

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002148.D
 Acq On : 30 May 2018 20:25
 Operator : JC/MD
 Sample : IBLK01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK01

Quant Time: May 31 02:18:15 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	2170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192518	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	161835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	1952	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	87423	2253.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4507.64%	
35) Dibromofluoromethane	5.51	113	729	0.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.76%	
50) Toluene-d8	8.72	98	226917	32.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.12%	
62) 4-Bromofluorobenzene	11.14	95	73637	27.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	80	0.95	ug/l #	41
3) Chloromethane	1.33	50	696	20.85	ug/l	100
4) Vinyl Chloride	1.40	62	103	3.20	ug/l #	1
5) Bromomethane	1.65	94	666	44.78	ug/l	95
6) Chloroethane	1.71	64	945	49.73	ug/l #	43
7) Trichlorofluoromethane	1.92	101	69	1.43	ug/l #	18
8) Diethyl Ether	2.11	74	23	1.31	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121	4.48	ug/l #	86
10) Methyl Iodide	2.52	142	1220	33.38	ug/l	91
11) Tert butyl alcohol	3.03	59	11498	1510.12	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	133	5.26	ug/l #	32
13) Acrolein	2.31	56	149	45.26	ug/l	87
14) Allyl chloride	2.72	41	143	2.69	ug/l #	1
15) Acrylonitrile	3.14	53	274	17.50	ug/l #	80
16) Acetone	2.45	43	1396	93.25	ug/l	100
17) Carbon Disulfide	2.57	76	1431	19.66	ug/l #	91
18) Methyl Acetate	2.78	43	1367	37.63	ug/l #	76
19) Methyl tert-butyl Ether	3.23	73	71	0.75	ug/l #	3
20) Methylene Chloride	2.86	84	1756	68.36	ug/l #	89
21) trans-1,2-Dichloroethene	3.17	96	343	12.75	ug/l #	18
22) Diisopropyl ether	3.88	45	76	0.70	ug/l #	41
23) Vinyl Acetate	3.81	43	130	1.45	ug/l #	74
24) 1,1-Dichloroethane	3.69	63	25	0.49	ug/l #	83
25) 2-Butanone	4.71	43	522	19.03	ug/l #	53
26) 2,2-Dichloropropane	4.46	77	79	1.52	ug/l #	53
27) cis-1,2-Dichloroethene	4.62	96	45	1.36	ug/l #	1
28) Bromochloromethane	5.03	49	61219	2958.90	ug/l	100
29) Tetrahydrofuran	5.19	42	490	27.45	ug/l #	57
30) Chloroform	5.21	83	142	2.46	ug/l #	18
31) Cyclohexane	5.59	56	277	5.18	ug/l #	28
41) Methacrylonitrile	5.09	41	184	Below	Cal #	55
73) Isopropylbenzene	11.02	105	389	2.35	ug/l	79
74) N-amyl acetate	6.48	43	103	Below	Cal #	59
75) 1,1,2,2-Tetrachloroethane	11.28	83	52	Below	Cal #	25

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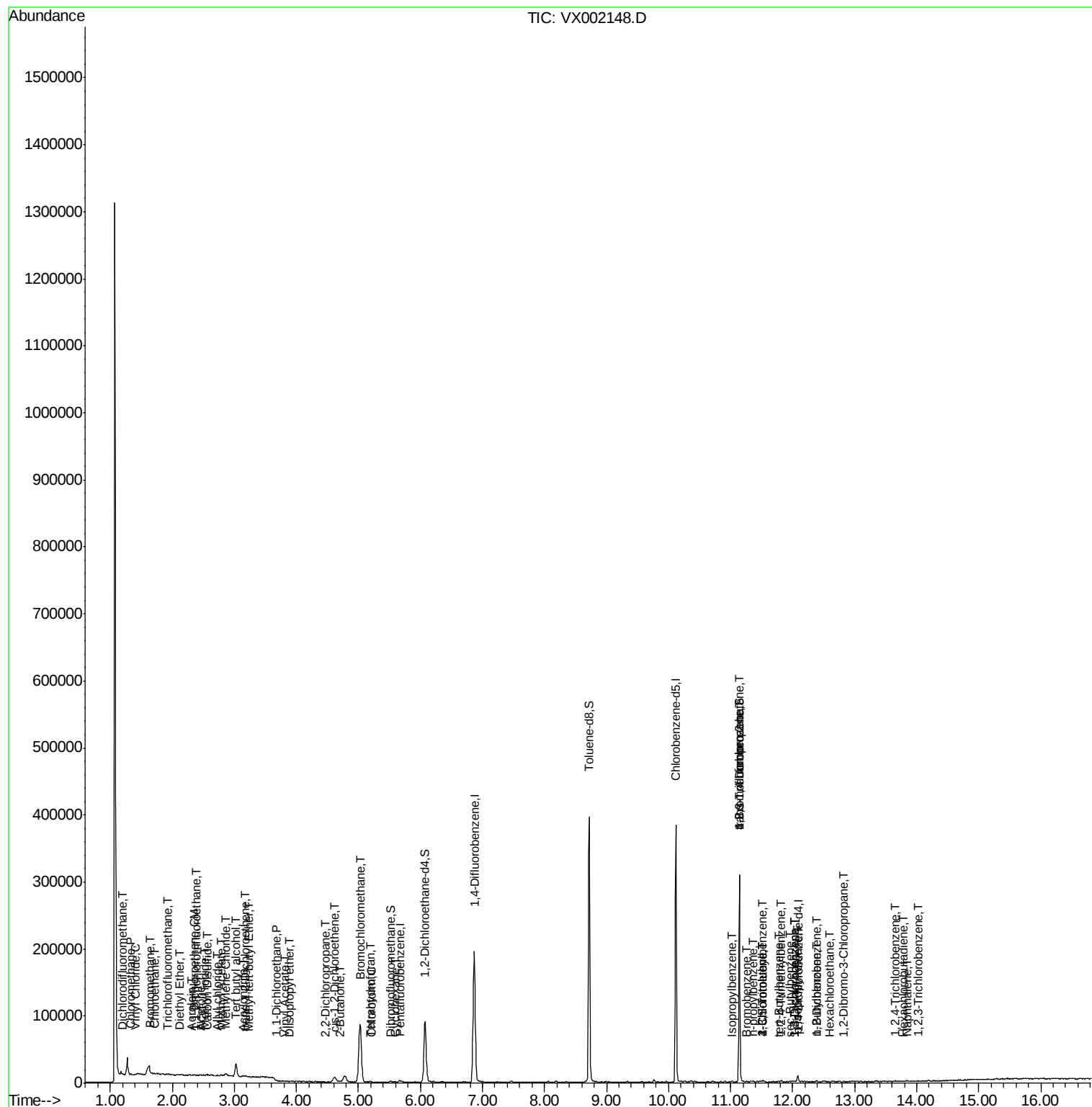
76) 1,2,3-Trichloropropane	11.14	75	38956	830.87	ug/l #	33
77) Bromobenzene	11.26	156	45	1.03	ug/l #	1
78) n-propylbenzene	11.37	91	861	4.65	ug/l	82
79) 2-Chlorotoluene	11.51	91	466	2.39	ug/l	88
80) 1,3,5-Trimethylbenzene	11.51	105	522	3.70	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.14	75	38956	1996.92	ug/l #	10
82) 4-Chlorotoluene	11.51	91	466	3.57	ug/l	95
83) tert-Butylbenzene	11.77	119	174	1.26	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.81	105	775	5.31	ug/l	87
85) sec-Butylbenzene	11.96	105	415	2.49	ug/l	83
86) p-Isopropyltoluene	12.07	119	345	2.31	ug/l #	31
87) 1,3-Dichlorobenzene	12.04	146	199	2.53	ug/l	86
88) 1,4-Dichlorobenzene	12.04	146	199	2.53	ug/l	86
89) n-Butylbenzene	12.39	91	618	4.89	ug/l	97
90) Hexachloroethane	12.60	117	21	0.71	ug/l #	2
91) 1,2-Dichlorobenzene	12.40	146	128	1.60	ug/l #	67
92) 1,2-Dibromo-3-Chloropropan	12.81	75	27	1.84	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	212	3.70	ug/l	84
94) Hexachlorobutadiene	13.78	225	73	2.37	ug/l #	70
95) Naphthalene	13.84	128	643	3.65	ug/l #	74
96) 1,2,3-Trichlorobenzene	14.02	180	174	2.94	ug/l #	54

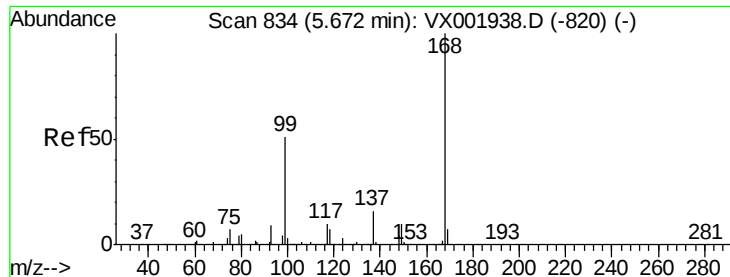
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

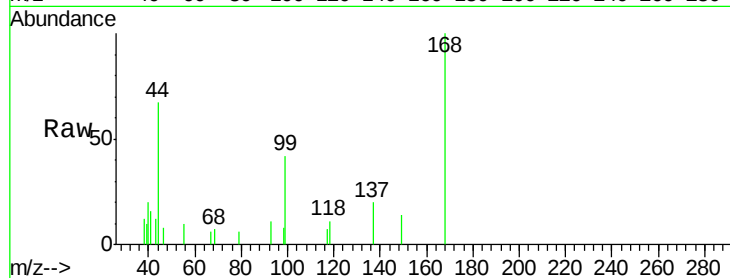
IBLK01

Tgt Ion:168 Resp: 2170

Ion Ratio Lower Upper

168 100

99 42.1 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

800

600

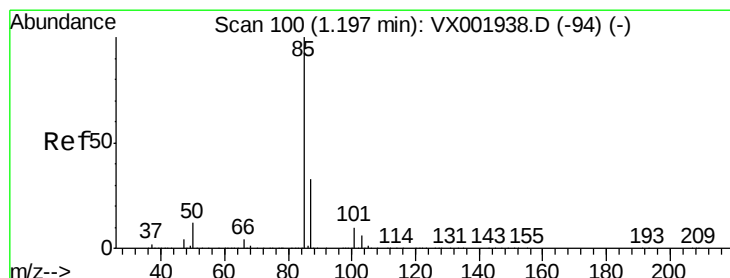
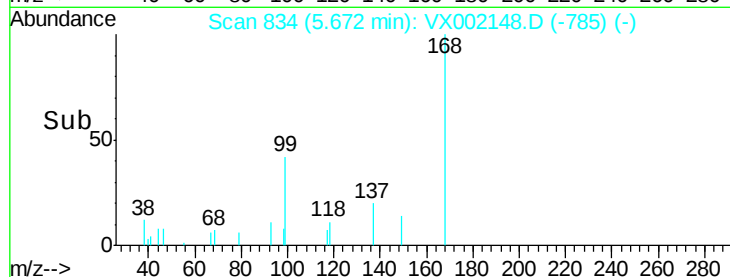
400

200

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.95 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002148.D

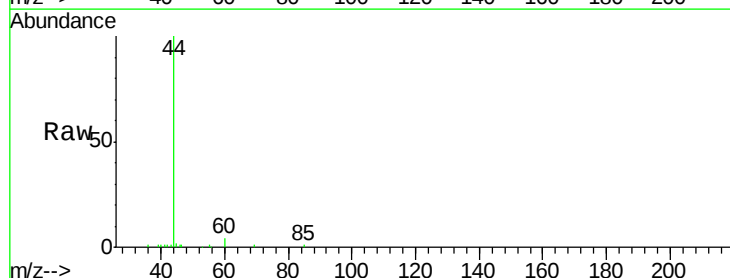
Acq: 30 May 2018 20:25

Tgt Ion: 85 Resp: 80

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

1.20

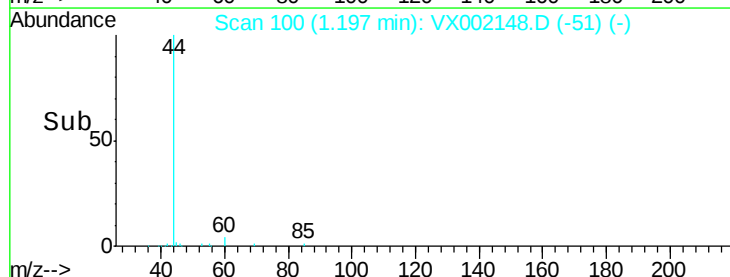
100

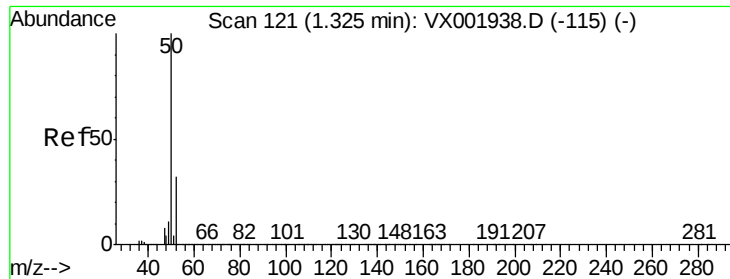
50

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 20.85 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

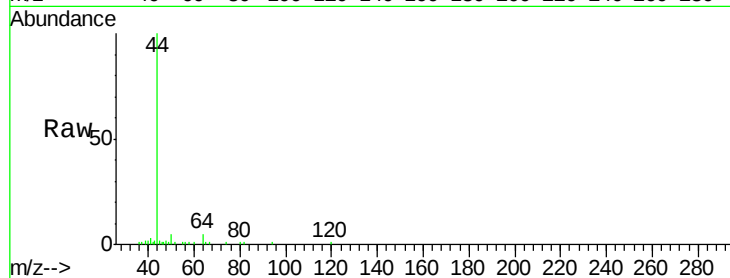
IBLK01

Tgt Ion: 50 Resp: 696

Ion Ratio Lower Upper

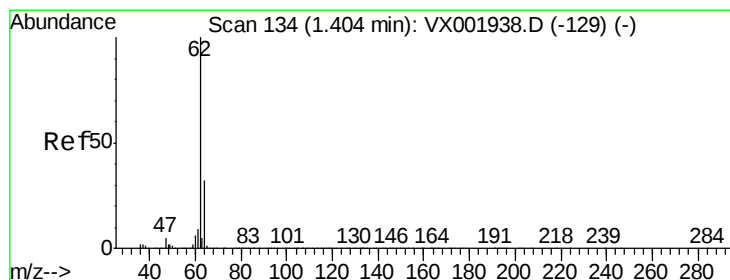
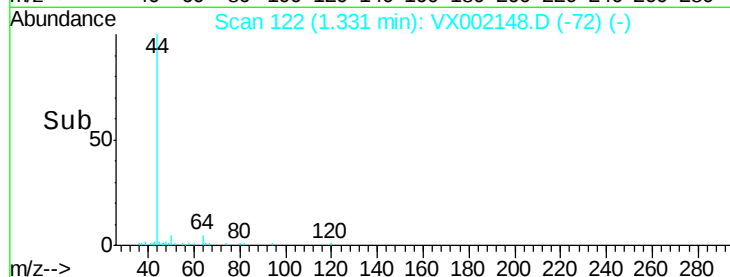
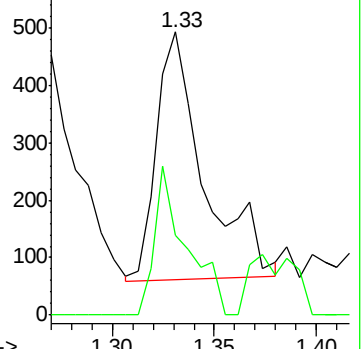
50 100

52 32.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 3.20 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002148.D

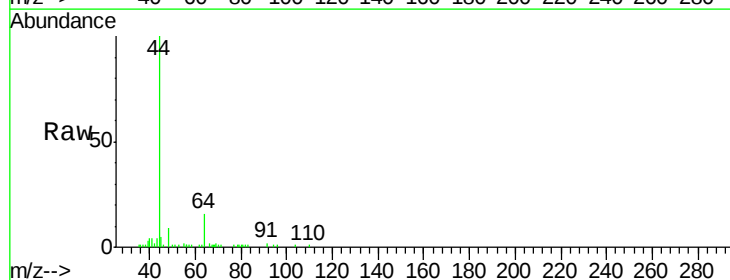
Acq: 30 May 2018 20:25

Tgt Ion: 62 Resp: 103

Ion Ratio Lower Upper

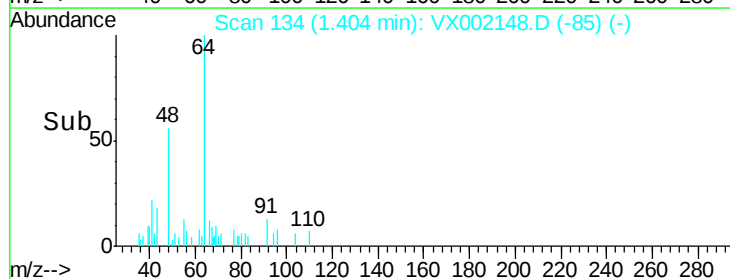
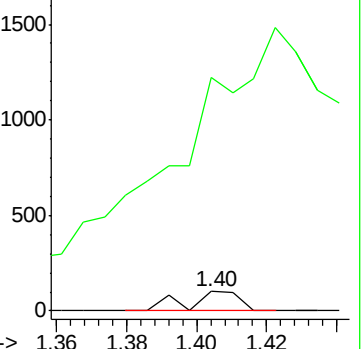
62 100

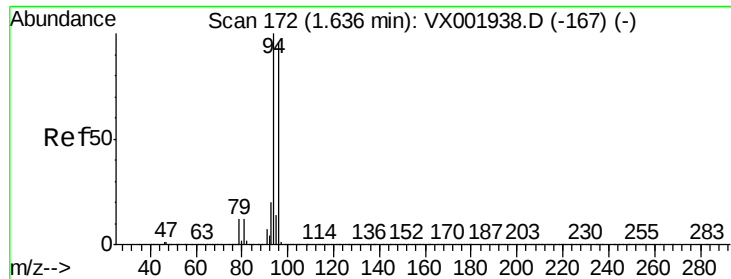
64 611.9 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.78 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

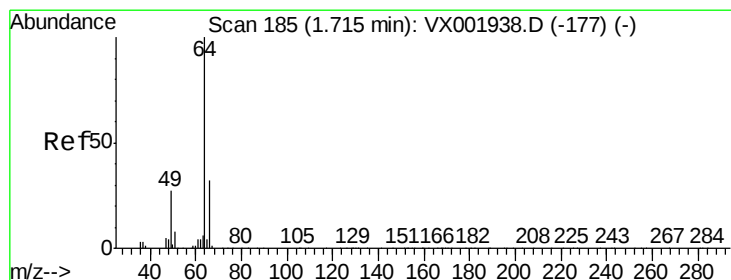
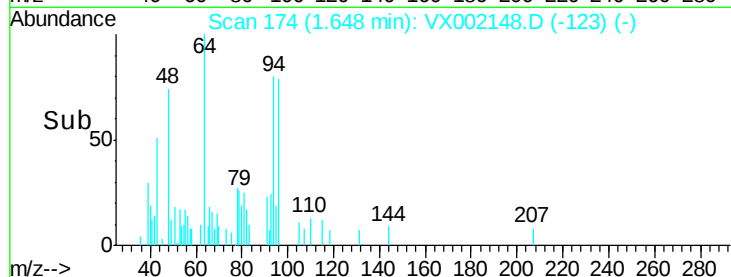
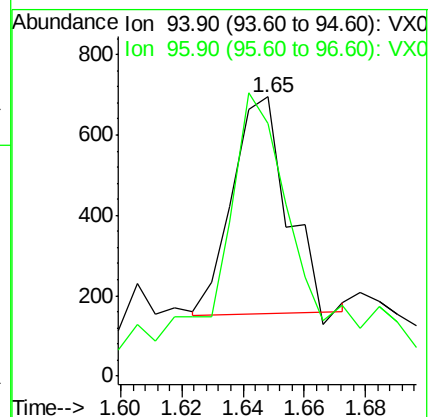
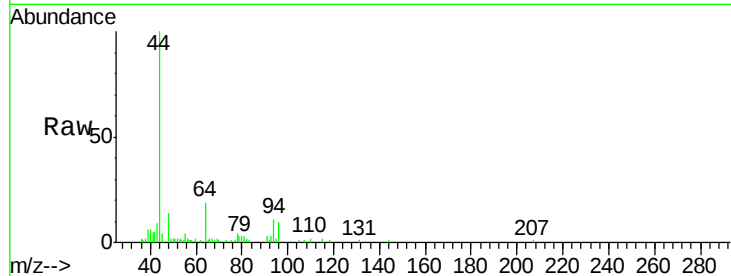
IBLK01

Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

94 100

96 90.4 75.9 113.9



#6

Chloroethane

Concen: 49.73 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002148.D

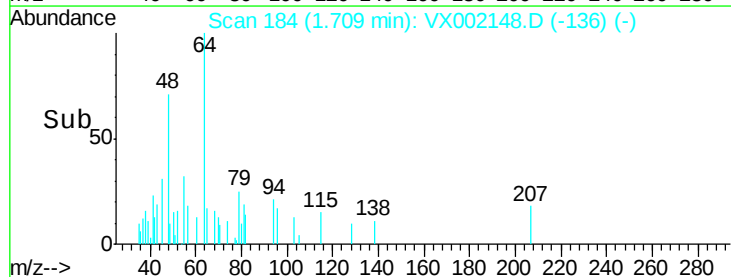
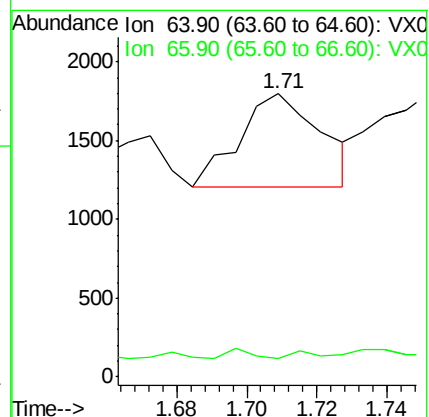
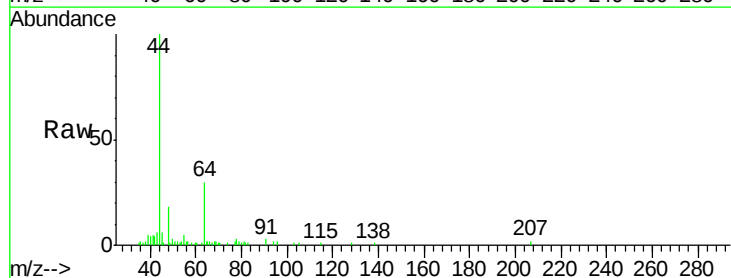
Acq: 30 May 2018 20:25

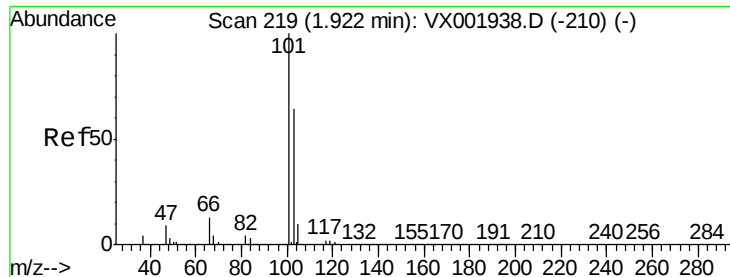
Tgt Ion: 64 Resp: 945

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#





#7

Trichlorofluoromethane

Concen: 1.43 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

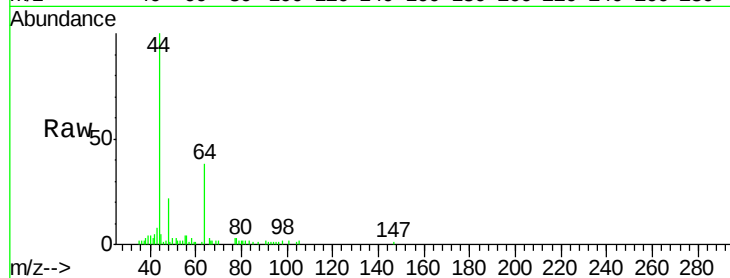
IBLK01

Tgt Ion:101 Resp: 69

Ion Ratio Lower Upper

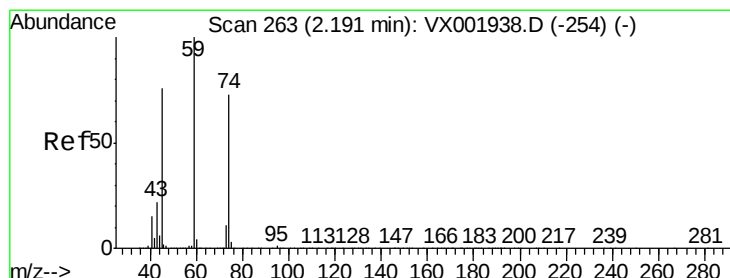
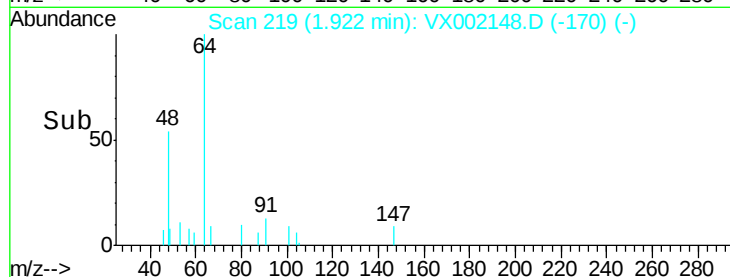
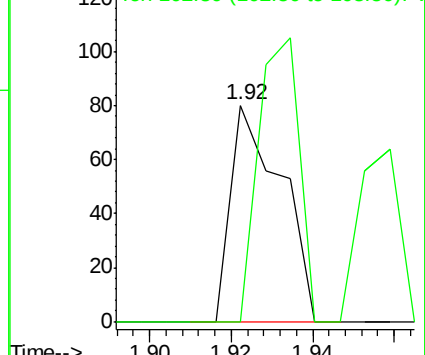
101 100

103 0.0 51.4 77.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.31 ug/l

RT: 2.11 min Scan# 250

Delta R.T. -0.08 min

Lab File: VX002148.D

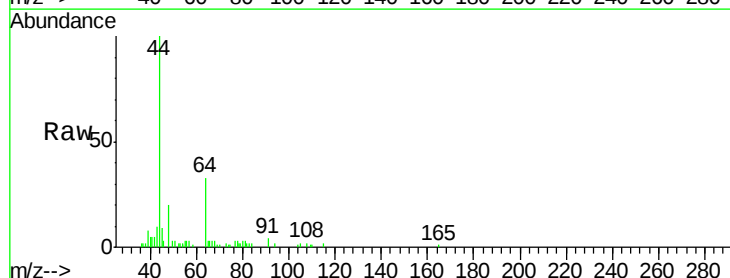
Acq: 30 May 2018 20:25

Tgt Ion: 74 Resp: 23

Ion Ratio Lower Upper

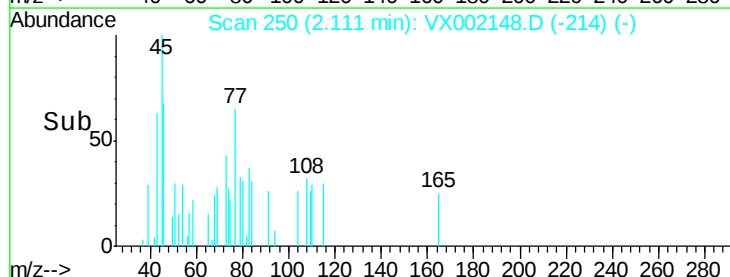
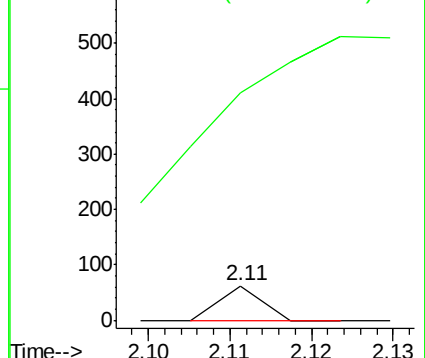
74 100

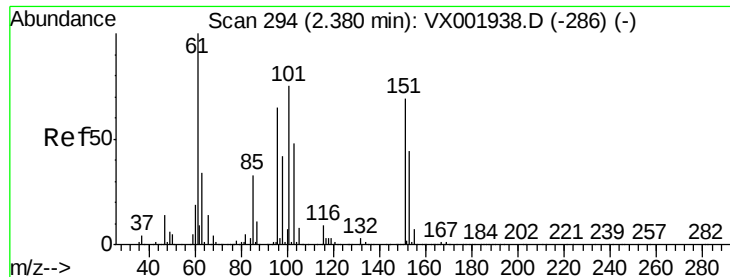
45 3708.7 51.5 154.7#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.48 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

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IBLK01

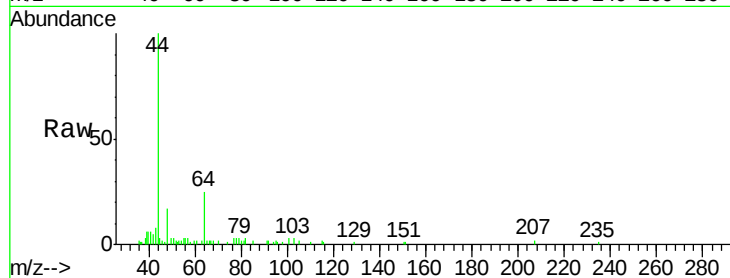
Tgt Ion:101 Resp: 121

Ion Ratio Lower Upper

101 100

85 71.9 35.6 53.4#

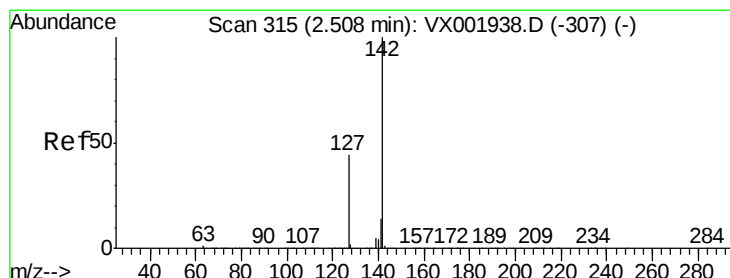
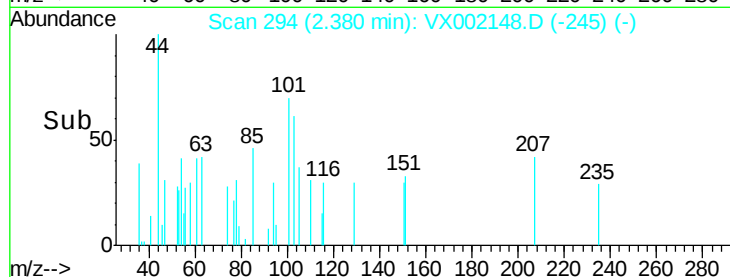
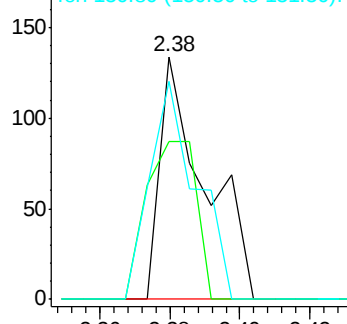
151 91.7 73.2 109.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.38 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

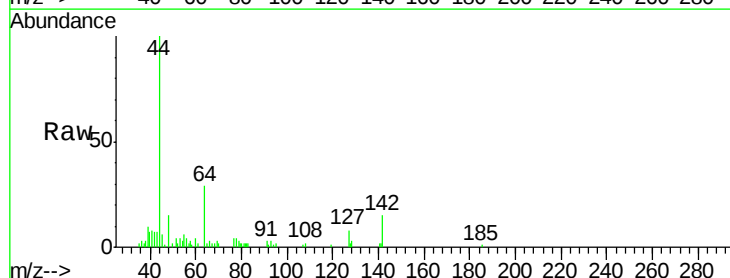
Tgt Ion:142 Resp: 1220

Ion Ratio Lower Upper

142 100

127 51.7 35.5 53.3

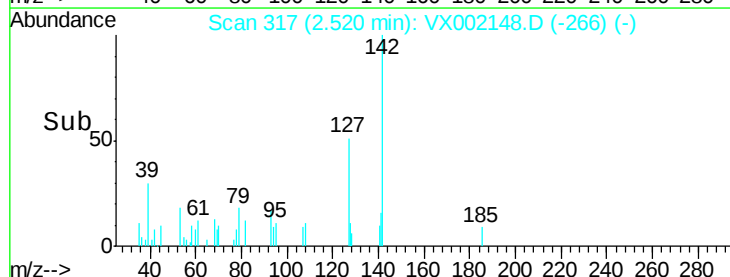
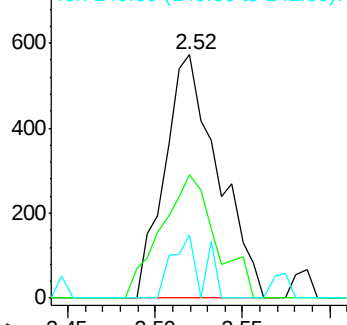
141 14.6 11.3 16.9

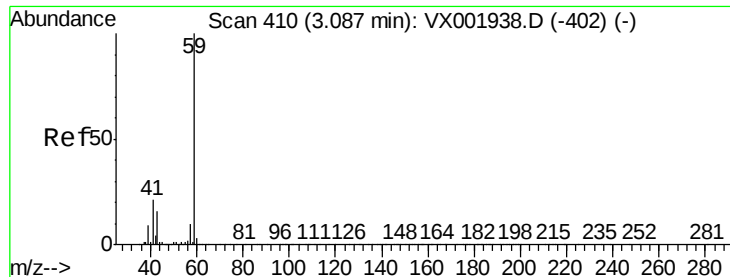


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



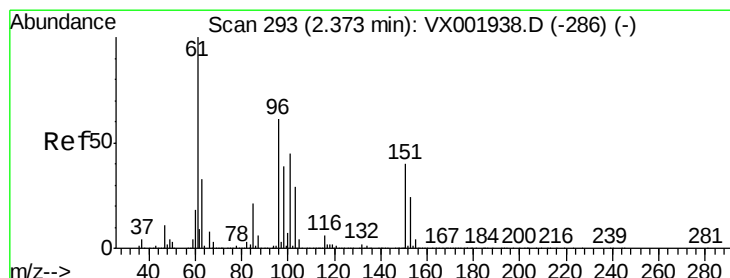
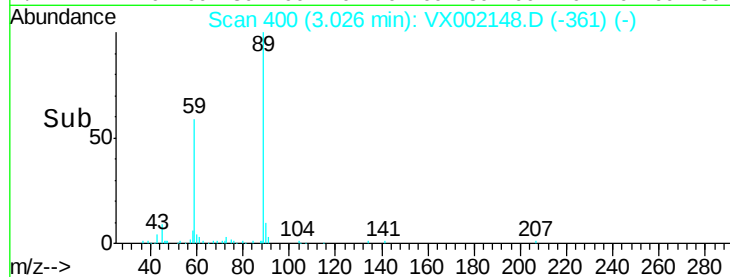
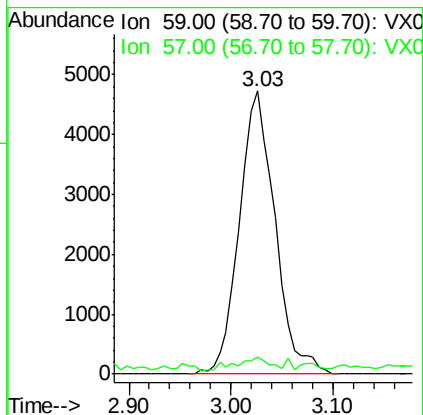
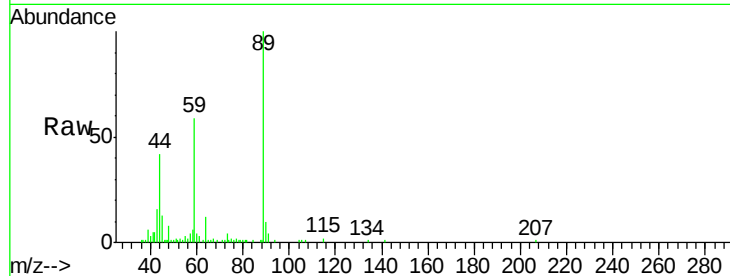


#11

Tert butyl alcohol
Concen: 1510.12 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
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Acq: 30 May 2018 20:25

Instrument :
MSVOA_X
ClientSampled :
IBLK01

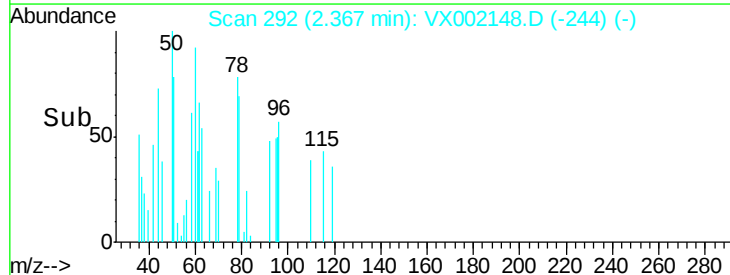
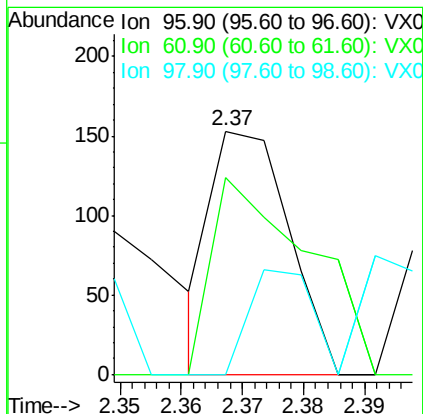
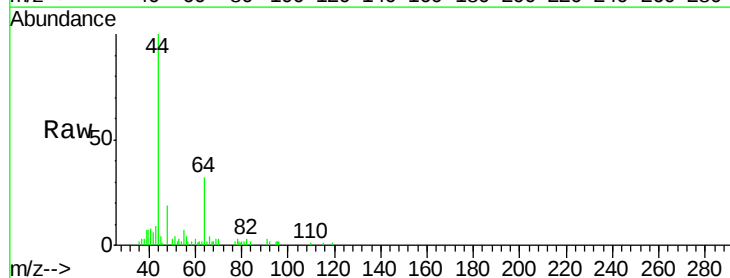
Tgt Ion: 59 Resp: 11498
Ion Ratio Lower Upper
59 100
57 4.9 8.9 13.3#

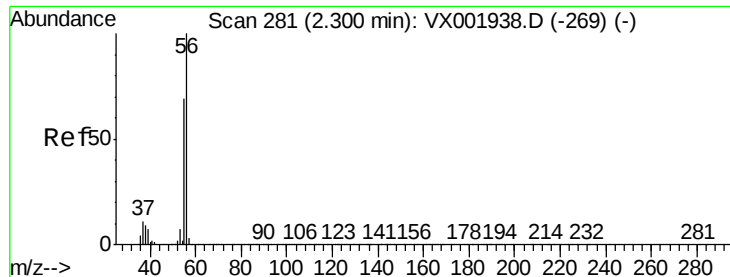


#12

1,1-Dichloroethene
Concen: 5.26 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Tgt Ion: 96 Resp: 133
Ion Ratio Lower Upper
96 100
61 81.0 131.7 197.5#
98 0.0 51.6 77.4#





#13

Acrolein

Concen: 45.26 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

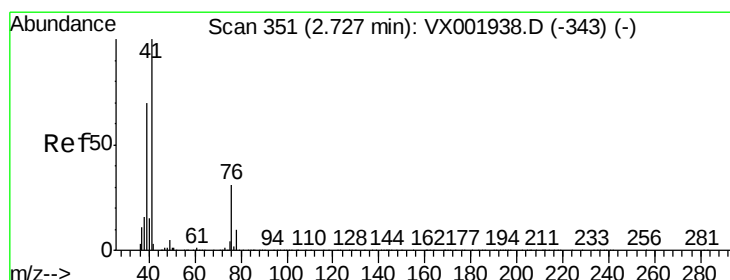
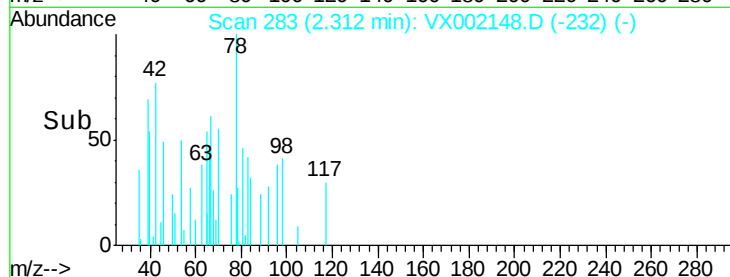
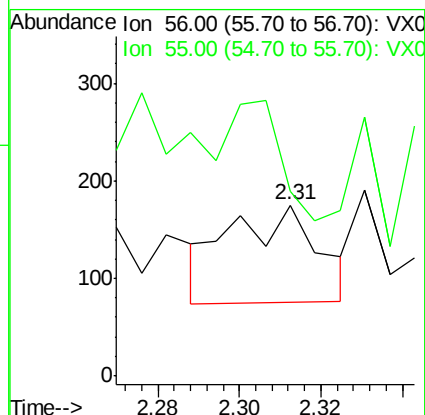
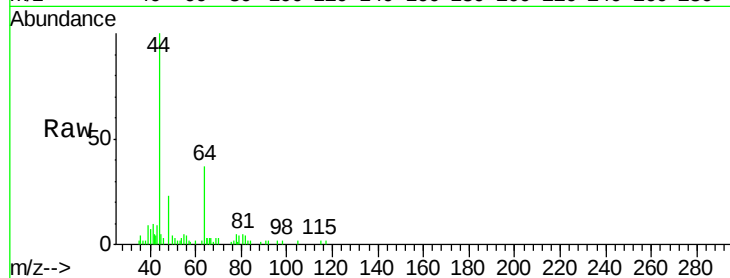
IBLK01

Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 81.9 56.8 85.2



#14

Allyl chloride

Concen: 2.69 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

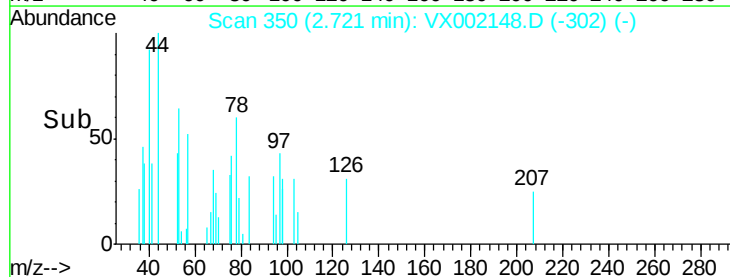
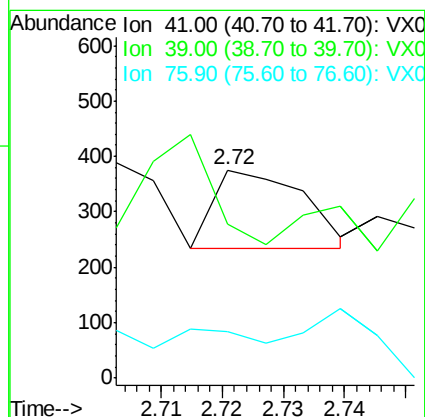
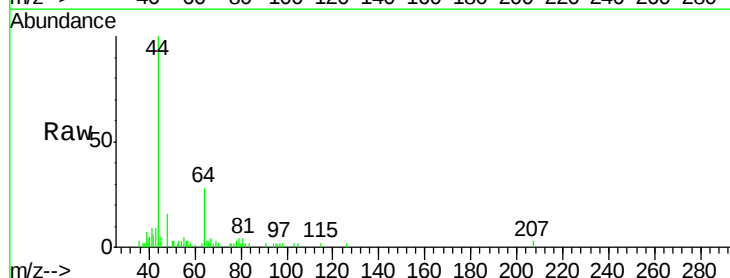
Tgt Ion: 41 Resp: 143

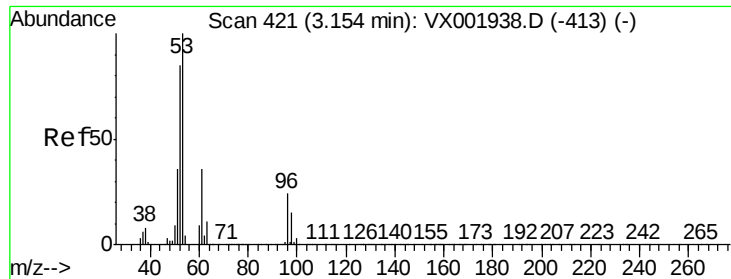
Ion Ratio Lower Upper

41 100

39 207.7 54.3 81.5#

76 0.0 24.2 36.4#

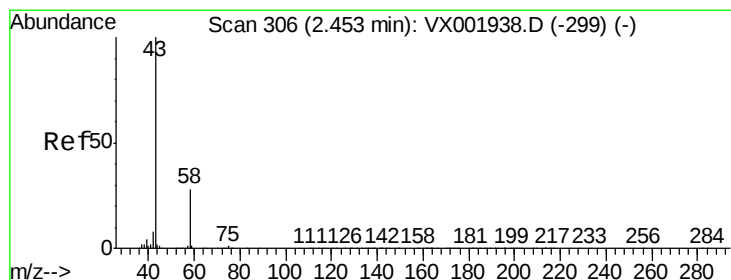
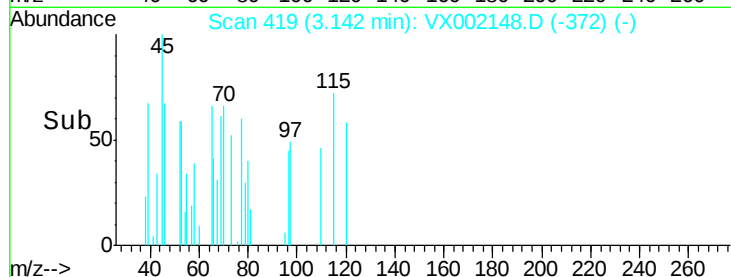
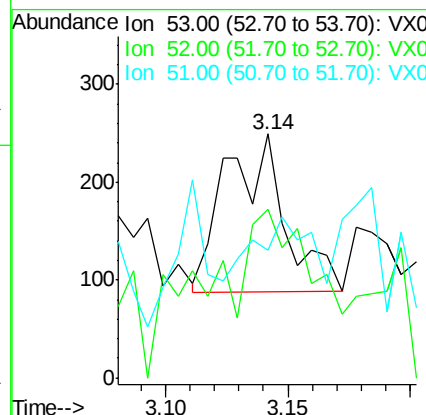
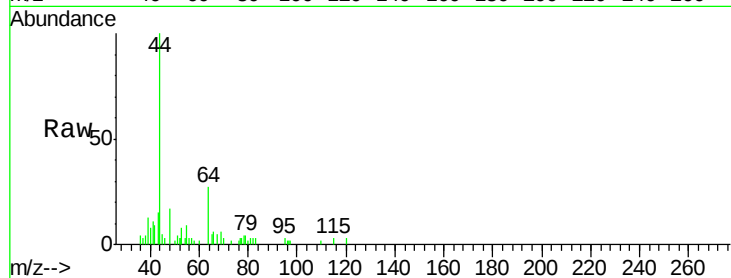




#15
Acrylonitrile
Concen: 17.50 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

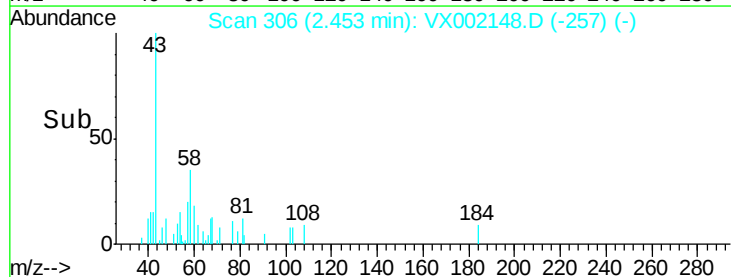
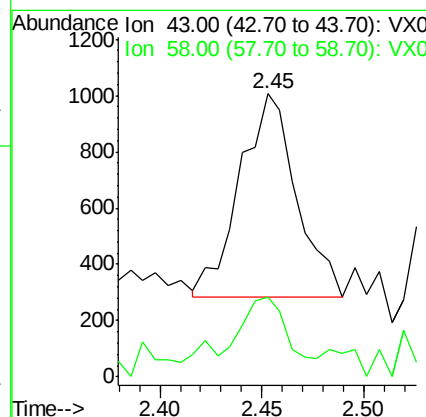
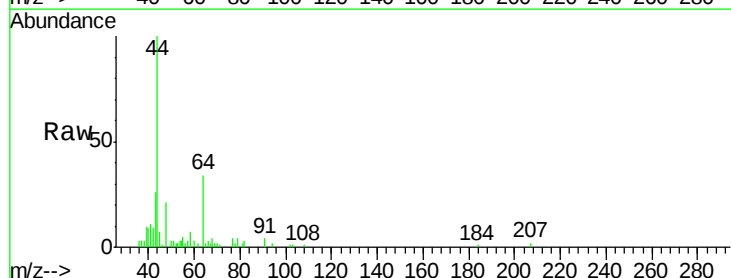
Instrument :
MSVOA_X
ClientSampleId :
IBLK01

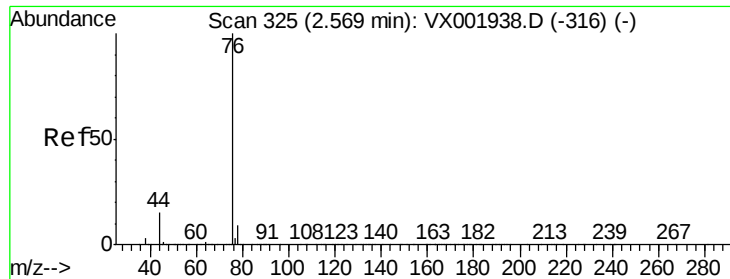
Tgt Ion: 53 Resp: 274
Ion Ratio Lower Upper
53 100
52 91.6 66.4 99.6
51 63.1 29.3 43.9#



#16
Acetone
Concen: 93.25 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 28.1 22.3 33.5





#17

Carbon Disulfide

Concen: 19.66 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

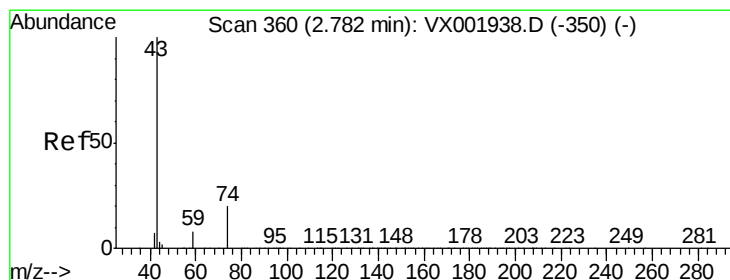
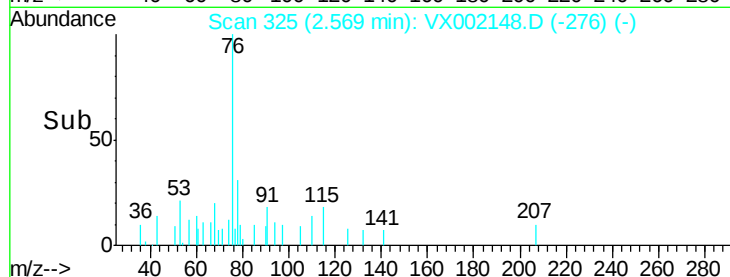
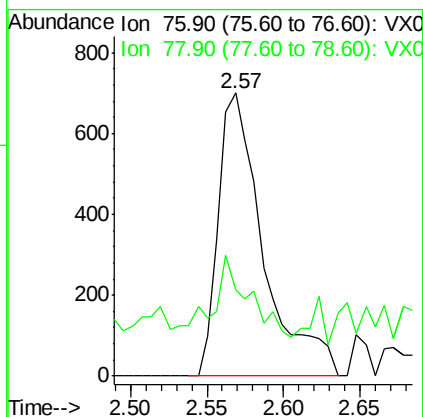
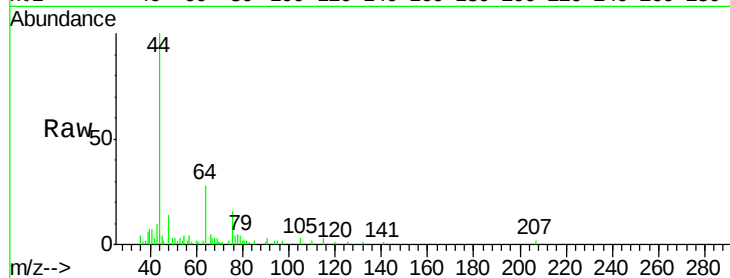
IBLK01

Tgt Ion: 76 Resp: 1431

Ion Ratio Lower Upper

76 100

78 12.6 7.4 11.2#



#18

Methyl Acetate

Concen: 37.63 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002148.D

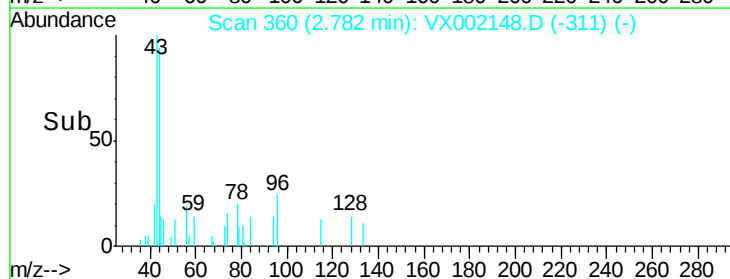
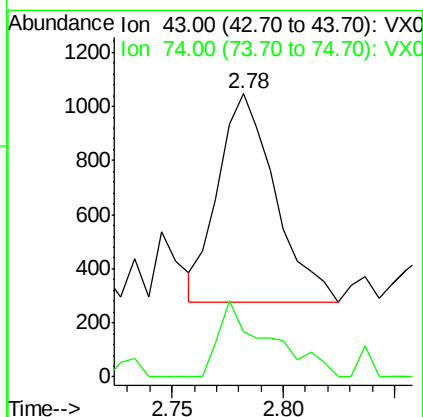
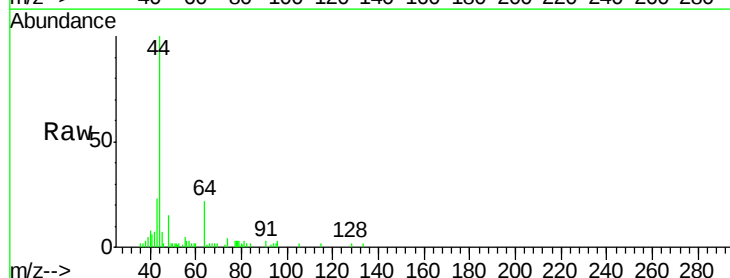
Acq: 30 May 2018 20:25

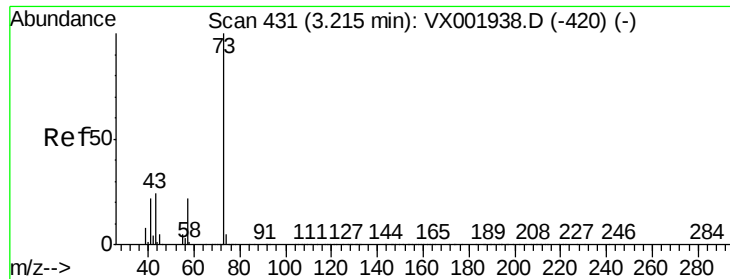
Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

74 32.3 16.8 25.2#





#19

Methyl tert-butyl Ether

Concen: 0.75 ug/l

RT: 3.23 min Scan# 434

Delta R.T. 0.02 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

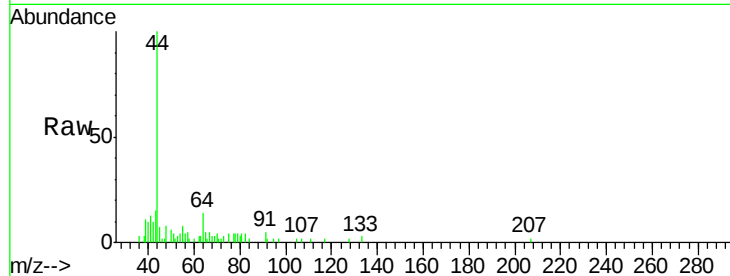
IBLK01

Tgt Ion: 73 Resp: 71

Ion Ratio Lower Upper

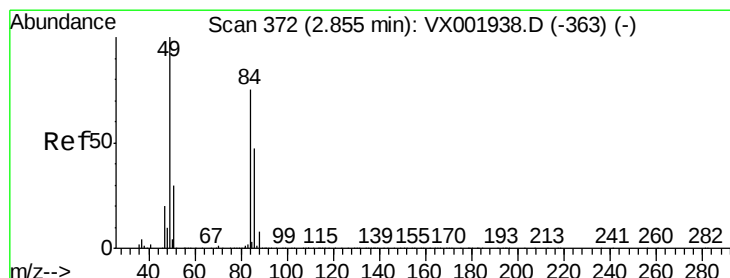
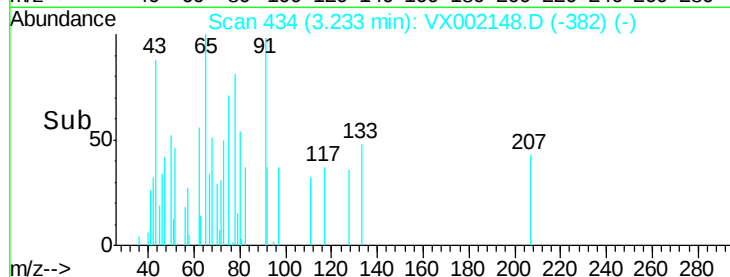
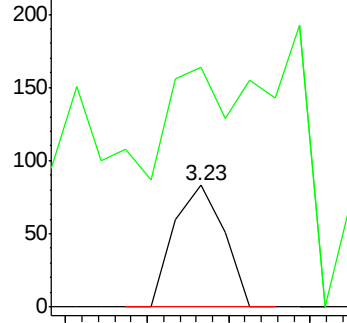
73 100

57 67.5 17.4 26.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 68.36 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Tgt Ion: 84 Resp: 1756

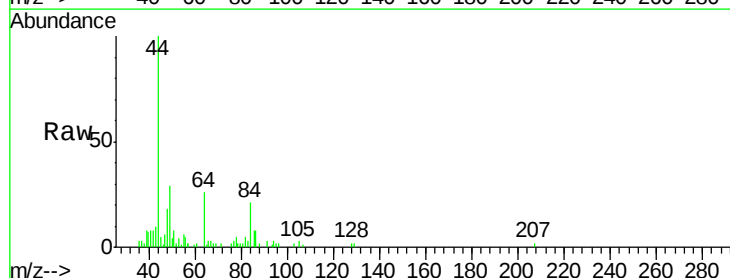
Ion Ratio Lower Upper

84 100

49 137.9 107.2 160.8

51 17.8 32.4 48.6#

86 72.9 50.4 75.6

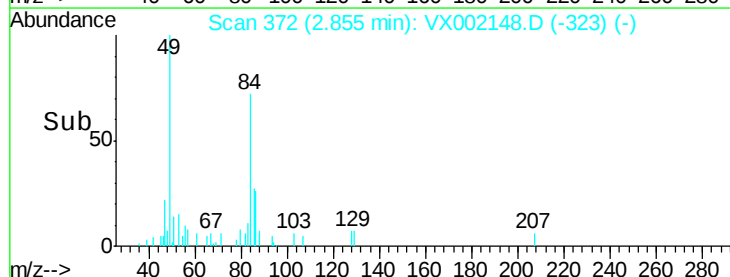
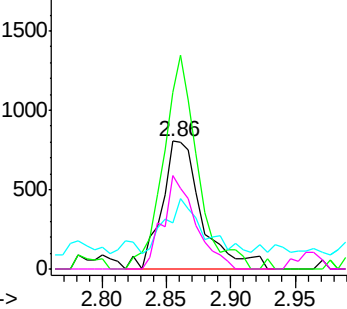


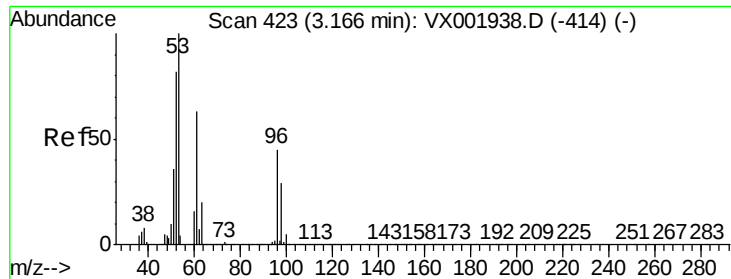
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 12.75 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

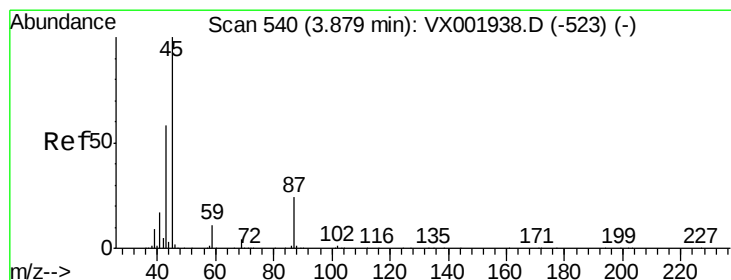
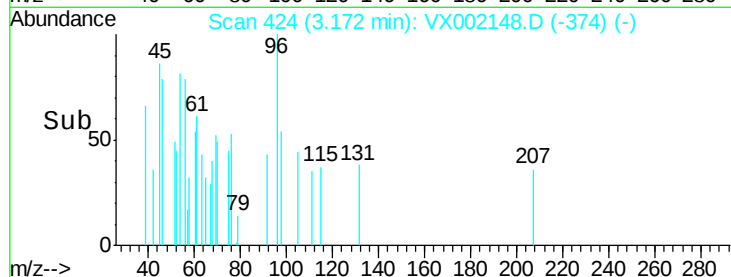
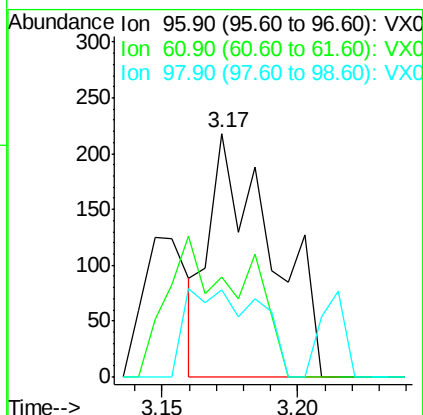
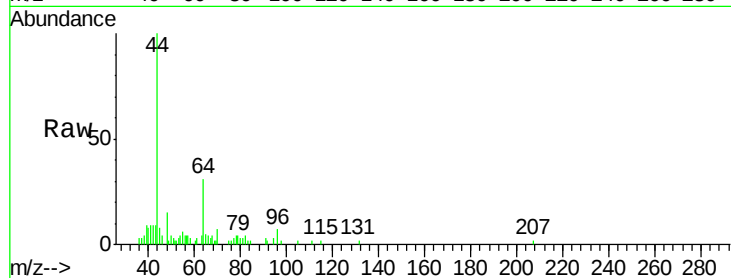
Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :
MSVOA_X
ClientSampled :
IBLK01

Tgt Ion: 96 Resp: 343

Ion	Ratio	Lower	Upper
96	100		
61	40.8	113.3	169.9#
98	0.5	51.7	77.5#



#22

Diisopropyl ether

Concen: 0.70 ug/l

RT: 3.88 min Scan# 540

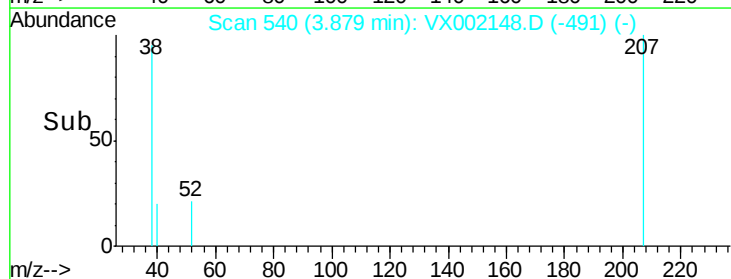
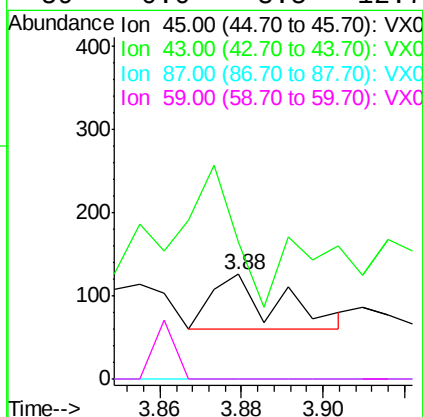
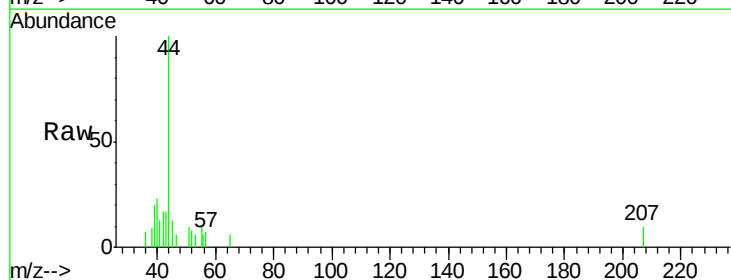
Delta R.T. -0.00 min

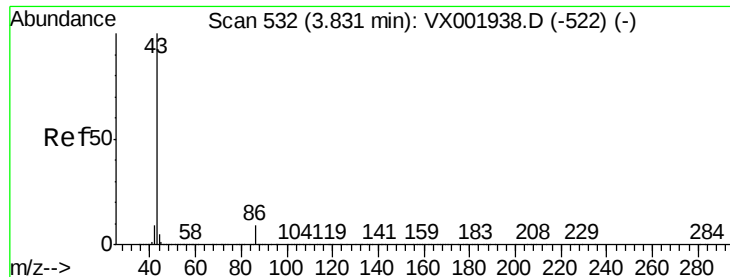
Lab File: VX002148.D

Acq: 30 May 2018 20:25

Tgt Ion: 45 Resp: 76

Ion	Ratio	Lower	Upper
45	100		
43	7.6	47.0	70.6#
87	0.0	19.4	29.0#
59	0.0	8.5	12.7#





#23

Vinyl Acetate

Concen: 1.45 ug/l

RT: 3.81 min Scan# 529

Delta R.T. -0.02 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

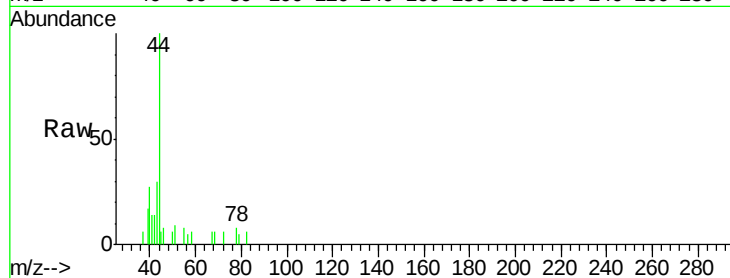
IBLK01

Tgt Ion: 43 Resp: 130

Ion Ratio Lower Upper

43 100

86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

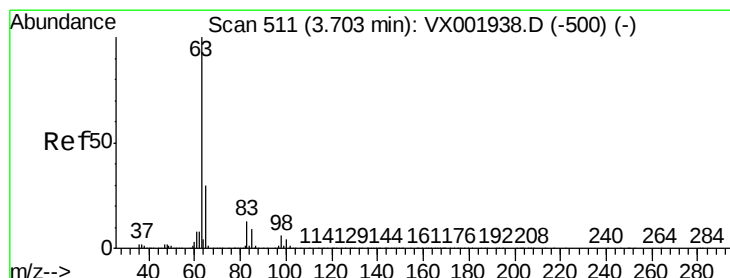
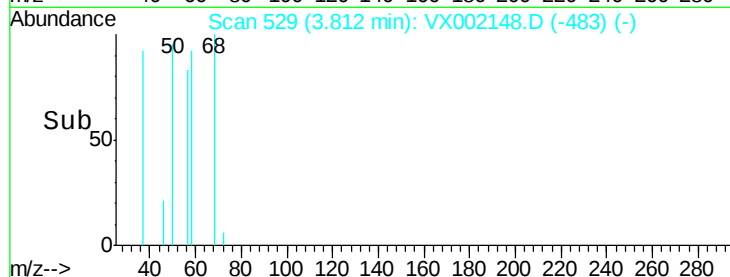
300

200

100

0

Time-->



#24

1,1-Dichloroethane

Concen: 0.49 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

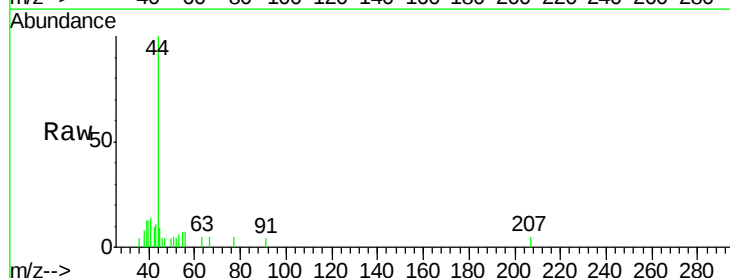
Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80

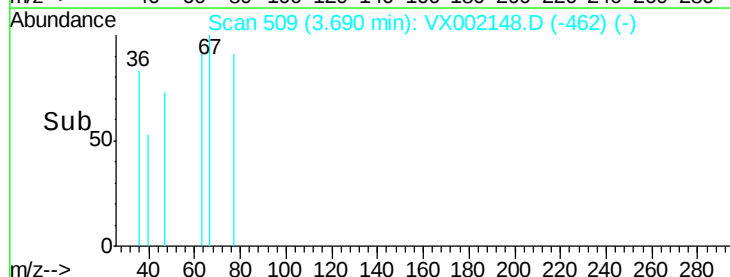
60

40

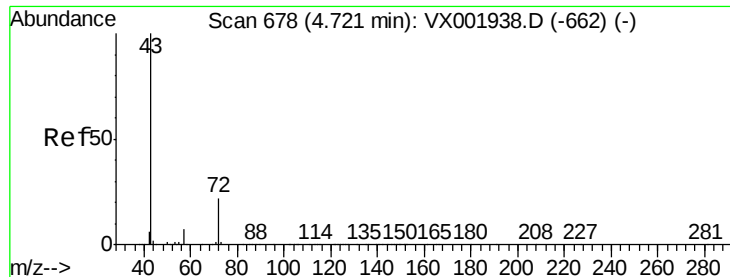
20

0

Time-->



Time-->



#25

2-Butanone

Concen: 19.03 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

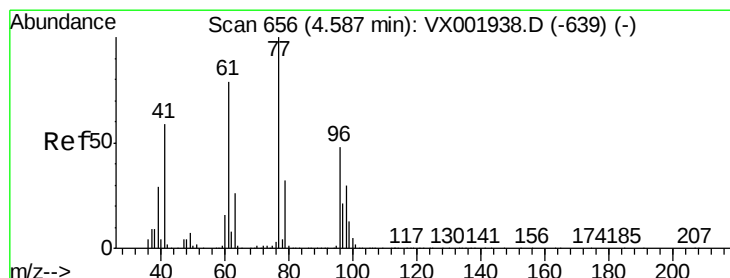
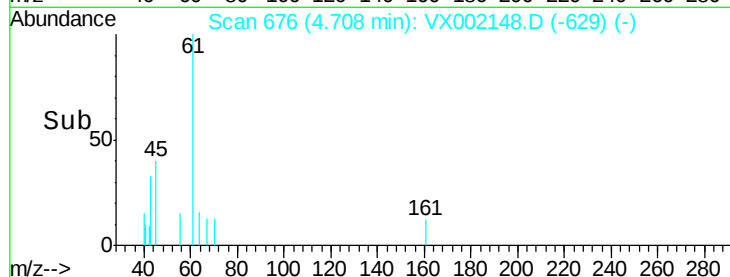
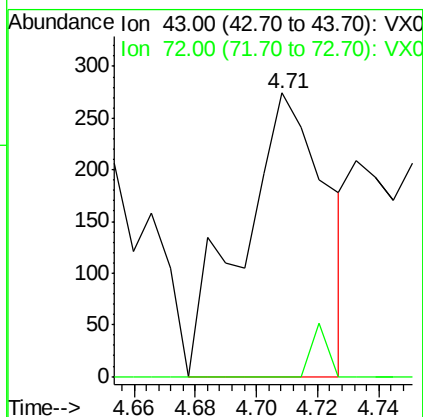
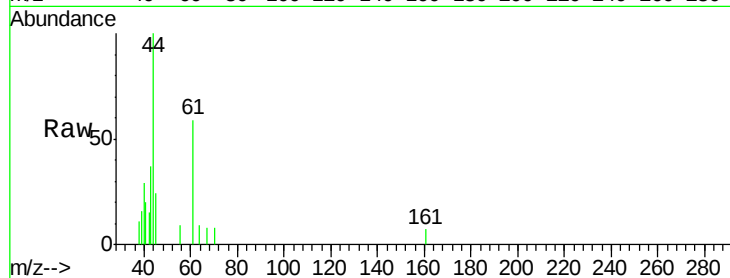
IBLK01

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

72 0.0 17.9 26.9#



#26

2,2-Dichloropropane

Concen: 1.52 ug/l

RT: 4.46 min Scan# 635

Delta R.T. -0.13 min

Lab File: VX002148.D

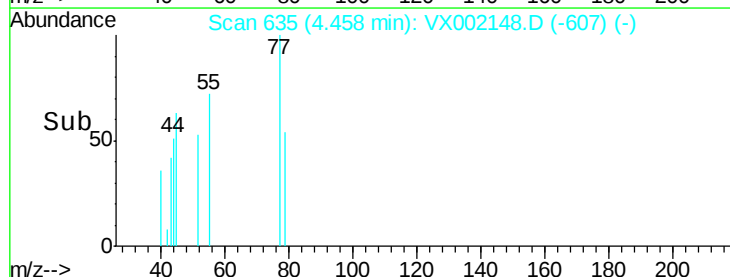
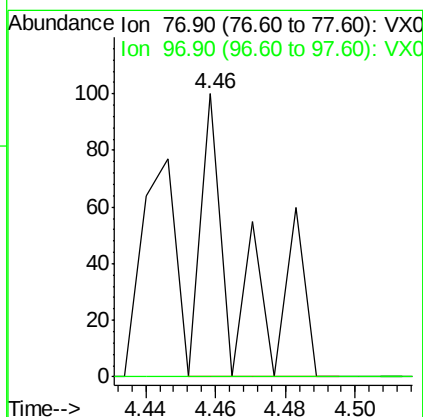
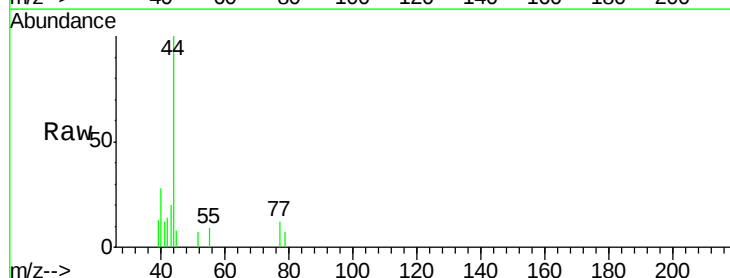
Acq: 30 May 2018 20:25

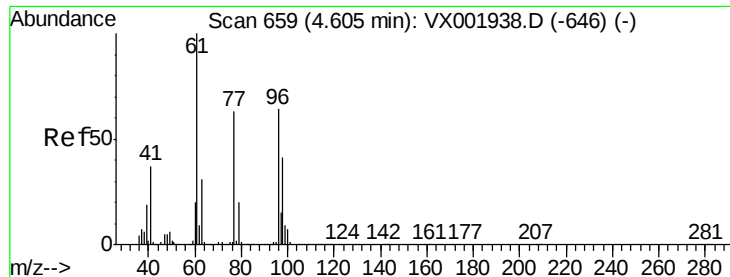
Tgt Ion: 77 Resp: 79

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



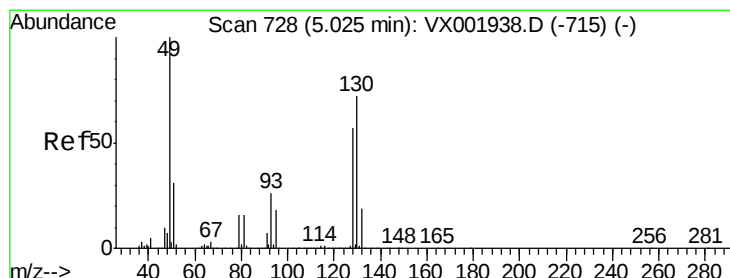
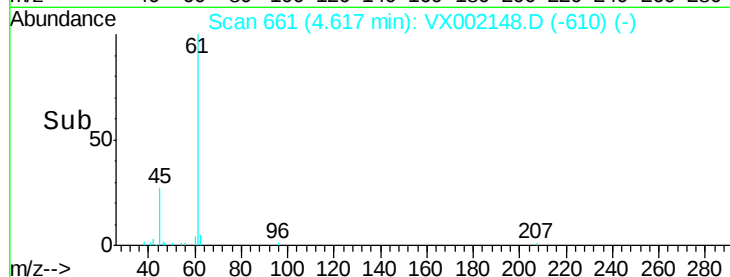
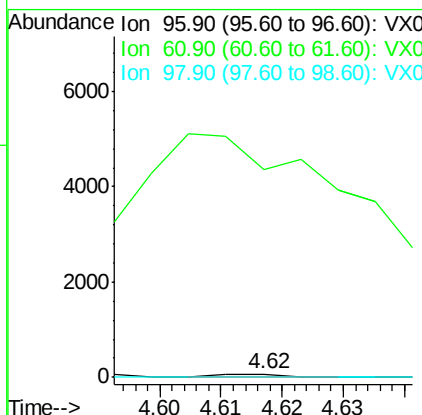
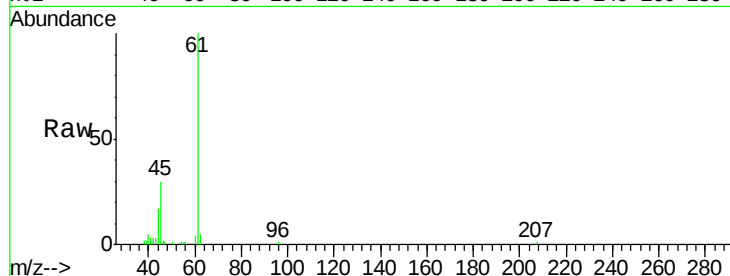


#27

cis-1,2-Dichloroethene
Concen: 1.36 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Instrument :
MSVOA_X
ClientSampleId :
IBLK01

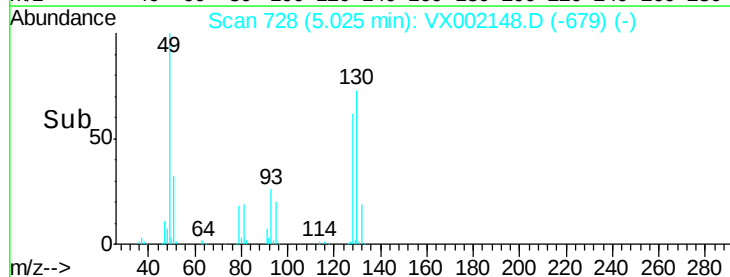
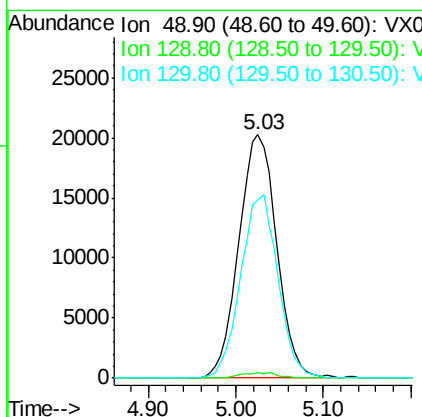
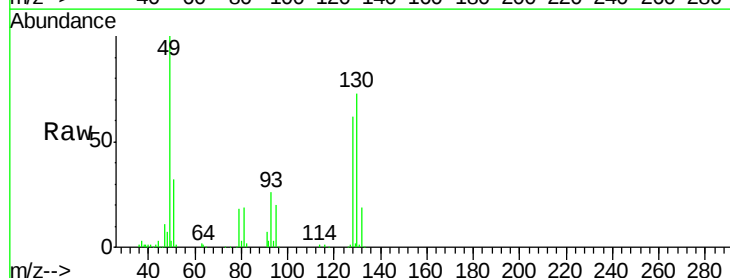
Tgt Ion: 96 Resp: 45
Ion Ratio Lower Upper
96 100
61 45793.3 0.0 348.4#
98 0.0 0.0 128.6

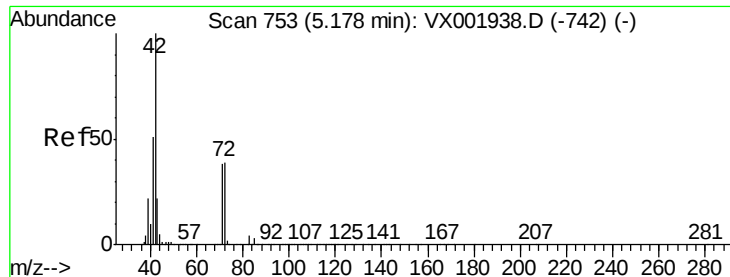


#28

Bromochloromethane
Concen: 2958.90 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Tgt Ion: 49 Resp: 61219
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 74.1 59.4 89.2





#29

Tetrahydrofuran

Concen: 27.45 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

IBLK01

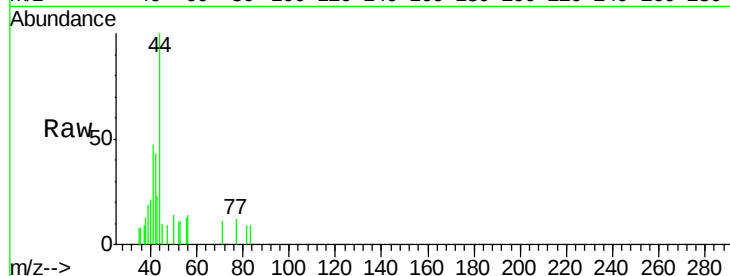
Tgt Ion: 42 Resp: 490

Ion Ratio Lower Upper

42 100

72 24.1 31.4 47.0#

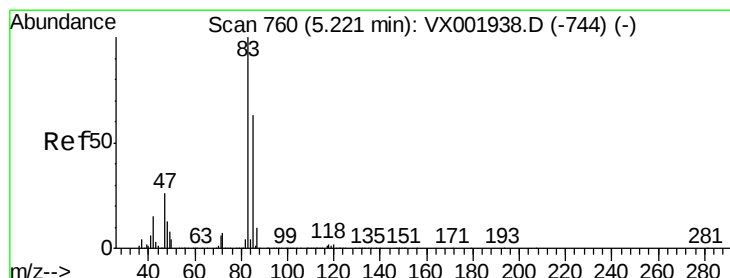
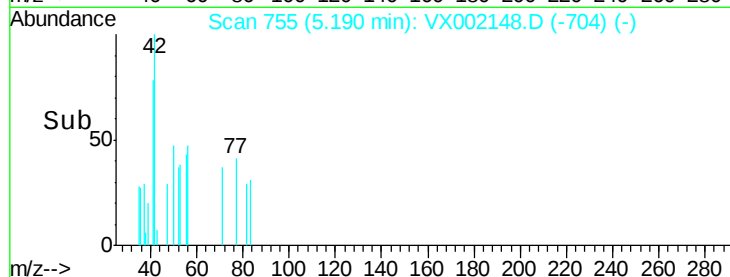
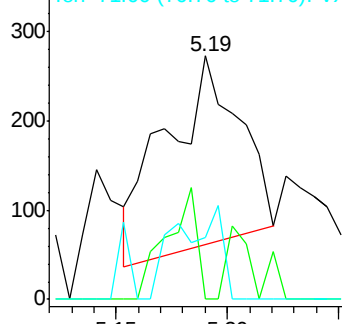
71 0.0 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 2.46 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX002148.D

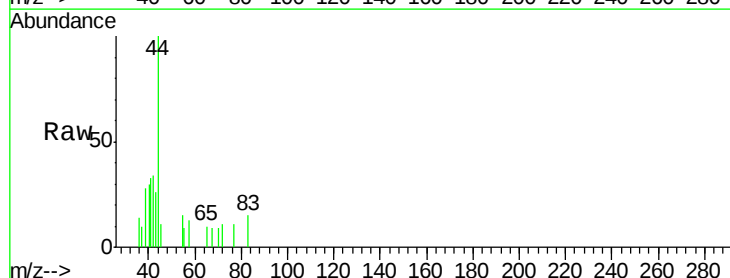
Acq: 30 May 2018 20:25

Tgt Ion: 83 Resp: 142

Ion Ratio Lower Upper

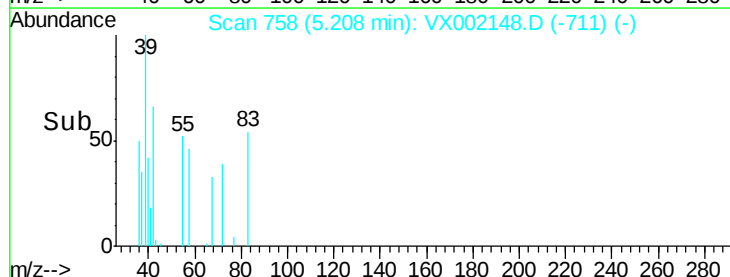
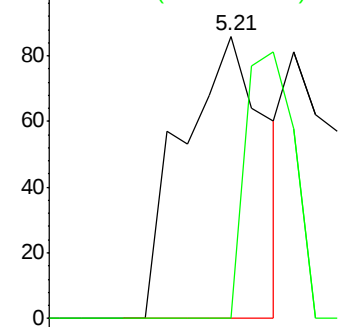
83 100

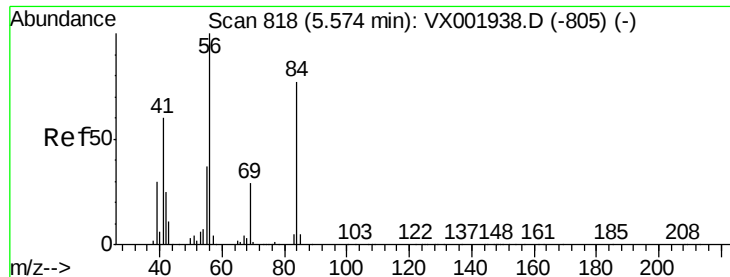
85 0.0 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

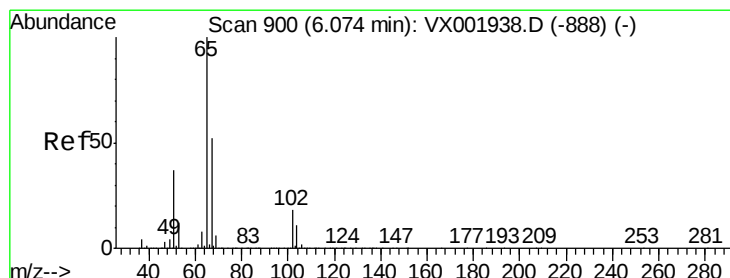
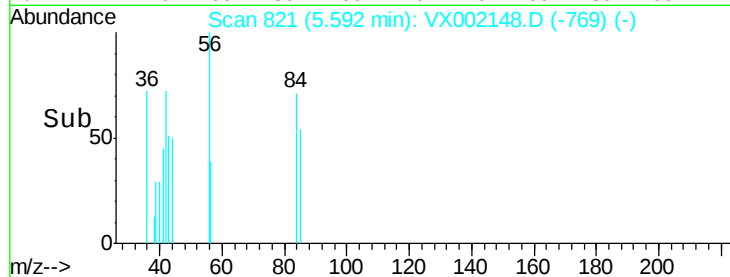
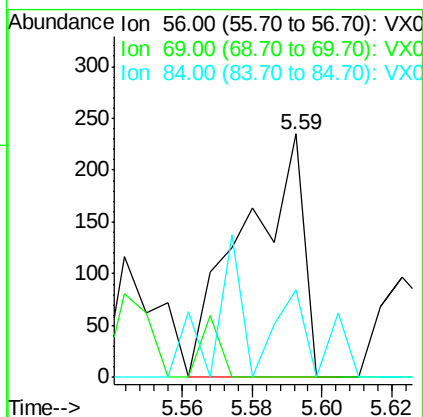
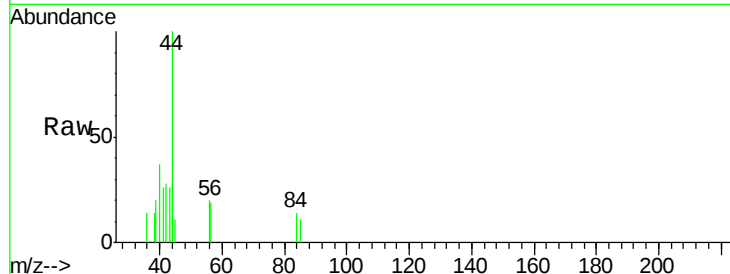




#31
Cyclohexane
Concen: 5.18 ug/l
RT: 5.59 min Scan# 821
Delta R.T. 0.02 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

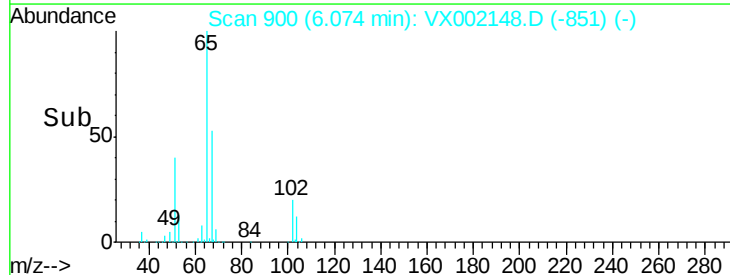
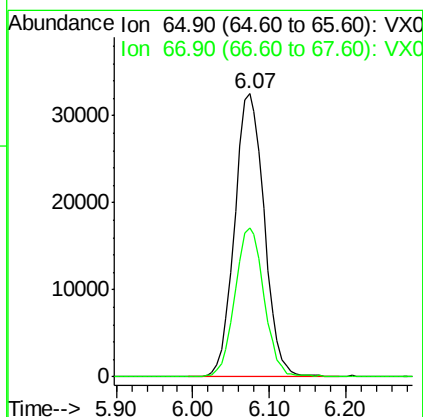
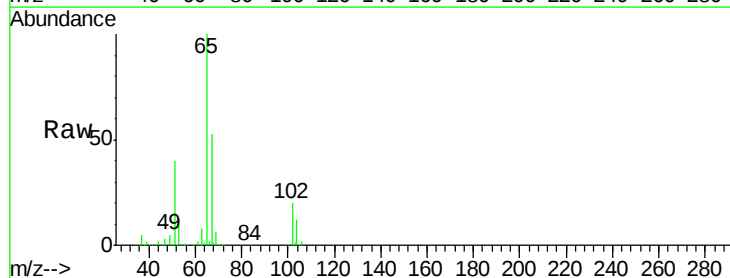
Instrument :
MSVOA_X
ClientSampled :
IBLK01

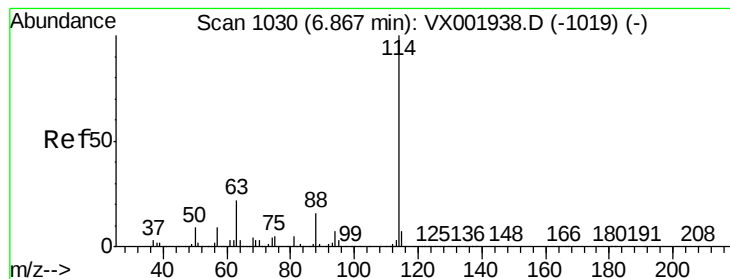
Tgt Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.1	34.7#
84	9.4	62.0	93.0#



#33
1,2-Dichloroethane-d4
Concen: 2253.82 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	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: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

IBLK01

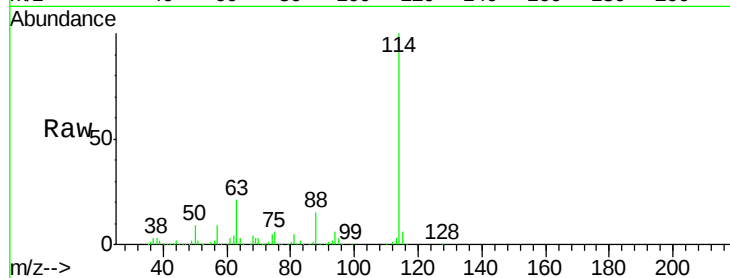
Tgt Ion:114 Resp: 192518

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

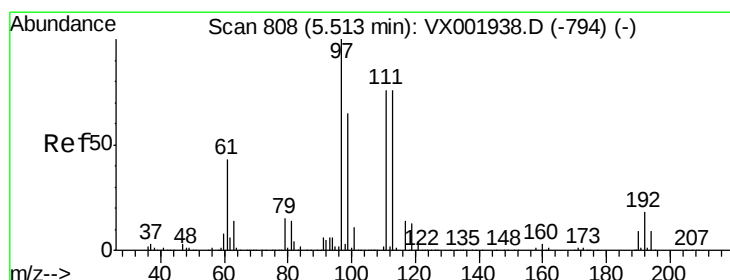
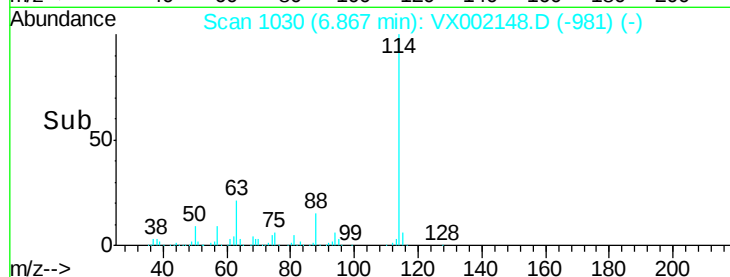
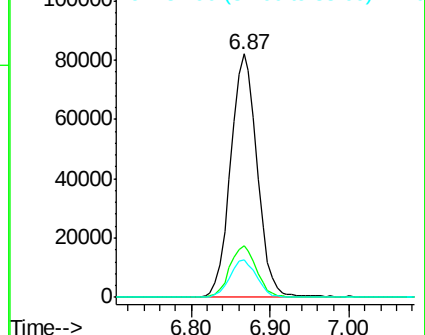
88 15.3 0.0 31.6



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



#35

Dibromofluoromethane

Concen: 0.38 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

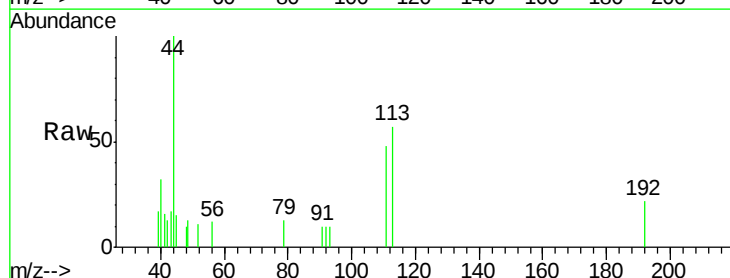
Tgt Ion:113 Resp: 729

Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

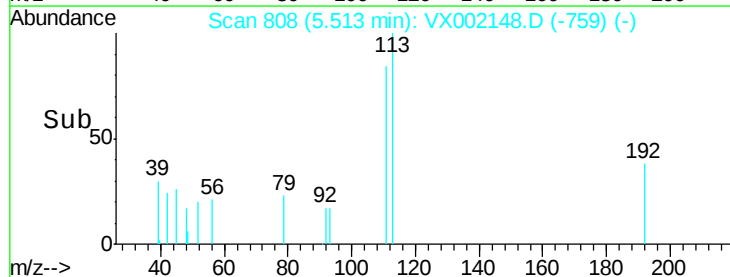
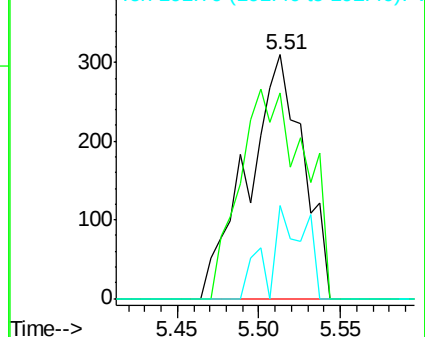
192 24.6 18.9 28.3

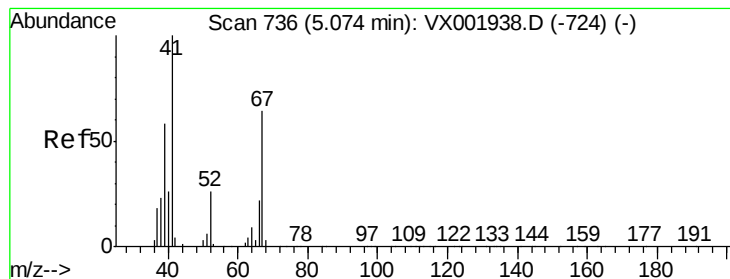


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.09 min Scan# 738

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

IBLK01

Tgt Ion: 41 Resp: 184

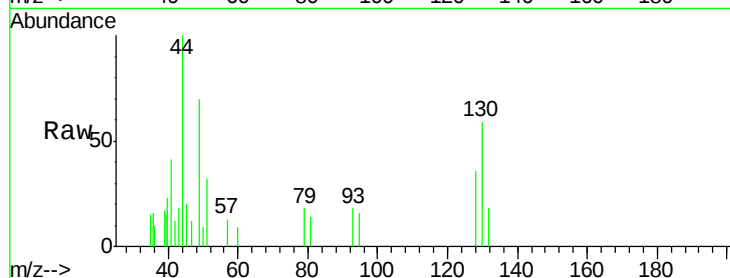
Ion Ratio Lower Upper

41 100

39 58.7 46.0 69.0

67 0.0 50.6 75.8#

52 0.0 21.9 32.9#

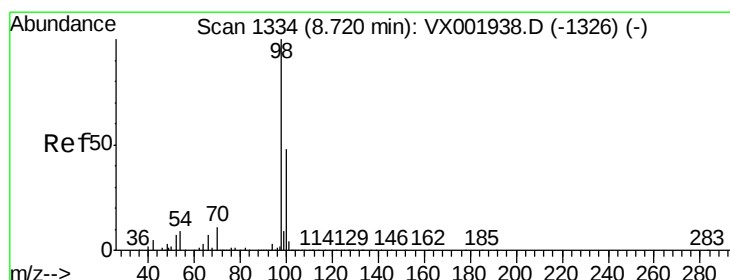
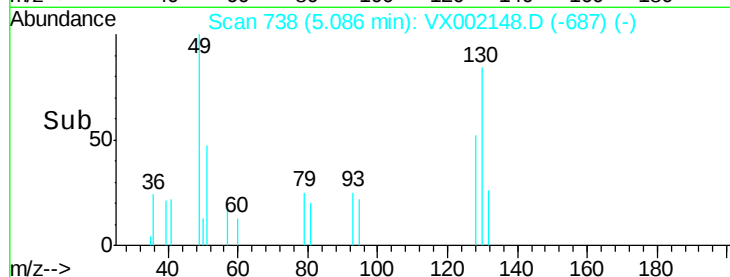
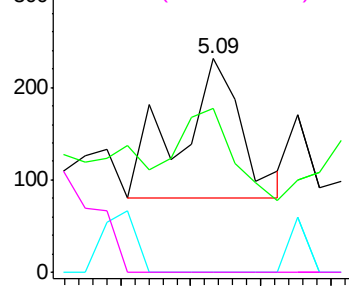


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#50

Toluene-d8

Concen: 32.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002148.D

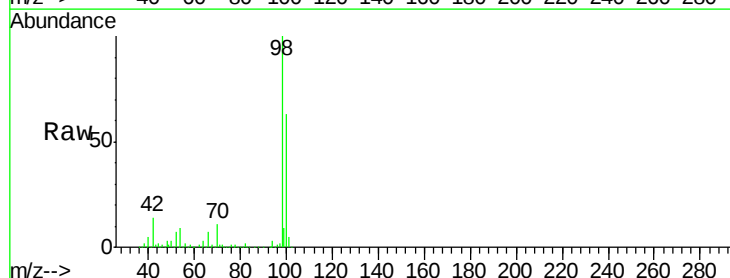
Acq: 30 May 2018 20:25

Tgt Ion: 98 Resp: 226917

Ion Ratio Lower Upper

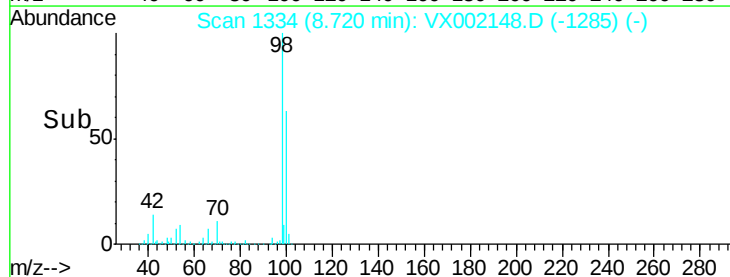
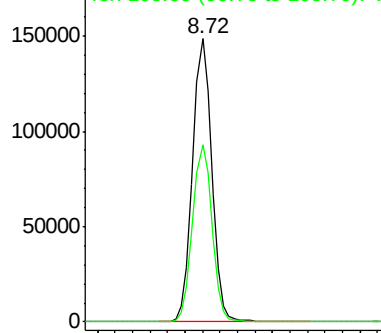
98 100

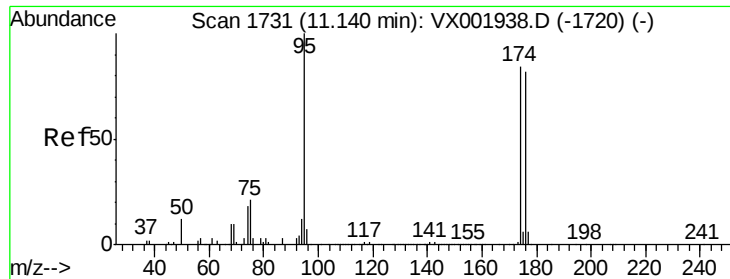
100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

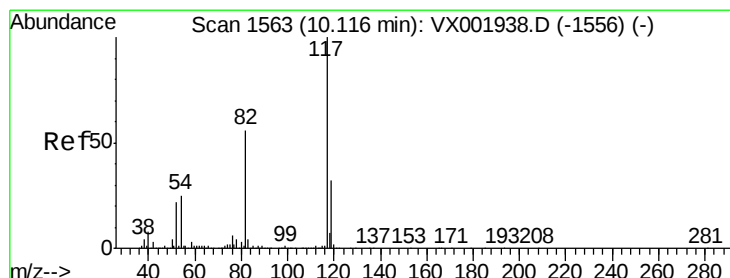
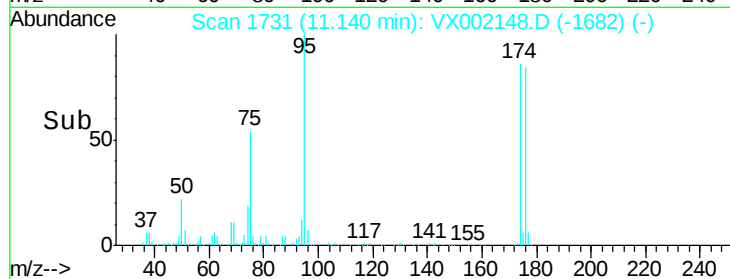
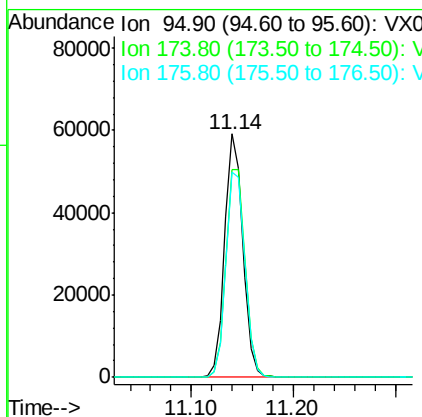
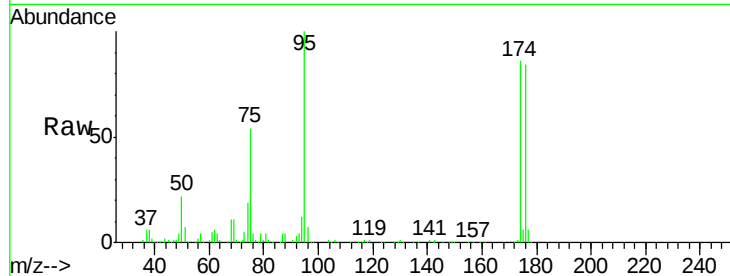




#62
4-Bromofluorobenzene
Concen: 27.00 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

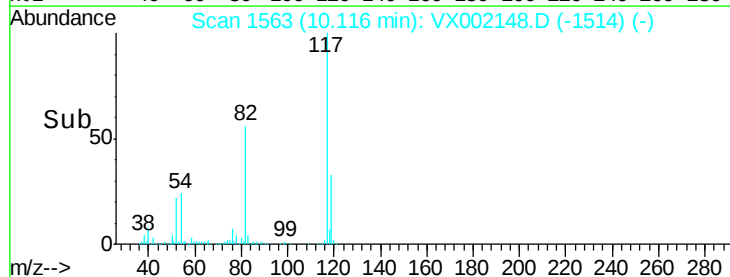
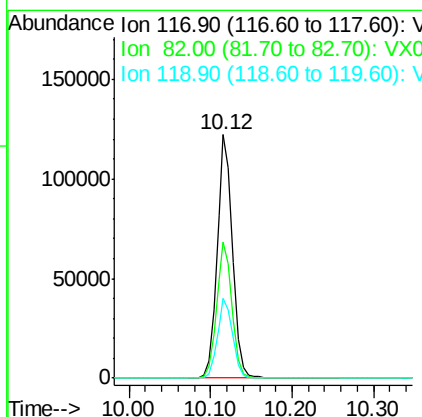
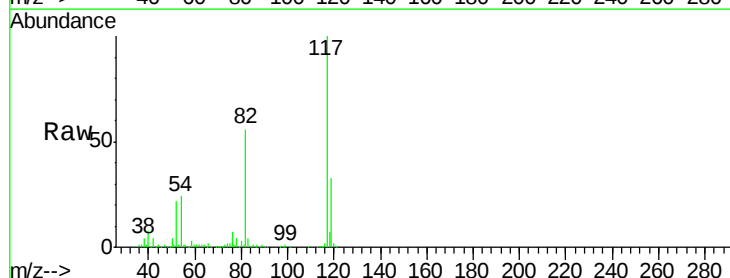
Instrument :
MSVOA_X
ClientSampleId :
IBLK01

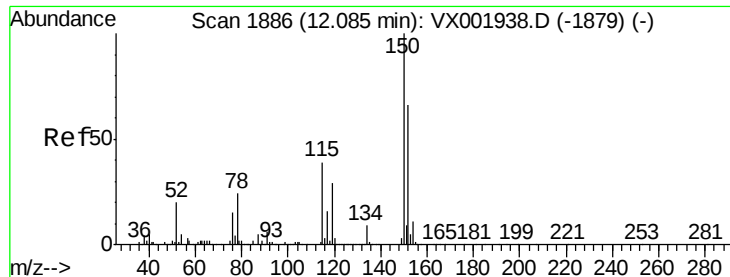
Tgt Ion: 95 Resp: 73637
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 87.9 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002148.D
Acq: 30 May 2018 20:25

Tgt Ion: 117 Resp: 161835
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 33.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

IBLK01

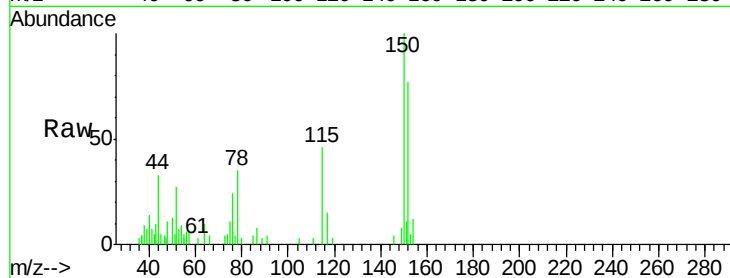
Tgt Ion:152 Resp: 1952

Ion Ratio Lower Upper

152 100

115 58.2 42.3 126.8

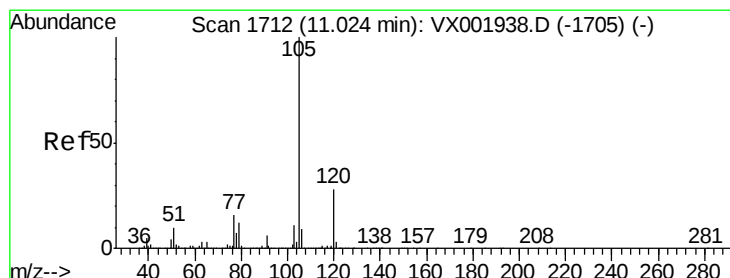
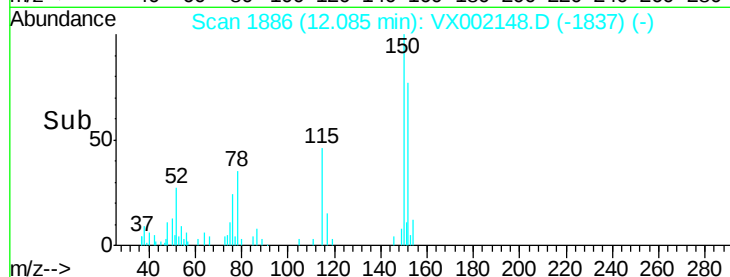
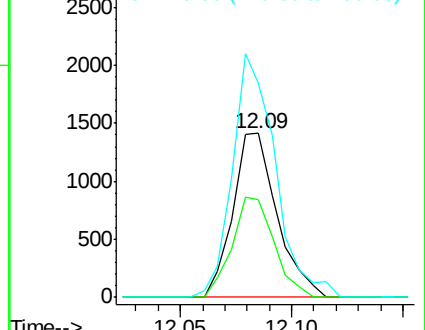
150 144.3 0.0 351.0



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



#73

Isopropylbenzene

Concen: 2.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002148.D

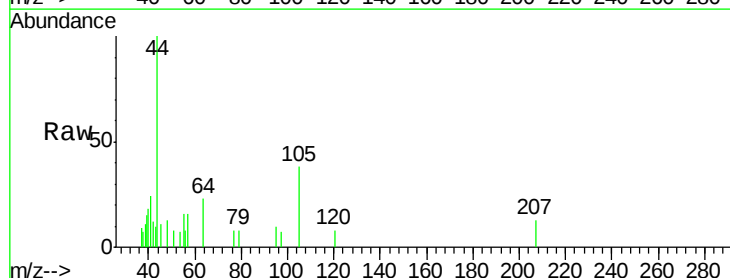
Acq: 30 May 2018 20:25

Tgt Ion:105 Resp: 389

Ion Ratio Lower Upper

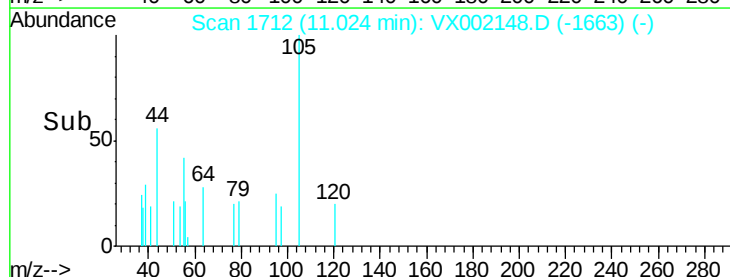
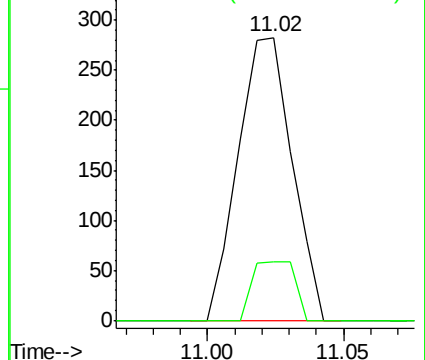
105 100

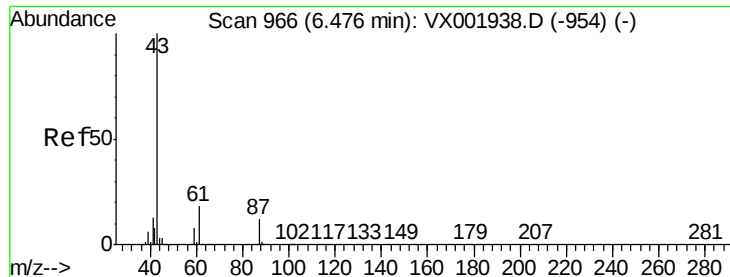
120 16.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK01

Tgt Ion: 43 Resp: 103

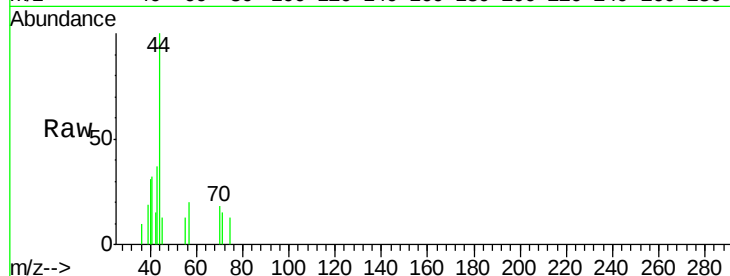
Ion Ratio Lower Upper

43 100

70 124.3 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

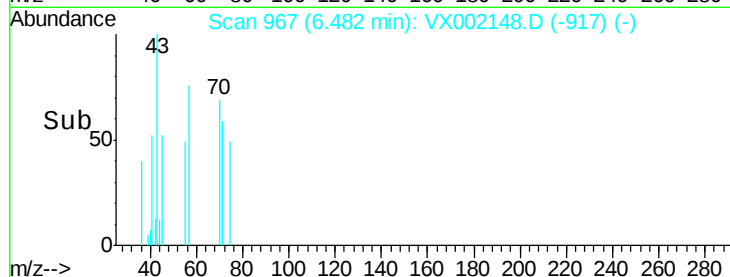
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

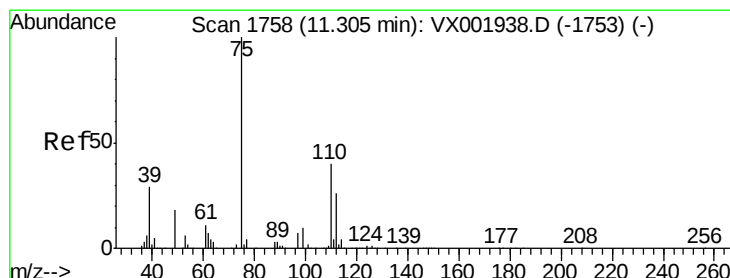
Ion 61.00 (60.70 to 61.70): VX0

Time-->

6.46 6.48 6.50



Time-->



#76

1,2,3-Trichloropropane

Concen: 830.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002148.D

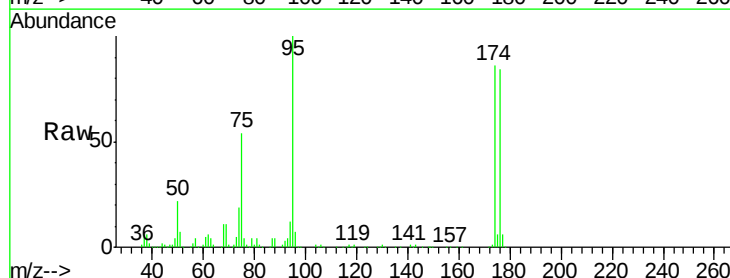
Acq: 30 May 2018 20:25

Tgt Ion: 75 Resp: 38956

Ion Ratio Lower Upper

75 100

77 1.5 22.8 68.3#

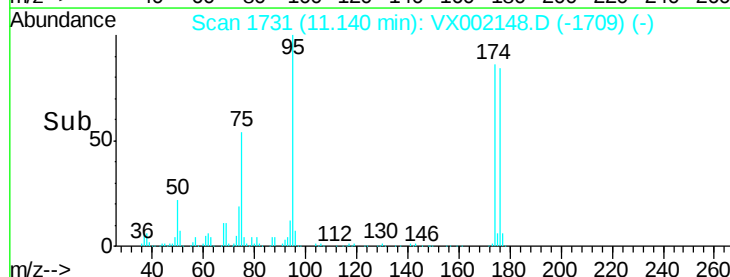


Abundance Ion 74.90 (74.60 to 75.60): VX0

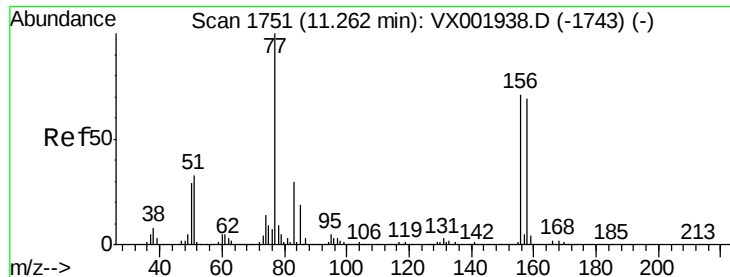
Ion 77.00 (76.70 to 77.70): VX0

Time-->

11.10 11.15 11.20



Time-->



#77

Bromobenzene

Concen: 1.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampled :

IBLK01

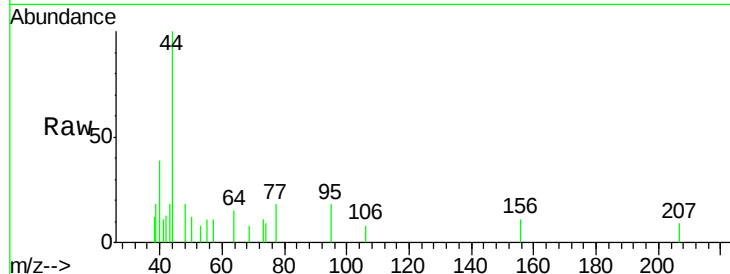
Tgt Ion:156 Resp: 45

Ion Ratio Lower Upper

156 100

77 426.7 75.2 225.6#

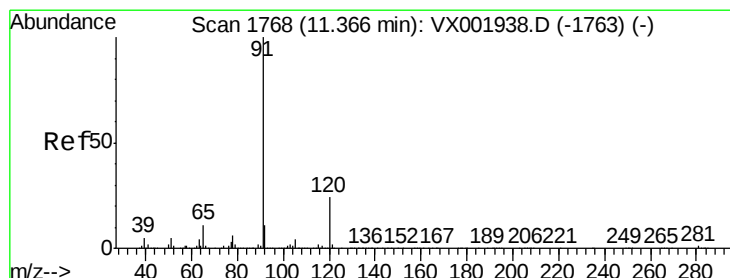
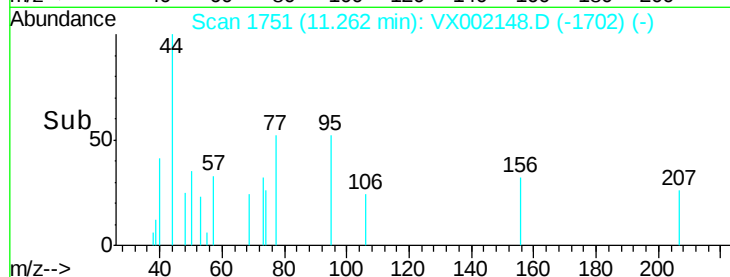
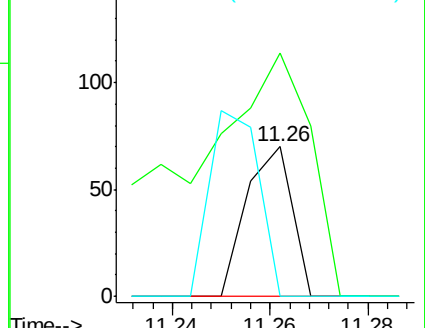
158 135.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.65 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002148.D

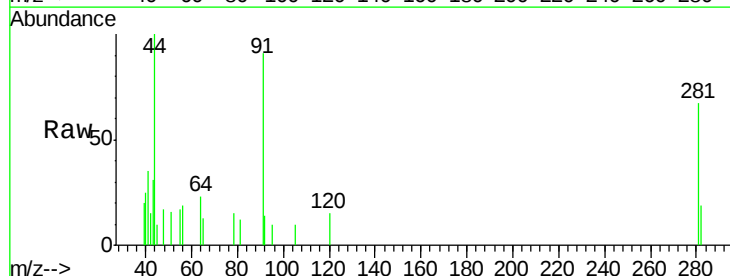
Acq: 30 May 2018 20:25

Tgt Ion: 91 Resp: 861

Ion Ratio Lower Upper

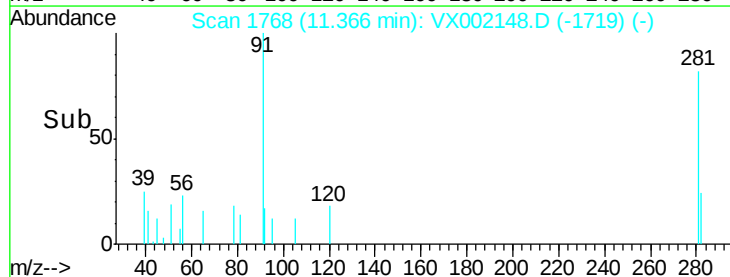
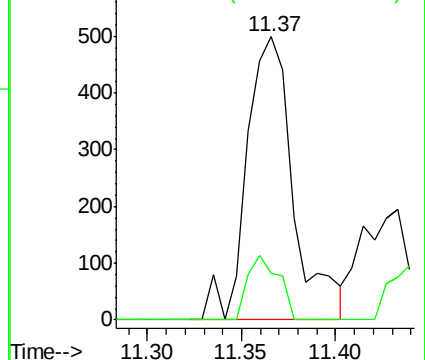
91 100

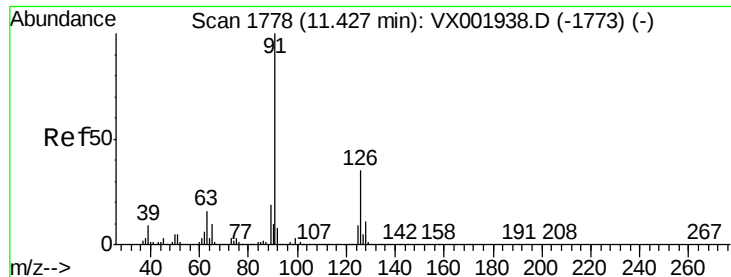
120 14.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

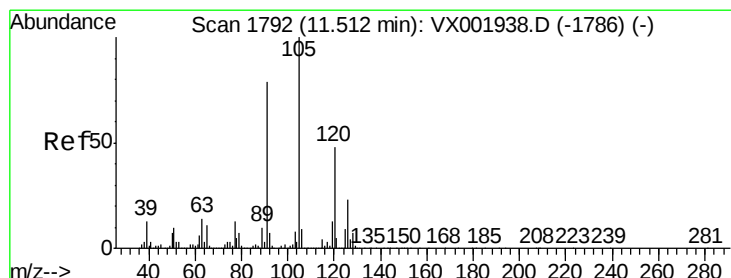
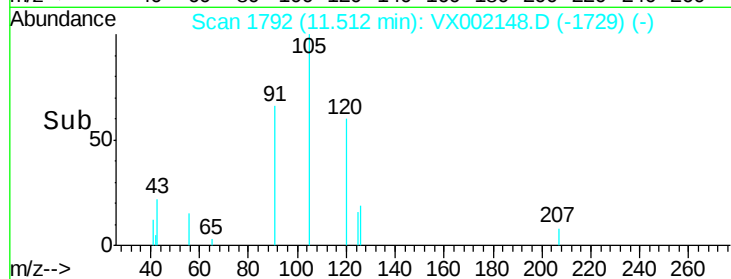
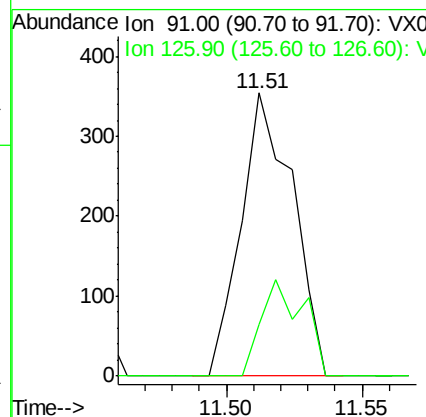
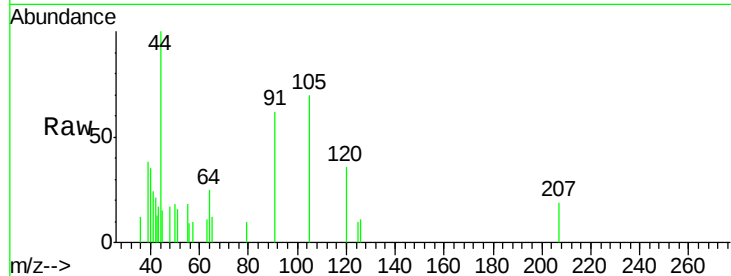




#79
 2-Chlorotoluene
 Concen: 2.39 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.09 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

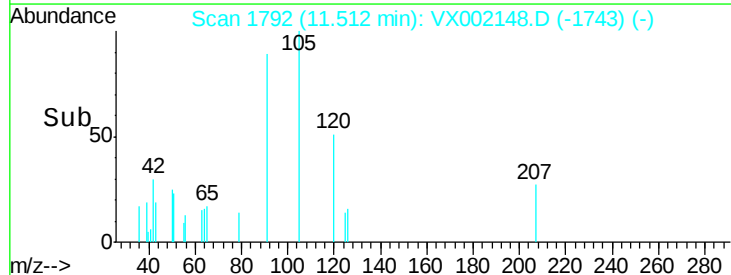
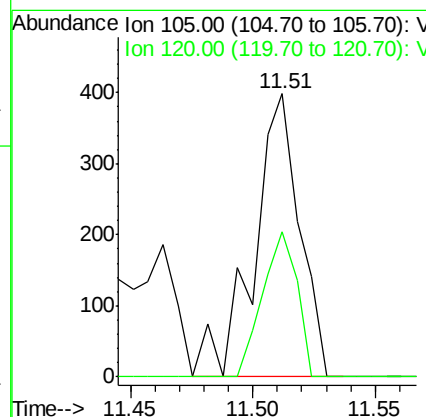
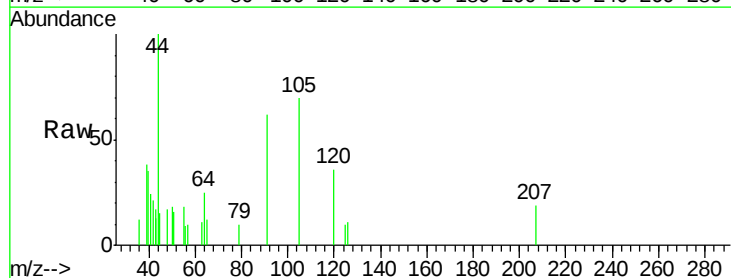
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK01

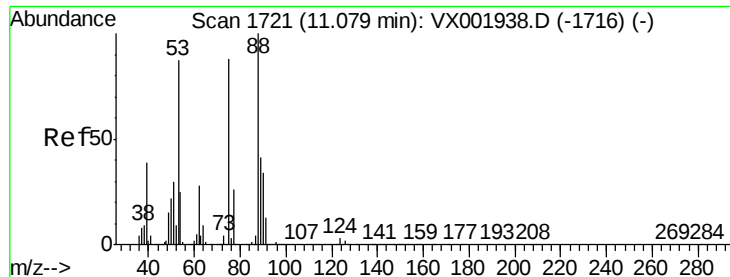
Tgt Ion: 91 Resp: 466
 Ion Ratio Lower Upper
 91 100
 126 27.7 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 3.70 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

Tgt Ion: 105 Resp: 522
 Ion Ratio Lower Upper
 105 100
 120 38.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 1996.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK01

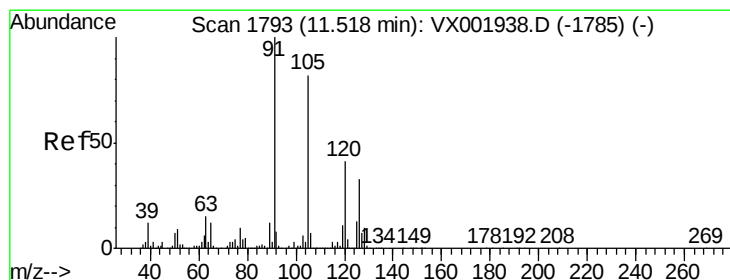
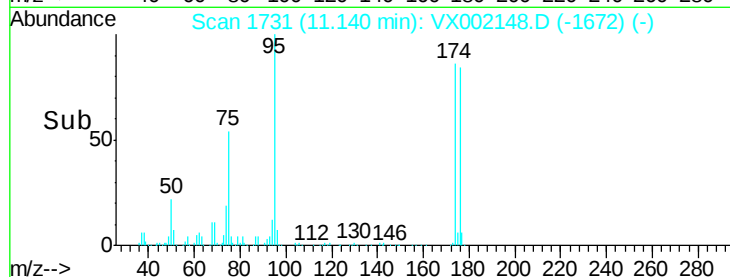
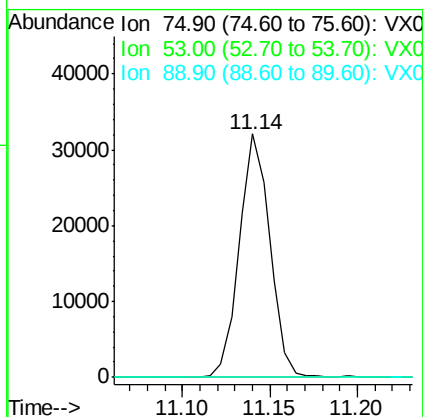
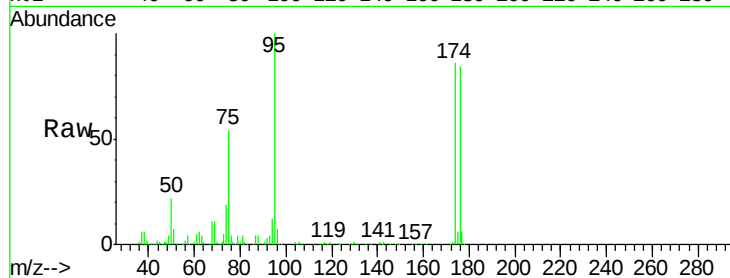
Tgt Ion: 75 Resp: 38956

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



#82

4-Chlorotoluene

Concen: 3.57 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002148.D

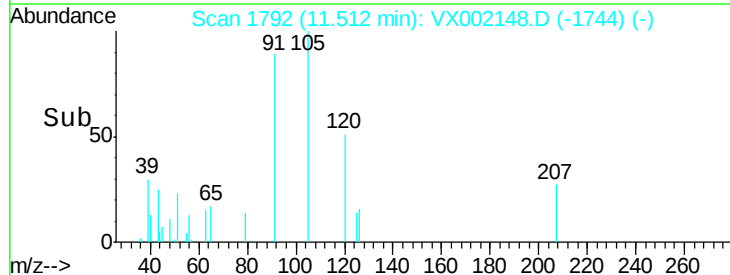
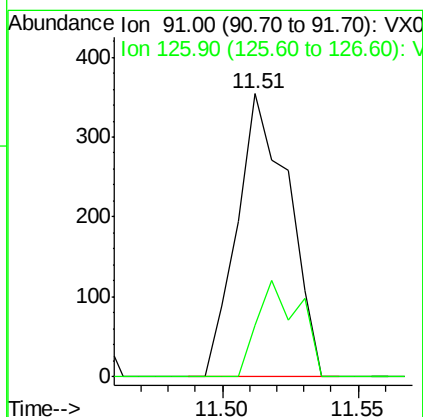
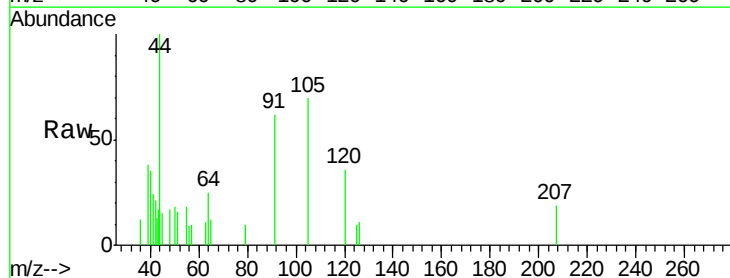
Acq: 30 May 2018 20:25

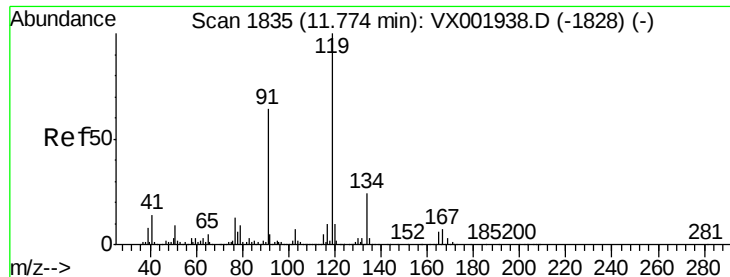
Tgt Ion: 91 Resp: 466

Ion Ratio Lower Upper

91 100

126 27.7 15.3 45.8

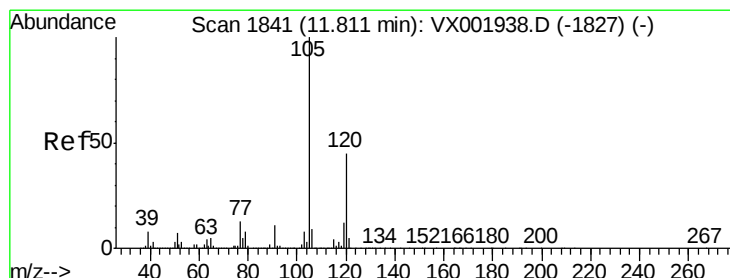
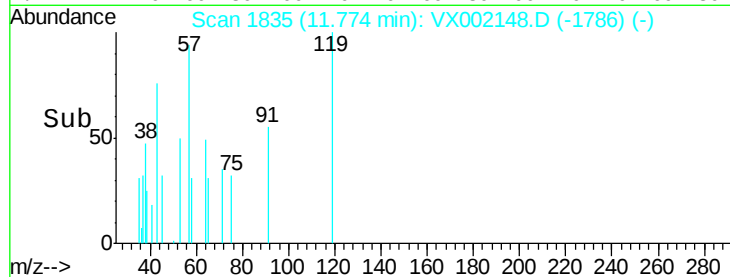
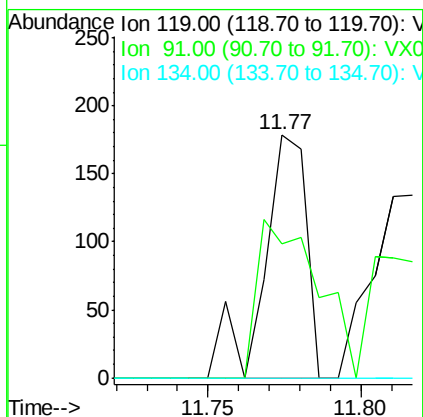
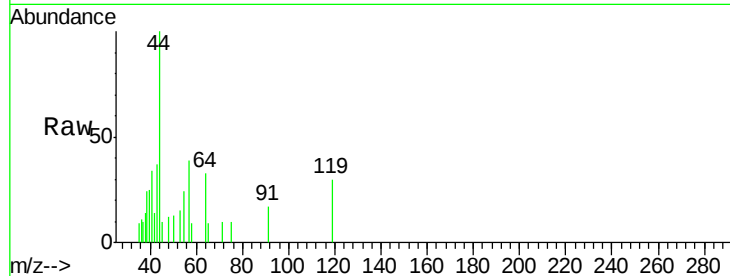




#83
 tert-Butylbenzene
 Concen: 1.26 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

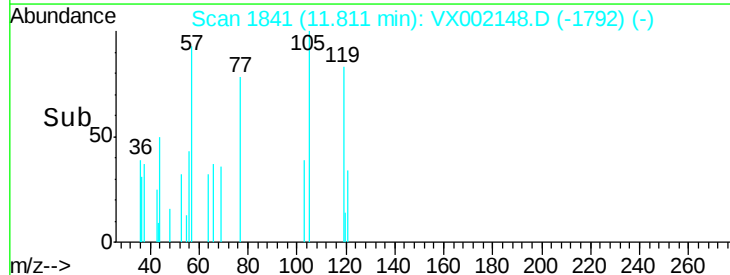
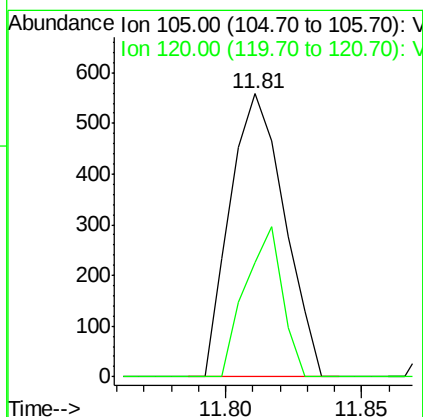
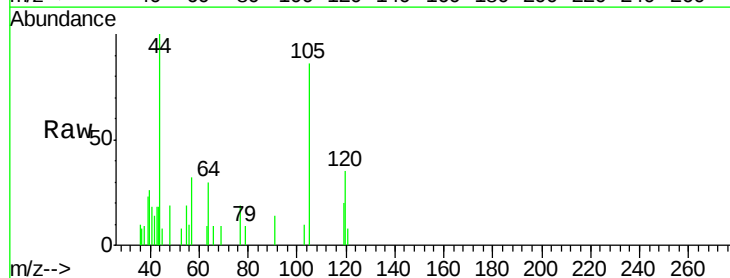
Instrument :
 MSVOA_X
 ClientSampleID :
 IBLK01

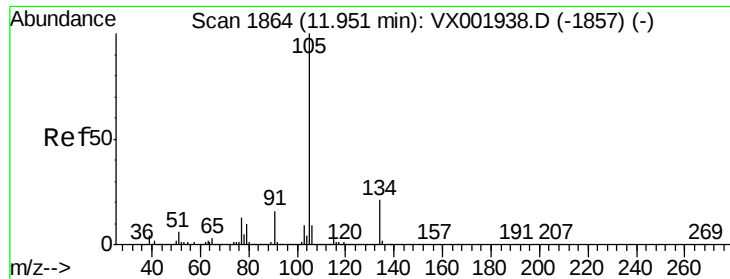
Tgt Ion:119 Resp: 174
 Ion Ratio Lower Upper
 119 100
 91 92.5 30.6 91.8#
 134 0.0 11.7 35.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 5.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

Tgt Ion:105 Resp: 775
 Ion Ratio Lower Upper
 105 100
 120 36.0 22.1 66.5

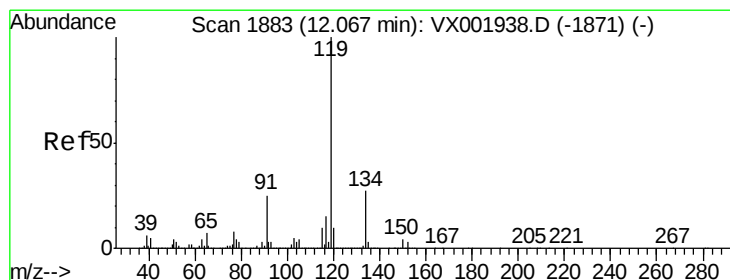
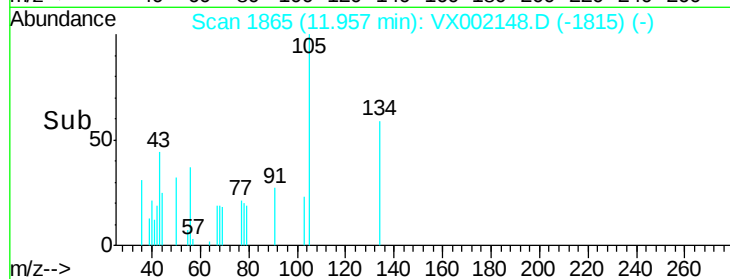
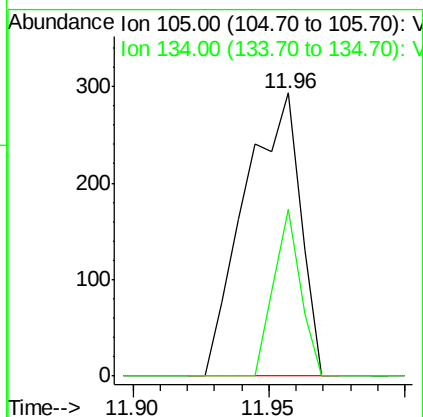
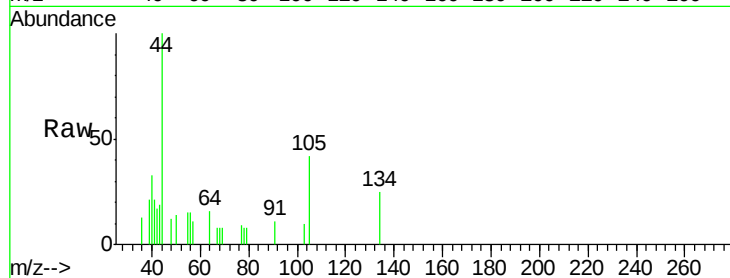




#85
 sec-Butylbenzene
 Concen: 2.49 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.01 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

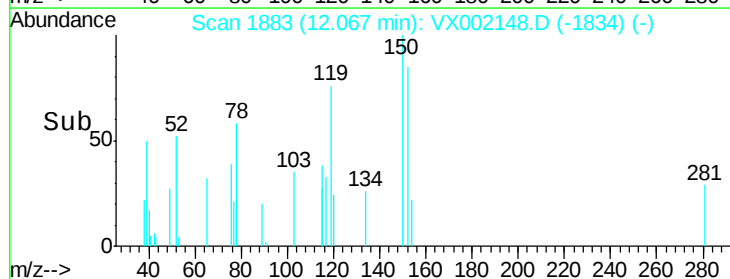
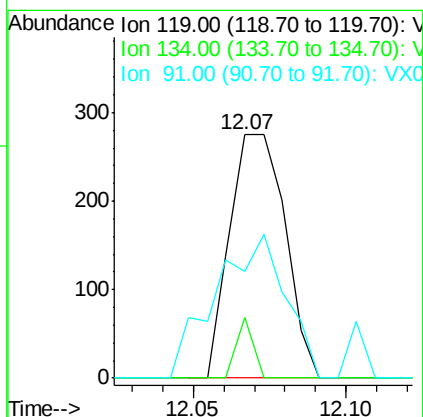
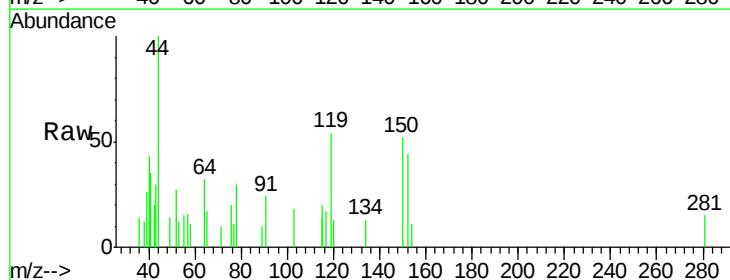
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK01

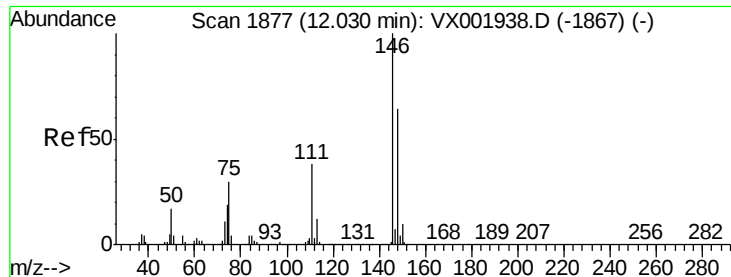
Tgt Ion:105 Resp: 415
 Ion Ratio Lower Upper
 105 100
 134 28.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 2.31 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

Tgt Ion:119 Resp: 345
 Ion Ratio Lower Upper
 119 100
 134 7.2 13.6 40.8#
 91 75.4 12.2 36.4#

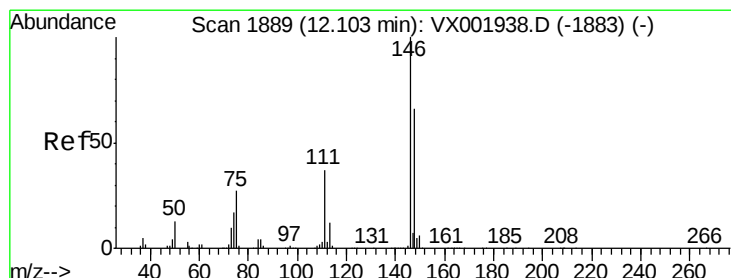
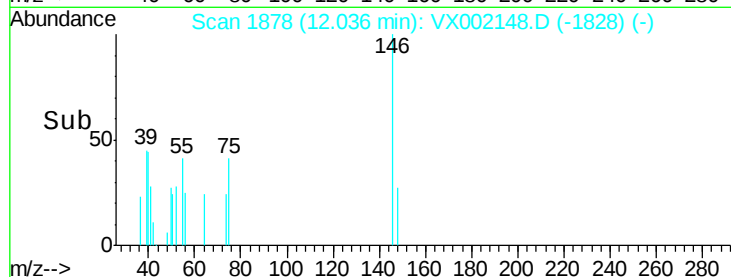
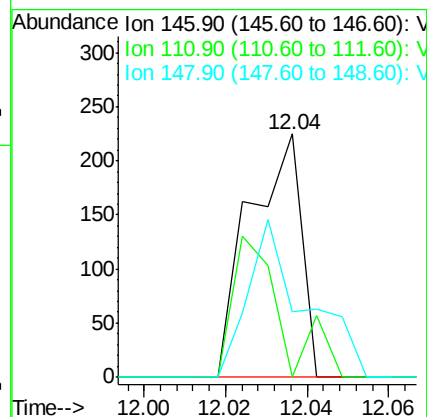
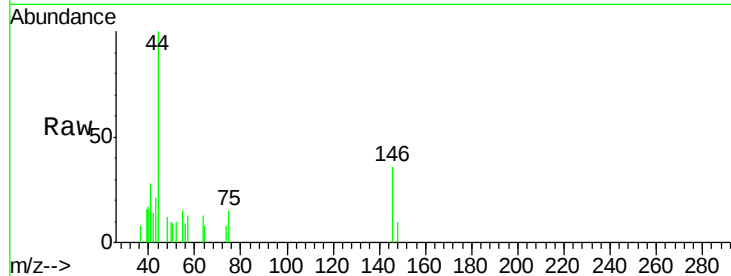




#87
 1,3-Dichlorobenzene
 Concen: 2.53 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

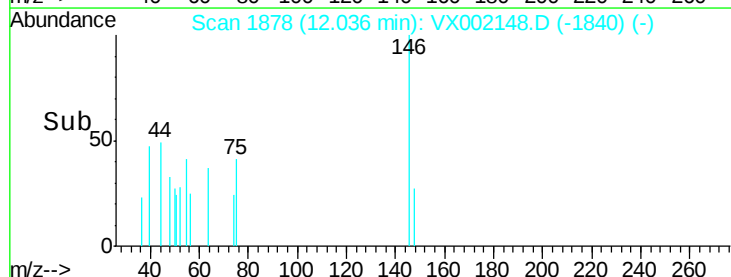
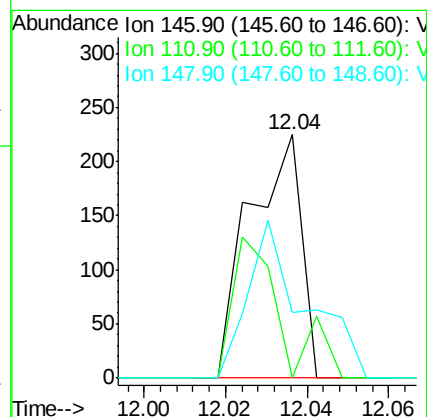
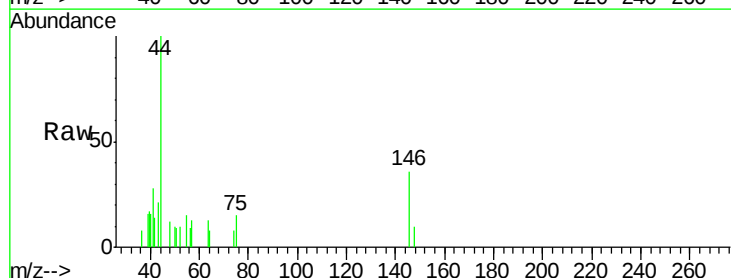
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK01

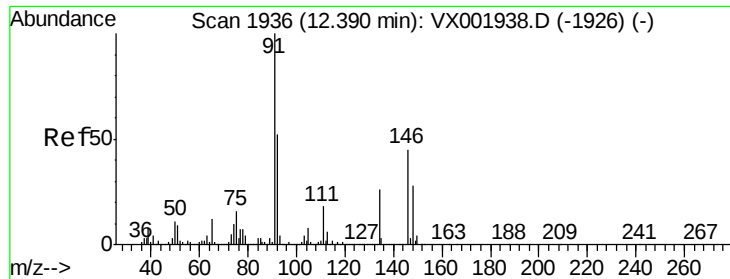
Tgt Ion:146 Resp: 199
 Ion Ratio Lower Upper
 146 100
 111 53.3 19.3 57.8
 148 70.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.53 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.07 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

Tgt Ion:146 Resp: 199
 Ion Ratio Lower Upper
 146 100
 111 53.3 18.9 56.5
 148 70.4 32.3 96.8





#89

n-Butylbenzene

Concen: 4.89 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK01

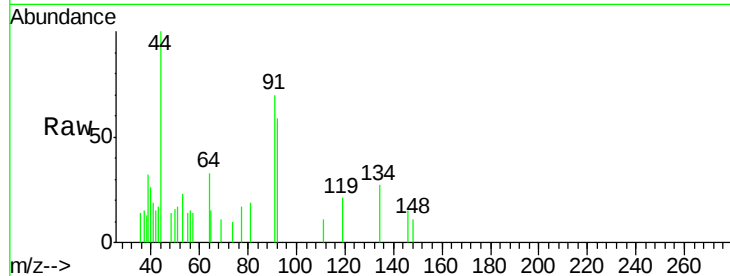
Tgt Ion: 91 Resp: 618

Ion Ratio Lower Upper

91 100

92 54.0 26.3 78.9

134 29.9 13.6 40.7



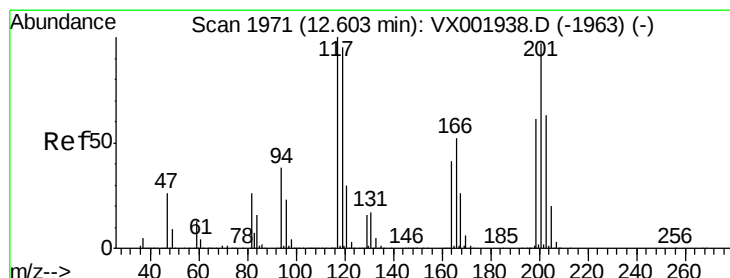
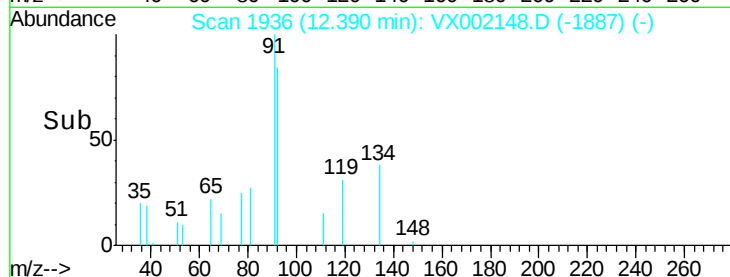
Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1926) (-)

Ion 92.00 (91.70 to 92.70): VX001938.D (-1926) (-)

Ion 134.00 (133.70 to 134.70): VX001938.D (-1926) (-)

Time-->

12.35 12.40 12.45



#90

Hexachloroethane

Concen: 0.71 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002148.D

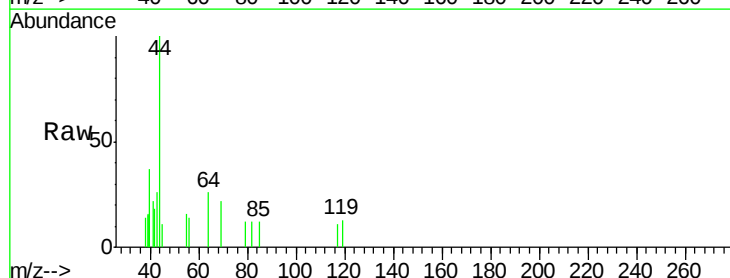
Acq: 30 May 2018 20:25

Tgt Ion: 117 Resp: 21

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.0#

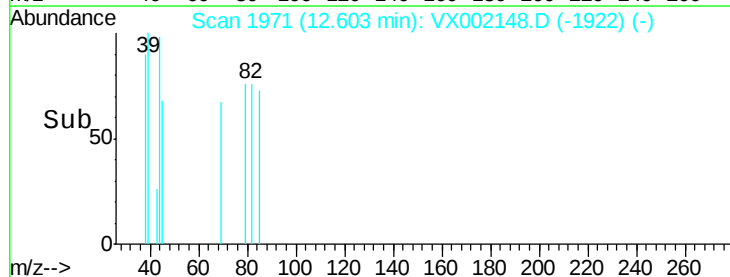


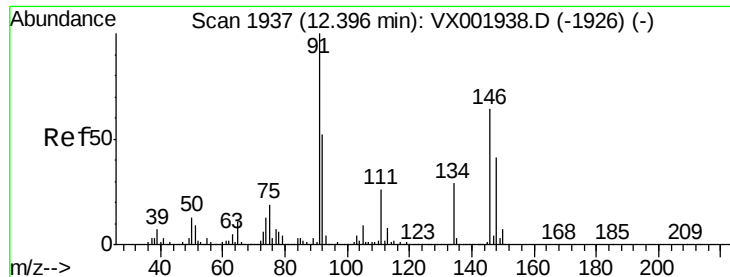
Abundance Ion 116.80 (116.50 to 117.50): VX001938.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX001938.D (-1963) (-)

Time-->

12.58 12.60 12.62





#91

1,2-Dichlorobenzene

Concen: 1.60 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK01

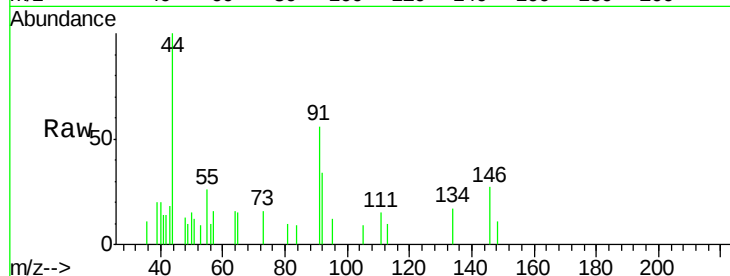
Tgt Ion:146 Resp: 128

Ion Ratio Lower Upper

146 100

111 79.7 19.8 59.3#

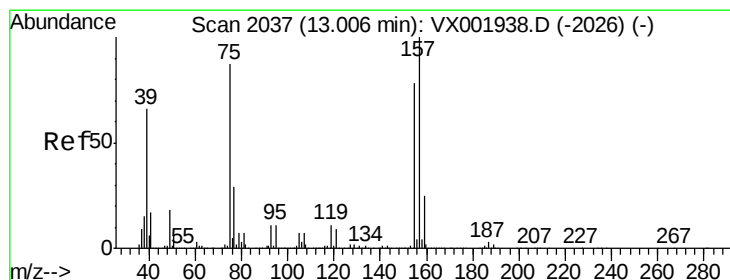
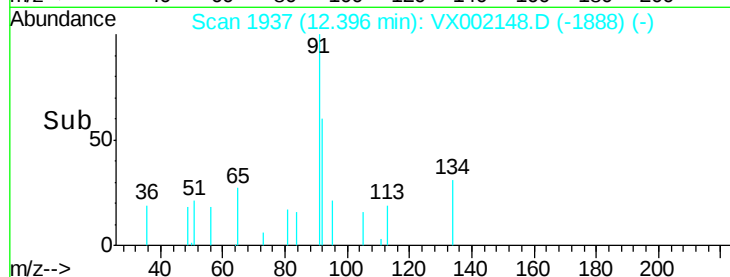
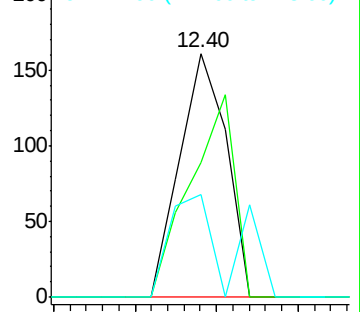
148 53.9 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.84 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.20 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

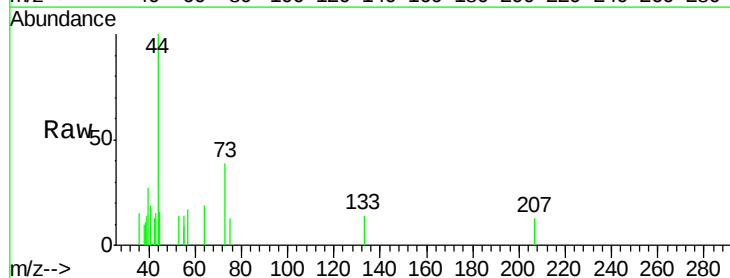
Tgt Ion: 75 Resp: 27

Ion Ratio Lower Upper

75 100

155 0.0 45.1 135.2#

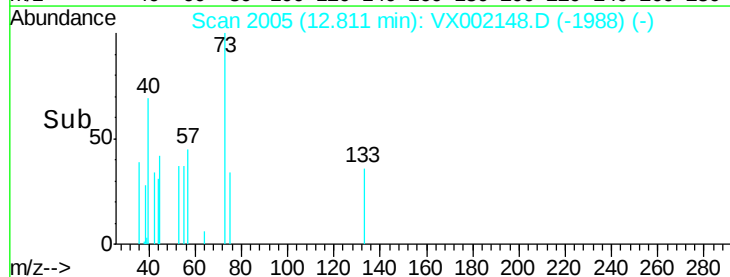
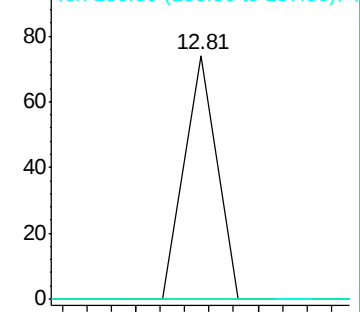
157 0.0 58.1 174.2#

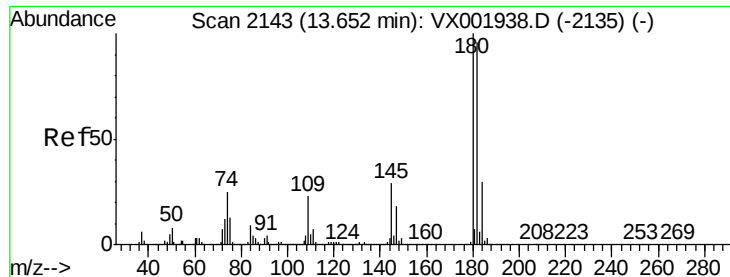


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

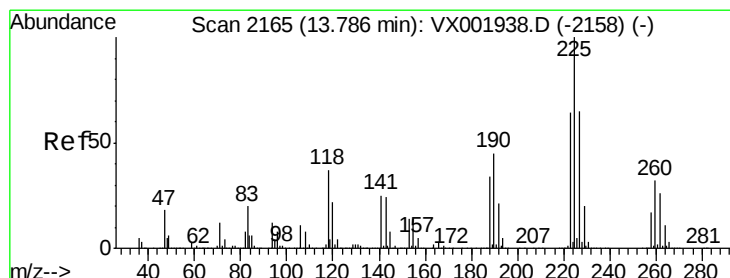
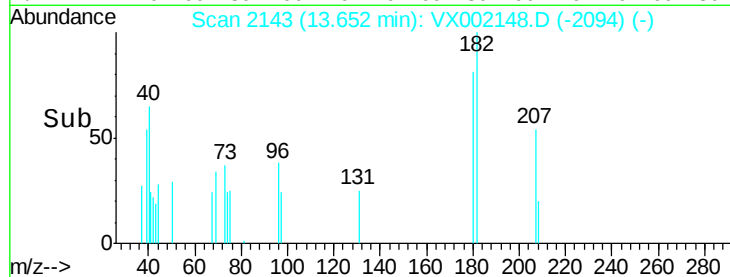
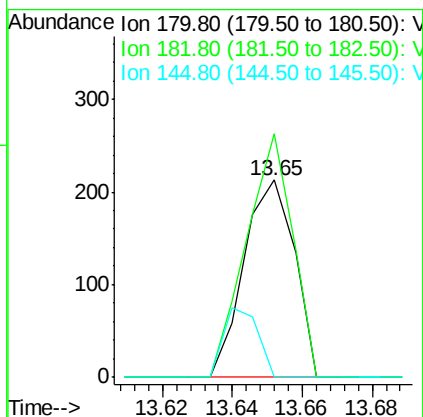
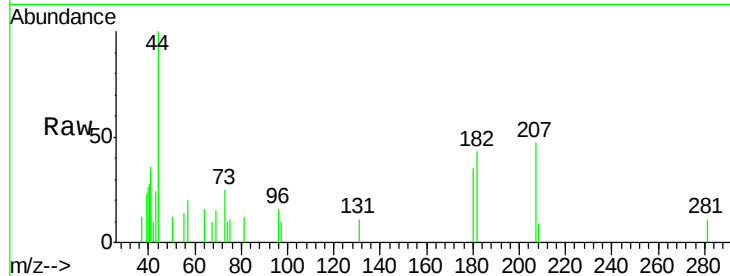




#93
 1,2,4-Trichlorobenzene
 Concen: 3.70 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

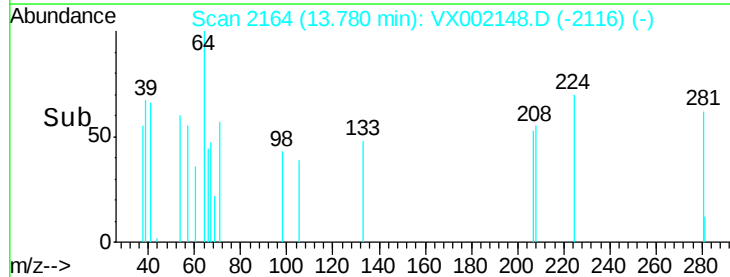
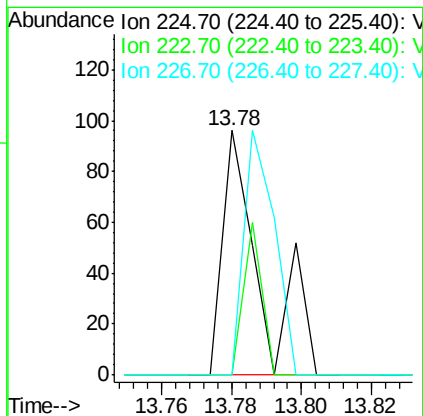
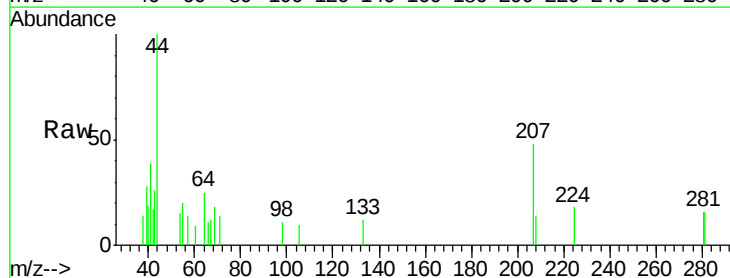
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK01

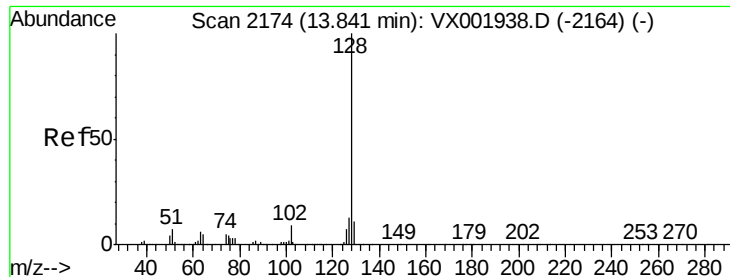
Tgt Ion:180 Resp: 212
 Ion Ratio Lower Upper
 180 100
 182 113.7 47.7 143.1
 145 24.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 2.37 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX002148.D
 Acq: 30 May 2018 20:25

Tgt Ion:225 Resp: 73
 Ion Ratio Lower Upper
 225 100
 223 30.1 31.1 93.5#
 227 79.5 32.1 96.5





#95

Naphthalene

Concen: 3.65 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK01

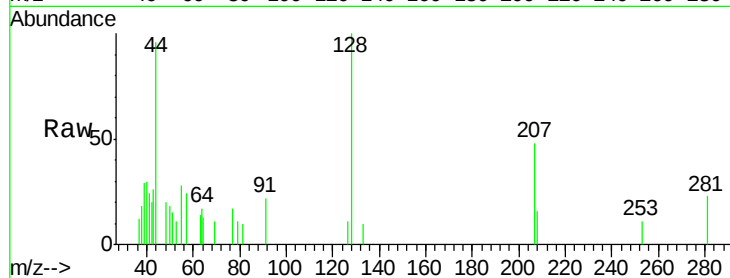
Tgt Ion:128 Resp: 643

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

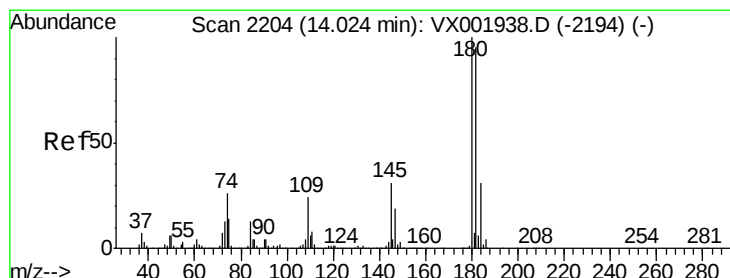
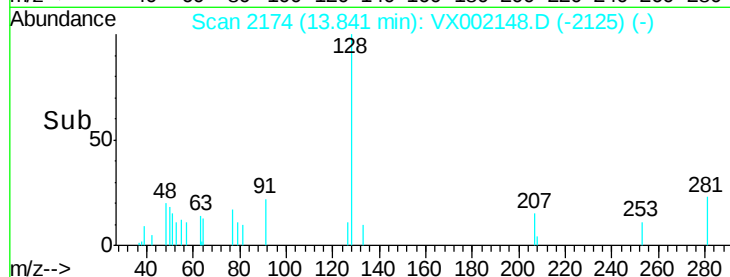
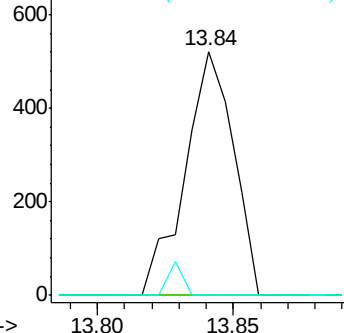
129 4.2 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.94 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002148.D

Acq: 30 May 2018 20:25

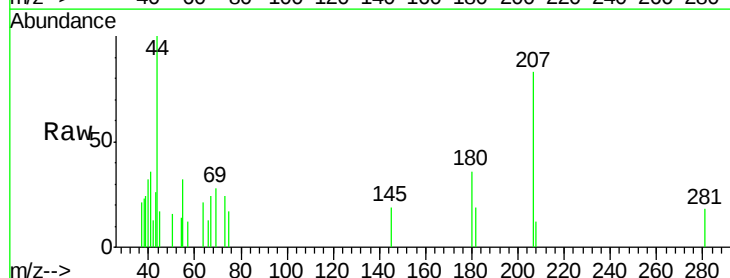
Tgt Ion:180 Resp: 174

Ion Ratio Lower Upper

180 100

182 37.4 47.9 143.6#

145 29.9 15.1 45.3



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

