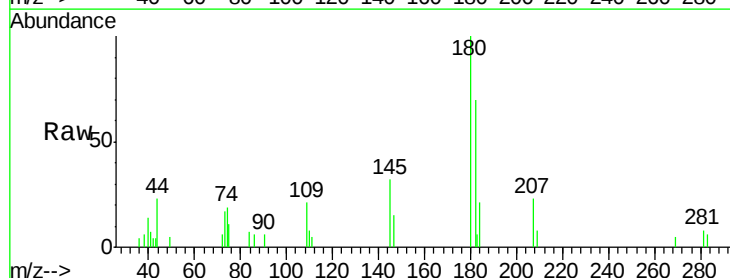
Tgt Ion:180 Resp: 1504

Ion Ratio Lower Upper

180 100

182 80.4 47.9 143.7

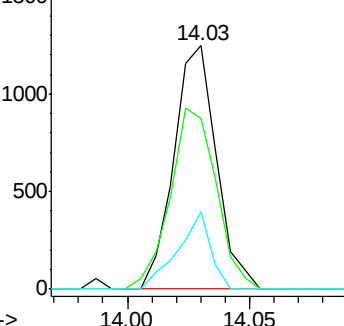
145 24.6 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

