

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001131.D
 Acq On : 25 Apr 2018 20:20
 Operator : JC/MD
 Sample : J2464-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:40:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

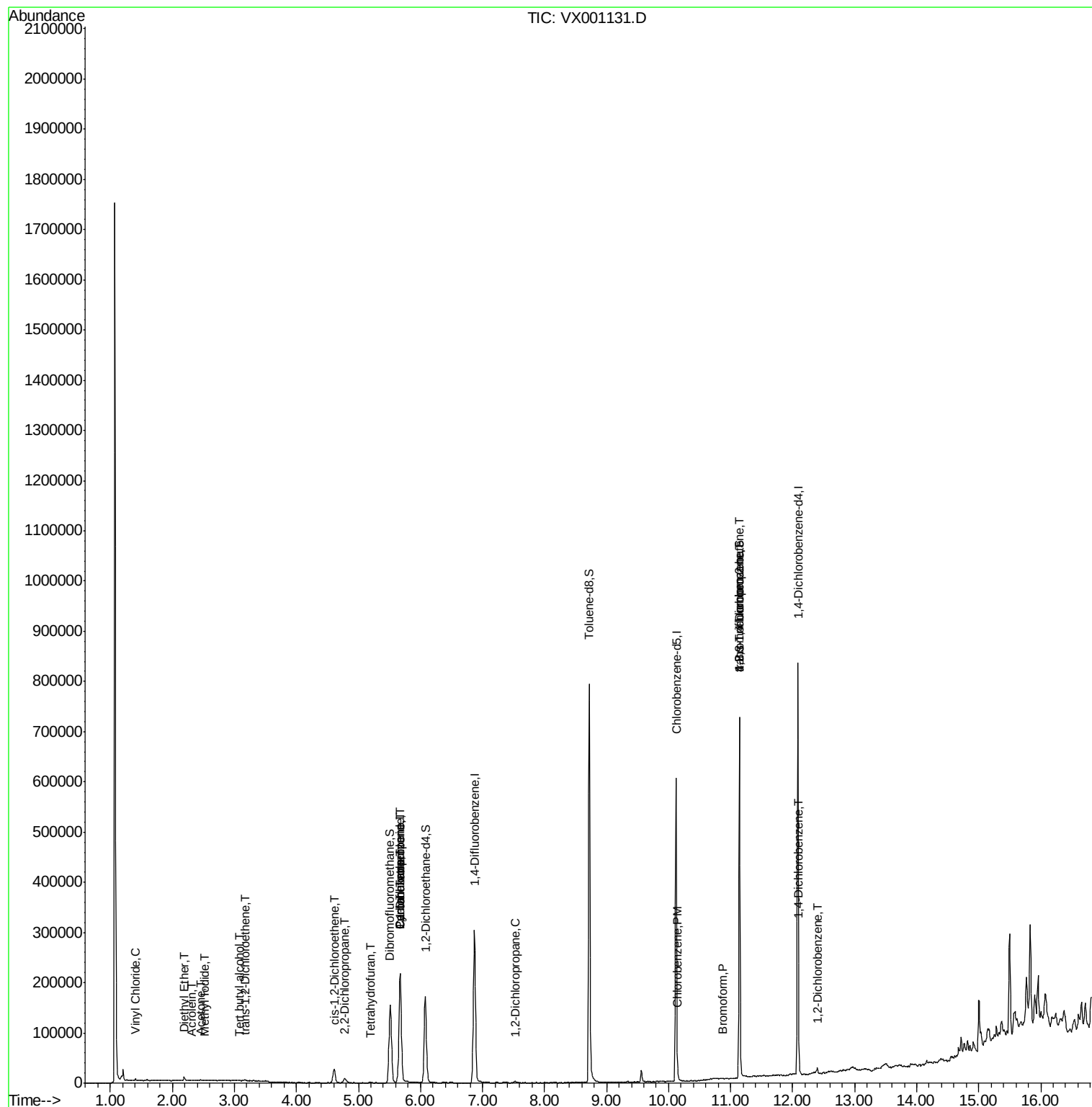
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170403	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	166814	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	5.51	113	127364	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	8.72	98	488148	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	11.14	95	178829	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	1868	0.691	ug/l #	83
5) Bromomethane	1.65	94	428	Below Cal	#	63
8) Diethyl Ether	2.20	74	2410	1.606	ug/l	83
10) Methyl Iodide	2.51	142	199	7.672	ug/l #	91
11) Tert butyl alcohol	3.08	59	811	1.877	ug/l #	43
13) Acrolein	2.30	56	127	11.836	ug/l #	77
16) Acetone	2.45	43	1861	1.725	ug/l	91
20) Methylene Chloride	2.86	84	256	Below Cal	#	71
21) trans-1,2-Dichloroethene	3.17	96	601	0.245	ug/l #	79
26) 2,2-Dichloropropane	4.79	77	805	0.216	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	17151	6.281	ug/l	88
29) Tetrahydrofuran	5.20	42	792	0.744	ug/l #	58
31) Cyclohexane	5.67	56	4324	1.071	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	14409	3.836	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20018	5.263	ug/l #	16
45) 1,2-Dichloropropane	7.52	63	922	0.351	ug/l	91
65) Chlorobenzene	10.15	112	2459	0.319	ug/l	91
71) Bromoform	10.87	173	58	2.749	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	92358	31.239	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	92358	92.889	ug/l #	8
88) 1,4-Dichlorobenzene	12.10	146	4630	0.745	ug/l #	61
91) 1,2-Dichlorobenzene	12.40	146	4104	0.700	ug/l	94

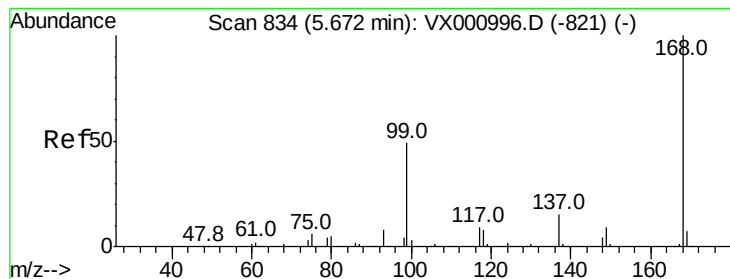
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
Data File : VX001131.D
Acq On : 25 Apr 2018 20:20
Operator : JC/MD
Sample : J2464-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 26 04:40:50 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

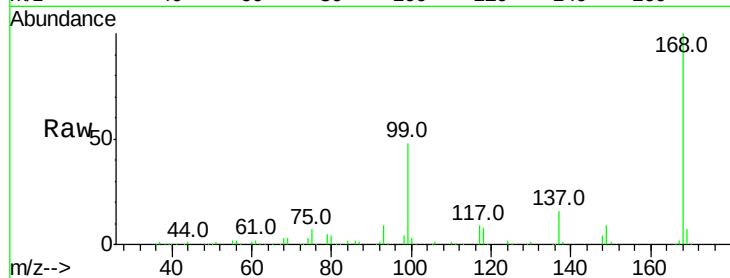
ClientSampled :

Tot Ion:168 Resp: 225991

Ion Ratio Lower Upper

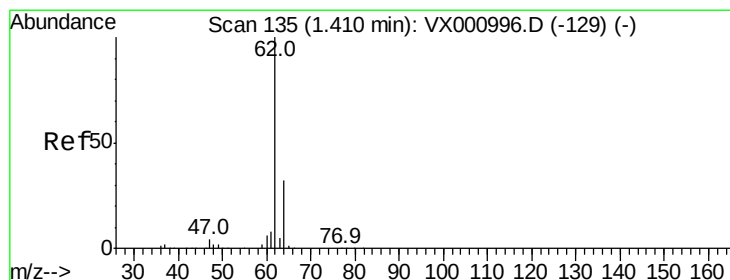
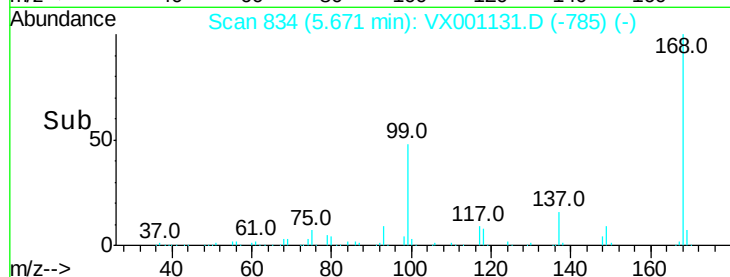
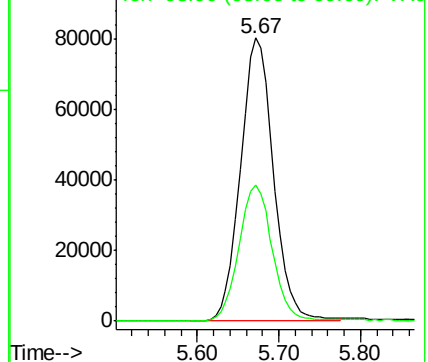
168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.691 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001131.D

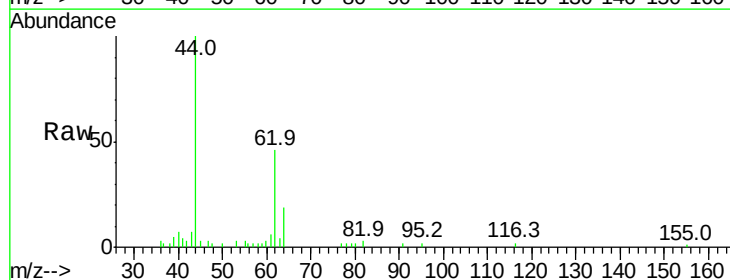
Acq: 25 Apr 2018 20:20

Tgt Ion: 62 Resp: 1868

Ion Ratio Lower Upper

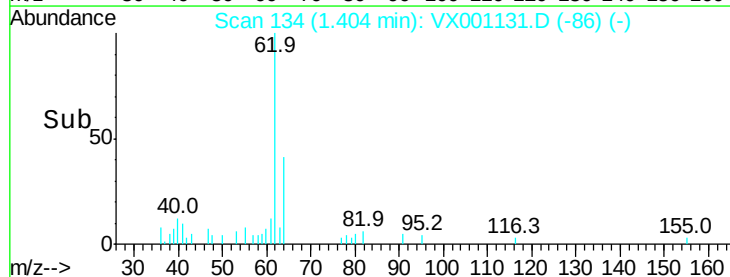
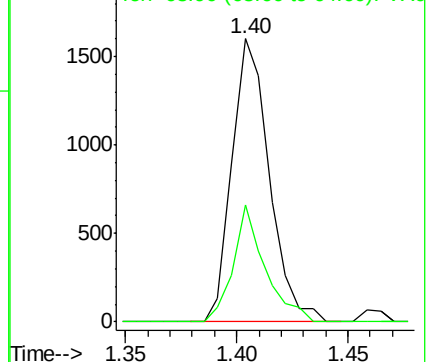
62 100

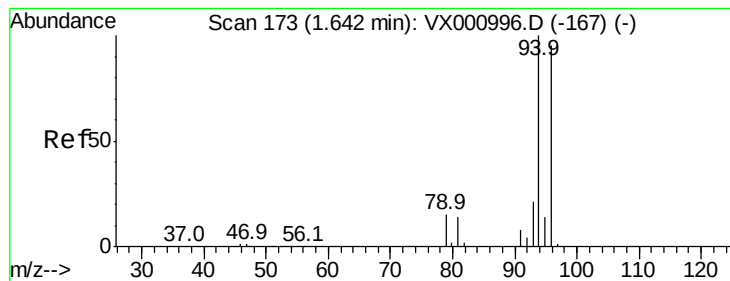
64 41.4 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

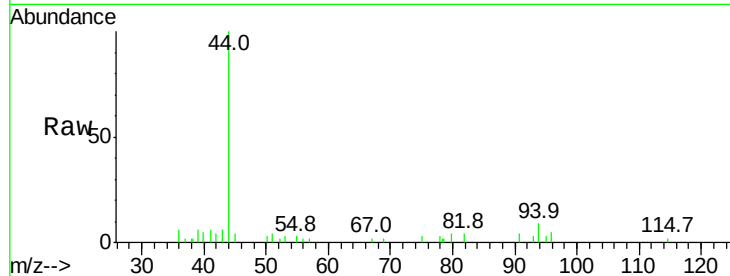
ClientSampled :

Tot Ion: 94 Resp: 428

Ion Ratio Lower Upper

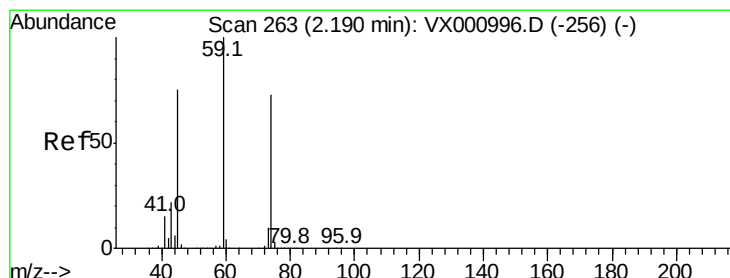
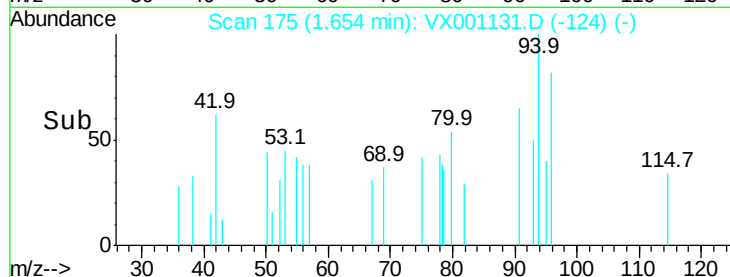
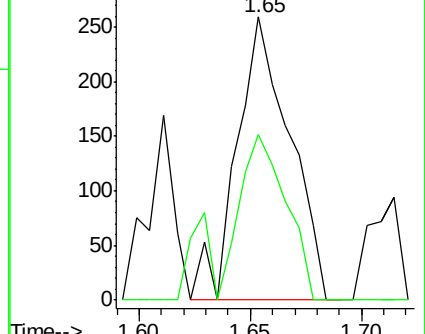
94 100

96 58.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 1.606 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001131.D

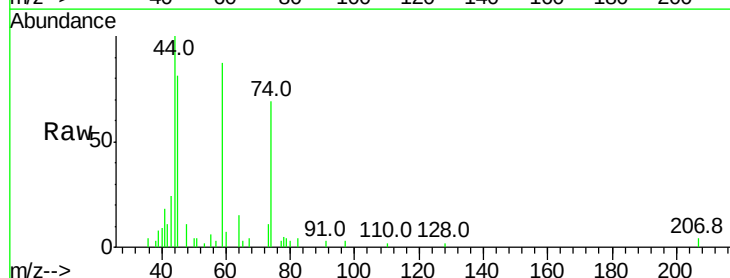
Acq: 25 Apr 2018 20:20

Tgt Ion: 74 Resp: 2410

Ion Ratio Lower Upper

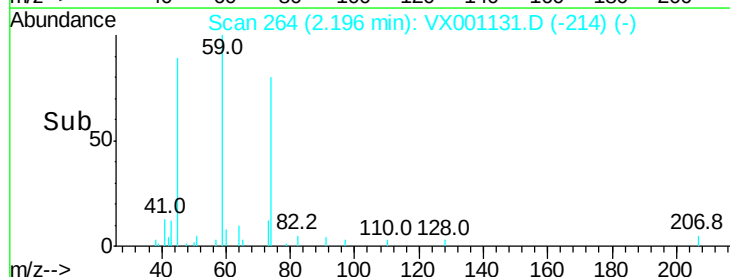
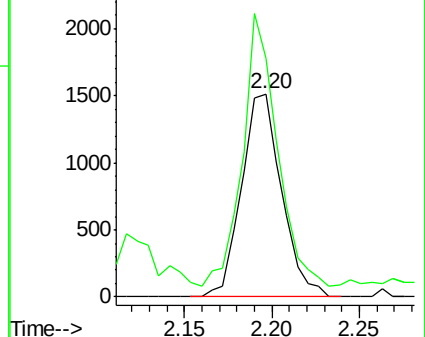
74 100

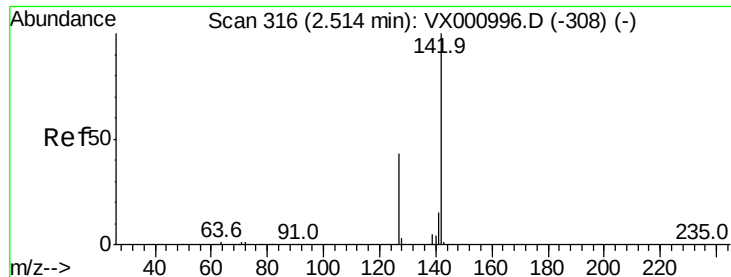
45 115.1 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methvl Iodide

Concen: 7.672 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :

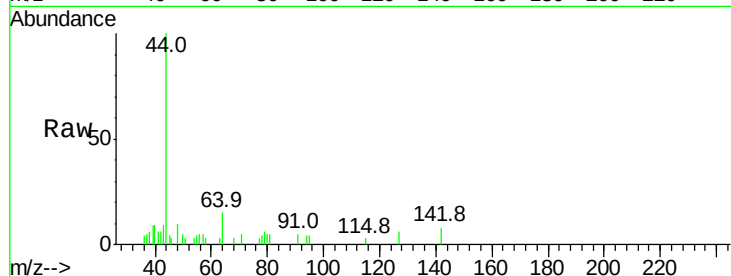
Tot Ion:142 Resp: 199

Ion Ratio Lower Upper

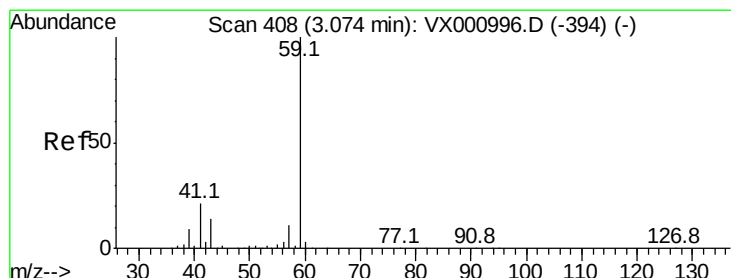
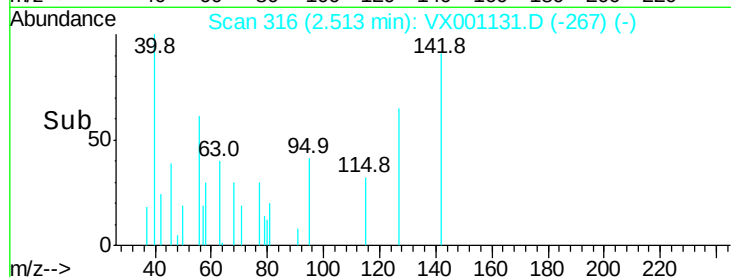
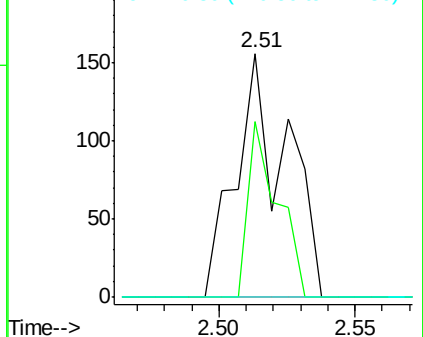
142 100

127 42.2 34.0 51.0

141 0.0 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 1.877 ug/l

RT: 3.08 min Scan# 408

Delta R.T. 0.01 min

Lab File: VX001131.D

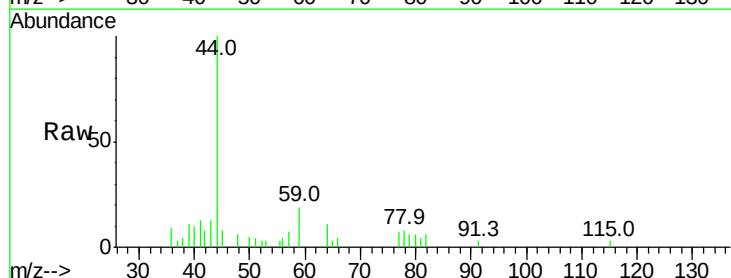
Acq: 25 Apr 2018 20:20

Tgt Ion: 59 Resp: 811

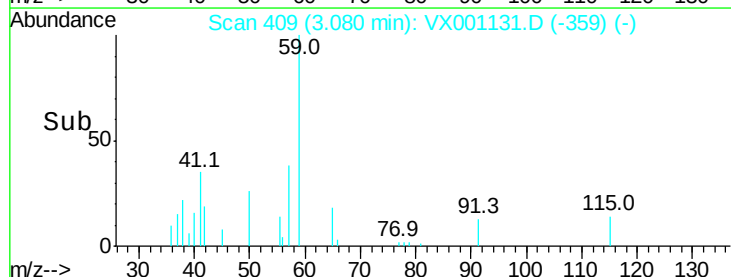
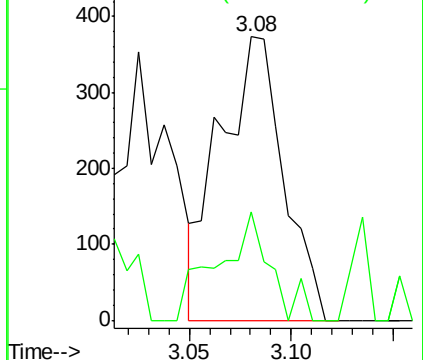
Ion Ratio Lower Upper

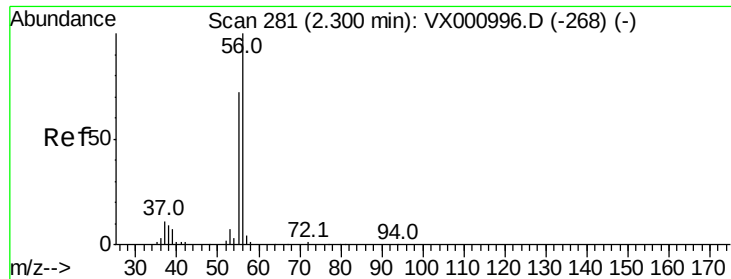
59 100

57 31.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.836 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

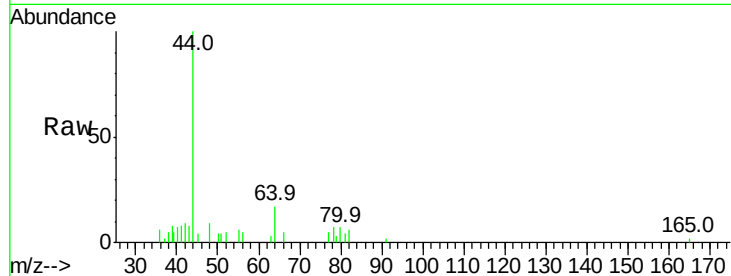
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

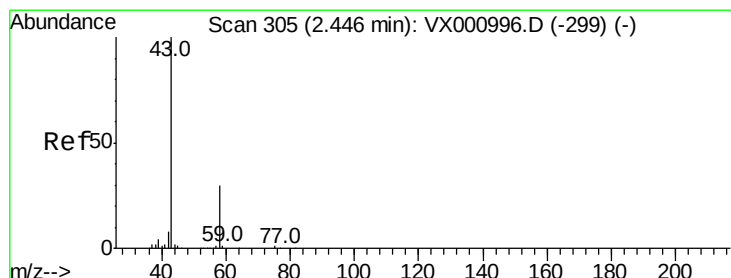
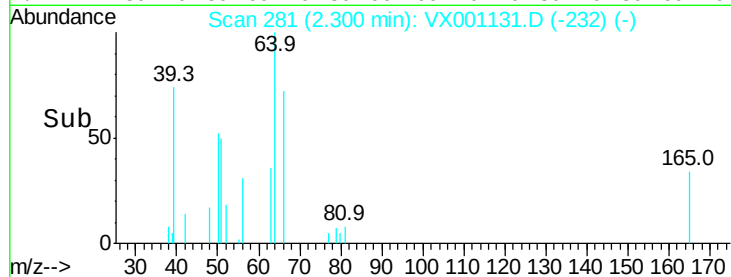
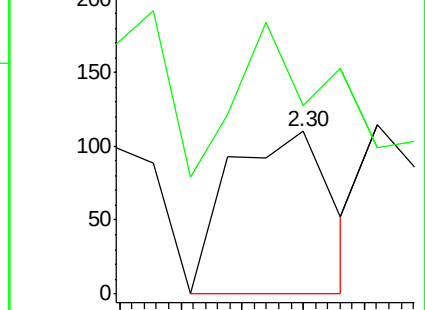
56 100

55 91.3 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.725 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001131.D

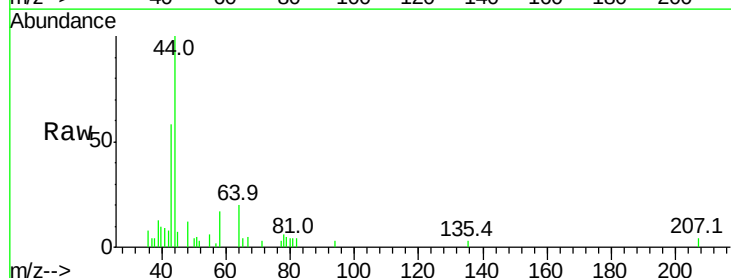
Acq: 25 Apr 2018 20:20

Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

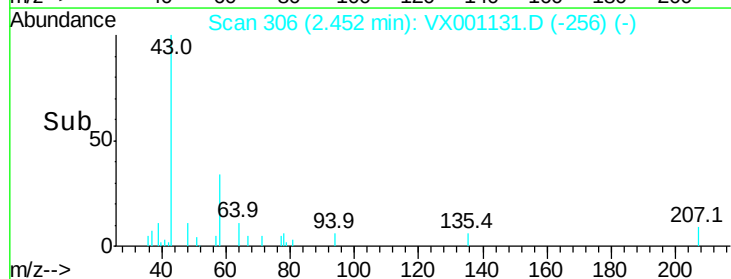
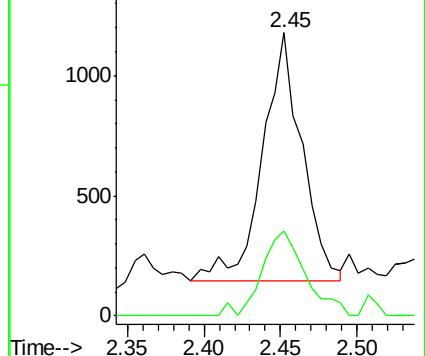
43 100

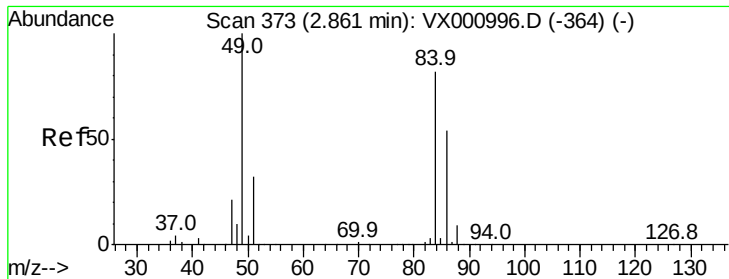
58 34.3 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

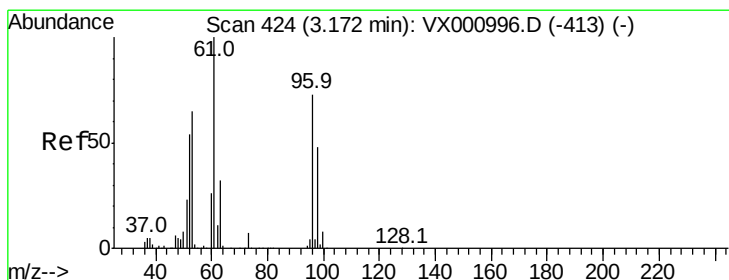
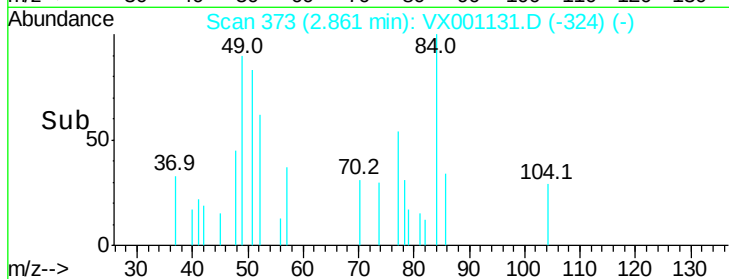
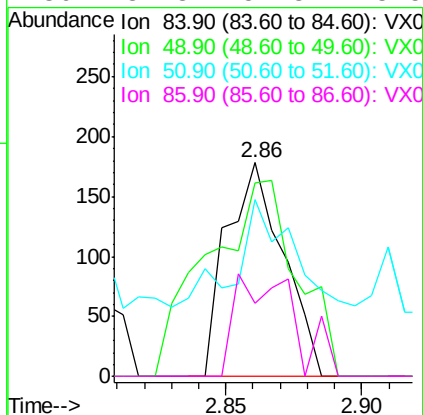
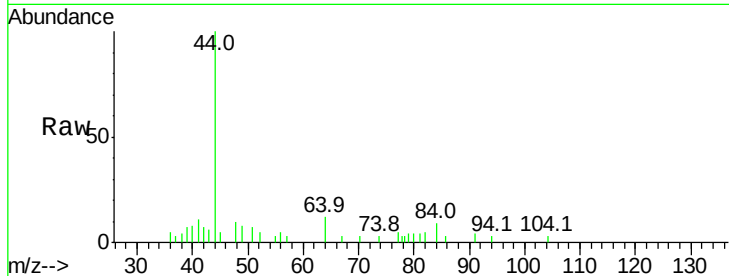




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

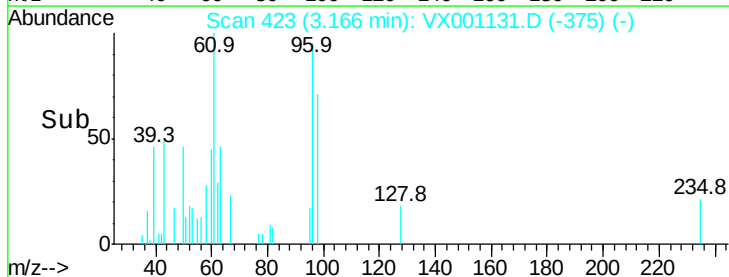
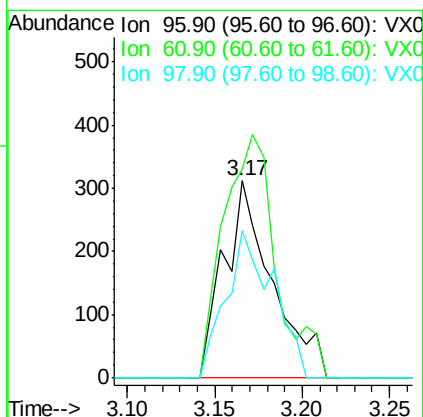
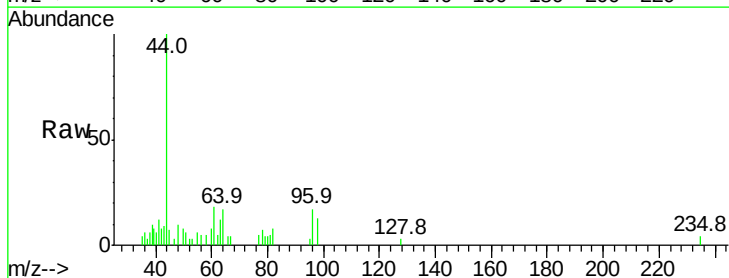
Instrument :
MSVOA_X
ClientSampled :

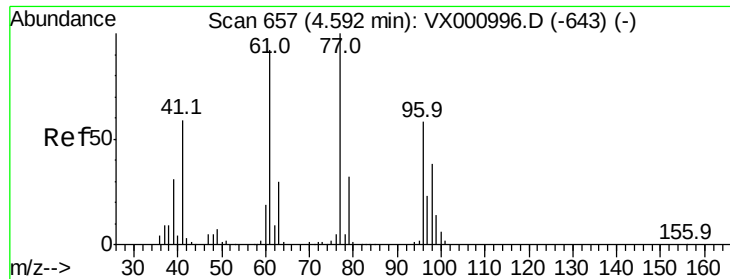
Tot Ion: 84 Resp: 256
Ion Ratio Lower Upper
84 100
49 90.4 97.1 145.7#
51 47.8 30.8 46.2#
86 34.3 52.3 78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.245 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Tgt Ion: 96 Resp: 601
Ion Ratio Lower Upper
96 100
61 105.8 109.4 164.2#
98 74.7 52.6 78.8

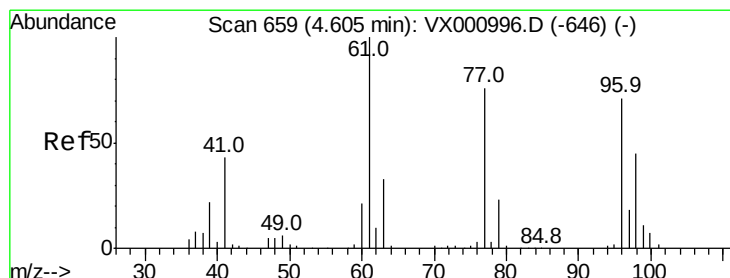
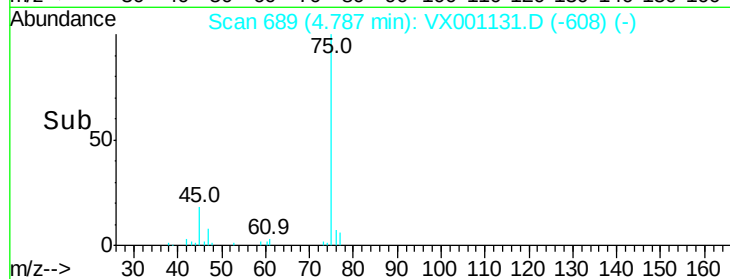
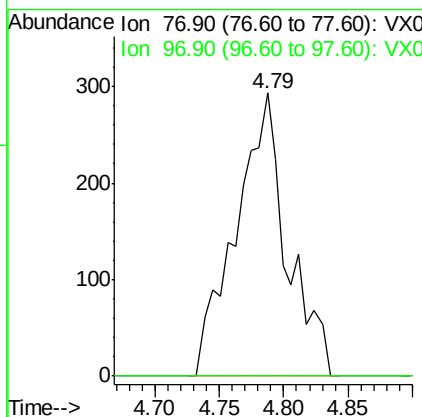
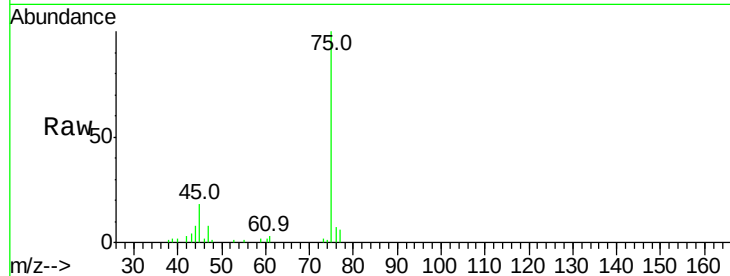




#26
 2,2-Dichloropropane
 Concen: 0.216 ug/l
 RT: 4.79 min Scan# 689
 Delta R.T. 0.19 min
 Lab File: VX001131.D
 Acq: 25 Apr 2018 20:20

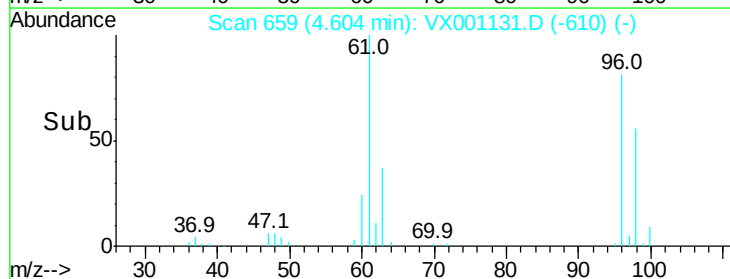
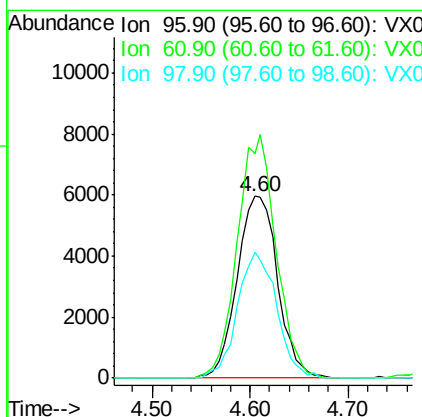
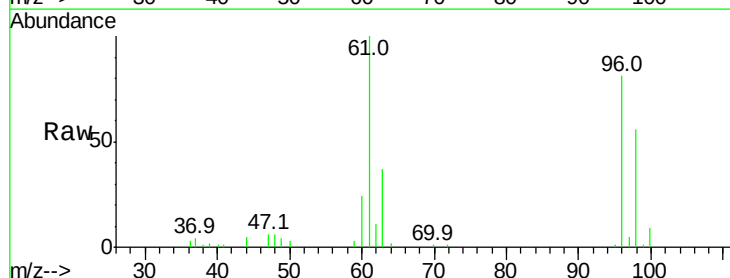
Instrument :
 MSVOA_X
 ClientSampleId :

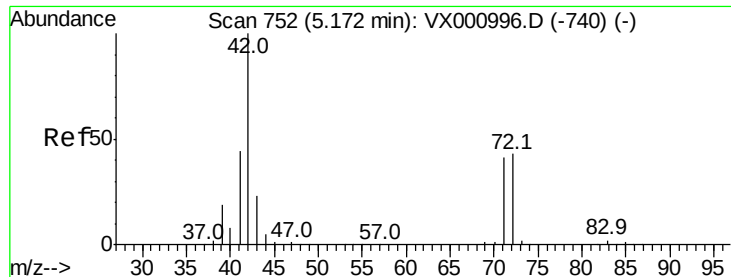
Tot Ion: 77 Resp: 805
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



#27
 cis-1,2-Dichloroethene
 Concen: 6.281 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001131.D
 Acq: 25 Apr 2018 20:20

Tgt Ion: 96 Resp: 17151
 Ion Ratio Lower Upper
 96 100
 61 127.5 0.0 297.0
 98 66.8 0.0 130.0





#29

Tetrahydrofuran

Concen: 0.744 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.03 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

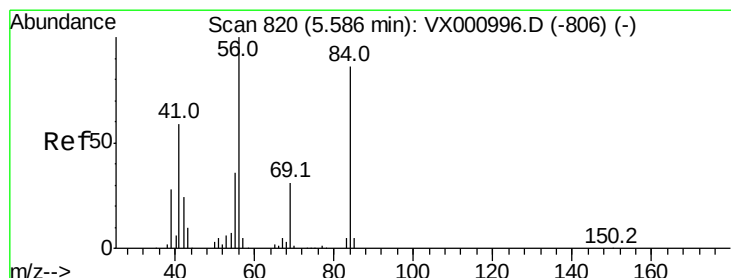
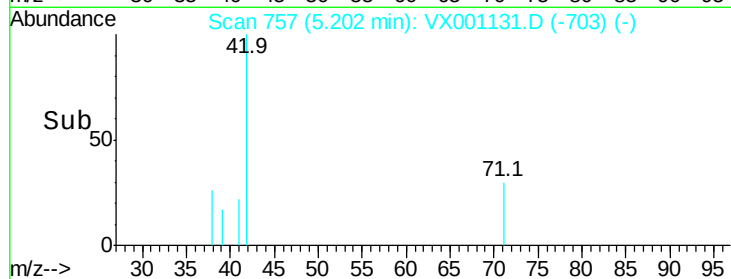
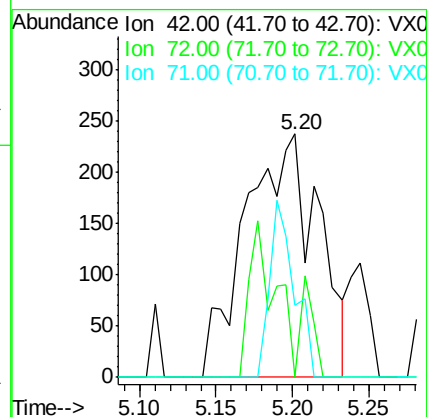
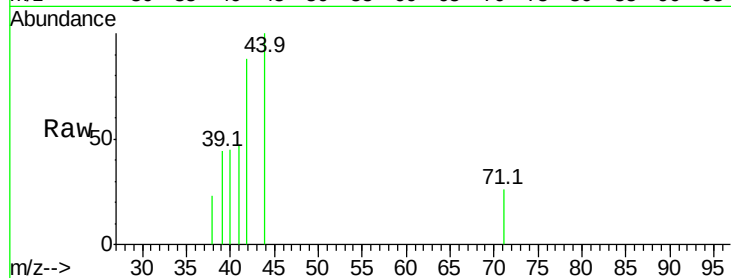
Tot Ion: 42 Resp: 792

Ion Ratio Lower Upper

42 100

72 7.1 34.6 52.0#

71 24.7 32.6 49.0#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

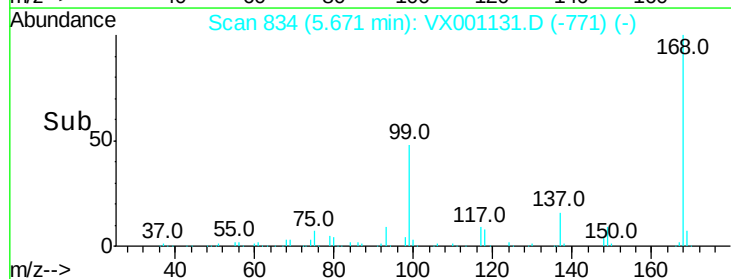
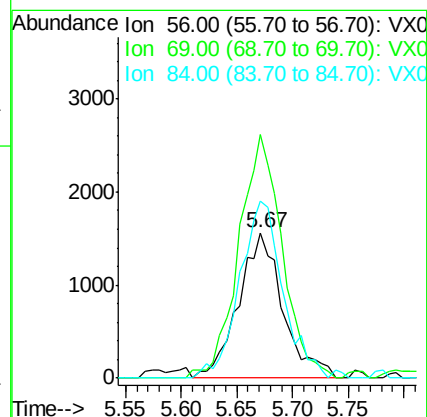
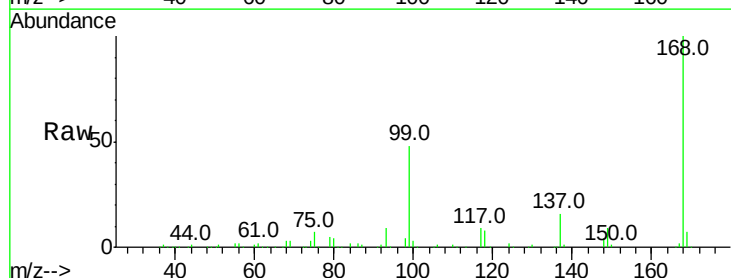
Tgt Ion: 56 Resp: 4324

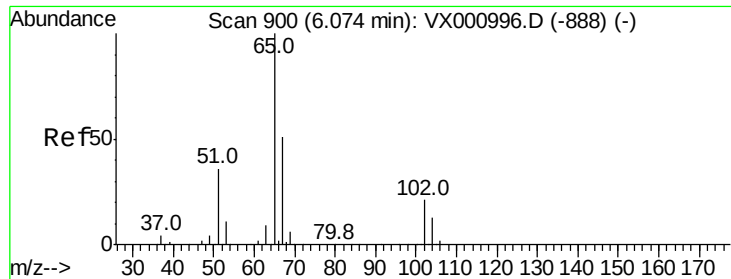
Ion Ratio Lower Upper

56 100

69 167.4 24.6 36.8#

84 122.0 69.0 103.6#

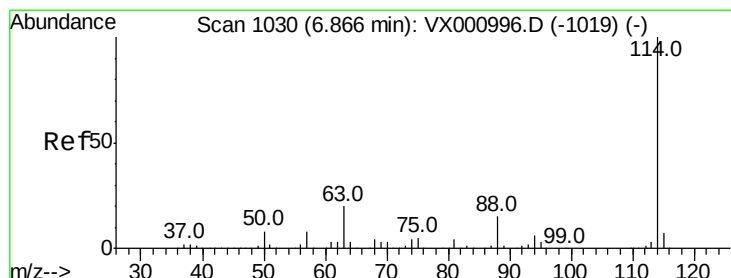
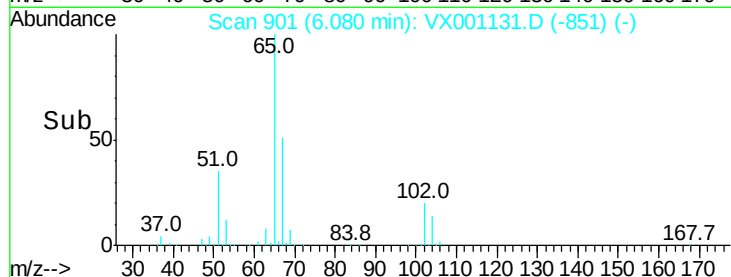
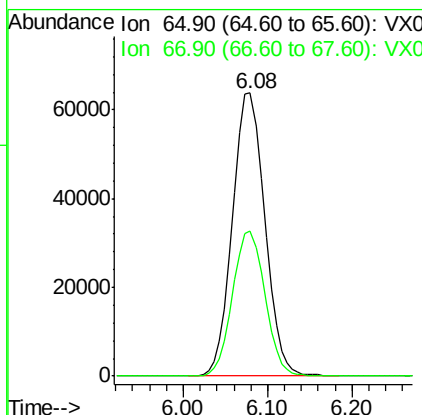
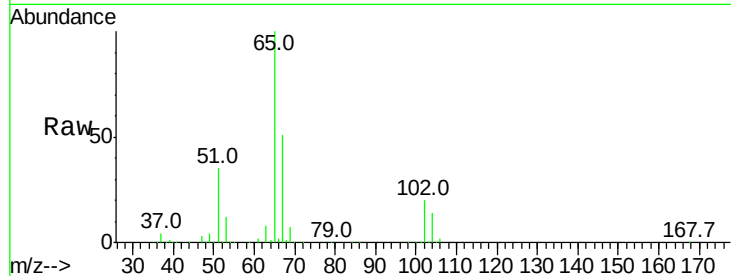




#33
 1,2-Dichloroethane-d4
 Concen: 58.230 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001131.D
 Acq: 25 Apr 2018 20:20

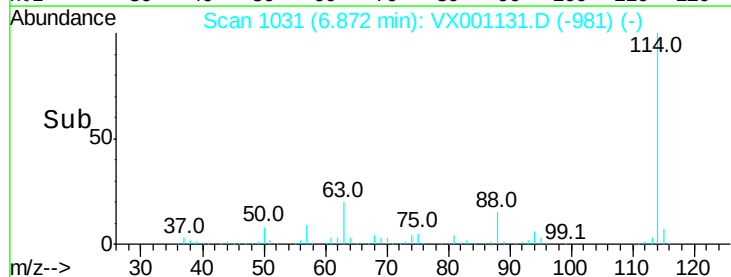
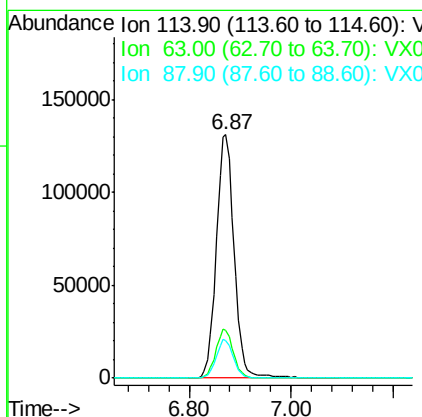
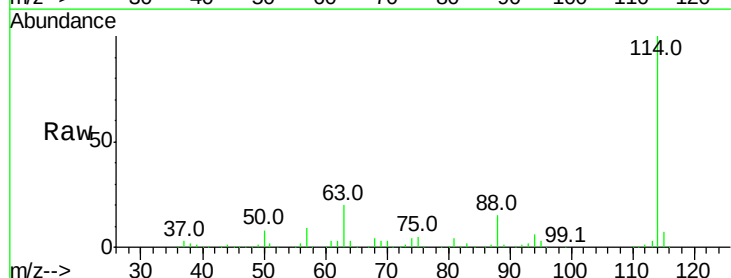
Instrument :
 MSVOA_X
 ClientSampleId :

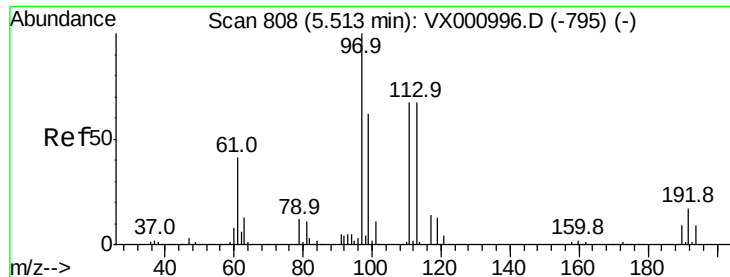
Tot Ion: 65 Resp: 166814
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001131.D
 Acq: 25 Apr 2018 20:20

Tgt Ion:114 Resp: 319637
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 52.255 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :

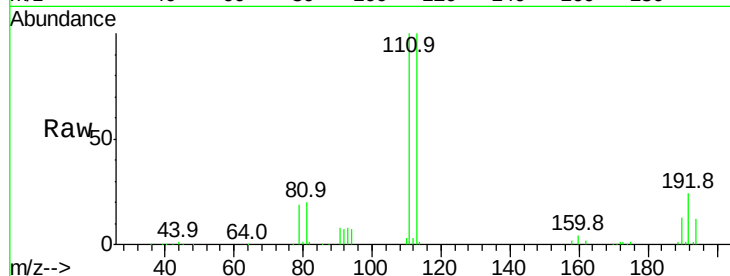
Tot Ion:113 Resp: 127364

Ion Ratio Lower Upper

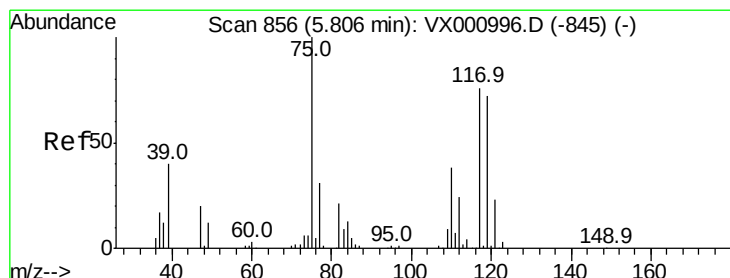
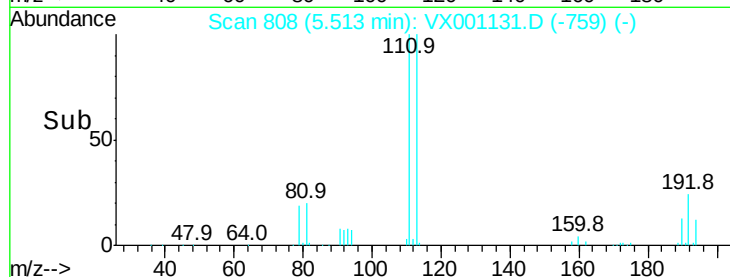
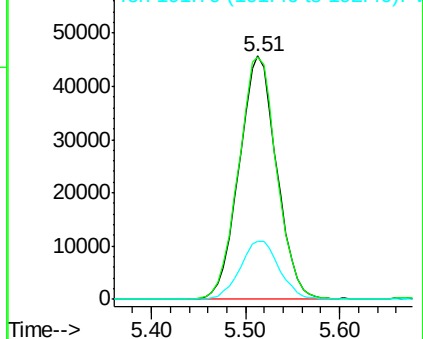
113 100

111 101.5 81.4 122.2

192 24.9 20.4 30.6



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: 3.836 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

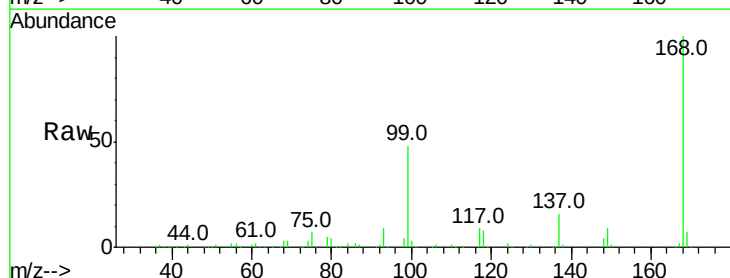
Tgt Ion: 75 Resp: 14409

Ion Ratio Lower Upper

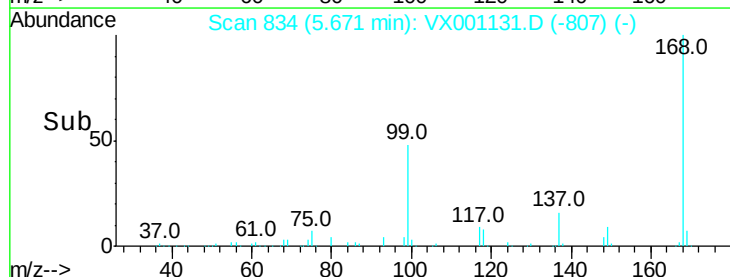
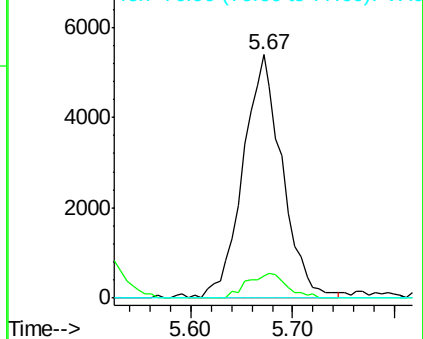
75 100

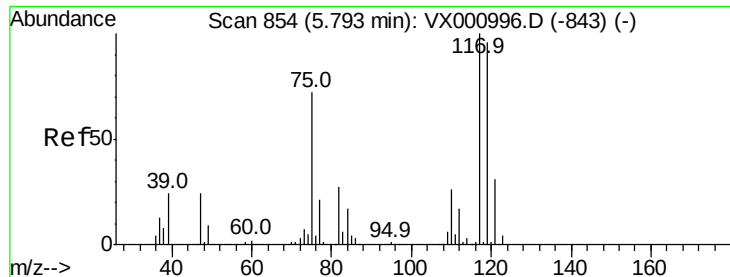
110 10.2 18.7 56.1#

77 0.0 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

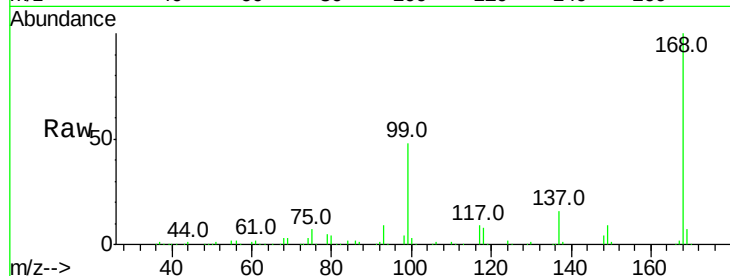




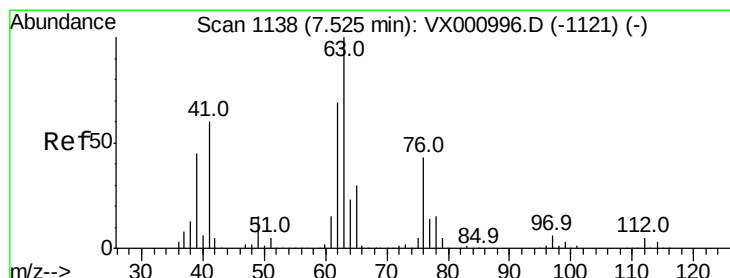
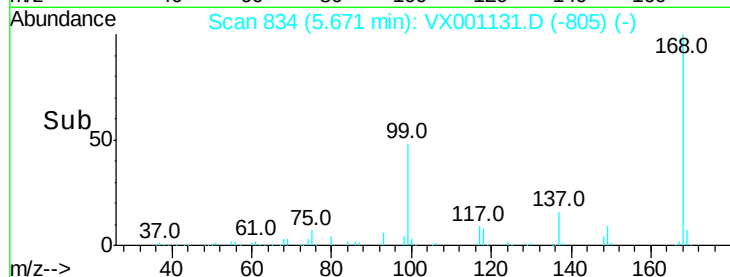
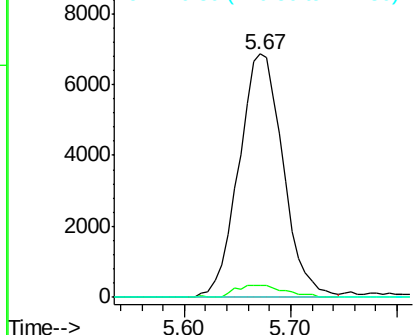
#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 20018
Ion Ratio Lower Upper
117 100
119 4.7 76.5 114.7#
121 0.0 24.5 36.7#

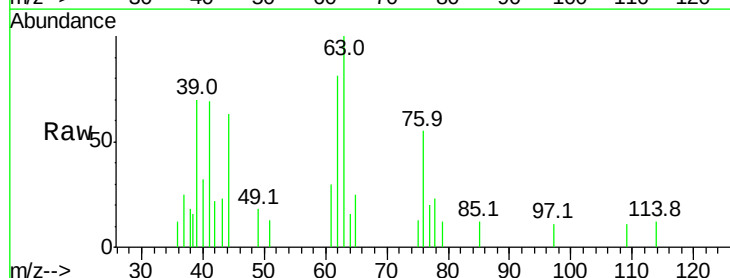


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

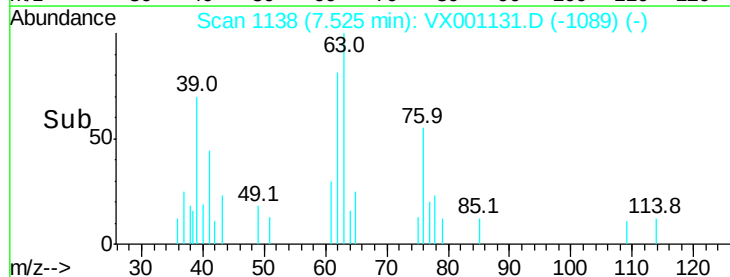
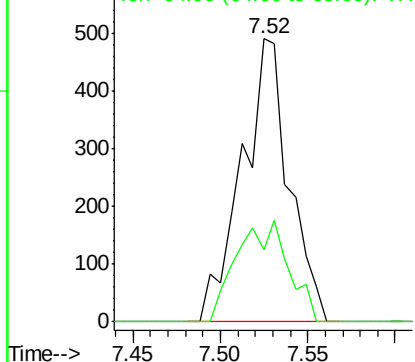


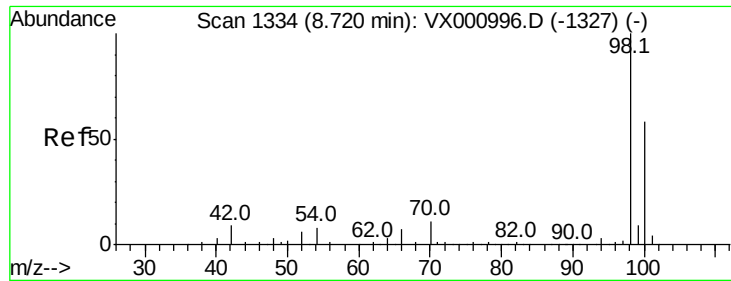
#45
1,2-Dichloropropane
Concen: 0.351 ug/l
RT: 7.52 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Tgt Ion: 63 Resp: 922
Ion Ratio Lower Upper
63 100
65 25.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 64.90 (64.60 to 65.60): VX0

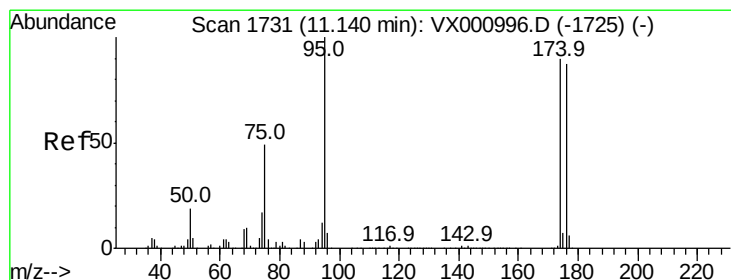
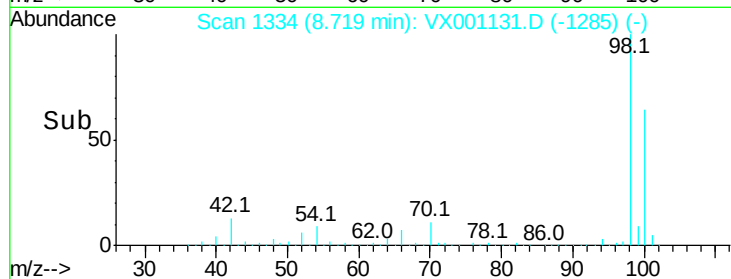
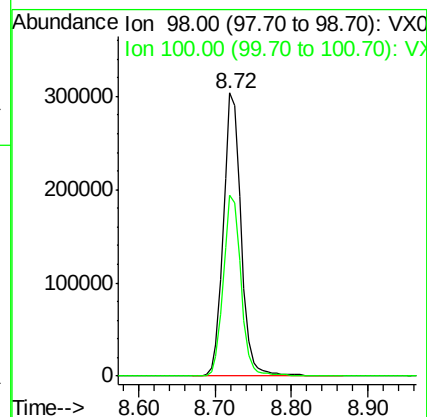
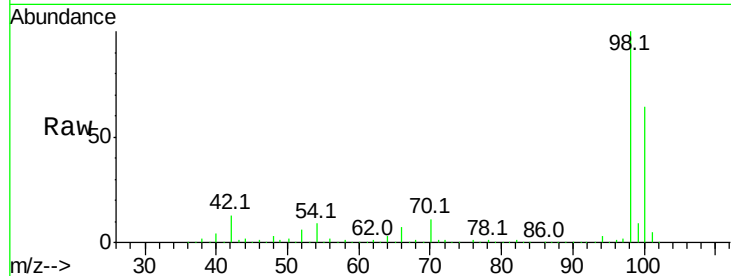




#50
Toluene-d8
Concen: 54.164 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

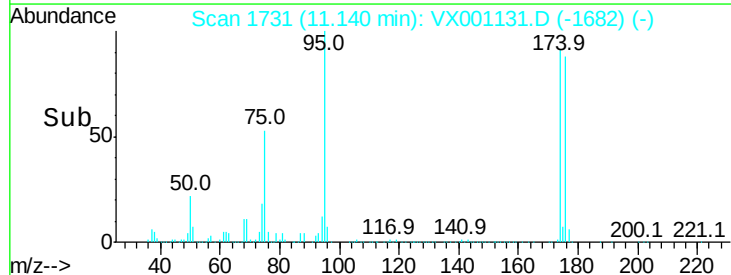
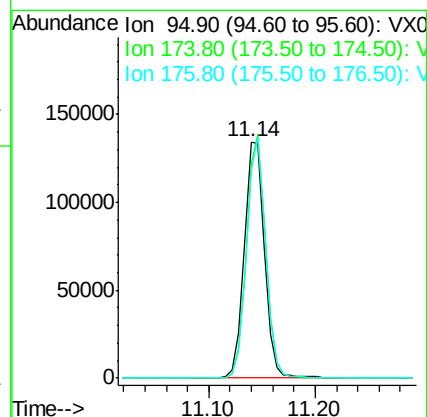
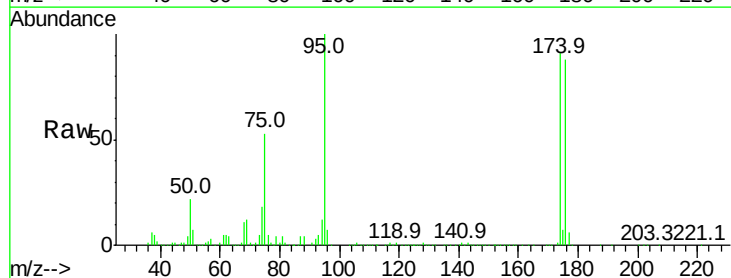
Instrument :
MSVOA_X
ClientSampleId :

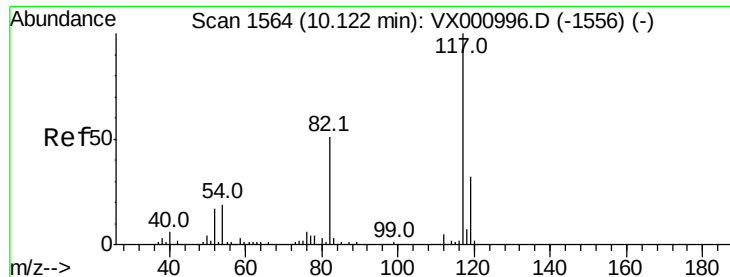
Tot Ion: 98 Resp: 488148
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.280 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Tgt Ion: 95 Resp: 178829
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 96.1 0.0 192.0

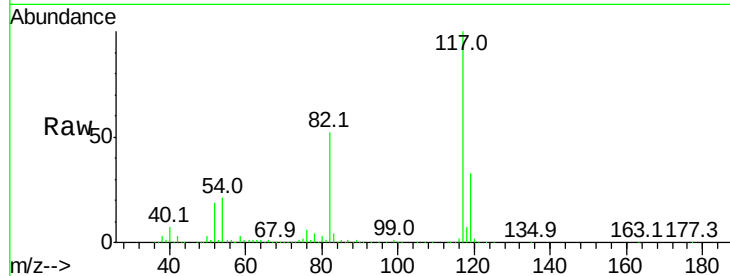




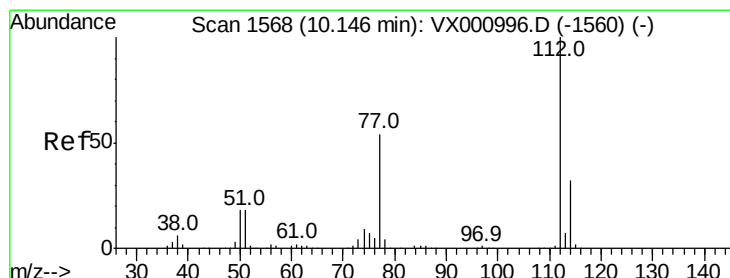
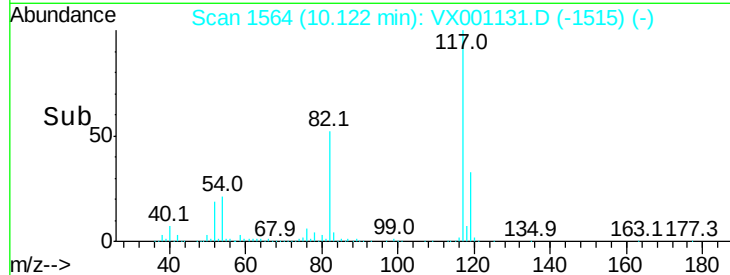
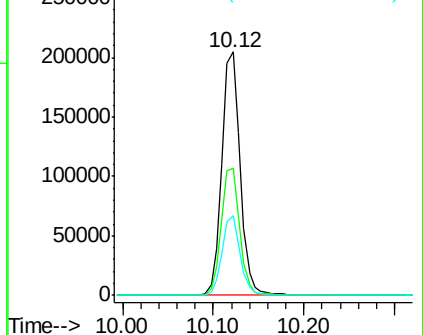
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 289500
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.9 26.0 39.0

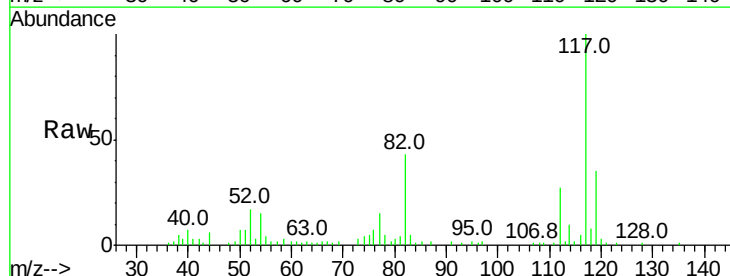


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

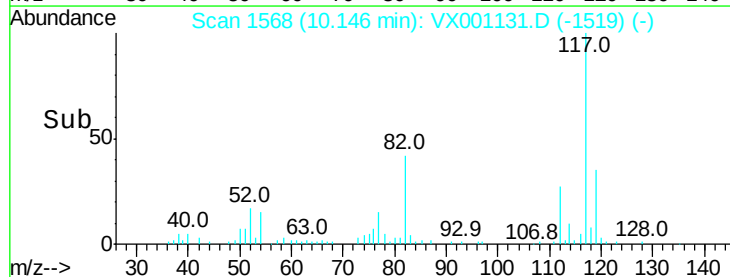
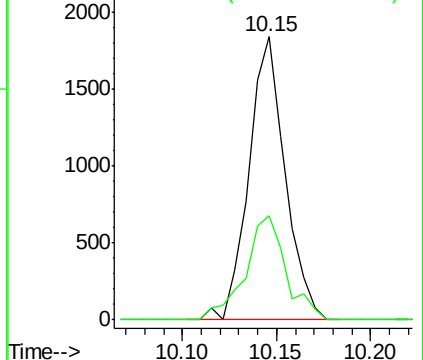


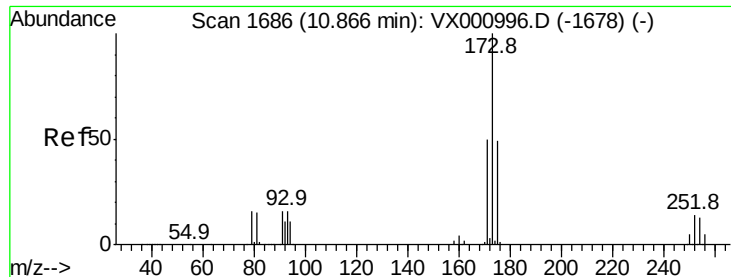
#65
Chlorobenzene
Concen: 0.319 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001131.D
Acq: 25 Apr 2018 20:20

Tgt Ion:112 Resp: 2459
Ion Ratio Lower Upper
112 100
114 36.9 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 2.749 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

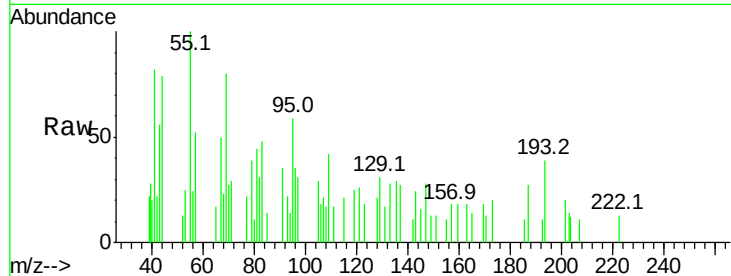
Tot Ion:173 Resp: 58

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.3#

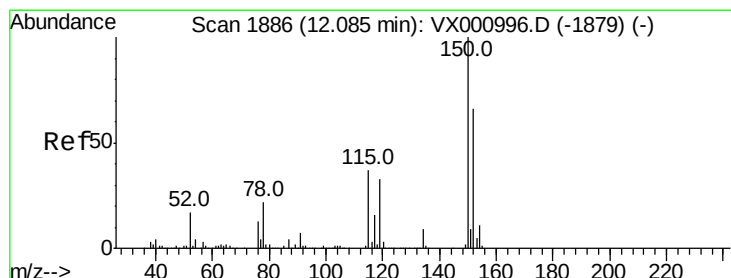
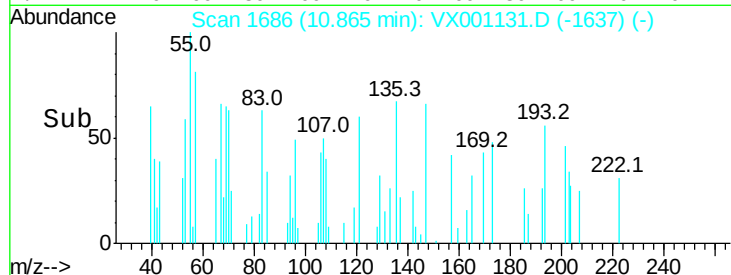
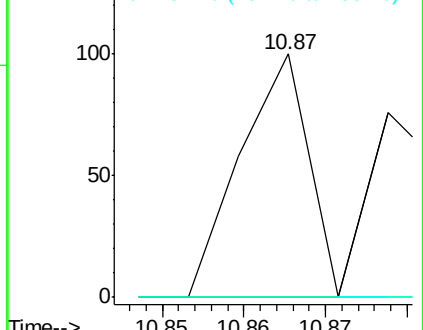
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

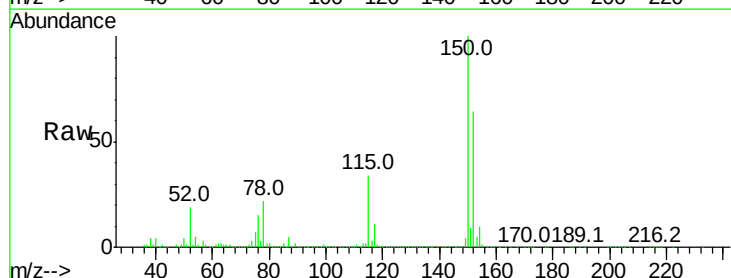
Tgt Ion:152 Resp: 170403

Ion Ratio Lower Upper

152 100

115 53.3 38.2 114.6

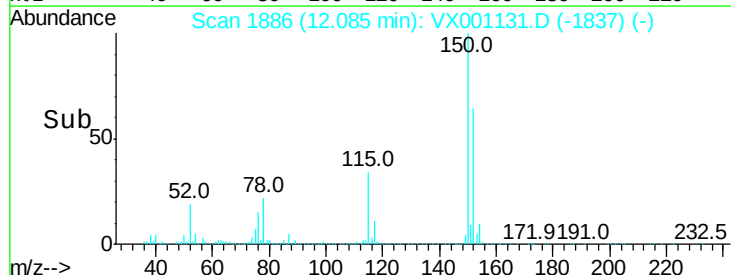
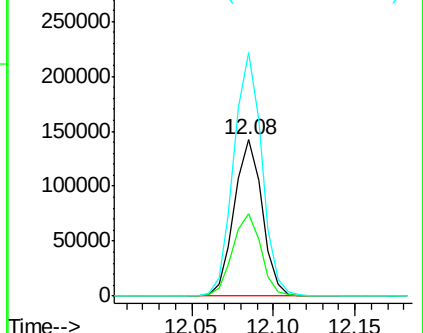
150 156.5 0.0 350.4

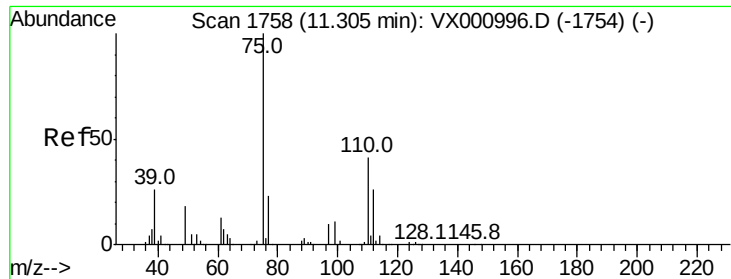


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.239 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

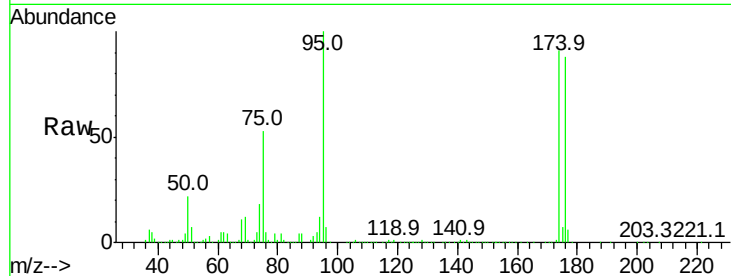
ClientSampleId :

Tot Ion: 75 Resp: 92358

Ion Ratio Lower Upper

75 100

77 1.1 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

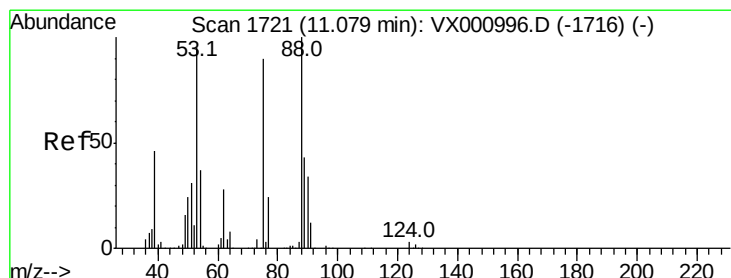
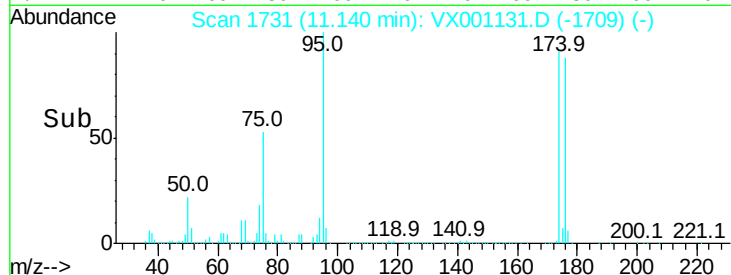
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 92.889 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

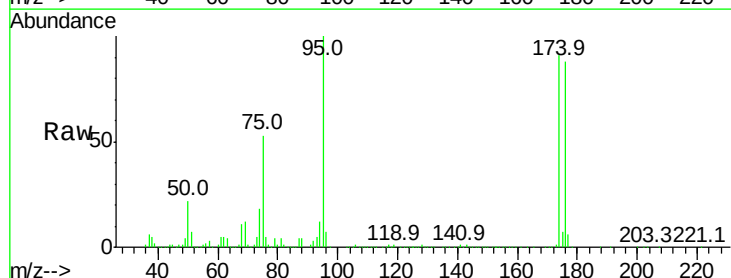
Tgt Ion: 75 Resp: 92358

Ion Ratio Lower Upper

75 100

53 0.2 83.4 125.2#

89 0.0 39.7 59.5#



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

11.14

80000

60000

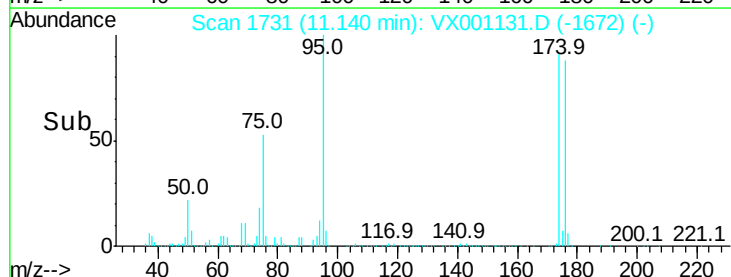
40000

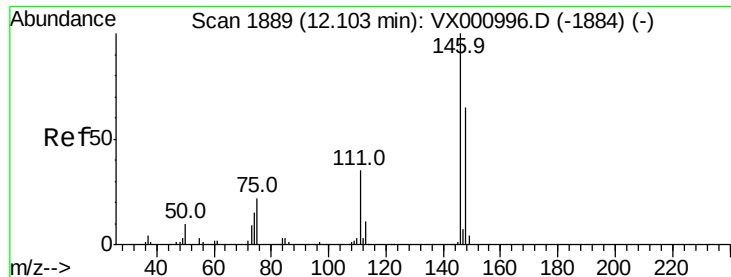
20000

0

Time-->

11.10 11.20





#88

1,4-Dichlorobenzene

Concen: 0.745 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

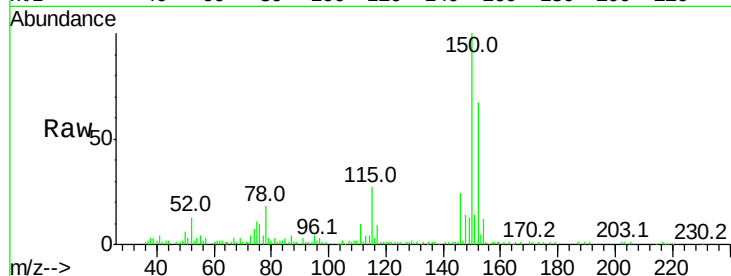
Tot Ion:146 Resp: 4630

Ion Ratio Lower Upper

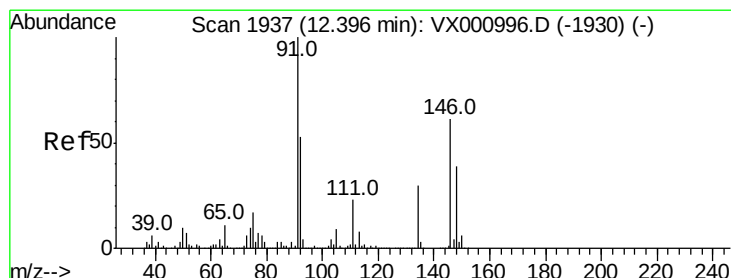
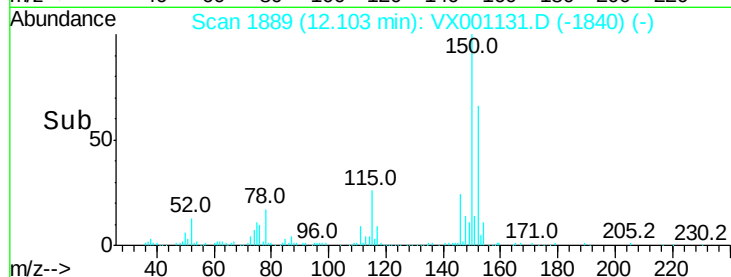
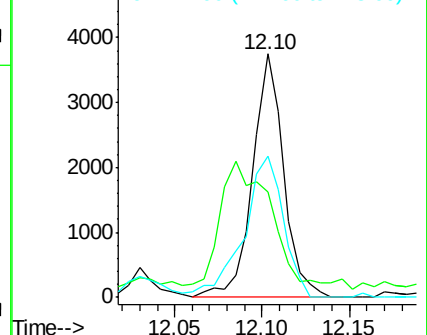
146 100

111 87.1 18.0 54.0#

148 74.2 32.4 97.0



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



#91

1,2-Dichlorobenzene

Concen: 0.700 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001131.D

Acq: 25 Apr 2018 20:20

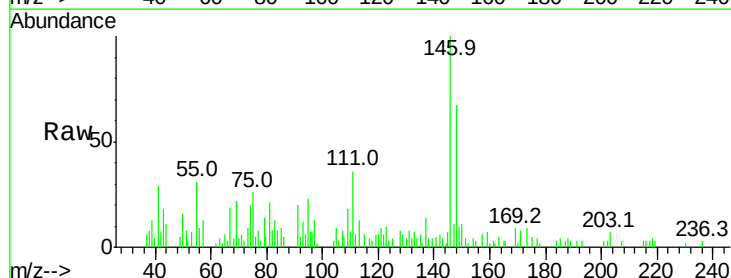
Tgt Ion:146 Resp: 4104

Ion Ratio Lower Upper

146 100

111 33.3 18.6 56.0

148 60.7 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

