

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052518\
 Data File : VX002011.D
 Acq On : 26 May 2018 07:14
 Operator : JC/MD
 Sample : J3065-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 27 23:19:07 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	277427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	430742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	262654	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
35) Dibromofluoromethane	5.51	113	202533	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.72	98	731637	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	11.14	95	268596	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

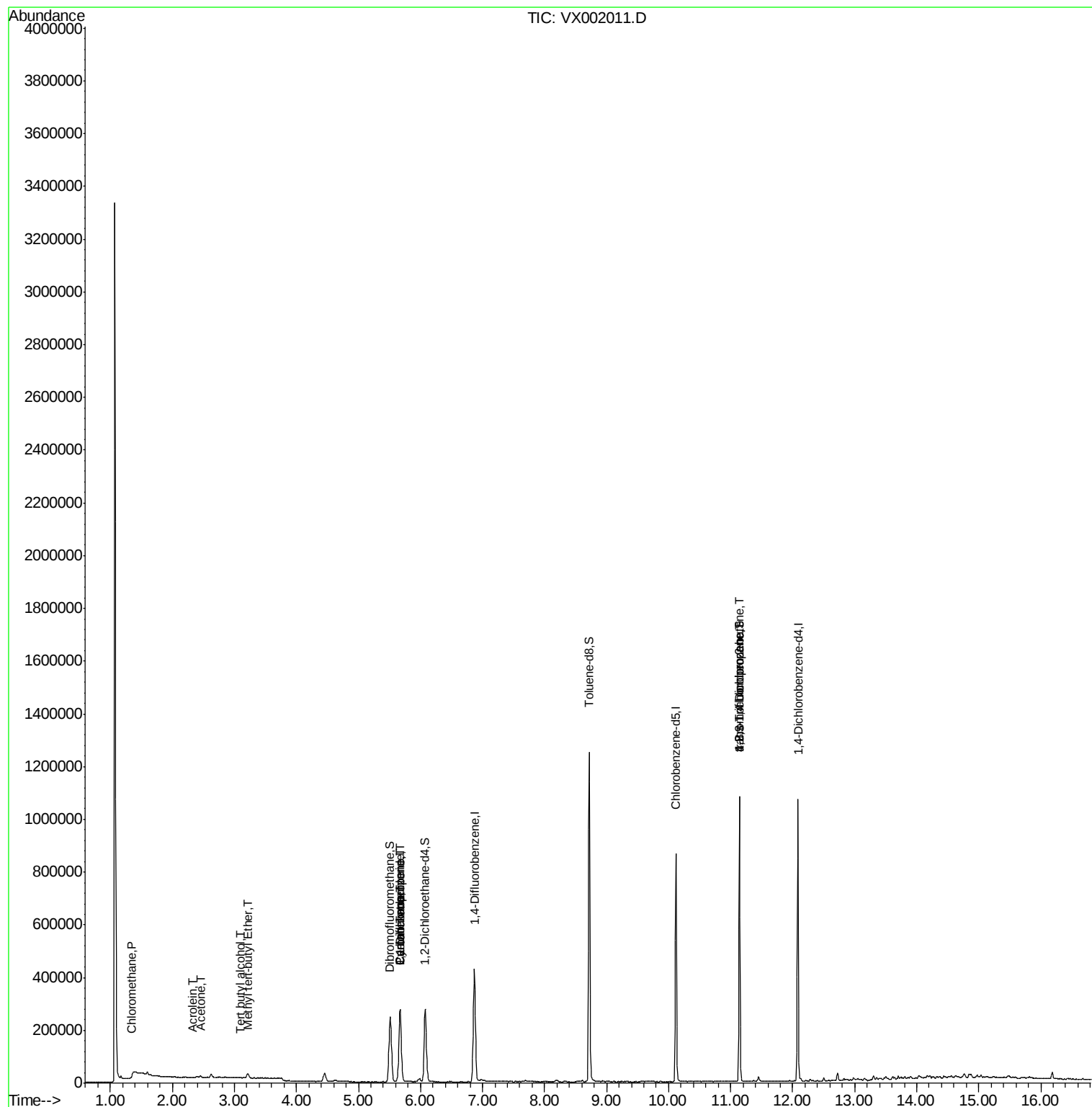
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	118	Below Cal	#	41
3) Chloromethane	1.33	50	986	0.23	ug/l	# 81
5) Bromomethane	1.66	94	600	Below Cal		90
11) Tert butyl alcohol	3.09	59	722	0.74	ug/l	# 71
13) Acrolein	2.32	56	162	0.38	ug/l	# 48
16) Acetone	2.45	43	7967	4.16	ug/l	91
18) Methyl Acetate	2.78	43	863	Below Cal	#	74
19) Methyl tert-butyl Ether	3.21	73	18143	1.49	ug/l	96
20) Methylene Chloride	2.86	84	705	Below Cal	#	93
21) trans-1,2-Dichloroethene	3.15	96	196	Below Cal	#	15
28) Bromochloromethane	4.84	49	23	Below Cal	#	14
31) Cyclohexane	5.67	56	5588	0.82	ug/l	# 12
36) 1,1-Dichloropropene	5.67	75	19958	3.33	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24938	3.57	ug/l	# 14
41) Methacrylonitrile	5.06	41	214	Below Cal	#	71
74) N-amyl acetate	6.48	43	189	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.29	83	265	Below Cal	#	64
76) 1,2,3-Trichloropropane	11.14	75	139112	27.58	ug/l	# 33
79) 2-Chlorotoluene	11.52	91	199	Below Cal		88
81) trans-1,4-Dichloro-2-buten	11.14	75	139112	66.28	ug/l	# 10

(#) = 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# 834

Delta R.T. -0.00 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

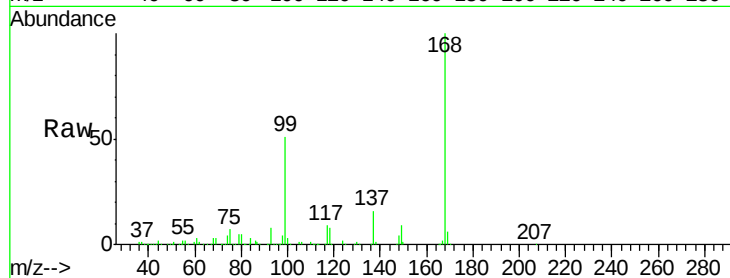
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 277427

Ion Ratio Lower Upper

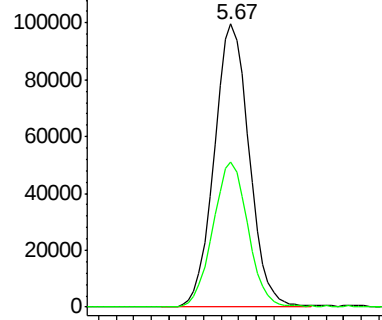
168 100

99 51.2 41.0 61.4

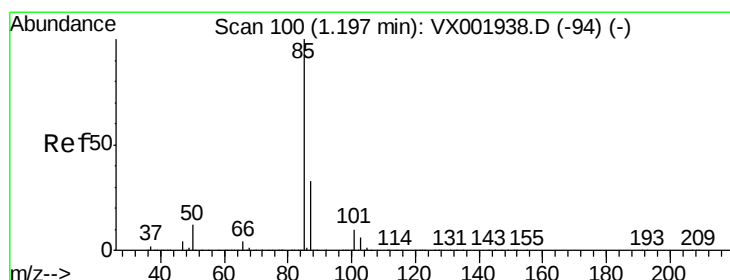
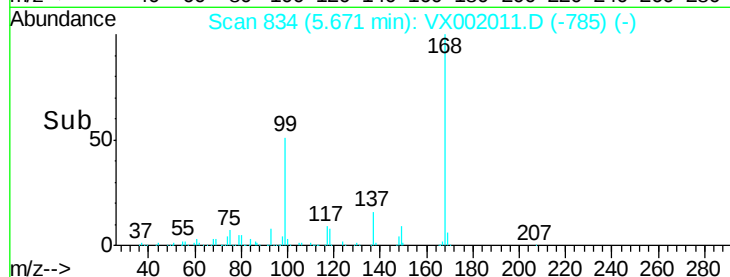


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002011.D

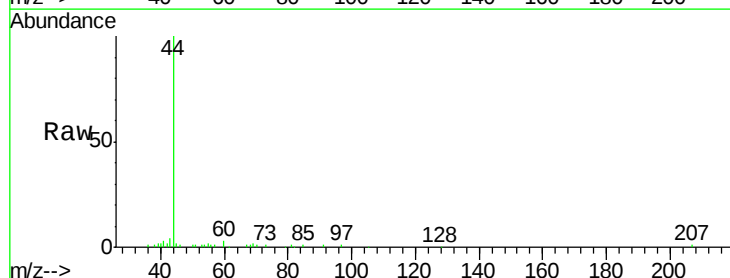
Acq: 26 May 2018 07:14

Tgt Ion: 85 Resp: 118

Ion Ratio Lower Upper

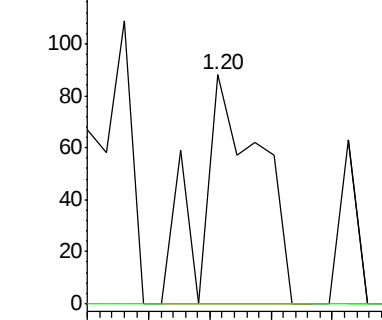
85 100

87 0.0 16.7 50.0#

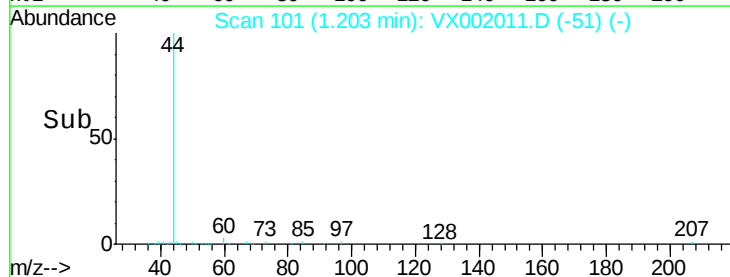


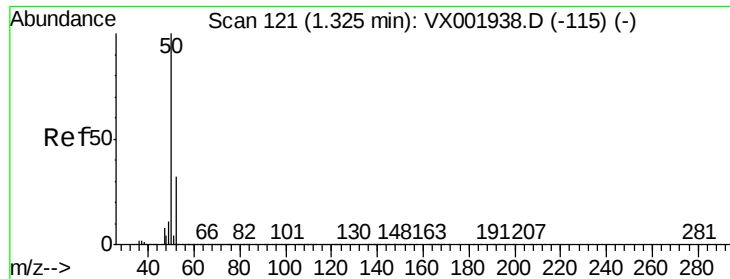
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

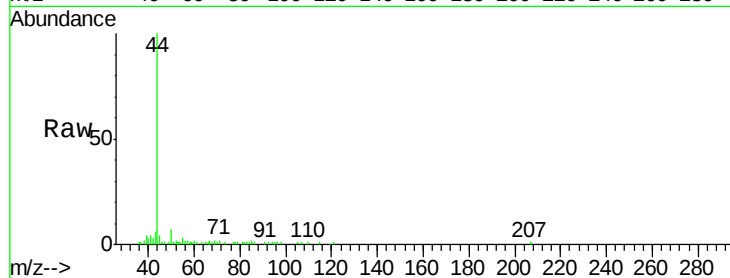
ClientSampled :

Tot Ion: 50 Resp: 986

Ion Ratio Lower Upper

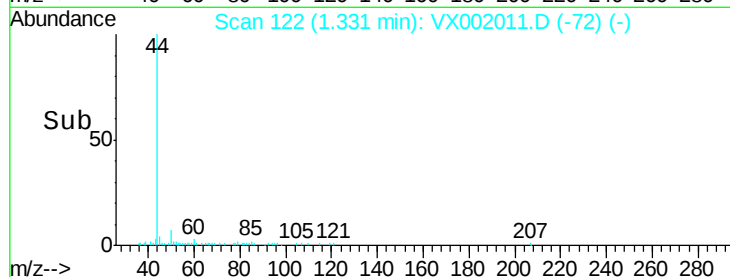
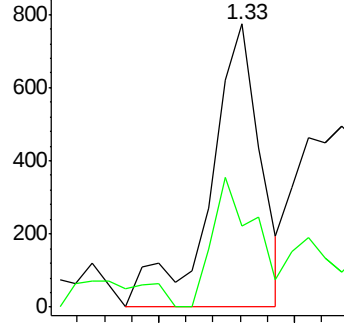
50 100

52 22.0 26.0 39.0#

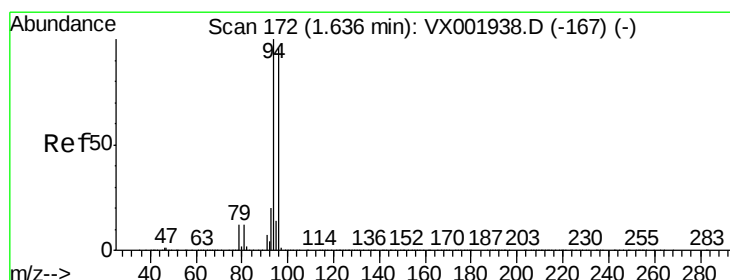


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002011.D

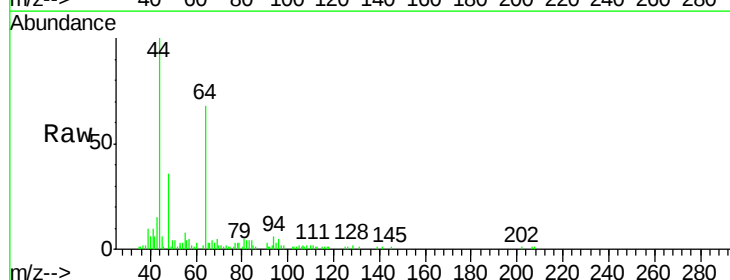
Acq: 26 May 2018 07:14

Tgt Ion: 94 Resp: 600

Ion Ratio Lower Upper

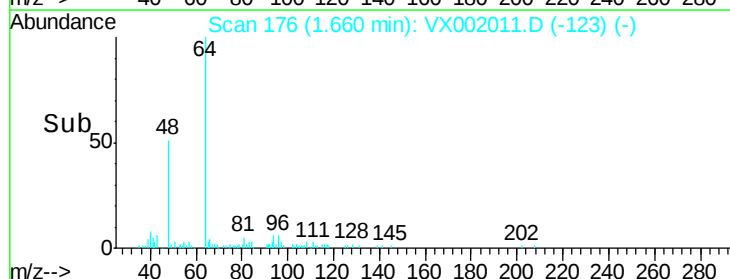
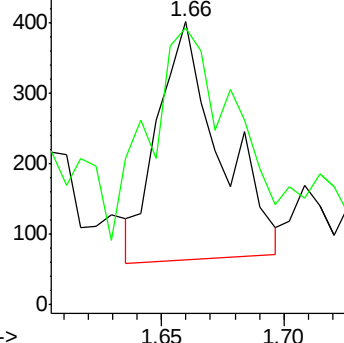
94 100

96 85.6 75.9 113.9

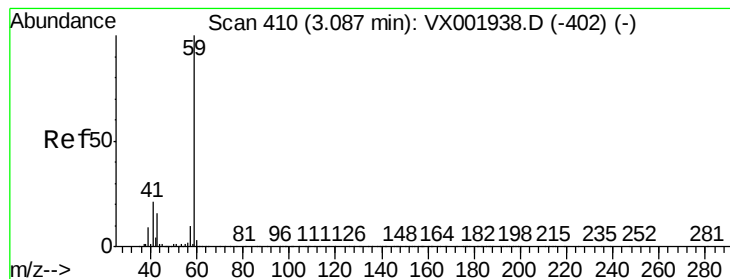


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->

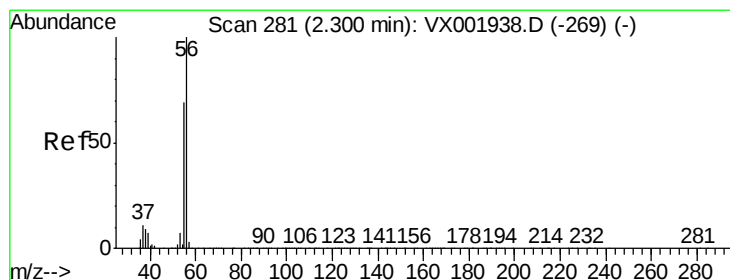
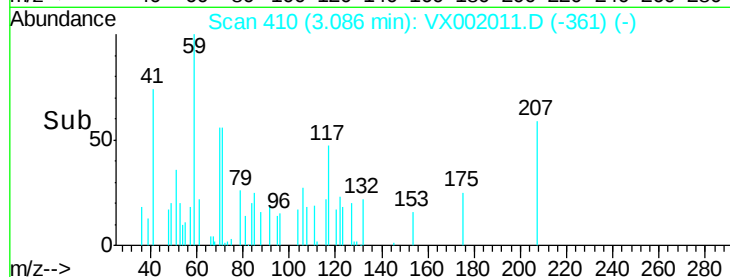
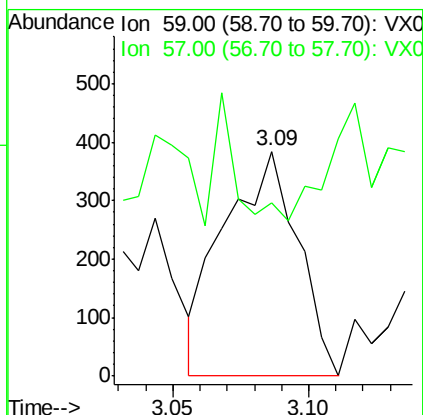
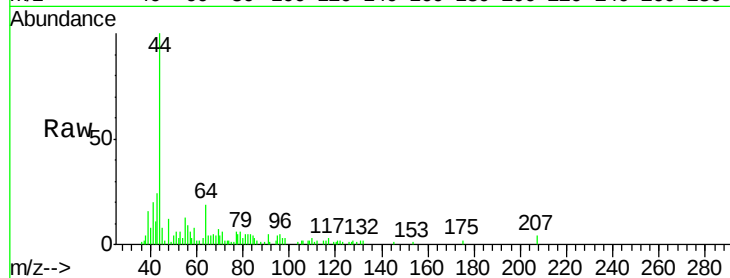


#11

Tert butvl alcohol
 Concen: 0.74 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VX002011.D
 Acq: 26 May 2018 07:14

Instrument :
 MSVOA_X
 ClientSampled :

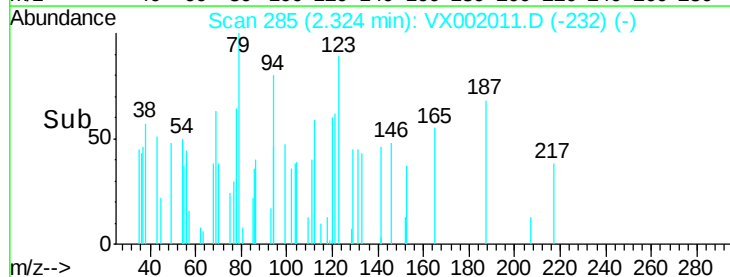
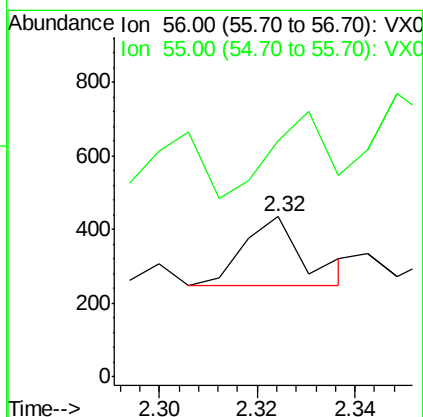
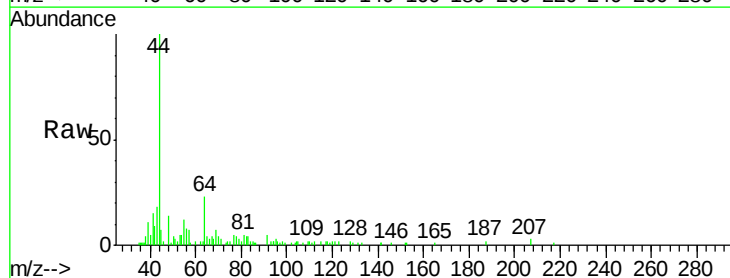
Tot Ion: 59 Resp: 722
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

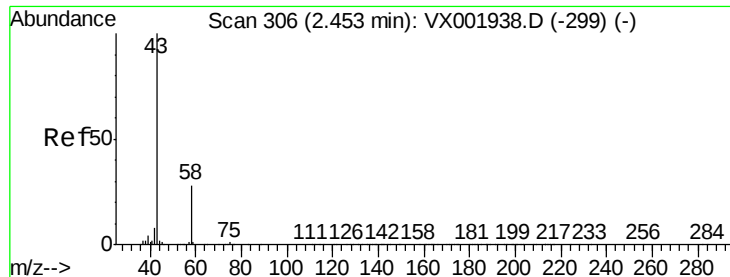


#13

Acrolein
 Concen: 0.38 ug/l
 RT: 2.32 min Scan# 285
 Delta R.T. 0.02 min
 Lab File: VX002011.D
 Acq: 26 May 2018 07:14

Tgt Ion: 56 Resp: 162
 Ion Ratio Lower Upper
 56 100
 55 114.2 56.8 85.2#





#16

Acetone

Concen: 4.16 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

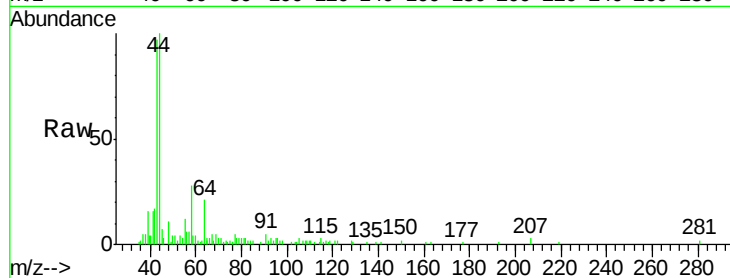
ClientSampleId :

Tot Ion: 43 Resp: 7967

Ion Ratio Lower Upper

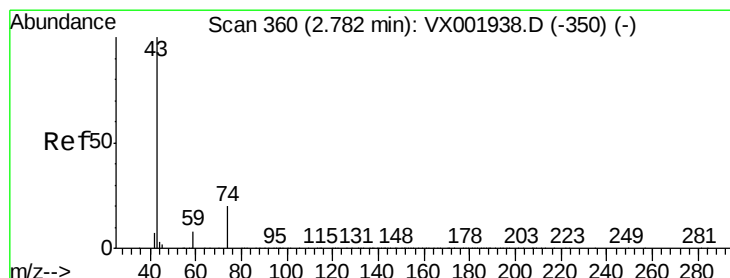
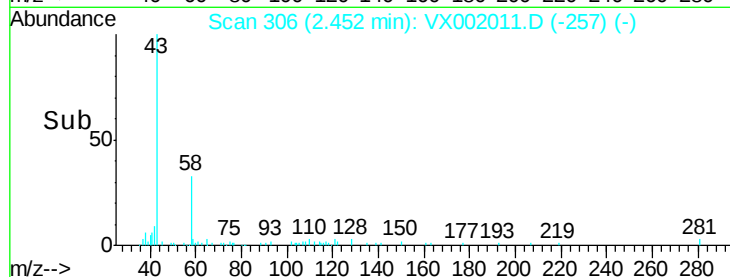
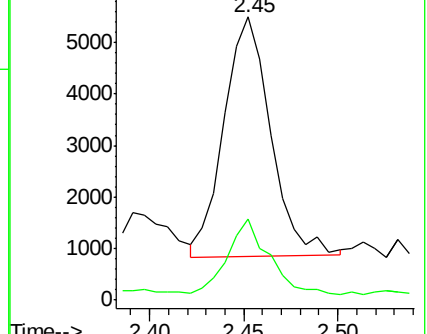
43 100

58 32.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002011.D

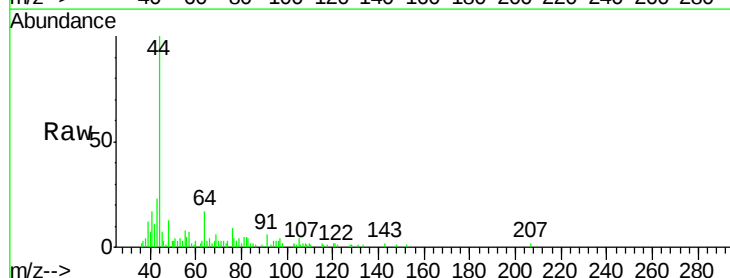
Acq: 26 May 2018 07:14

Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

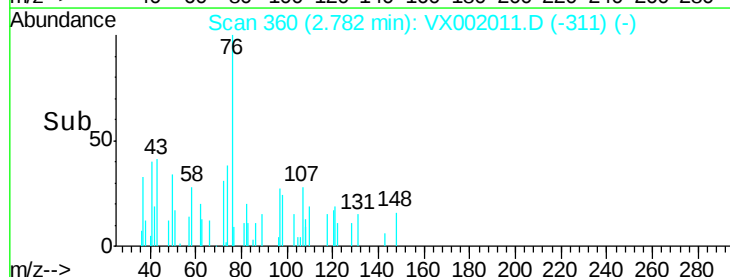
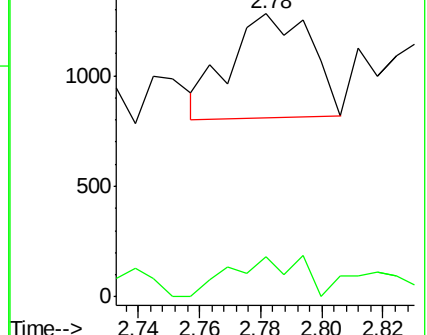
43 100

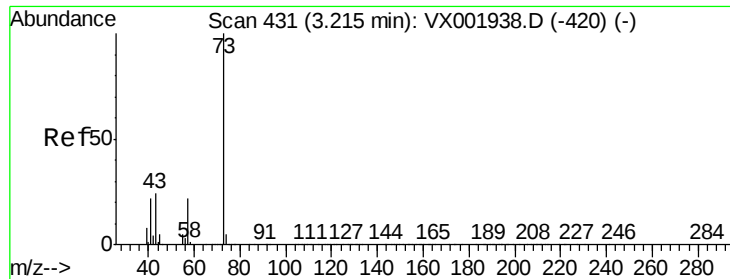
74 33.3 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

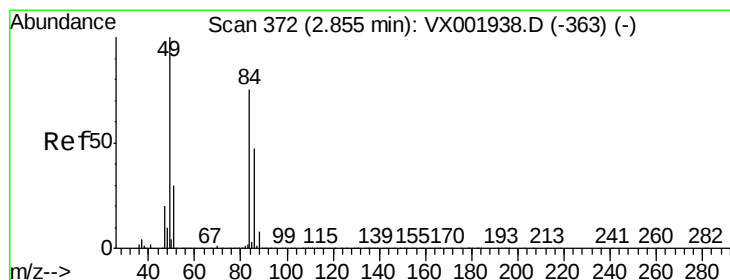
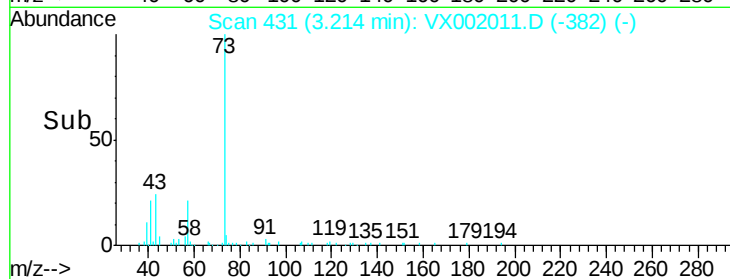
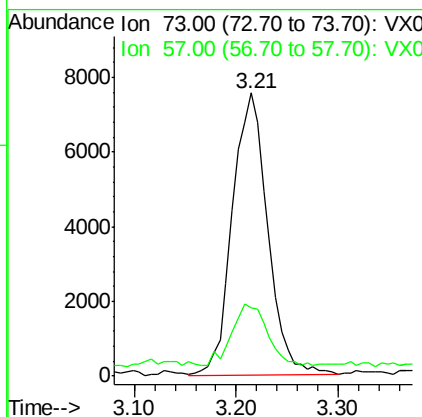
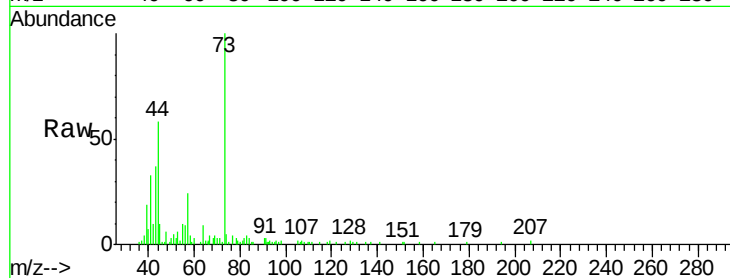




#19
Methvl tert-butvl Ether
Concen: 1.49 ua/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

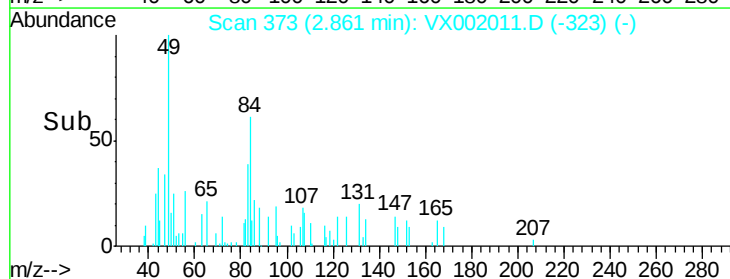
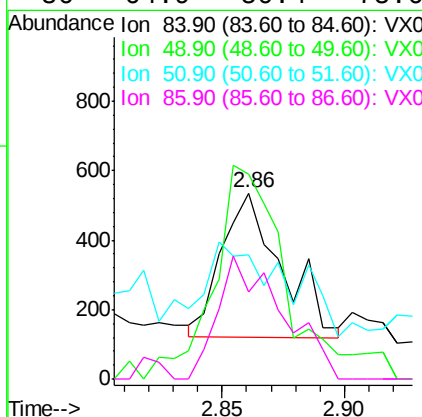
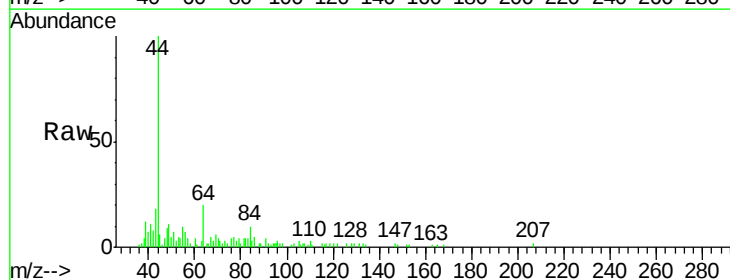
Instrument :
MSVOA_X
ClientSampleId :

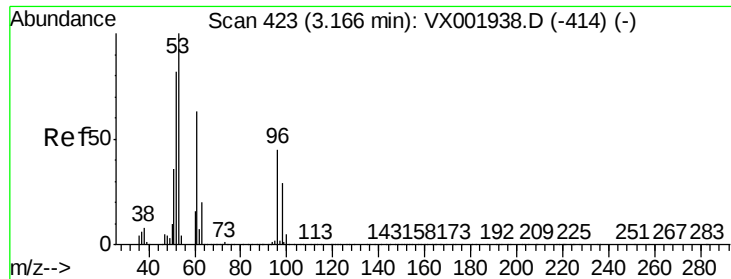
Tot Ion: 73 Resp: 18143
Ion Ratio Lower Upper
73 100
57 19.9 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

Tgt Ion: 84 Resp: 705
Ion Ratio Lower Upper
84 100
49 134.9 107.2 160.8
51 61.5 32.4 48.6#
86 64.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.02 min

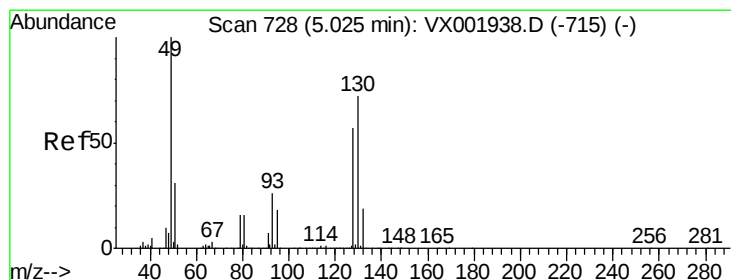
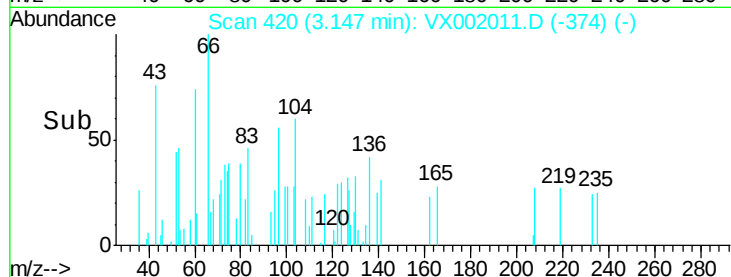
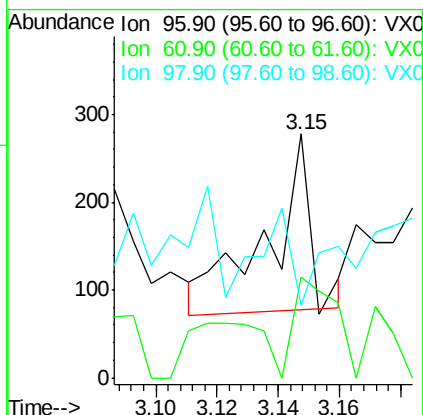
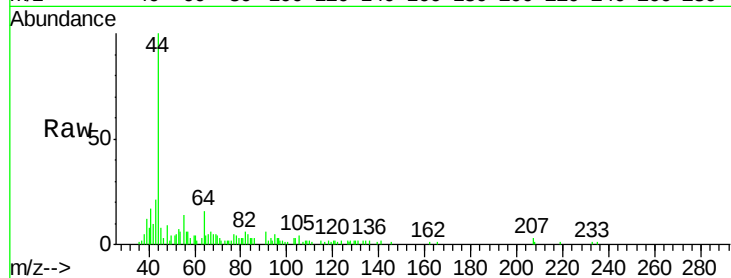
Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 196

Ion	Ratio	Lower	Upper
96	100		
61	36.1	113.3	169.9#
98	0.0	51.7	77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 4.84 min Scan# 697

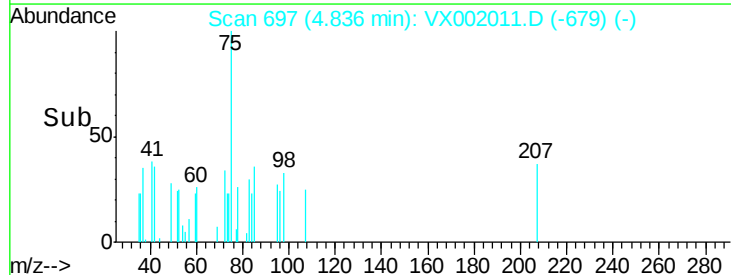
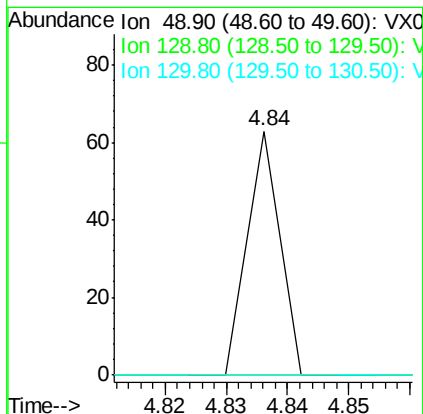
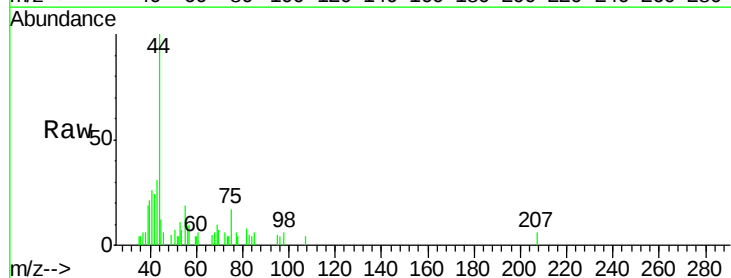
Delta R.T. -0.19 min

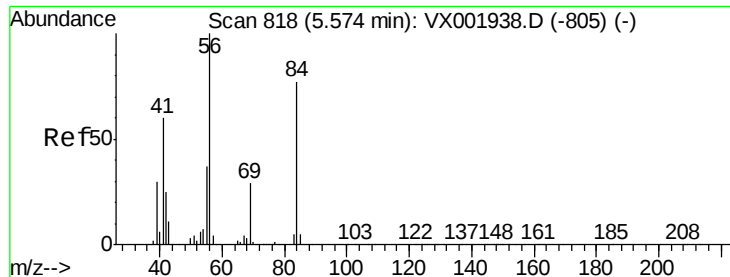
Lab File: VX002011.D

Acq: 26 May 2018 07:14

Tgt Ion: 49 Resp: 23

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#

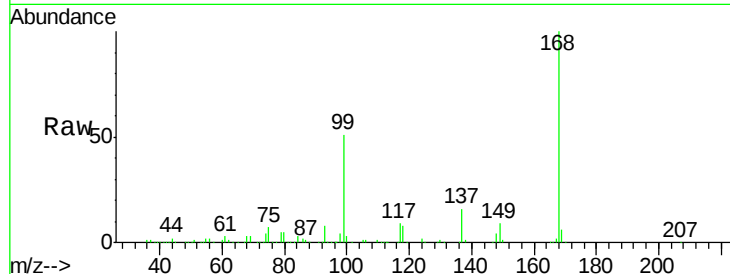




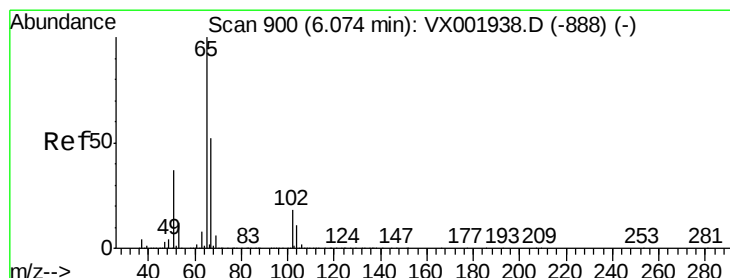
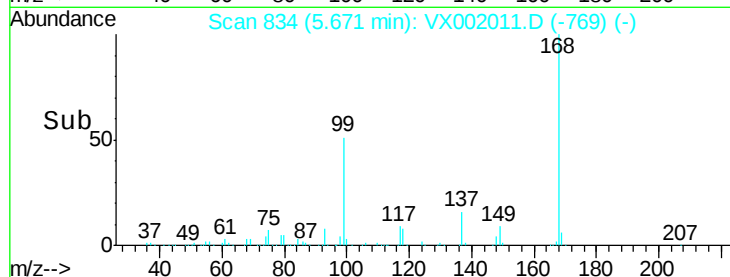
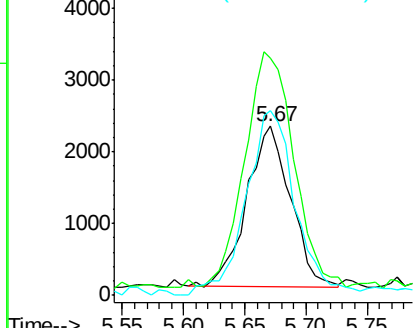
#31
Cyclohexane
Concen: 0.82 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 5588
Ion Ratio Lower Upper
56 100
69 138.3 23.1 34.7#
84 115.8 62.0 93.0#

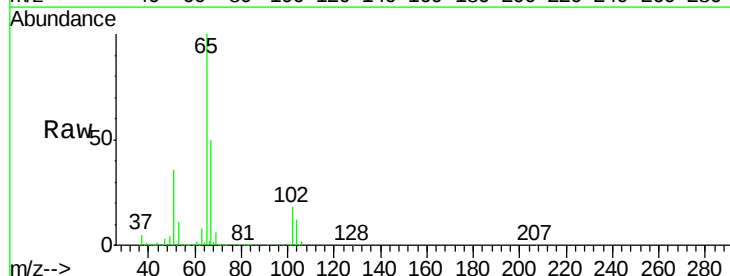


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

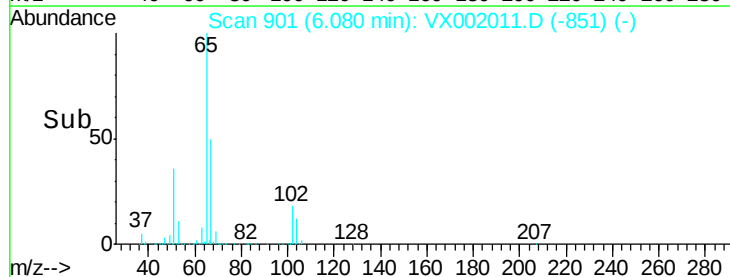
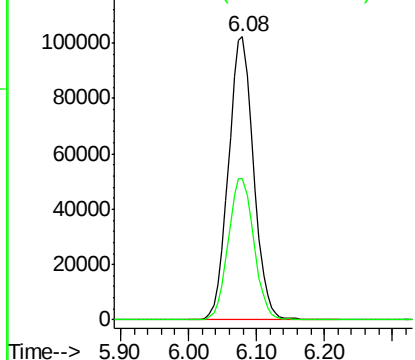


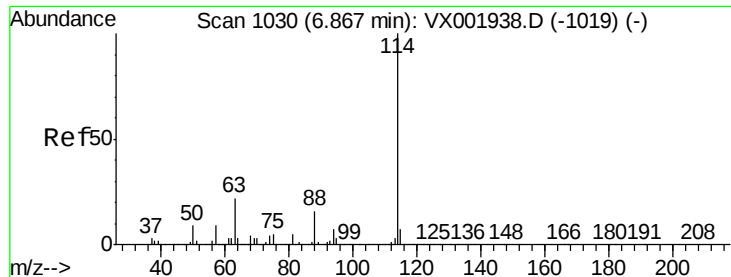
#33
1,2-Dichloroethane-d4
Concen: 52.97 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

Tgt Ion: 65 Resp: 262654
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0



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: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

ClientSampleId :

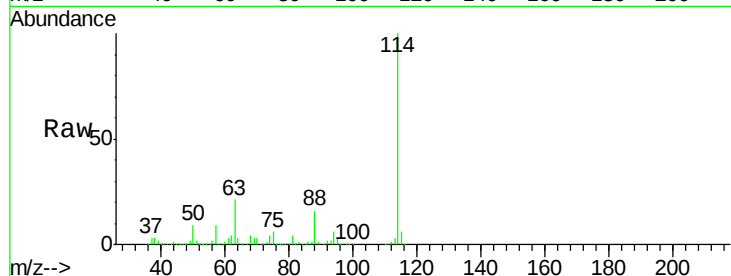
Tot Ion:114 Resp: 430742

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.3 0.0 31.6



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

250000

200000

150000

100000

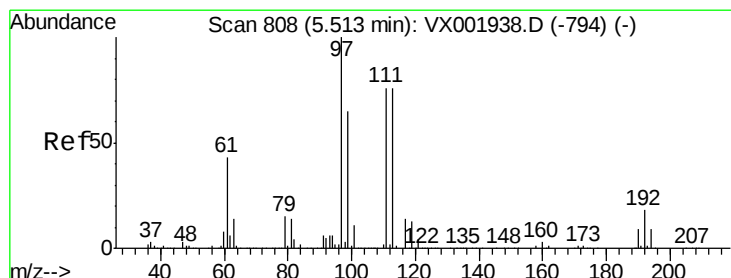
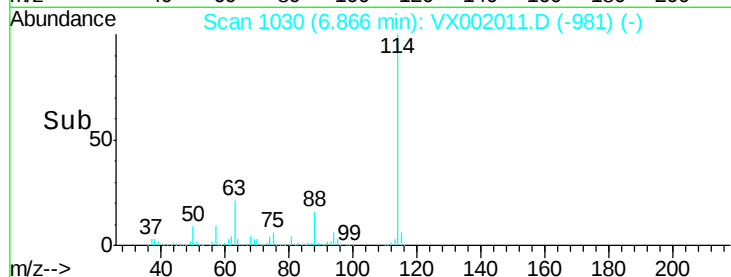
50000

0

6.87

6.70 6.80 6.90 7.00 7.10

Time-->



#35

Dibromofluoromethane

Concen: 47.02 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

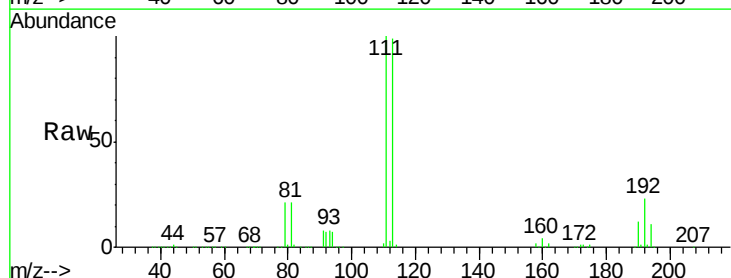
Tgt Ion:113 Resp: 202533

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 23.2 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

100000

80000

60000

40000

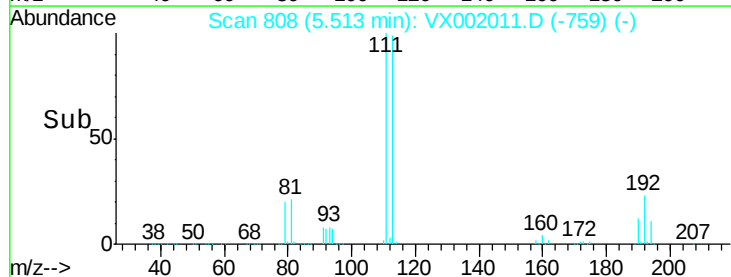
20000

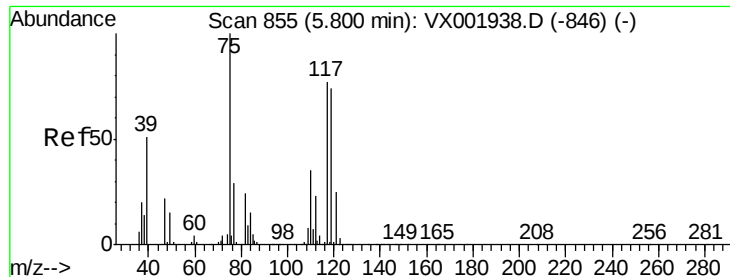
0

5.51

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 3.33 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :
MSVOA_X
ClientSampleId :

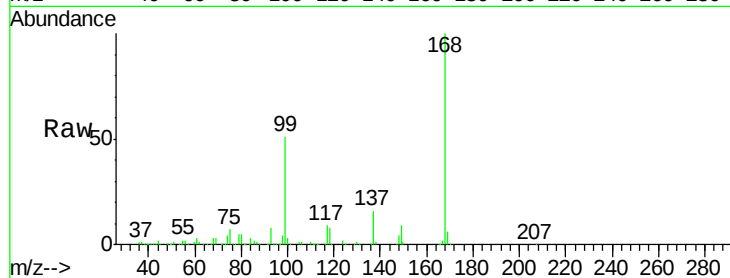
Tot Ion: 75 Resp: 19958

Ion Ratio Lower Upper

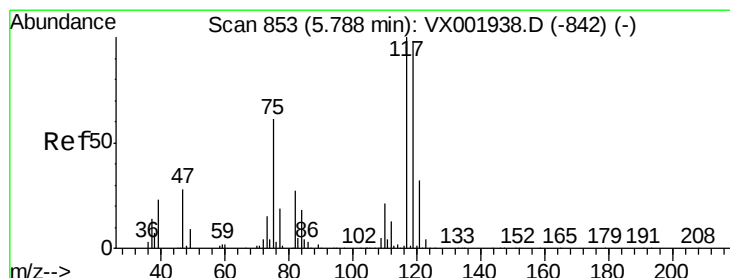
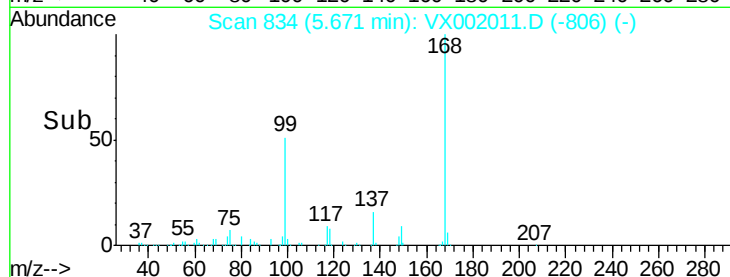
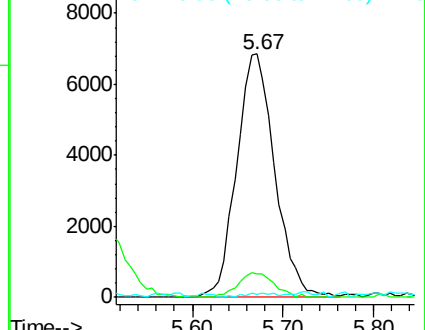
75 100

110 9.5 17.4 52.2#

77 1.4 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: 3.57 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

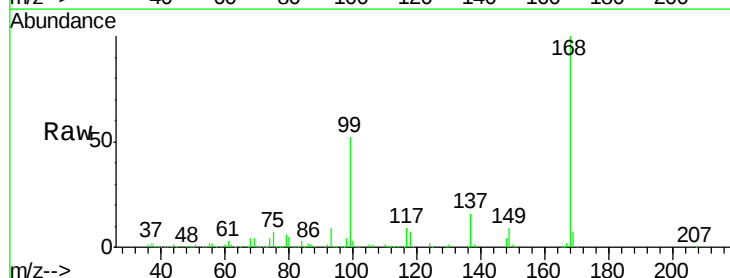
Tgt Ion: 117 Resp: 24938

Ion Ratio Lower Upper

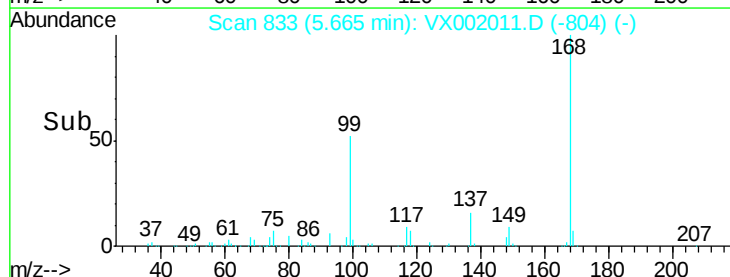
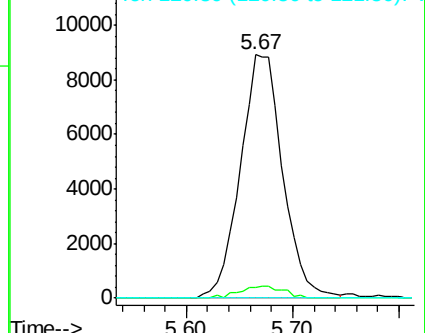
117 100

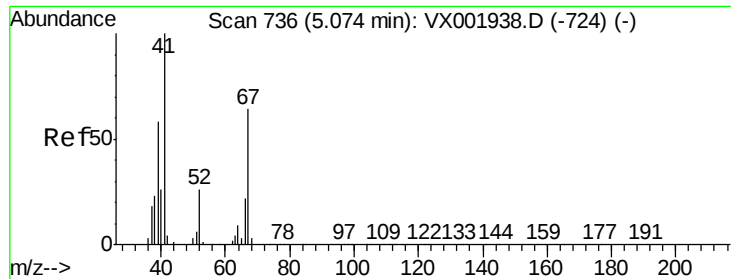
119 4.1 78.5 117.7#

121 0.0 25.5 38.3#



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

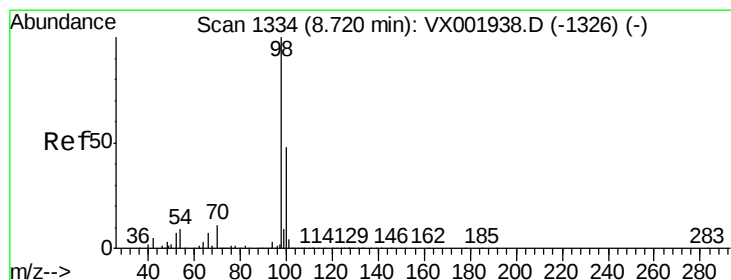
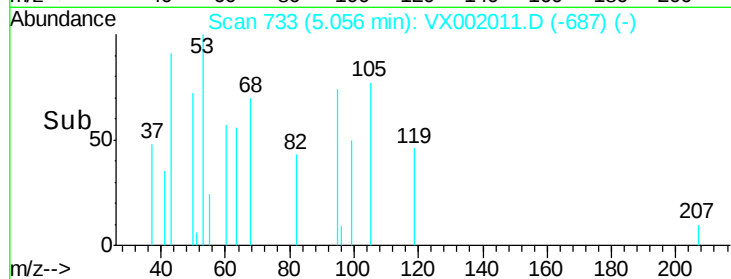
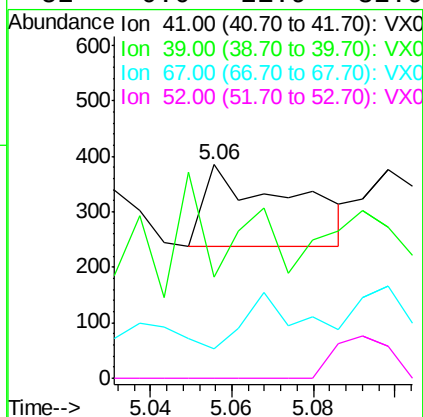
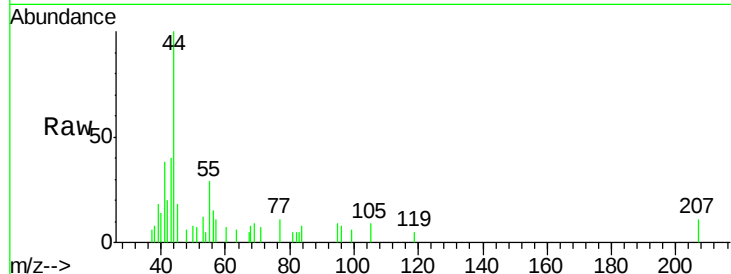




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

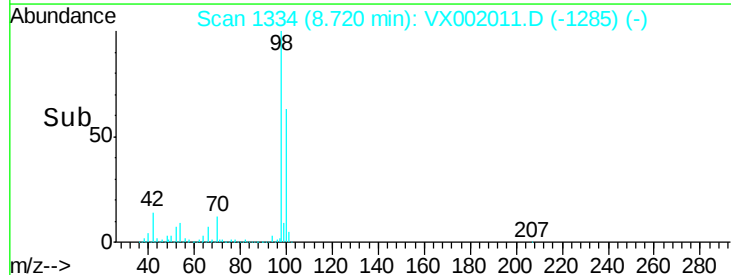
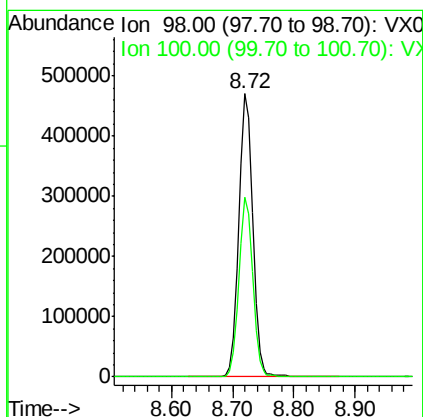
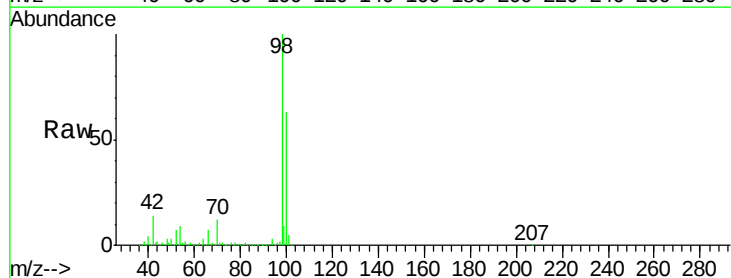
Instrument :
MSVOA_X
ClientSampled :

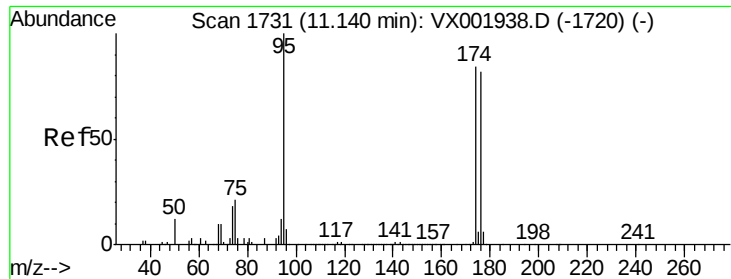
Tot Ion:	41	Resp:	214
Ion	Ratio	Lower	Upper
41	100		
39	65.0	46.0	69.0
67	91.6	50.6	75.8#
52	0.0	21.9	32.9#



#50
Toluene-d8
Concen: 46.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

Tgt Ion:	98	Resp:	731637
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 44.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

ClientSampled :

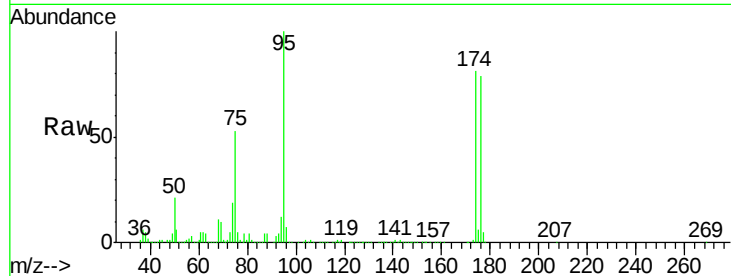
Tot Ion: 95 Resp: 268596

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.8

176 88.1 0.0 175.6

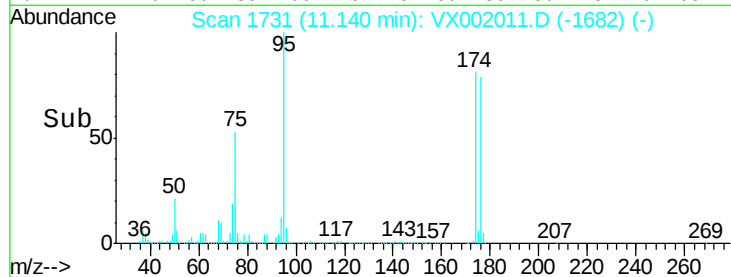


Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)

Time-->

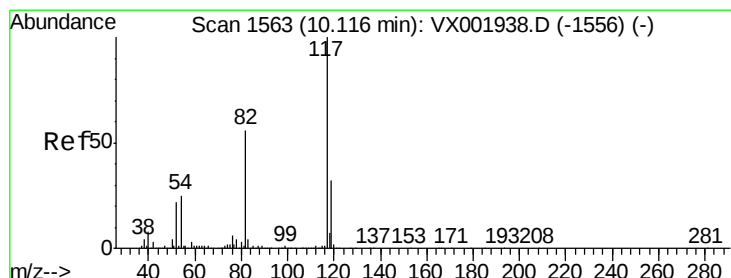


Abundance Ion 94.90 (94.60 to 95.60): VX002011.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002011.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002011.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

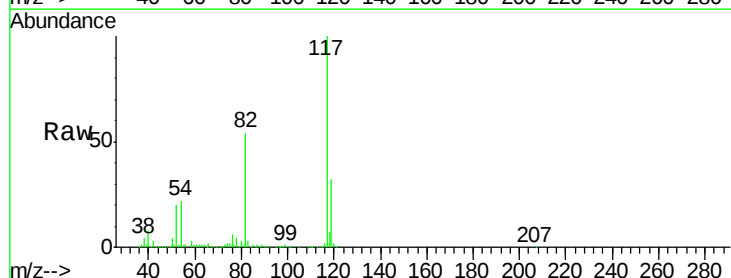
Tgt Ion: 117 Resp: 392912

Ion Ratio Lower Upper

117 100

82 53.8 44.8 67.2

119 31.9 25.5 38.3

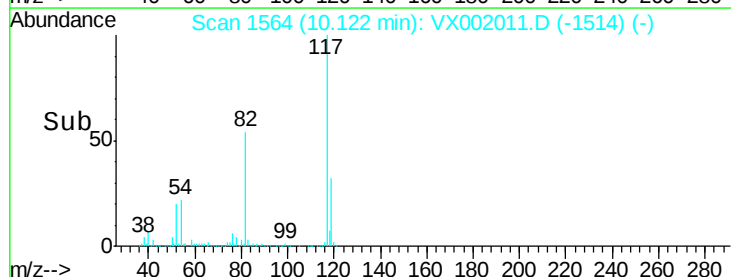


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)

Time-->

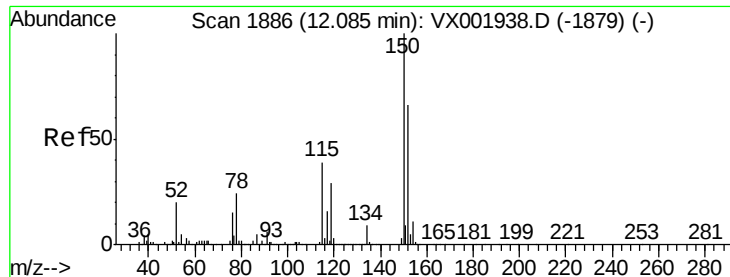


Abundance Ion 116.90 (116.60 to 117.60): VX002011.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002011.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002011.D (-1514) (-)

Time-->

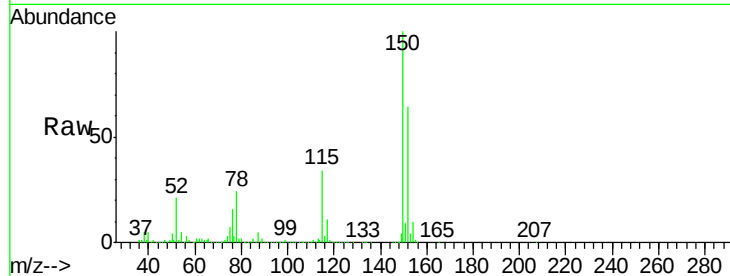


#72

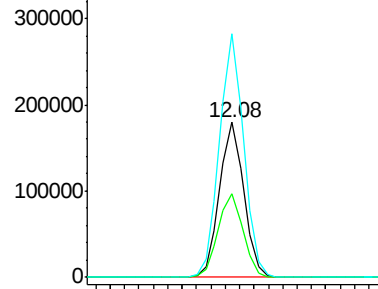
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

Instrument :
MSVOA_X
ClientSampleId :

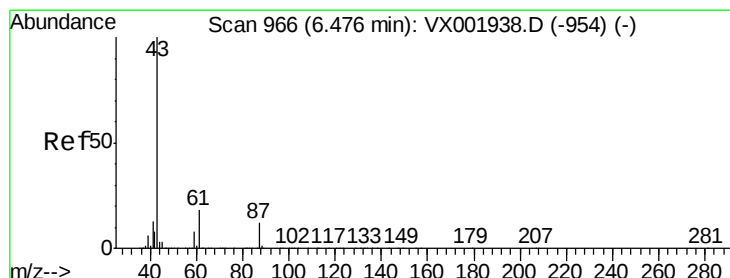
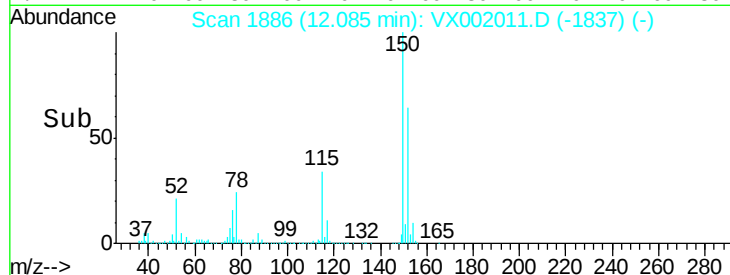
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	42.3	126.8
150	156.2	0.0	351.0



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



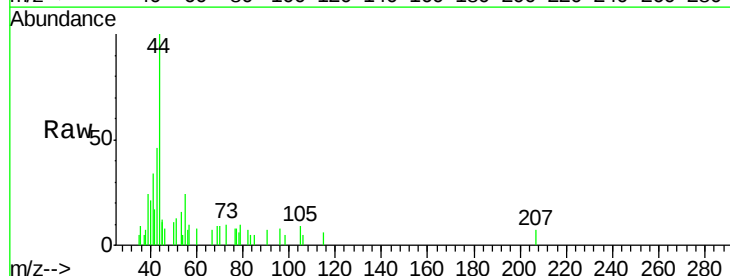
Time-->



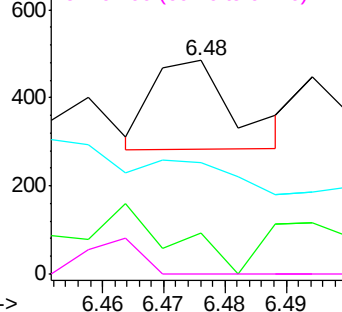
#74

N-ethyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX002011.D
Acq: 26 May 2018 07:14

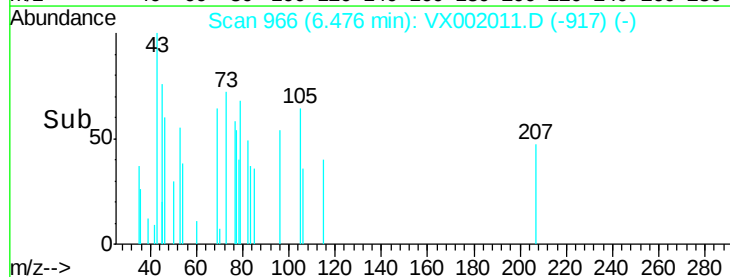
Tgt Ion	Ratio	Lower	Upper
43	100		
70	61.4	0.1	0.1#
55	0.0	0.1	0.1#
61	0.0	14.5	21.7#

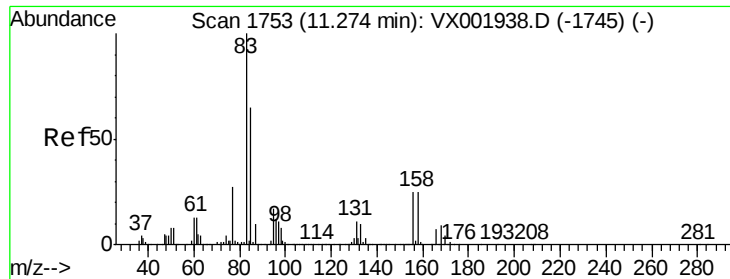


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

ClientSampleId :

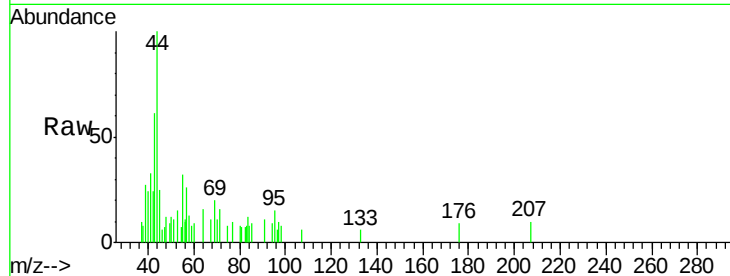
Tot Ion: 83 Resp: 265

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

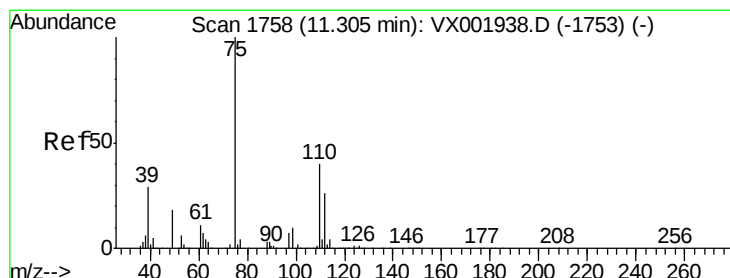
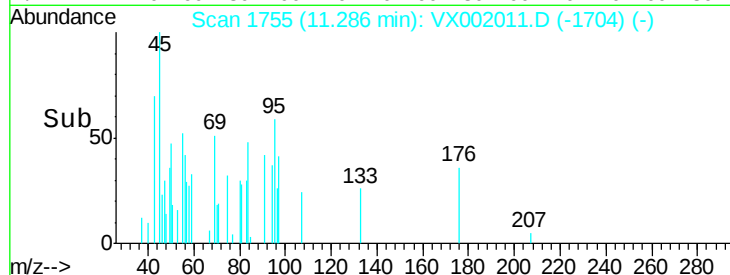
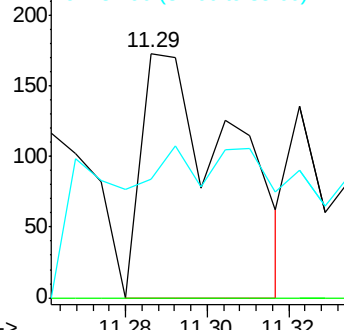
85 35.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

Lab File: VX002011.D

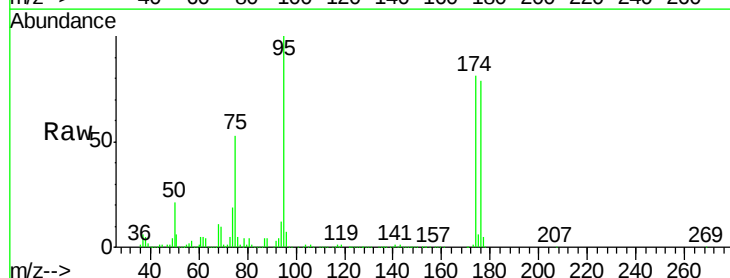
Acq: 26 May 2018 07:14

Tgt Ion: 75 Resp: 139112

Ion Ratio Lower Upper

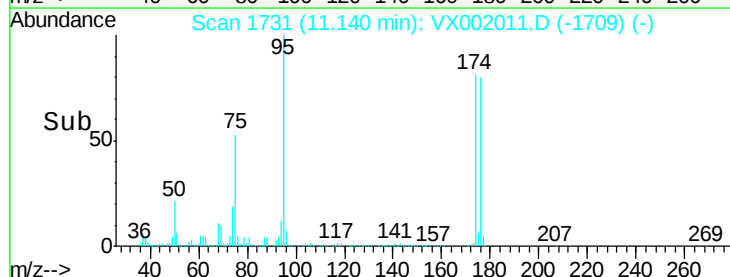
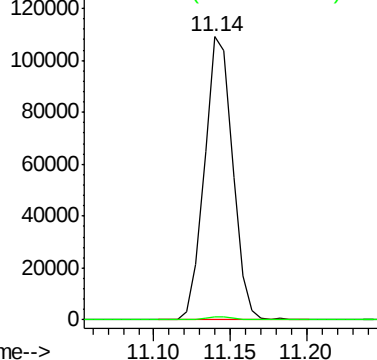
75 100

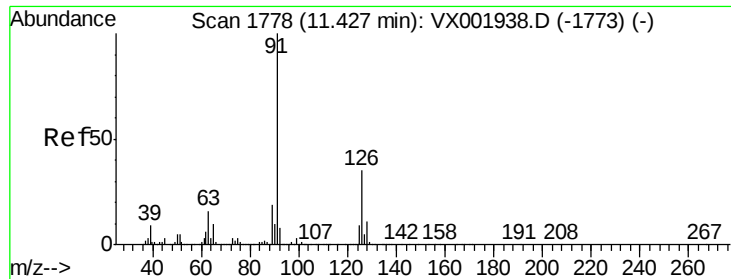
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1794

Delta R.T. 0.10 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Instrument :

MSVOA_X

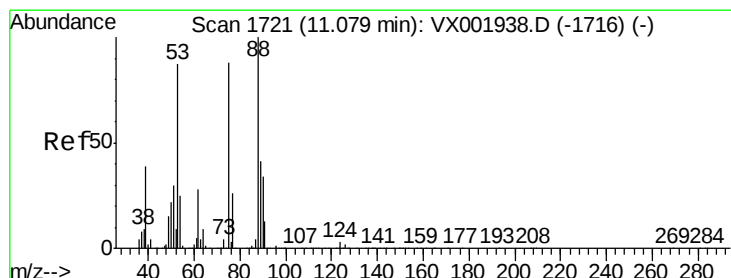
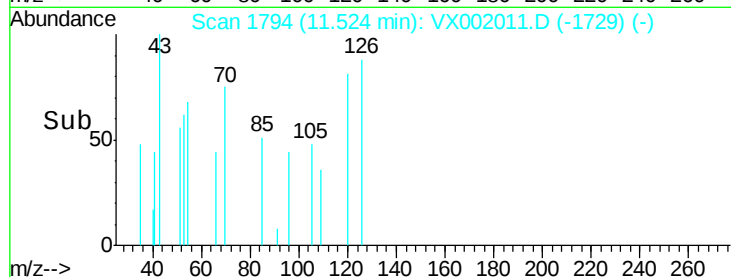
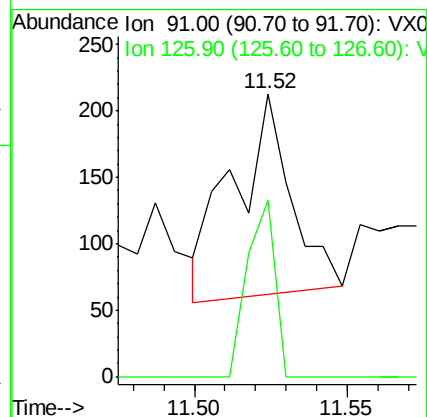
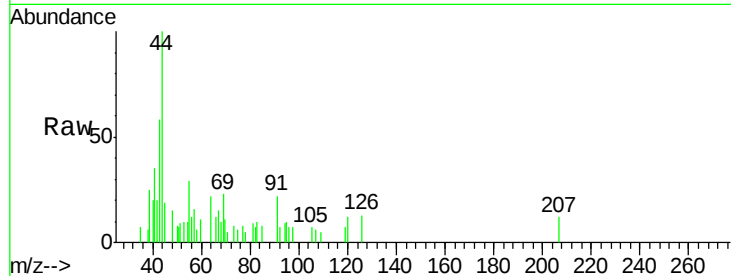
ClientSampleId :

Tot Ion: 91 Resp: 199

Ion Ratio Lower Upper

91 100

126 41.7 17.4 52.2



#81

trans-1,4-Dichloro-2-butene

Concen: 66.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002011.D

Acq: 26 May 2018 07:14

Tgt Ion: 75 Resp: 139112

Ion Ratio Lower Upper

75 100

53 0.3 78.0 117.0#

89 0.1 39.4 59.2#

