

Data File : VX002005.D

Acq On : 26 May 2018 04:35

Operator : JC/MD

Sample : J3065-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-32

Quant Time: May 26 04:55:26 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	434133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	213464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	267148	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	5.51	113	204358	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.72	98	740769	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.14	95	270314	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

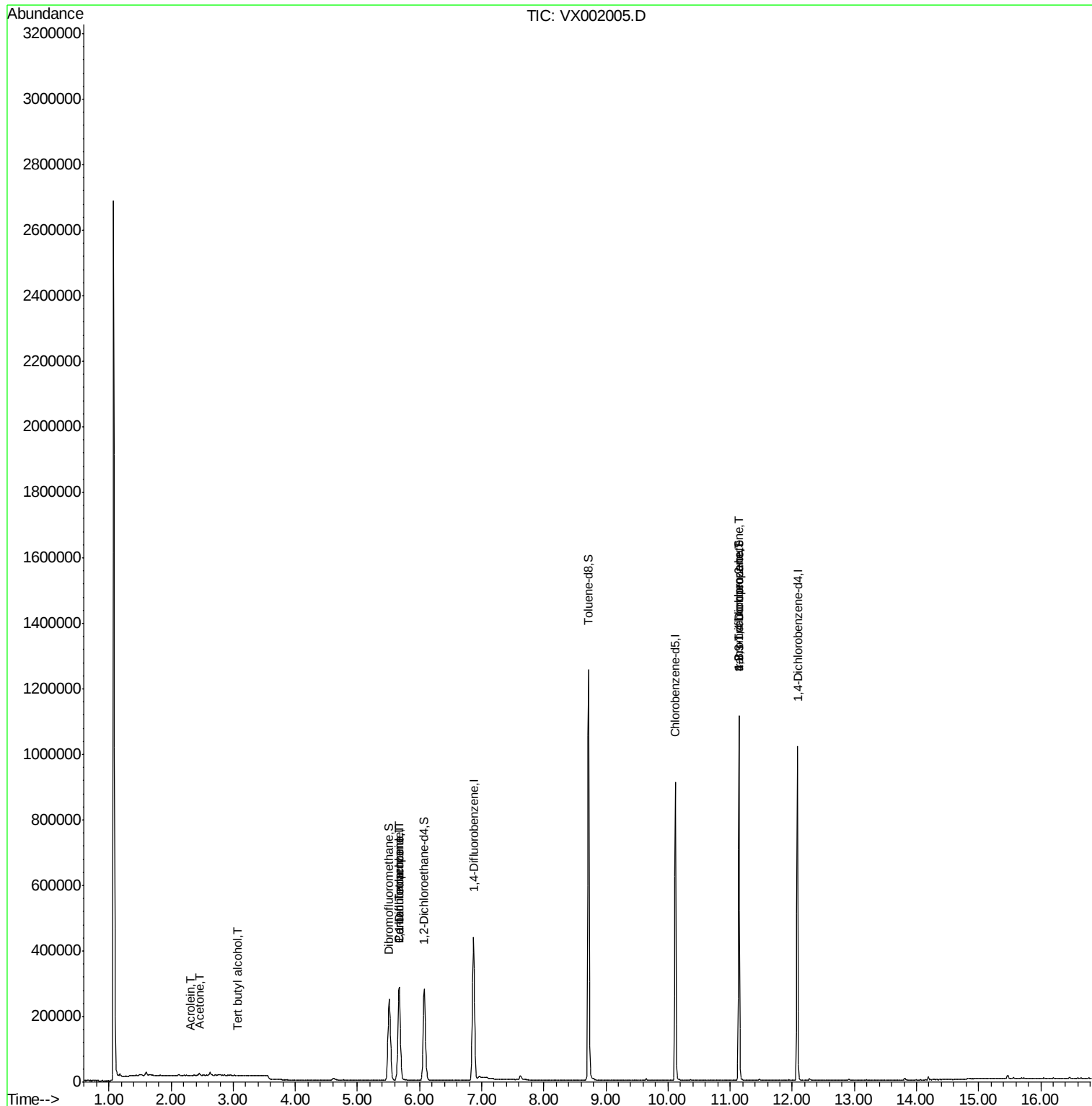
						Qvalue
2) Dichlorodifluoromethane	1.20	85	165	Below Cal		81
5) Bromomethane	1.62	94	31	Below Cal		84
11) Tert butyl alcohol	3.07	59	491	0.49	ug/l	97
13) Acrolein	2.31	56	116	0.27	ug/l #	1
16) Acetone	2.45	43	8782	4.46	ug/l	93
18) Methyl Acetate	2.79	43	3696	Below Cal		100
20) Methylene Chloride	2.86	84	808	Below Cal	#	70
21) trans-1,2-Dichloroethene	3.18	96	177	Below Cal	#	1
28) Bromochloromethane	5.03	49	20	Below Cal	#	14
36) 1,1-Dichloropropene	5.67	75	20531	3.40	ug/l #	52
38) Carbon Tetrachloride	5.68	117	25853	3.67	ug/l #	15
41) Methacrylonitrile	5.05	41	163	Below Cal	#	31
74) N-amyl acetate	6.46	43	188	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	78	Below Cal	#	61
76) 1,2,3-Trichloropropane	11.14	75	141915	27.68	ug/l #	33
79) 2-Chlorotoluene	11.43	91	256	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	141915	66.52	ug/l #	10

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

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ClientSampleId :
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Quant Time: May 26 04:55:26 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

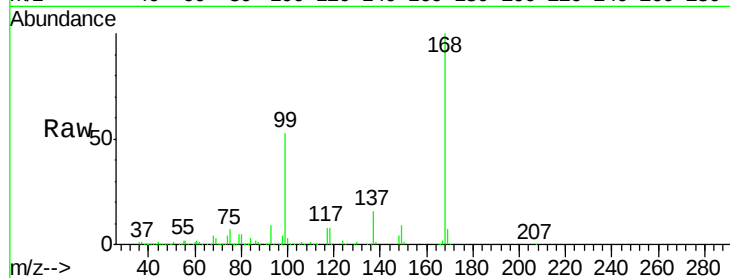
MW-32

Tgt Ion:168 Resp: 285601

Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

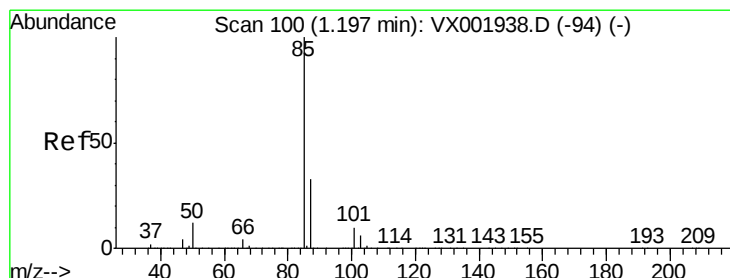
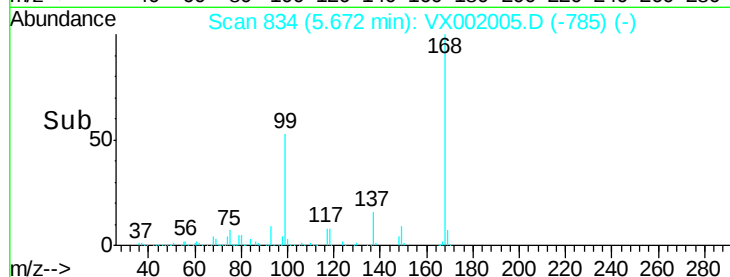
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002005.D

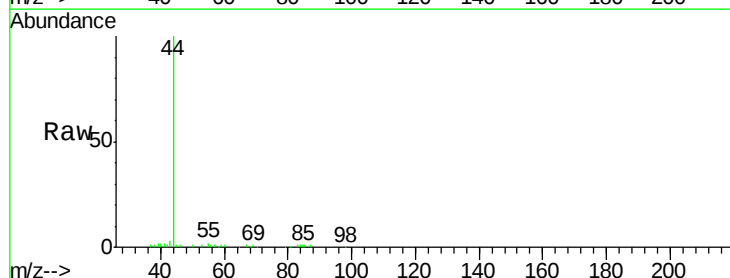
Acq: 26 May 2018 04:35

Tgt Ion: 85 Resp: 165

Ion Ratio Lower Upper

85 100

87 44.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

150

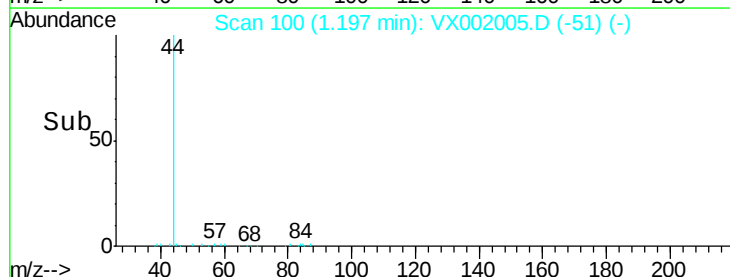
100

50

0

Time-->

1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

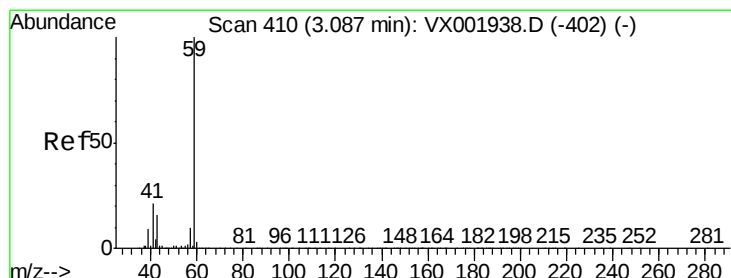
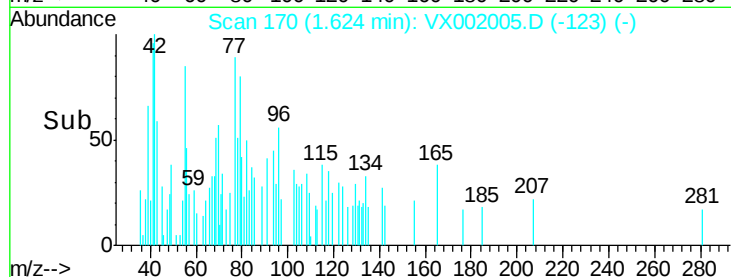
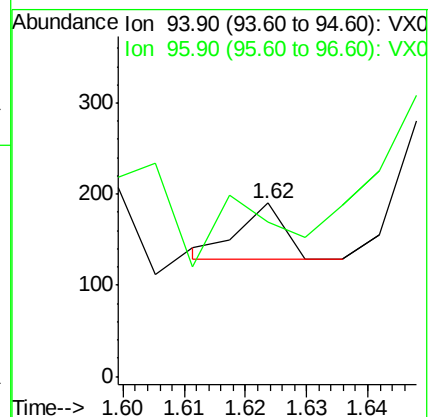
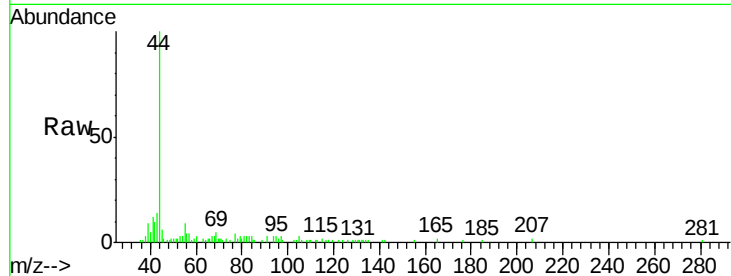
MW-32

Tgt Ion: 94 Resp: 31

Ion Ratio Lower Upper

94 100

96 79.0 75.9 113.9



#11

Tert butyl alcohol

Concen: 0.49 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.02 min

Lab File: VX002005.D

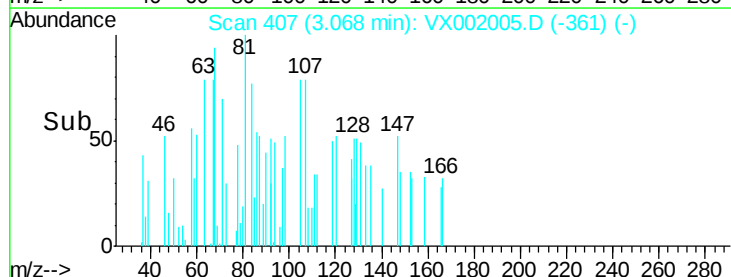
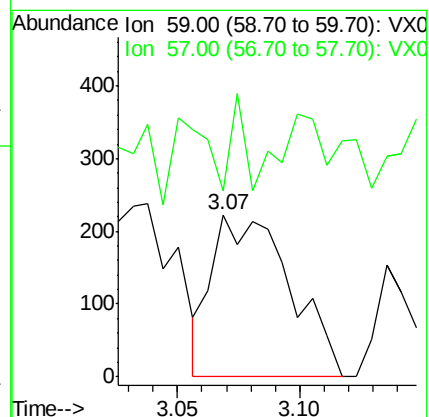
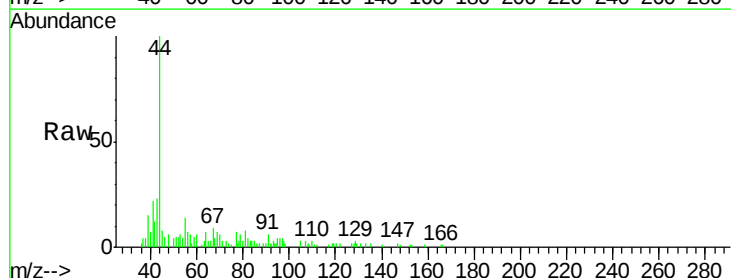
Acq: 26 May 2018 04:35

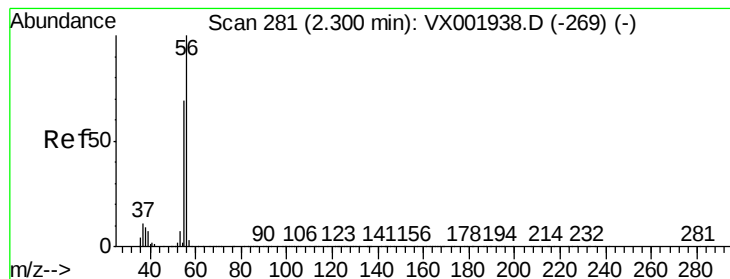
Tgt Ion: 59 Resp: 491

Ion Ratio Lower Upper

59 100

57 10.0 8.9 13.3





#13

Acrolein

Concen: 0.27 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

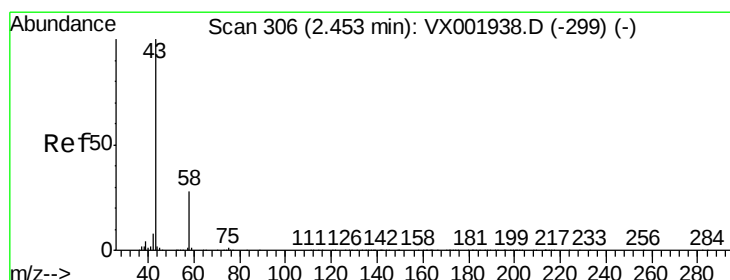
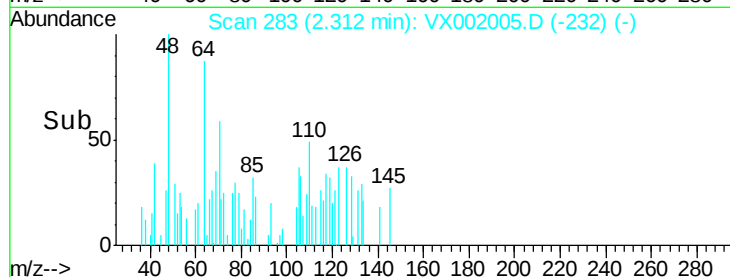
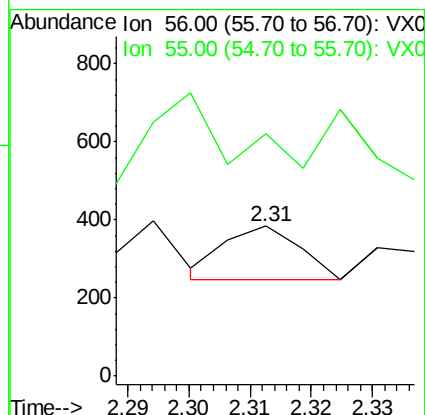
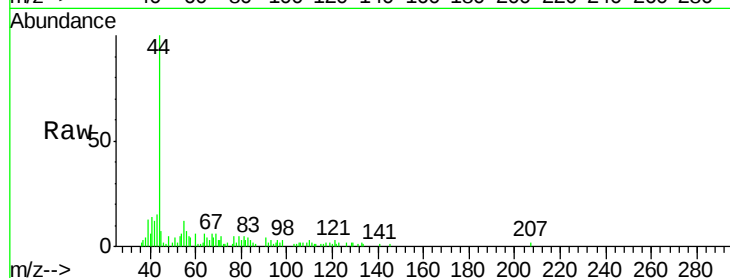
MW-32

Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 191.4 56.8 85.2#



#16

Acetone

Concen: 4.46 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002005.D

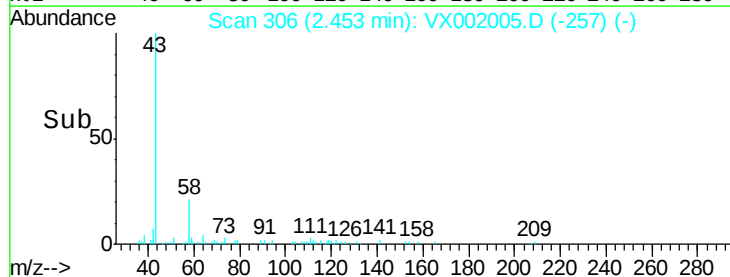
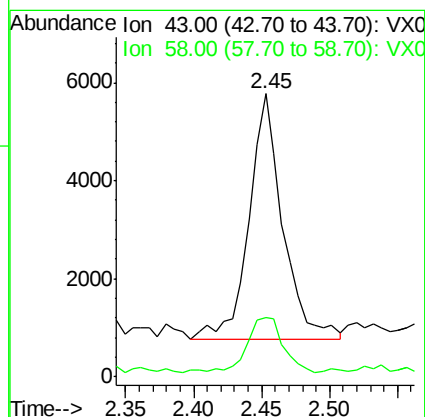
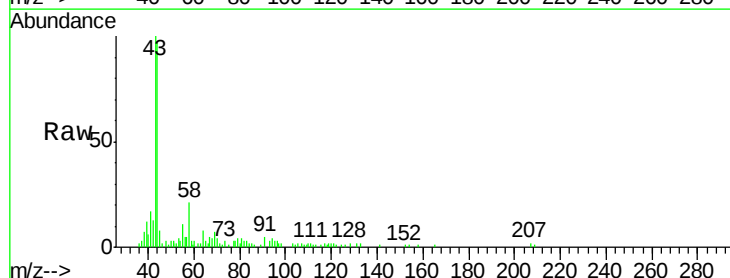
Acq: 26 May 2018 04:35

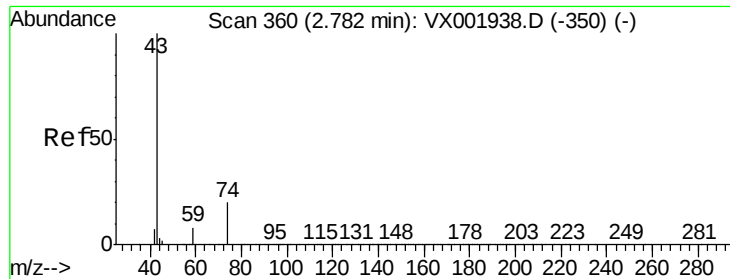
Tgt Ion: 43 Resp: 8782

Ion Ratio Lower Upper

43 100

58 24.3 22.3 33.5

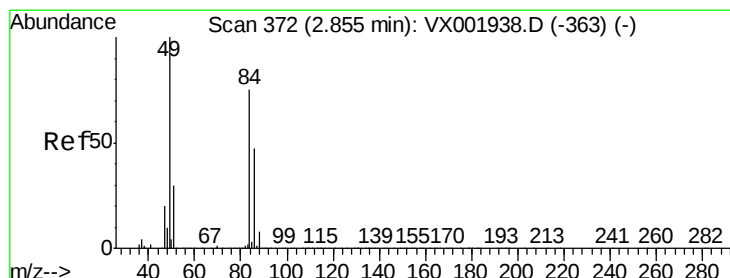
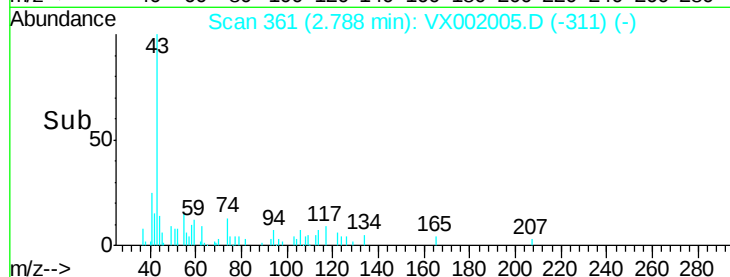
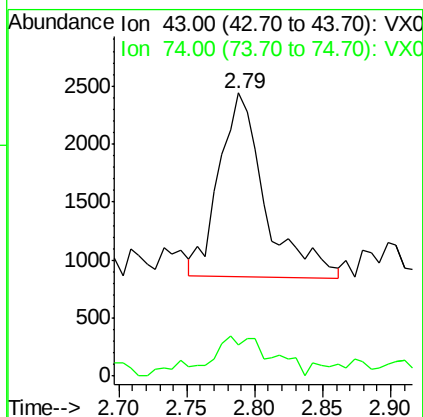
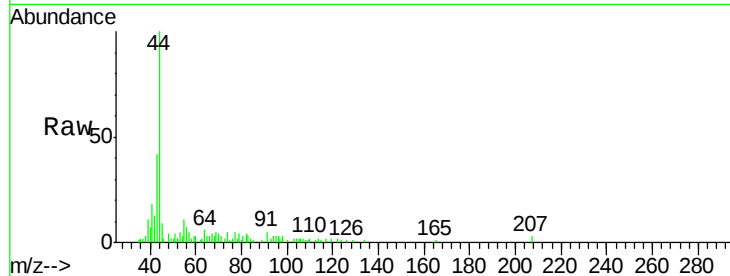




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

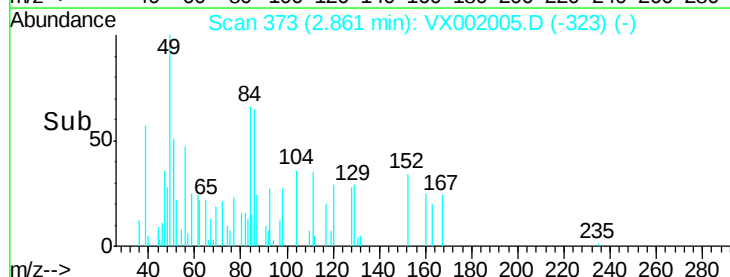
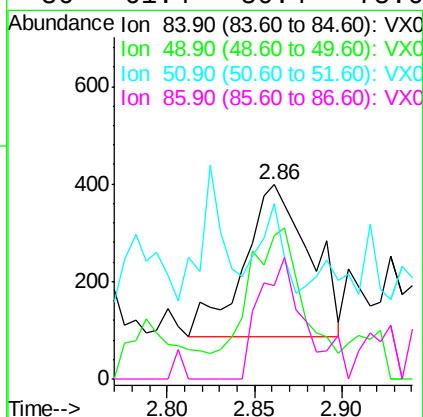
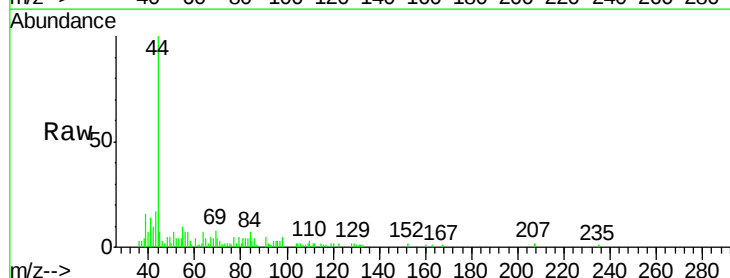
Instrument :
MSVOA_X
ClientSampled :
MW-32

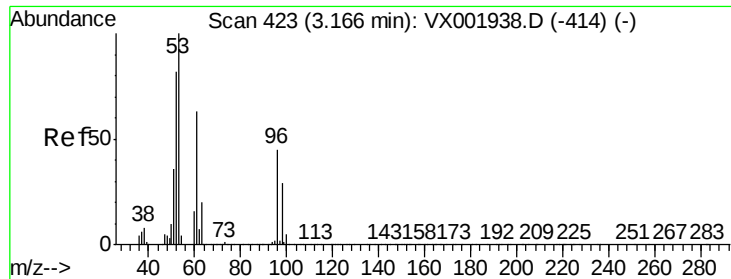
Tgt Ion: 43 Resp: 3696
Ion Ratio Lower Upper
43 100
74 20.8 16.8 25.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

Tgt Ion: 84 Resp: 808
Ion Ratio Lower Upper
84 100
49 77.2 107.2 160.8#
51 50.5 32.4 48.6#
86 61.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.18 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampled :

MW-32

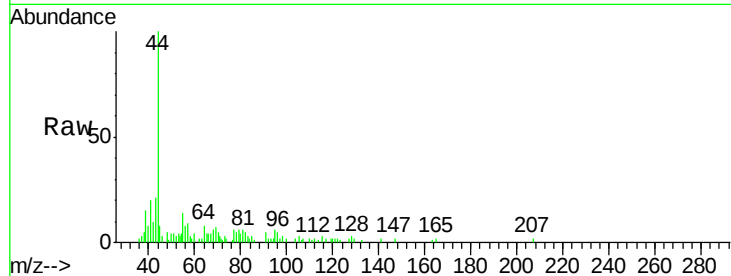
Tgt Ion: 96 Resp: 177

Ion Ratio Lower Upper

96 100

61 0.0 113.3 169.9#

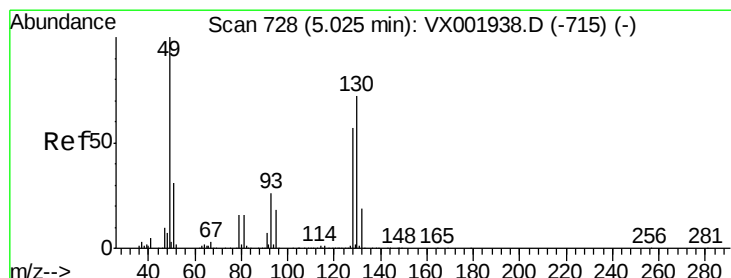
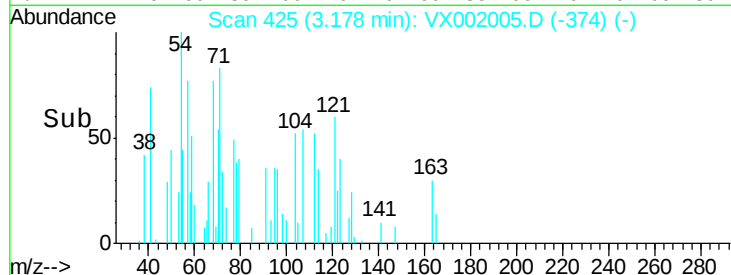
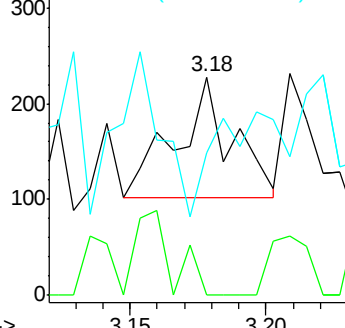
98 0.0 51.7 77.5#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

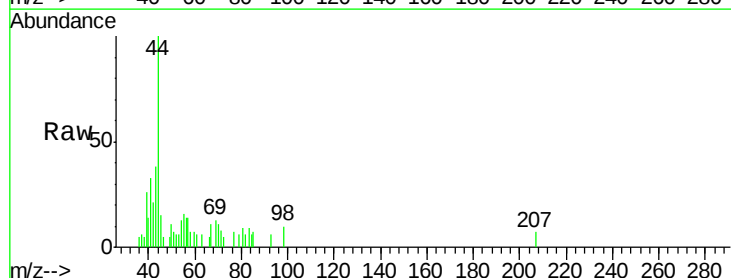
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

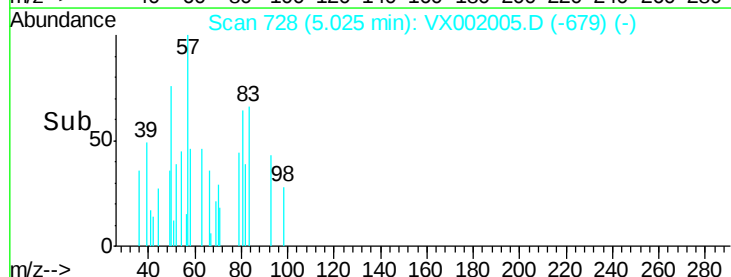
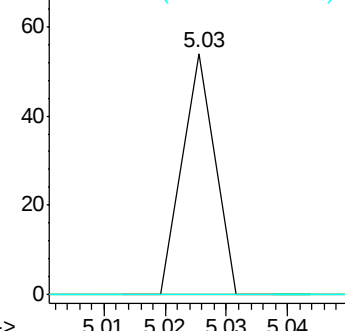
130 0.0 59.4 89.2#

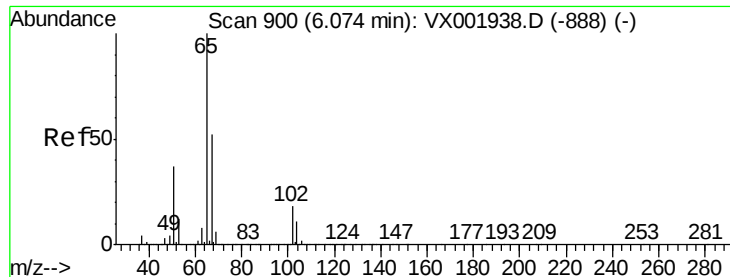


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

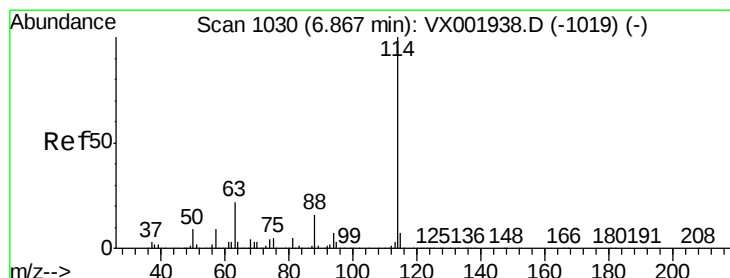
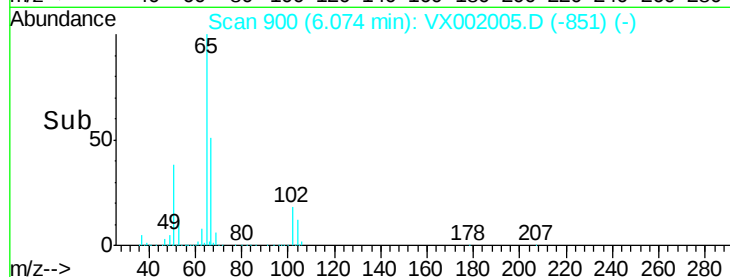
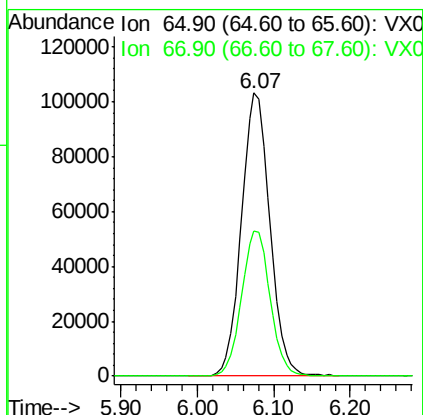
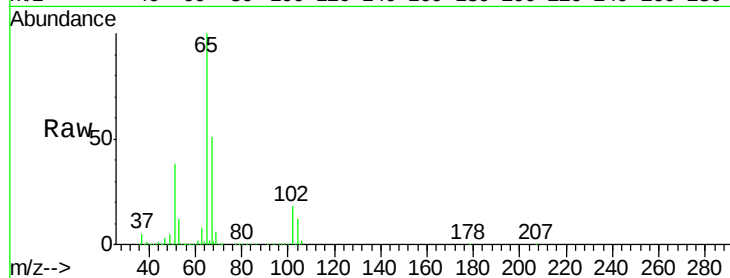




#33
 1,2-Dichloroethane-d4
 Concen: 52.33 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002005.D
 Acq: 26 May 2018 04:35

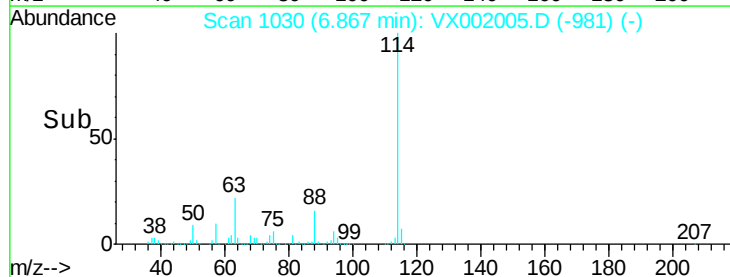
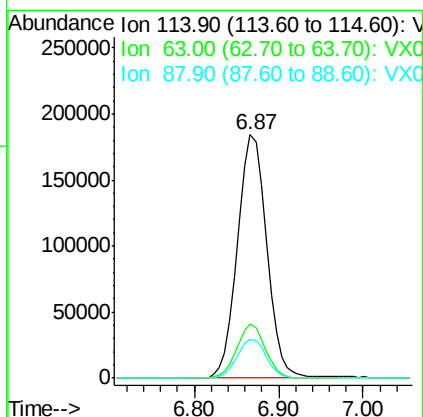
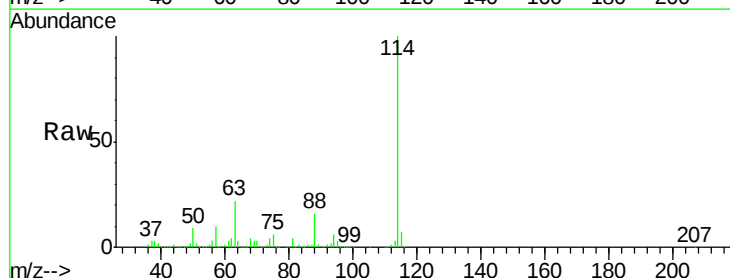
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-32

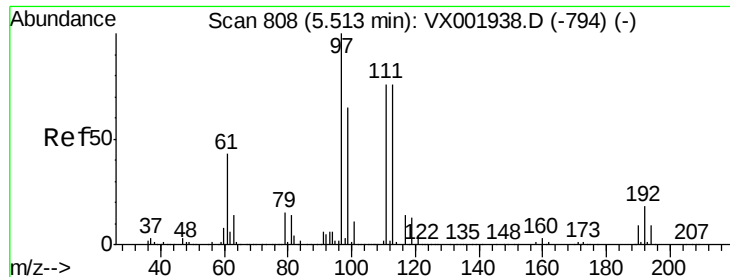
Tgt Ion: 65 Resp: 267148
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002005.D
 Acq: 26 May 2018 04:35

Tgt Ion: 114 Resp: 434133
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

MW-32

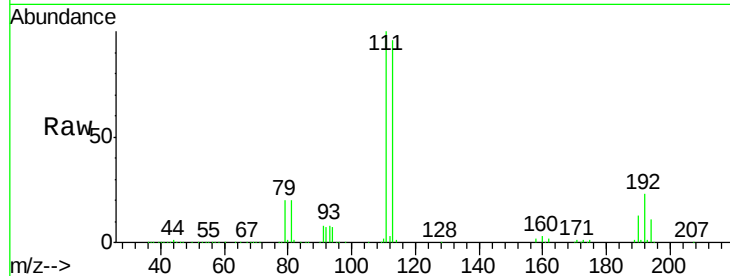
Tgt Ion:113 Resp: 204358

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

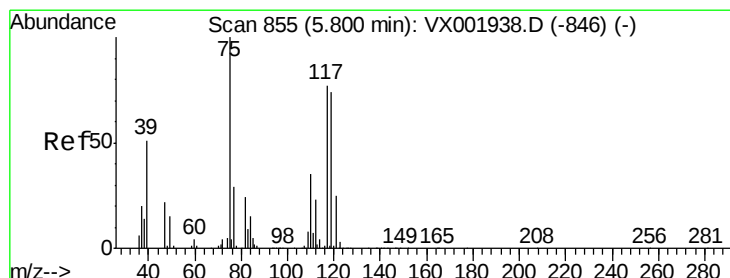
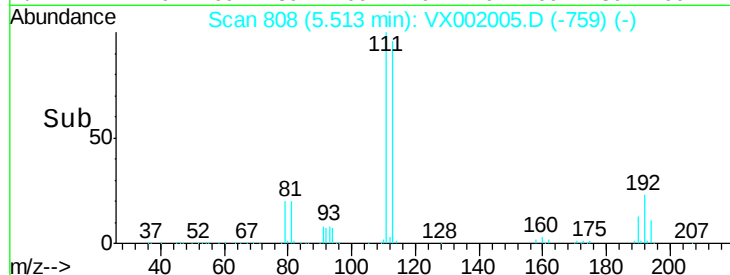
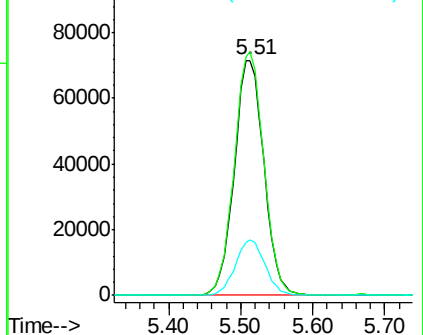
192 23.7 18.9 28.3



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: 3.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

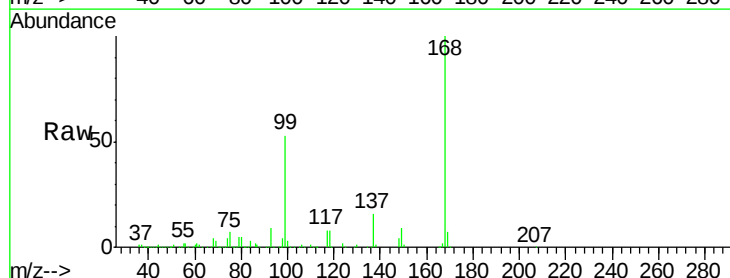
Tgt Ion: 75 Resp: 20531

Ion Ratio Lower Upper

75 100

110 10.9 17.4 52.2#

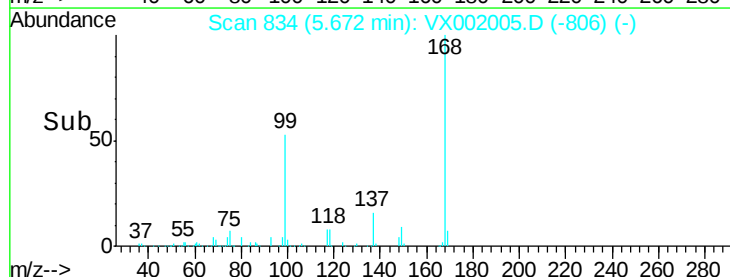
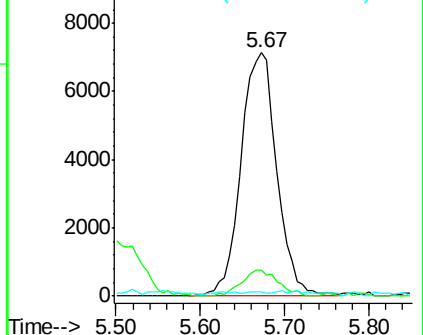
77 0.2 24.4 36.6#

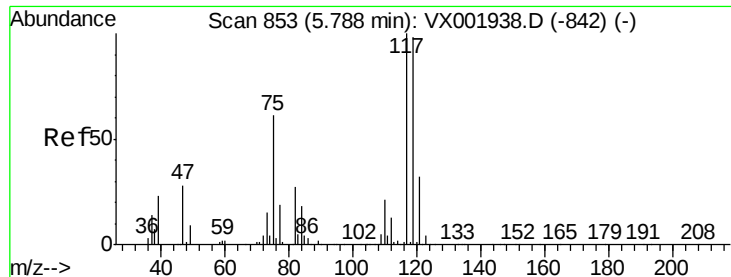


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

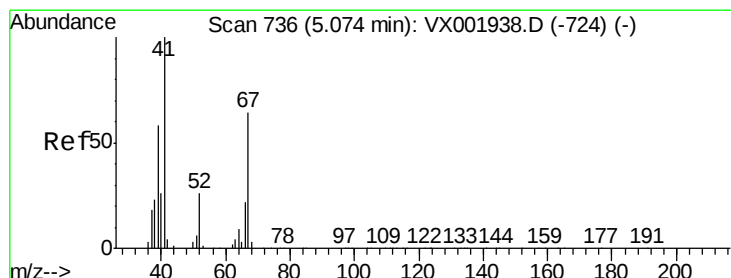
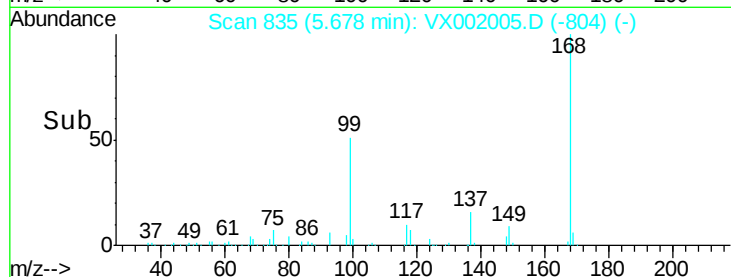
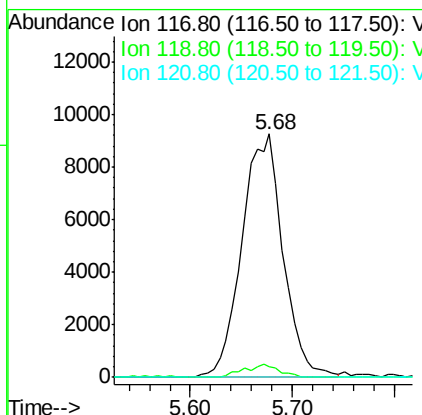
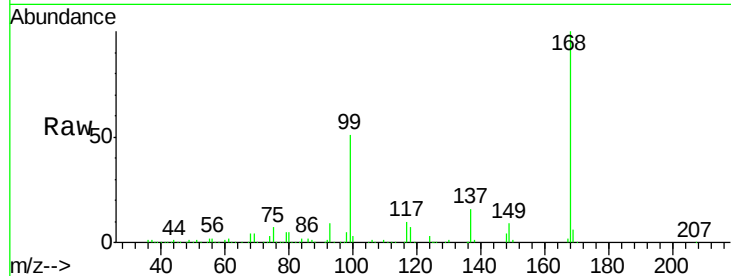




#38
Carbon Tetrachloride
Concen: 3.67 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.11 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

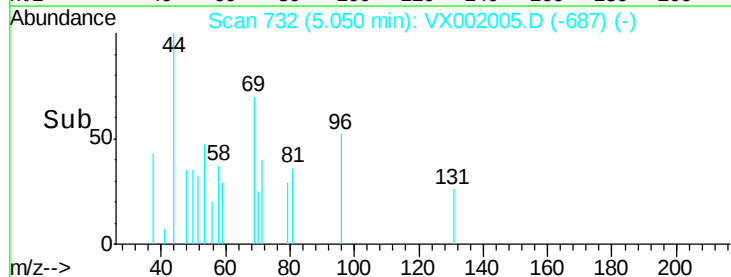
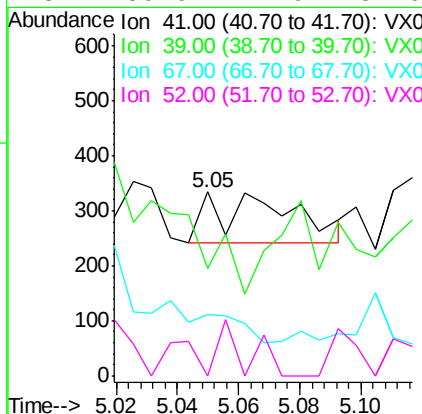
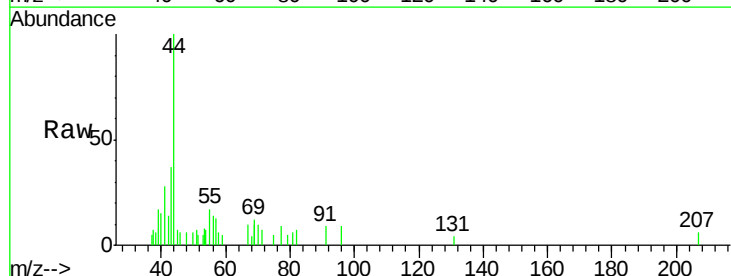
Instrument :
MSVOA_X
ClientSampled :
MW-32

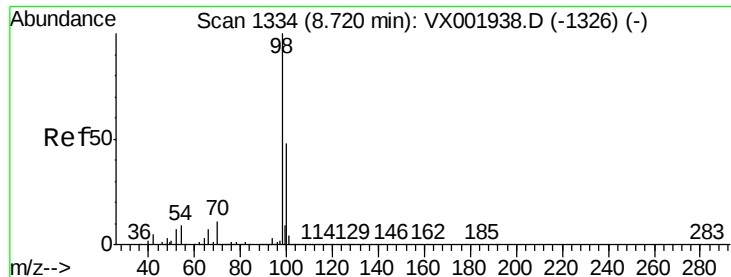
Tgt Ion: 117 Resp: 25853
Ion Ratio Lower Upper
117 100
119 4.5 78.5 117.7#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.05 min Scan# 732
Delta R.T. -0.02 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

Tgt Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
39 0.0 46.0 69.0#
67 0.0 50.6 75.8#
52 39.9 21.9 32.9#





#50

Toluene-d8

Concen: 47.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

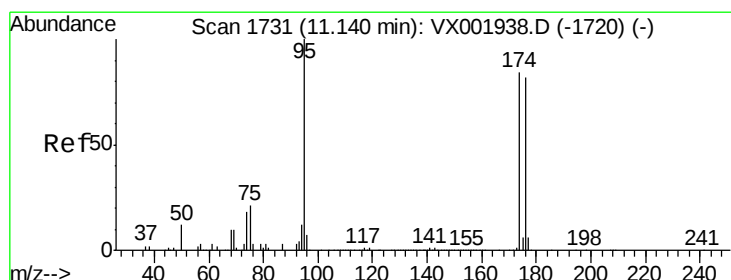
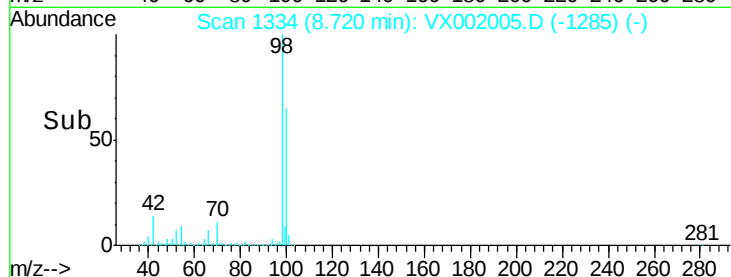
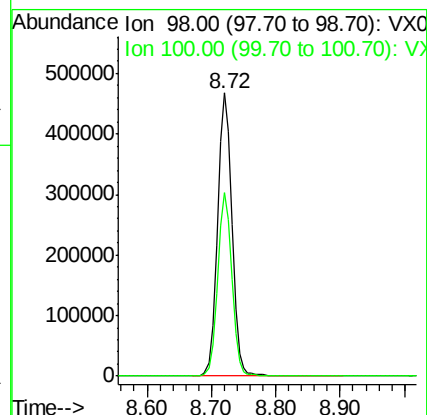
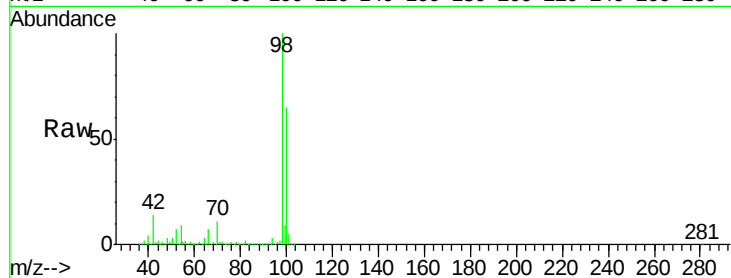
MW-32

Tgt Ion: 98 Resp: 740769

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 43.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

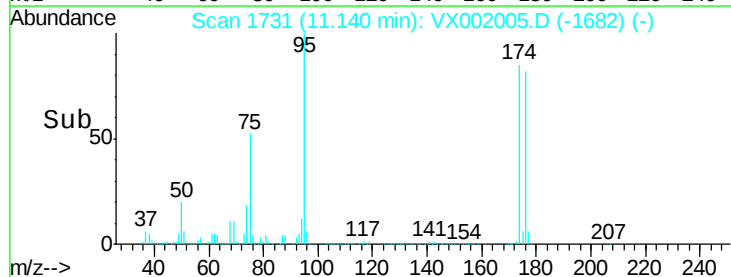
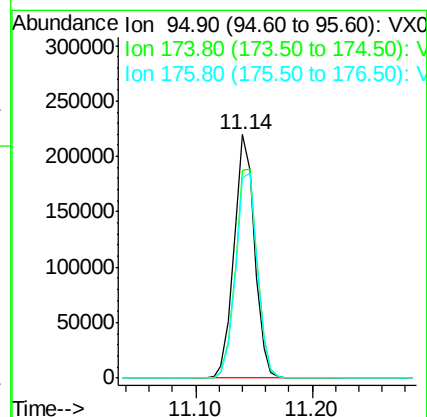
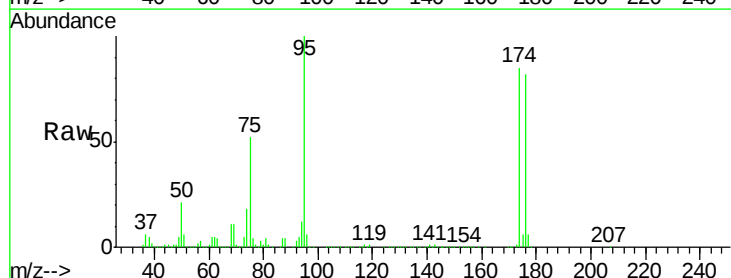
Tgt Ion: 95 Resp: 270314

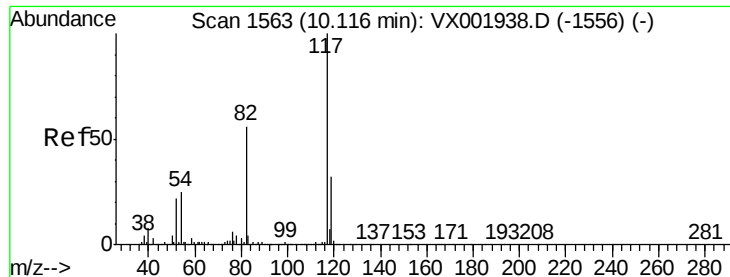
Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.8

176 89.1 0.0 175.6

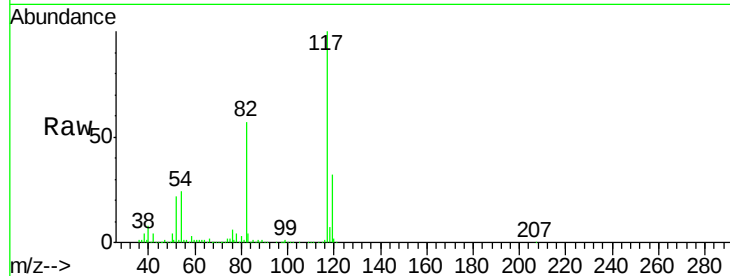




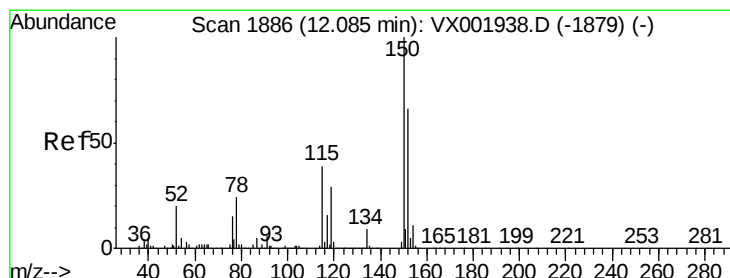
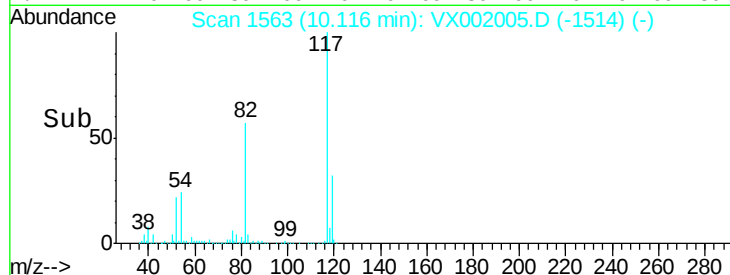
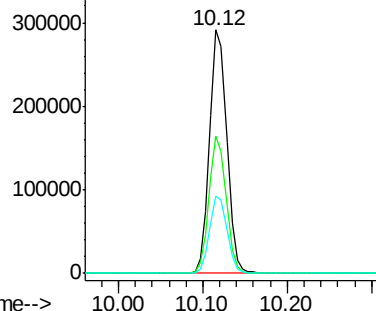
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

Instrument :
MSVOA_X
ClientSampleId :
MW-32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.8	67.2
119	31.9	25.5	38.3

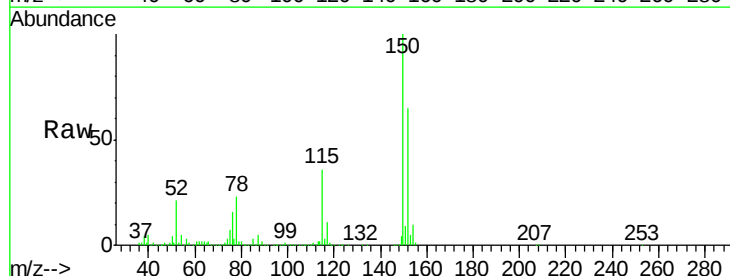


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

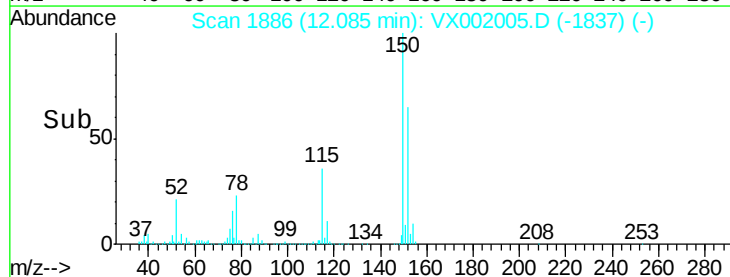
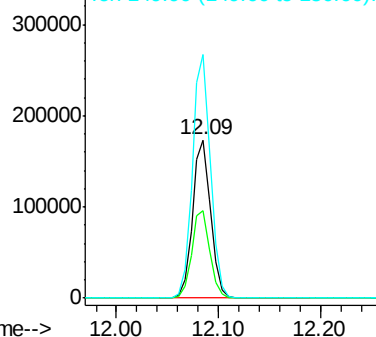


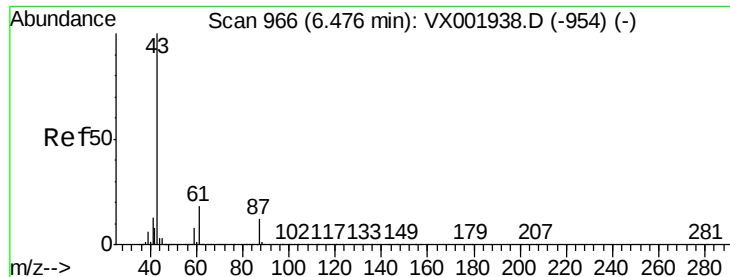
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002005.D
Acq: 26 May 2018 04:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	42.3	126.8
150	154.3	0.0	351.0



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





#74

N-amyI acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

MW-32

Tgt Ion: 43 Resp: 188

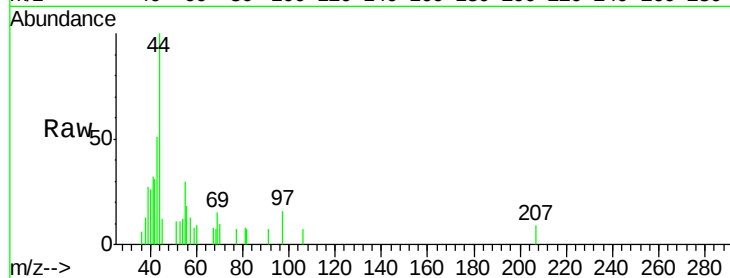
Ion Ratio Lower Upper

43 100

70 203.7 0.1 0.1#

55 63.8 0.1 0.1#

61 0.0 14.5 21.7#

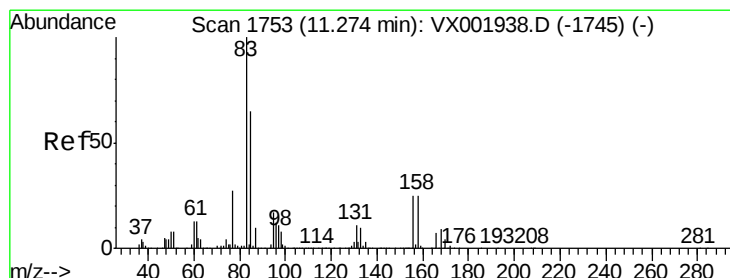
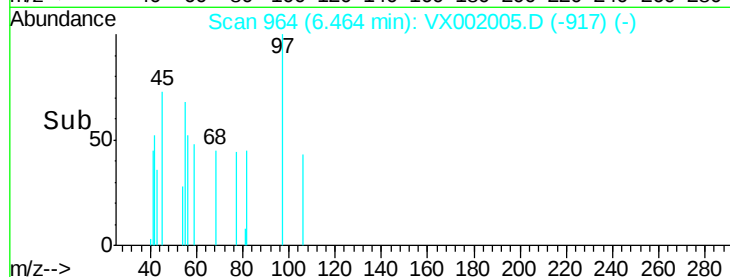
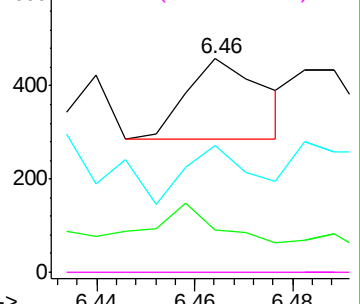


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

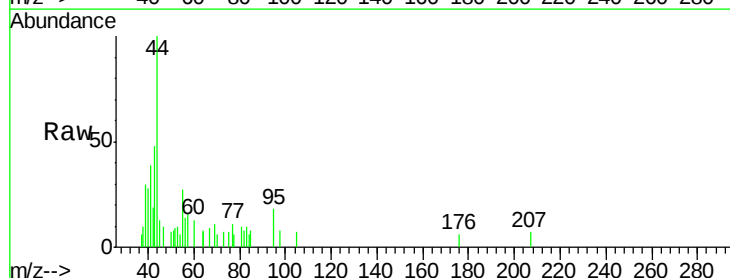
Tgt Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

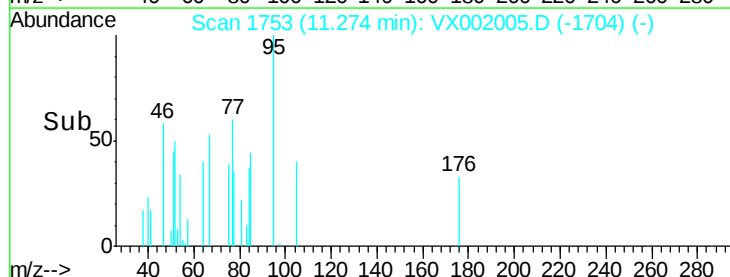
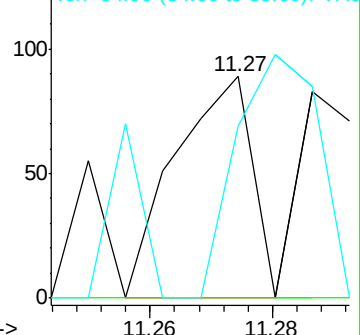
85 33.3 32.6 97.7

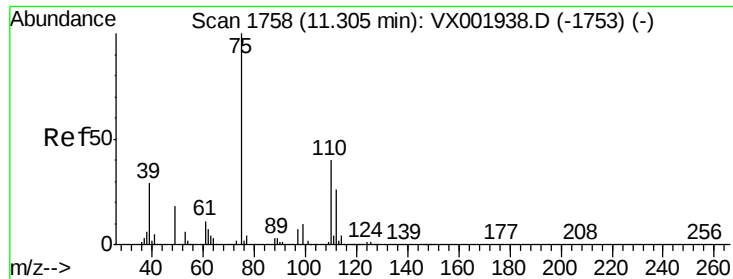


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 27.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

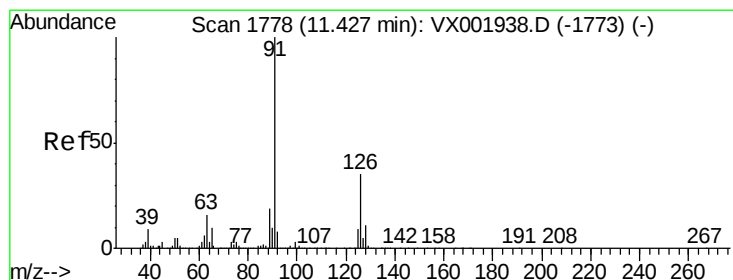
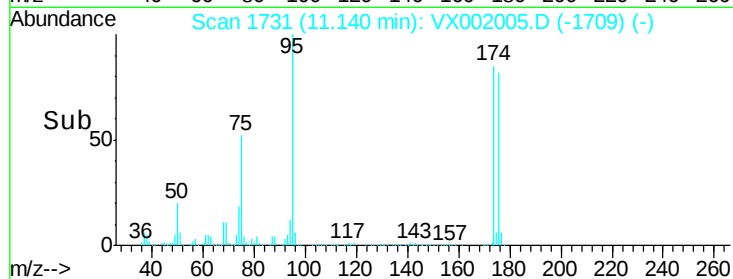
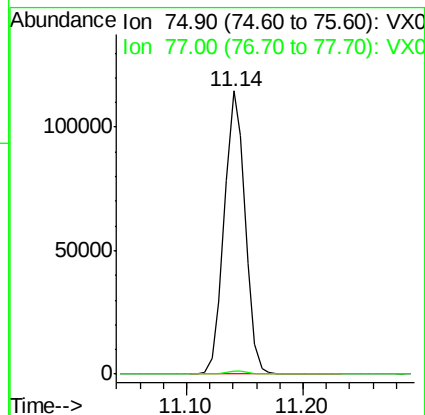
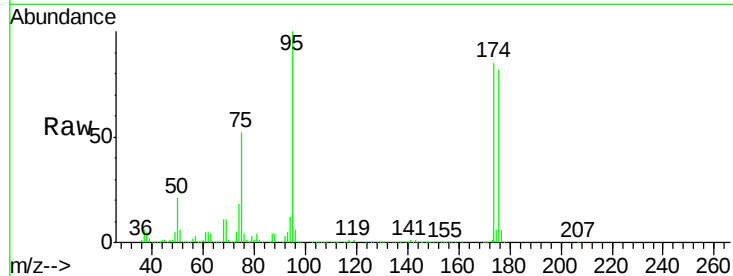
MW-32

Tgt Ion: 75 Resp: 141915

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX002005.D

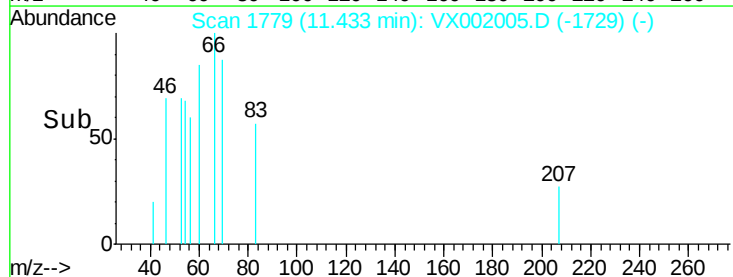
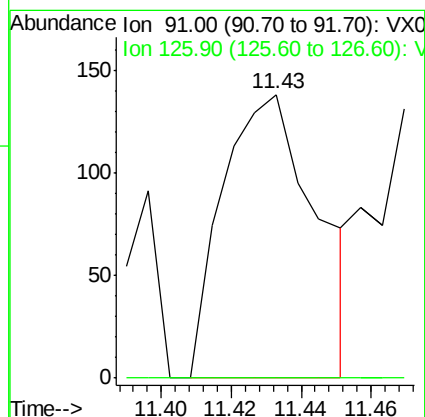
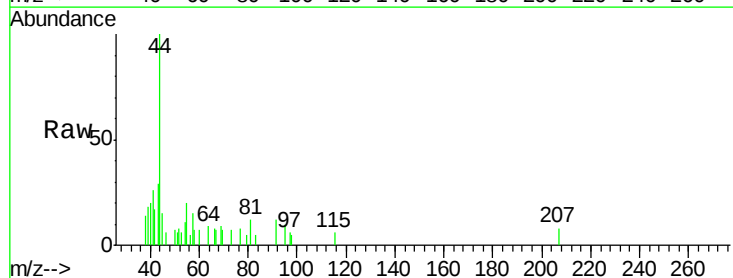
Acq: 26 May 2018 04:35

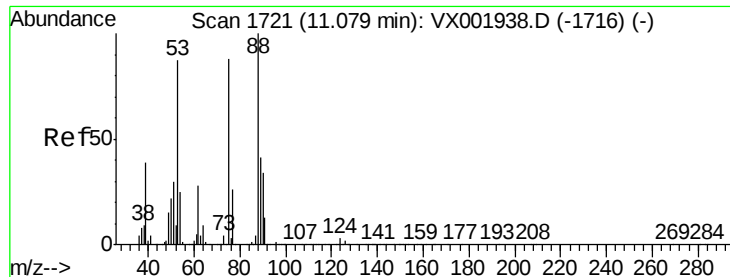
Tgt Ion: 91 Resp: 256

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002005.D

Acq: 26 May 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

MW-32

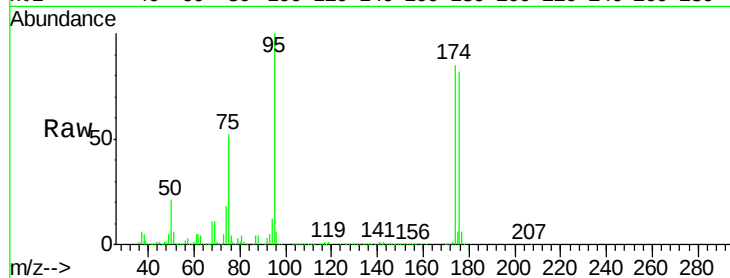
Tgt Ion: 75 Resp: 141915

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 39.4 59.2#



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

