

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002159.D
 Acq On : 31 May 2018 02:10
 Operator : JC/MD
 Sample : VX0530WBL03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL03

Quant Time: May 31 06:36:38 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	270944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	383014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	183683	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	194635	40.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.38%	
35) Dibromofluoromethane	5.51	113	143588	37.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.98%	
50) Toluene-d8	8.72	98	576004	41.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.08%	
62) 4-Bromofluorobenzene	11.14	95	199838	36.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.66%	

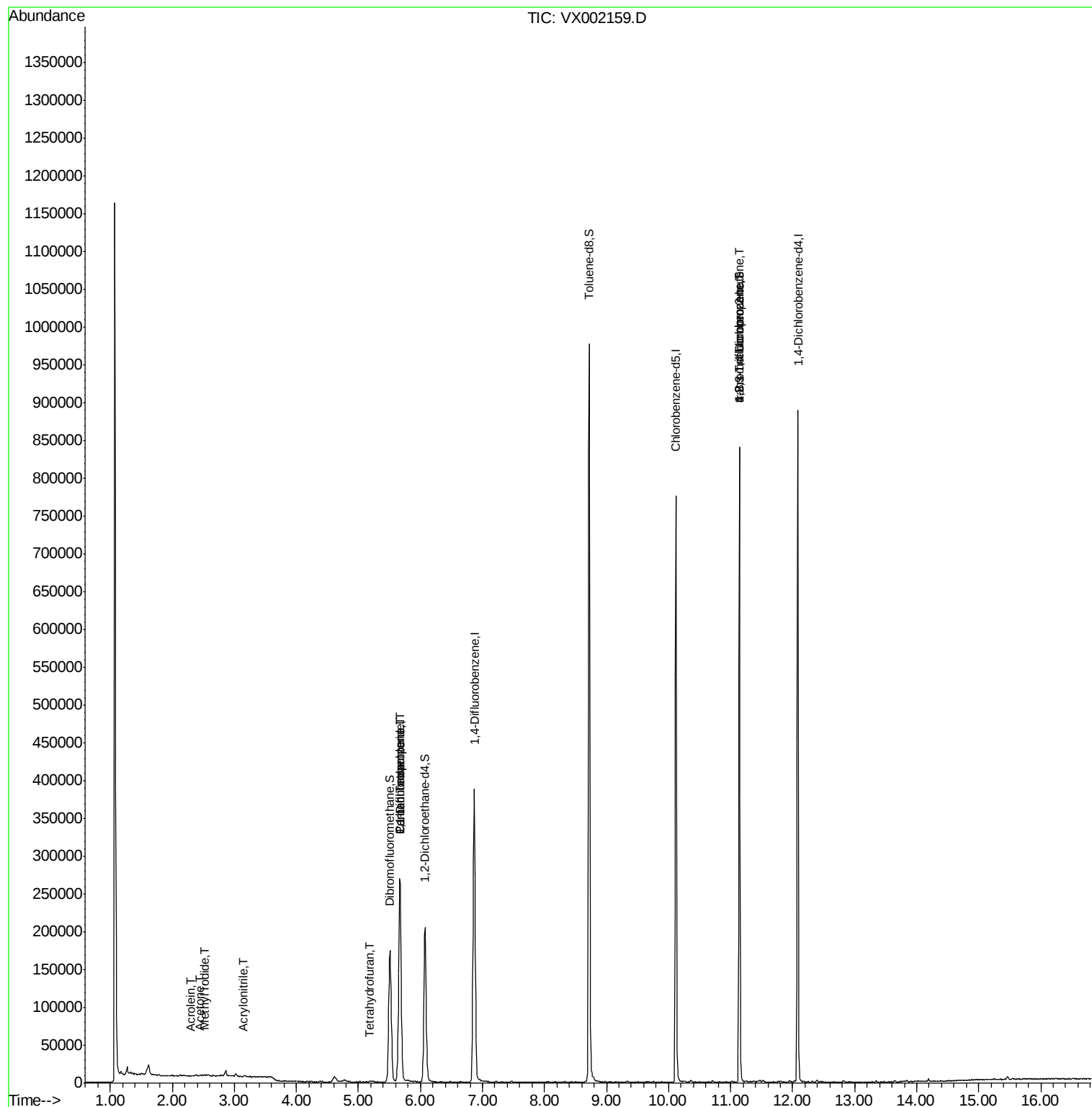
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	131	Below Cal	#	41
5) Bromomethane	1.65	94	1256	Below Cal	#	78
10) Methyl Iodide	2.52	142	2007	0.44	ug/l	89
13) Acrolein	2.29	56	138	0.34	ug/l	48
15) Acrylonitrile	3.14	53	549	0.28	ug/l	29
16) Acetone	2.45	43	1441	0.77	ug/l	90
18) Methyl Acetate	2.79	43	829	Below Cal	#	55
20) Methylene Chloride	2.86	84	3440	Below Cal	#	93
21) trans-1,2-Dichloroethene	3.16	96	555	Below Cal	#	52
28) Bromochloromethane	5.03	49	173	Below Cal	#	14
29) Tetrahydrofuran	5.19	42	1027	0.46	ug/l	50
36) 1,1-Dichloropropene	5.67	75	19498	3.66	ug/l	51
38) Carbon Tetrachloride	5.67	117	25310	4.07	ug/l	13
41) Methacrylonitrile	5.04	41	49	Below Cal	#	1
74) N-amyl acetate	6.47	43	282	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.27	83	78	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	106008	24.03	ug/l	33
79) 2-Chlorotoluene	11.43	91	546	Below Cal	#	91
81) trans-1,4-Dichloro-2-buten	11.14	75	106008	57.75	ug/l	10

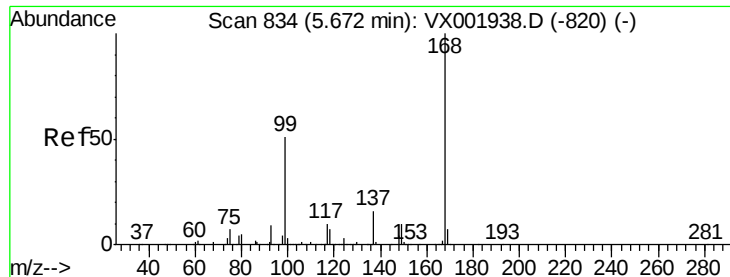
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

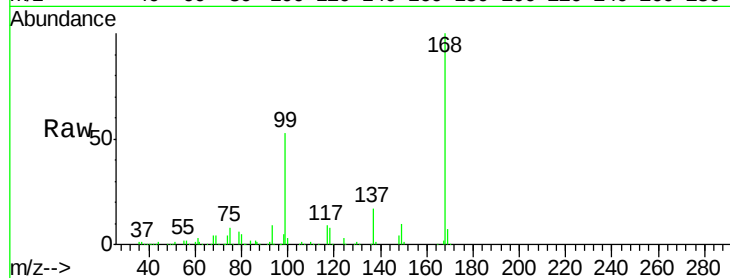
VX0530WBL03

Tgt Ion:168 Resp: 270944

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

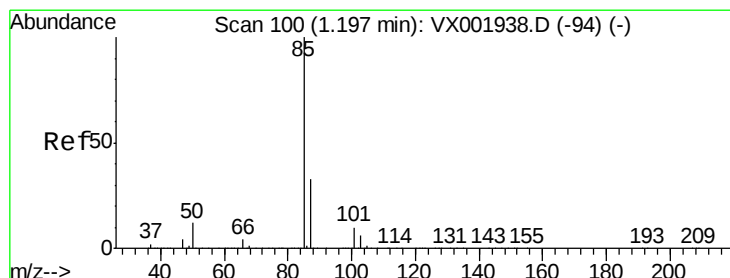
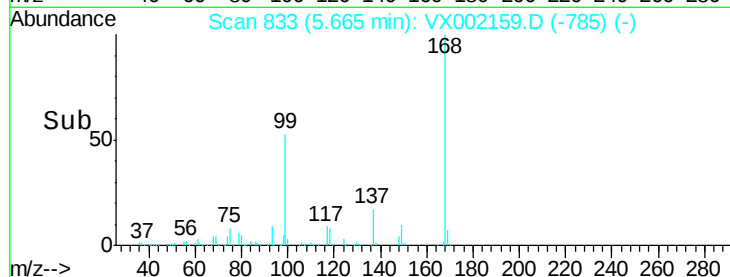
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002159.D

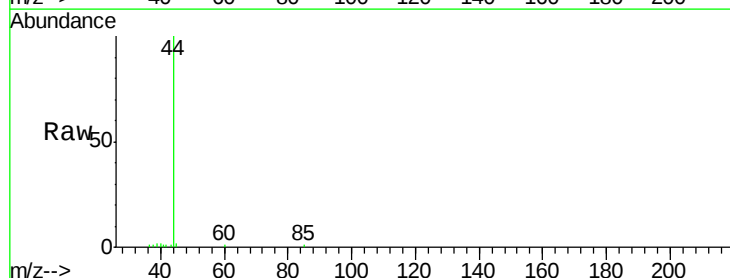
Acq: 31 May 2018 02:10

Tgt Ion: 85 Resp: 131

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

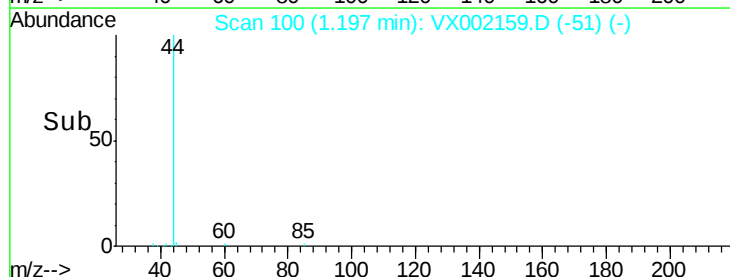
150

100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

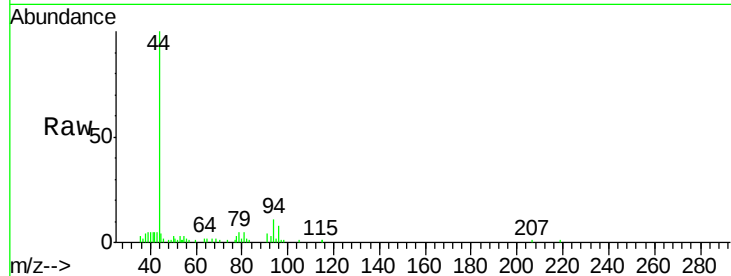
VX0530WBL03

Tgt Ion: 94 Resp: 1256

Ion Ratio Lower Upper

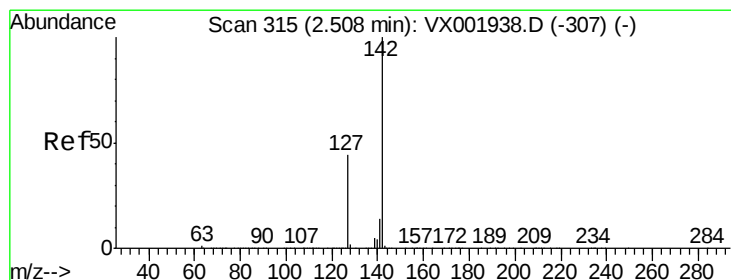
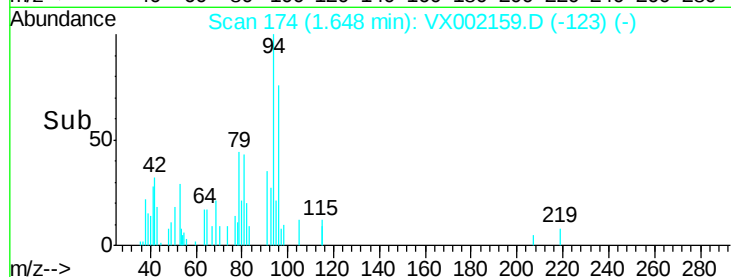
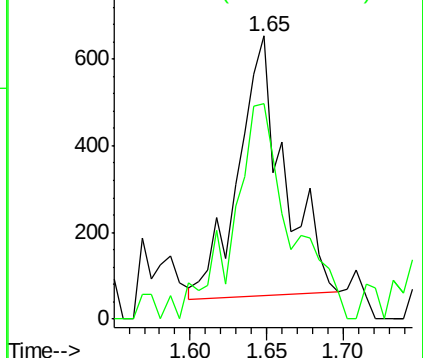
94 100

96 73.4 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

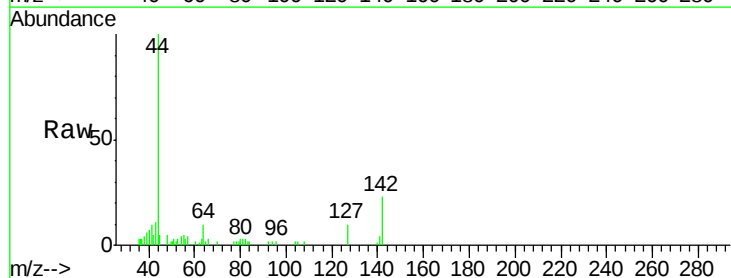
Tgt Ion: 142 Resp: 2007

Ion Ratio Lower Upper

142 100

127 46.6 35.5 53.3

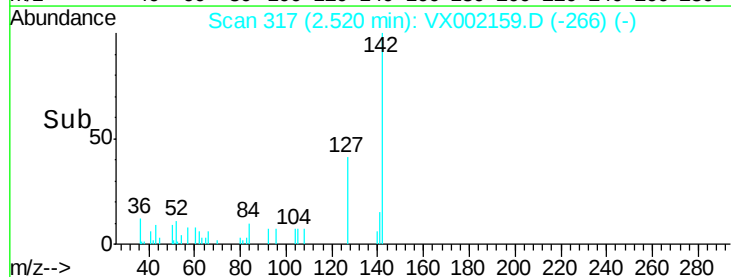
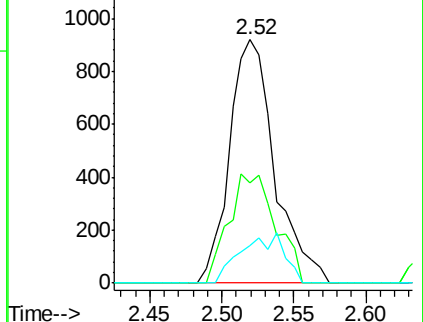
141 0.0 11.3 16.9#

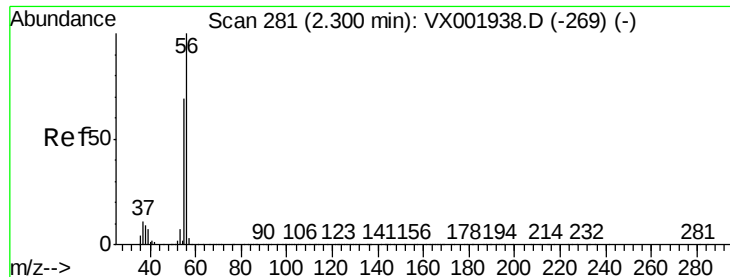


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

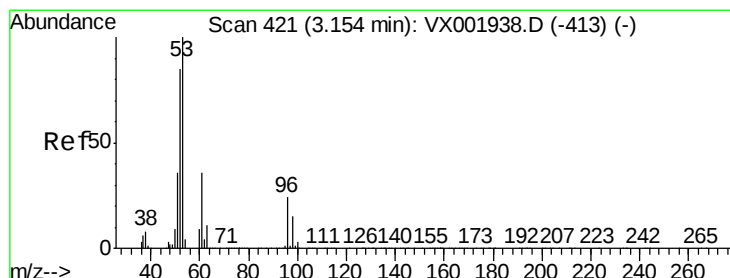
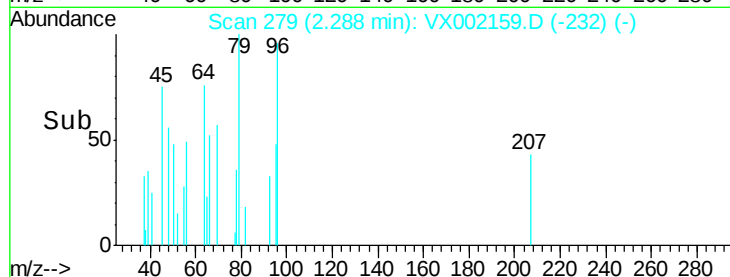
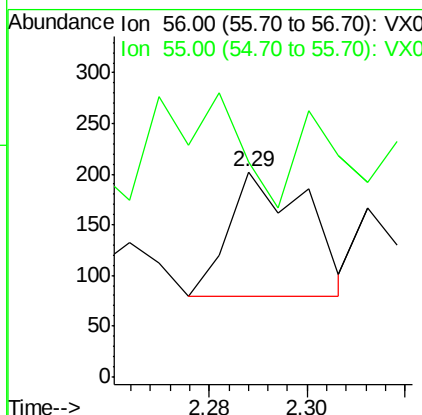
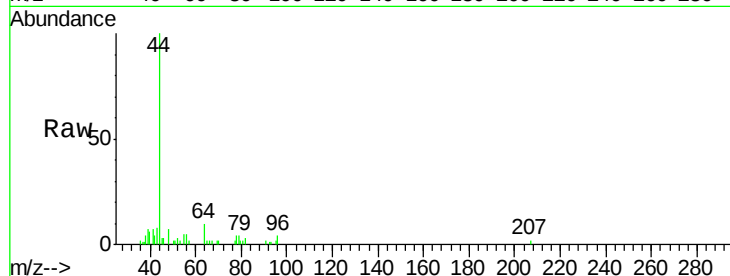




#13
Acrolein
Concen: 0.34 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

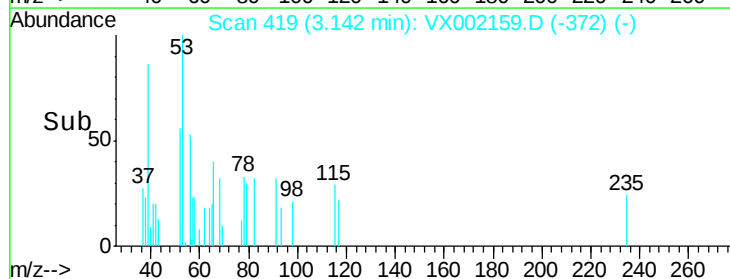
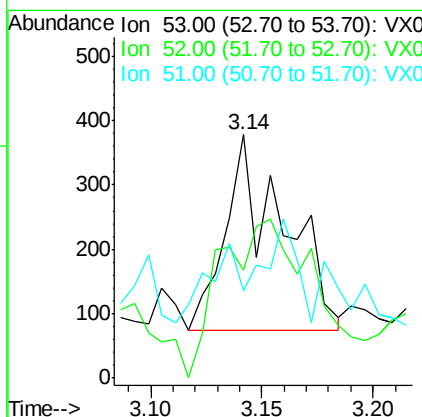
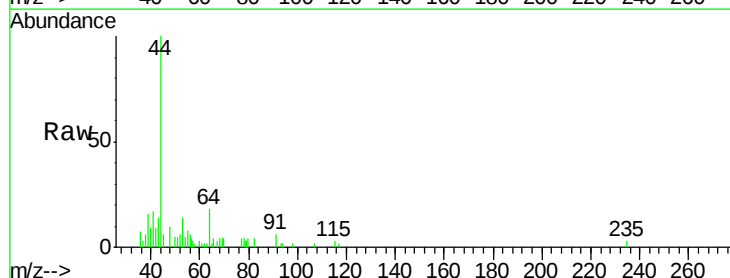
Instrument :
MSVOA_X
ClientSampled :
VX0530WBL03

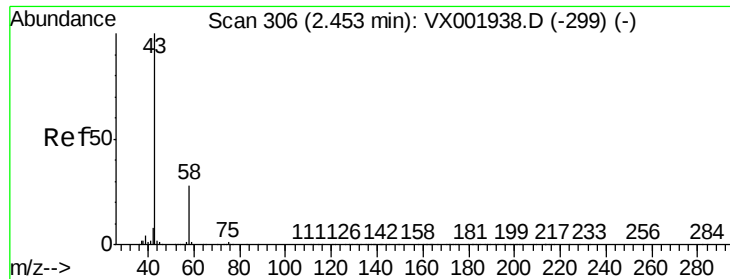
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 113.8 56.8 85.2#



#15
Acrylonitrile
Concen: 0.28 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

Tgt Ion: 53 Resp: 549
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 22.8 29.3 43.9#





#16

Acetone

Concen: 0.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

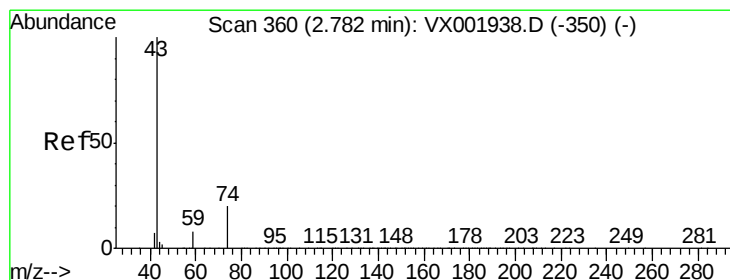
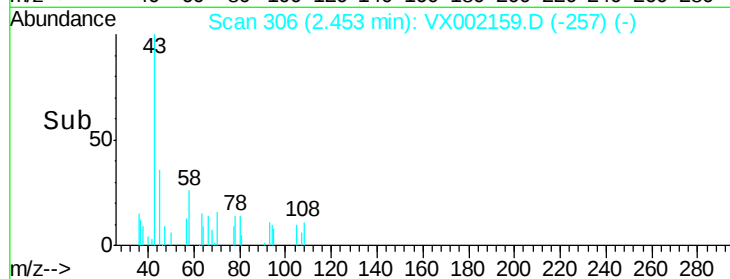
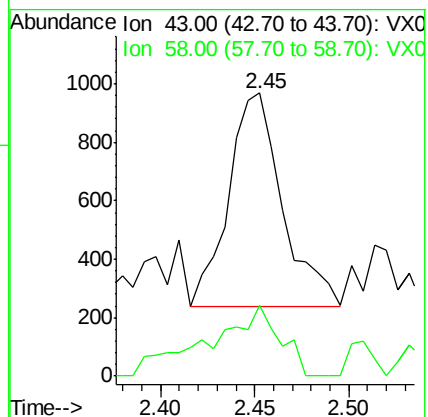
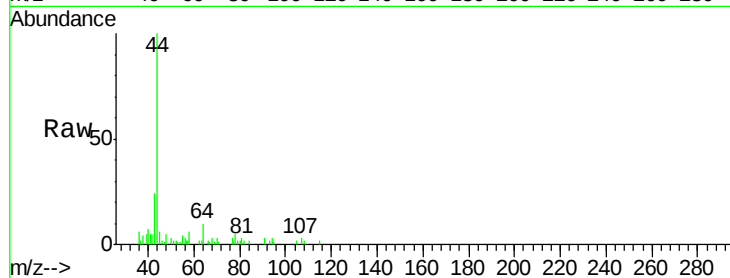
VX0530WBL03

Tgt Ion: 43 Resp: 1441

Ion Ratio Lower Upper

43 100

58 33.2 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002159.D

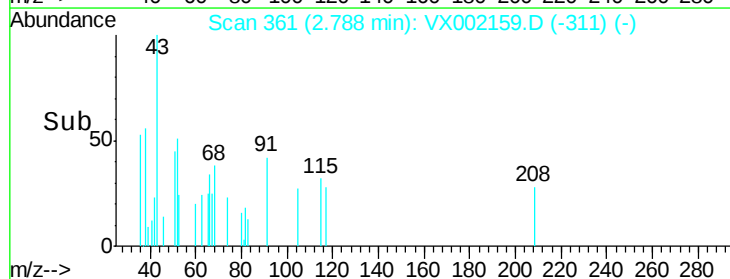
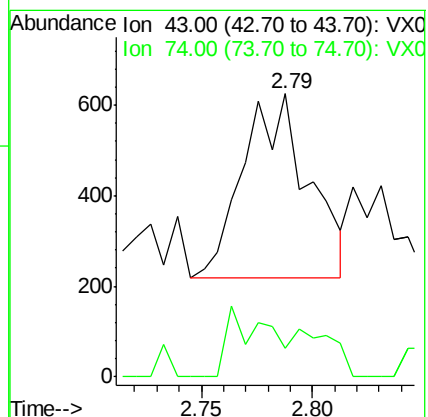
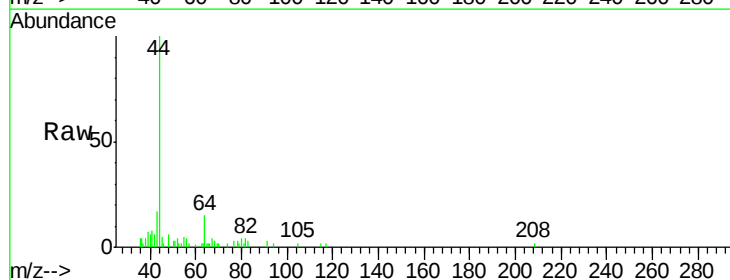
Acq: 31 May 2018 02:10

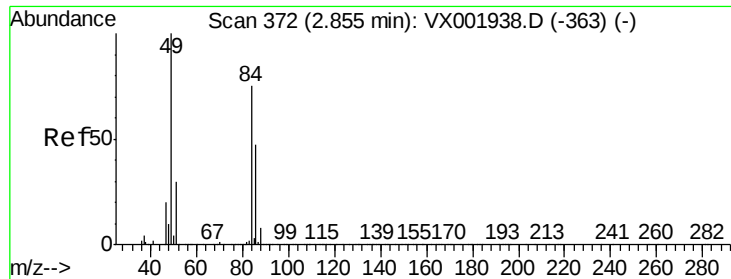
Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#

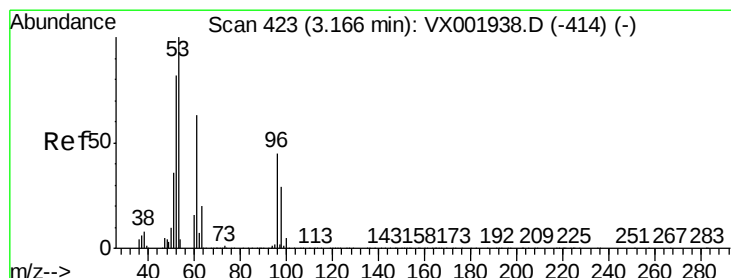
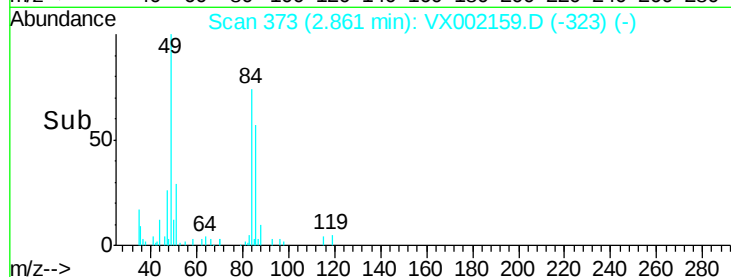
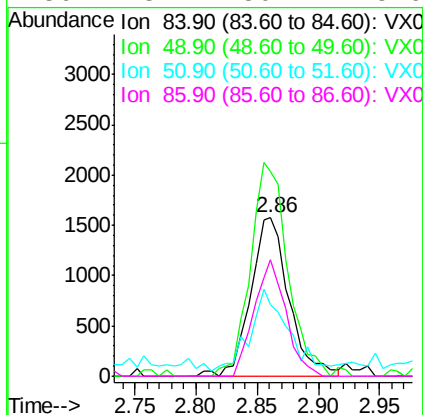
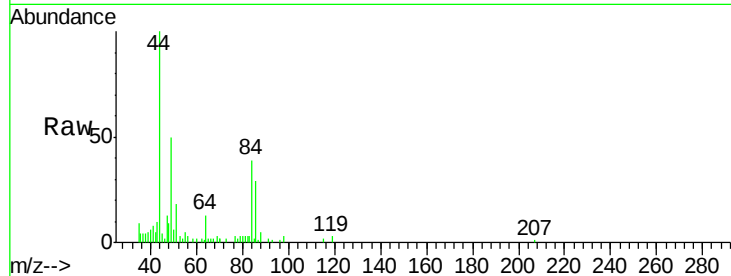




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

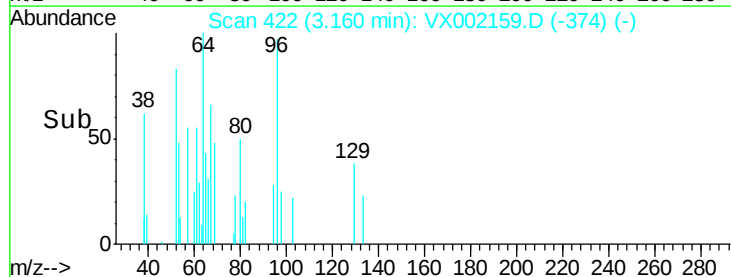
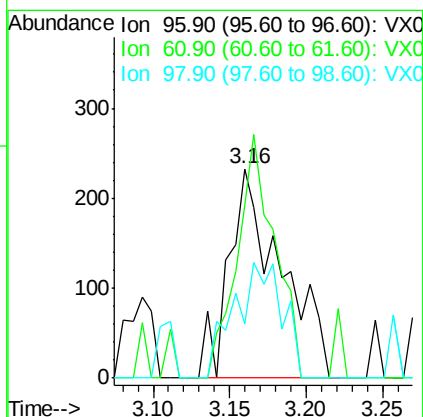
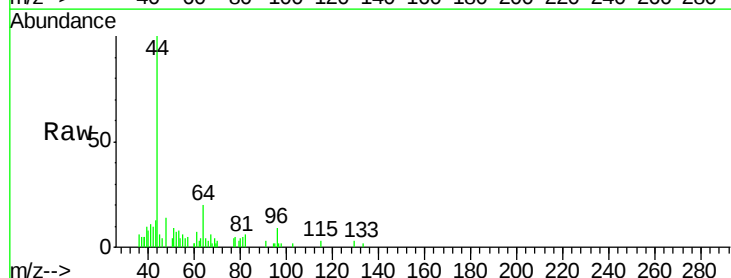
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL03

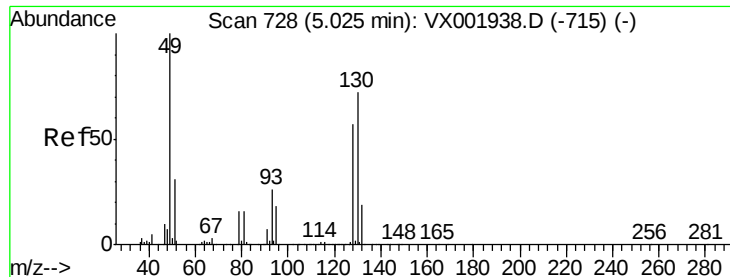
Tgt Ion: 84 Resp: 3440
Ion Ratio Lower Upper
84 100
49 129.1 107.2 160.8
51 37.5 32.4 48.6
86 73.7 50.4 75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

Tgt Ion: 96 Resp: 555
Ion Ratio Lower Upper
96 100
61 82.8 113.3 169.9#
98 26.2 51.7 77.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampled :

VX0530WBL03

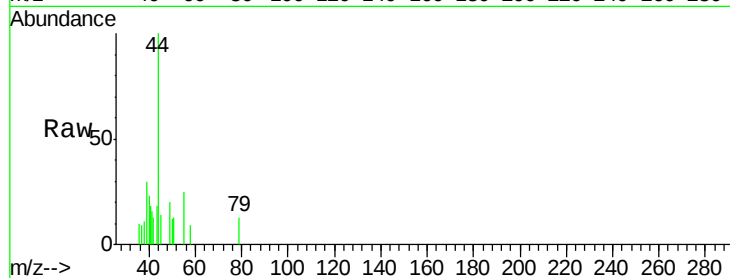
Tgt Ion: 49 Resp: 173

Ion Ratio Lower Upper

49 100

129 11.6 0.0 3.8#

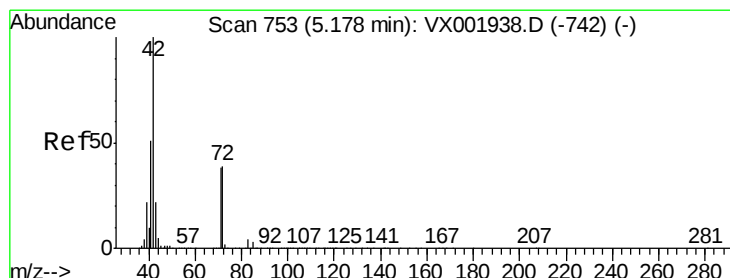
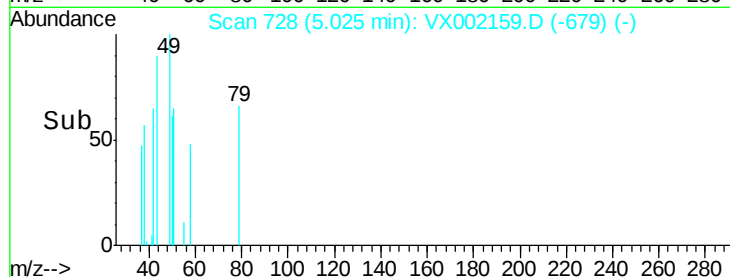
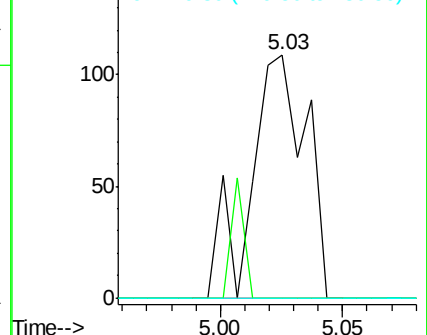
130 0.0 59.4 89.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

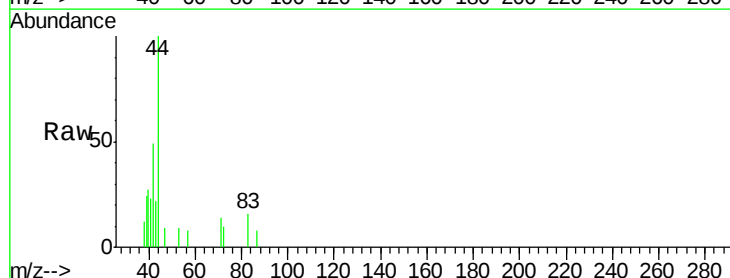
Tgt Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 15.0 31.4 47.0#

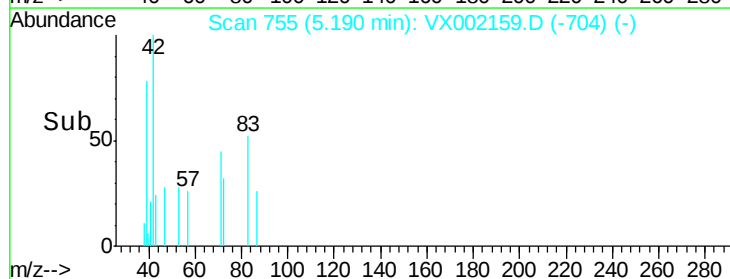
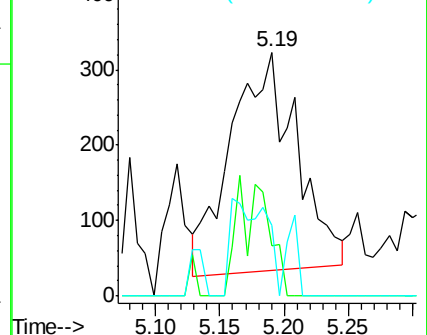
71 0.0 29.5 44.3#

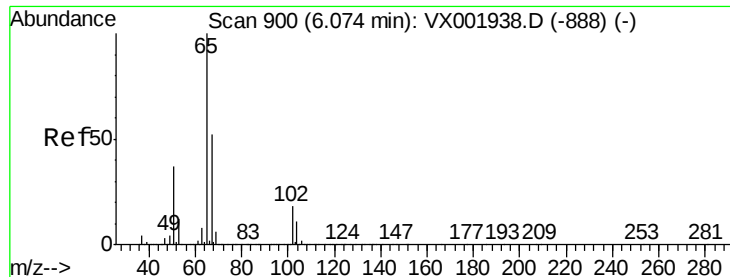


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 40.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

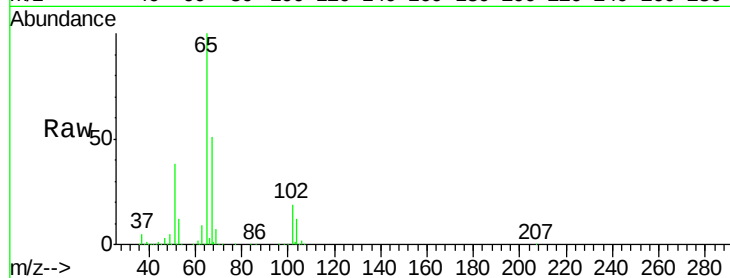
VX0530WBL03

Tgt Ion: 65 Resp: 194635

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

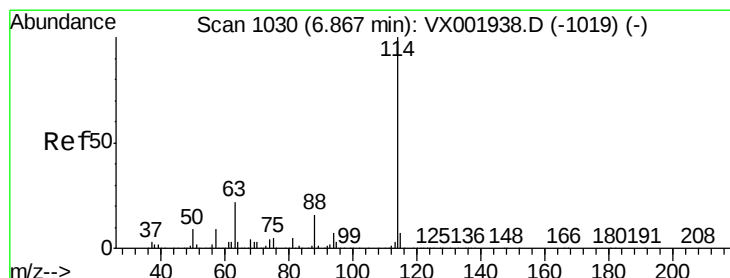
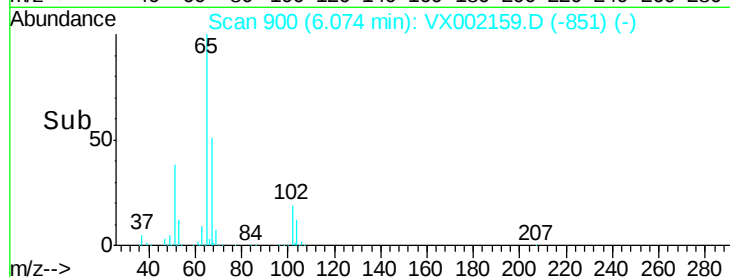
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

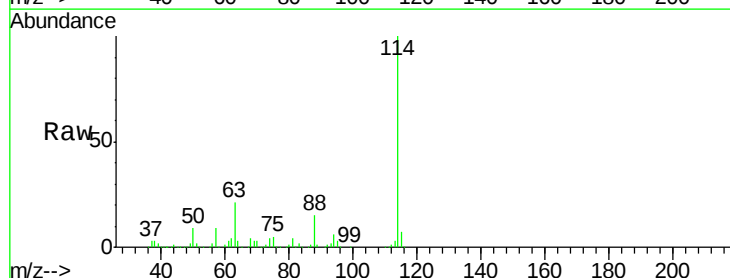
Tgt Ion: 114 Resp: 383014

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 15.2 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

6.87

200000

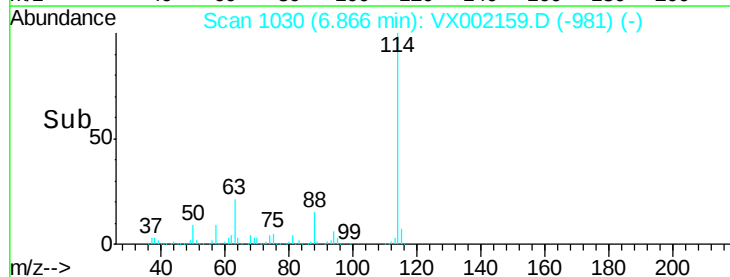
150000

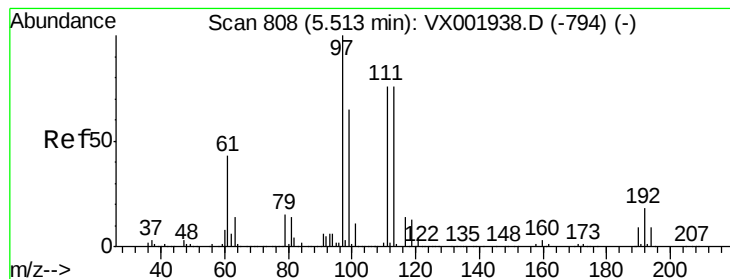
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 37.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampled :

VX0530WBL03

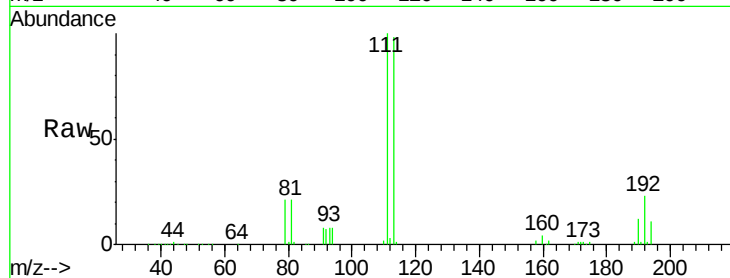
Tgt Ion:113 Resp: 143588

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

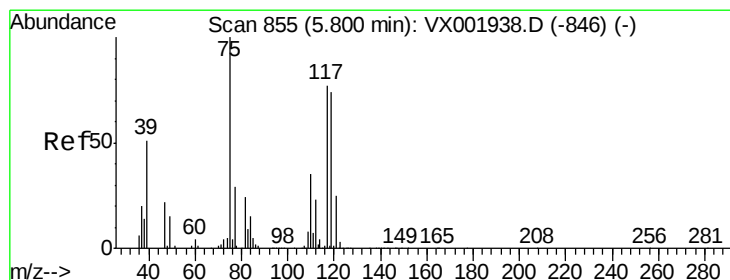
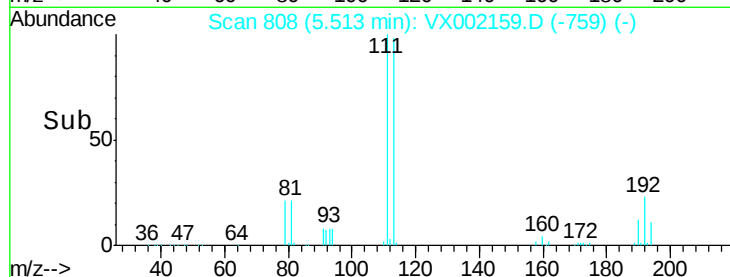
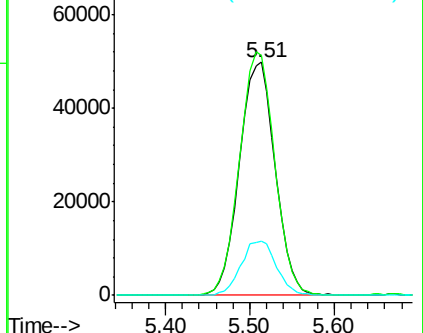
192 23.0 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

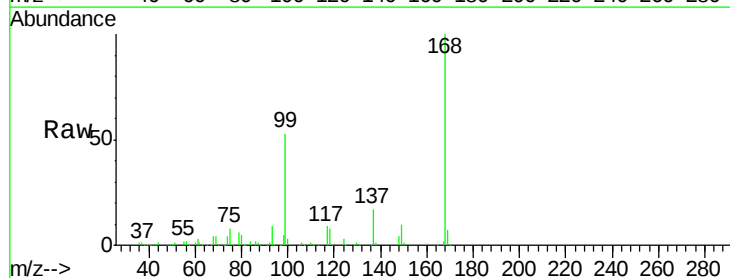
Tgt Ion: 75 Resp: 19498

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.2#

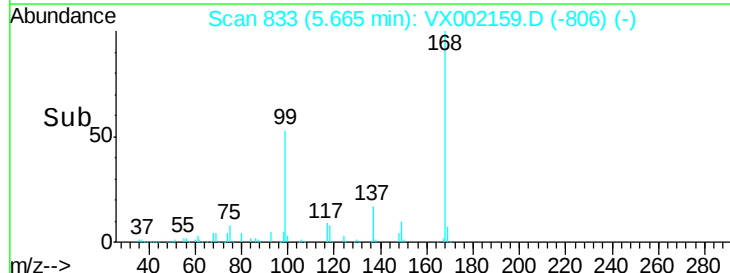
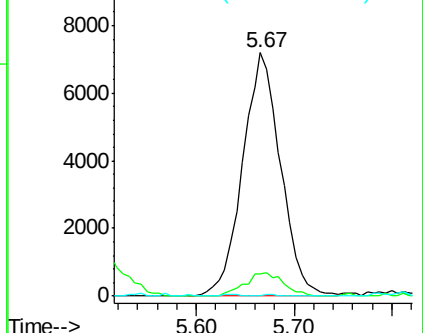
77 0.3 24.4 36.6#

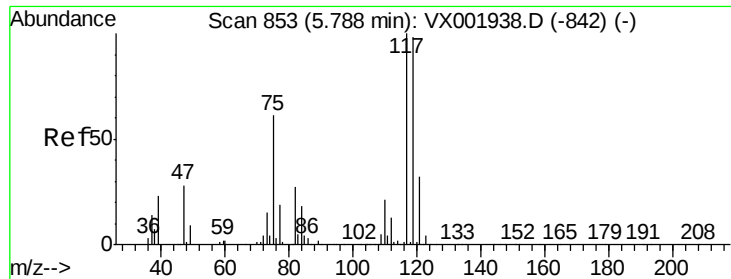


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL03

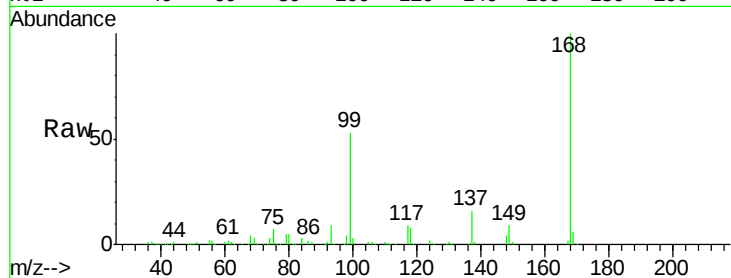
Tgt Ion: 117 Resp: 25310

Ion Ratio Lower Upper

117 100

119 3.0 78.5 117.7#

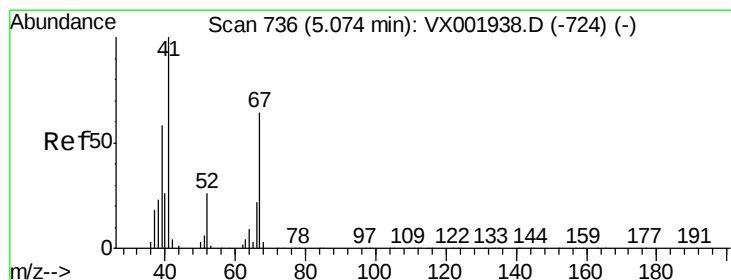
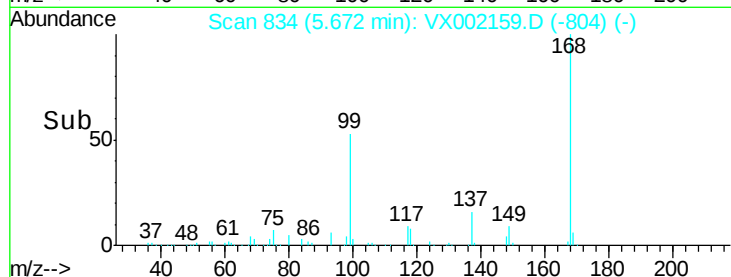
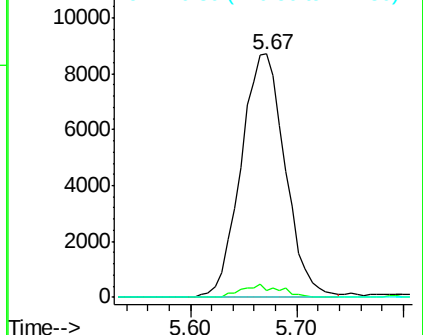
121 0.0 25.5 38.3#



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: 5.04 min Scan# 731

Delta R.T. -0.03 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Tgt Ion: 41 Resp: 49

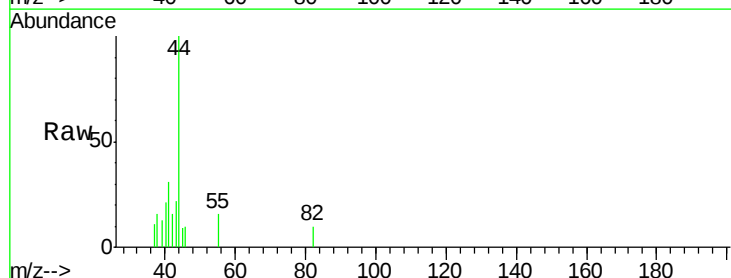
Ion Ratio Lower Upper

41 100

39 267.3 46.0 69.0#

67 95.9 50.6 75.8#

52 0.0 21.9 32.9#

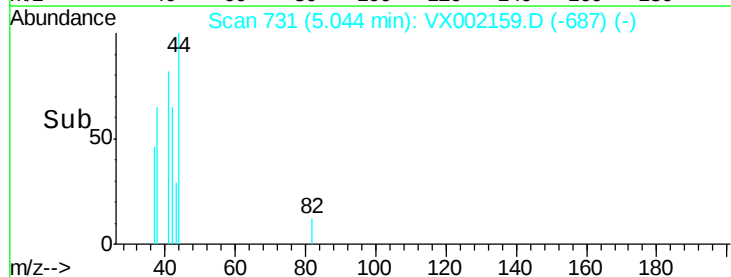
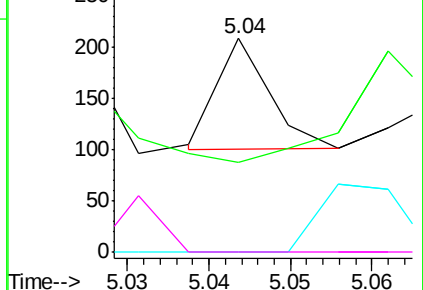


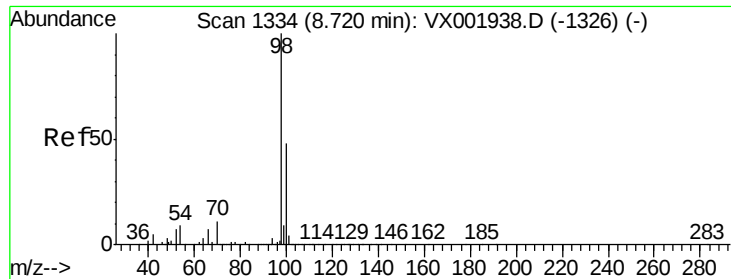
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 41.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

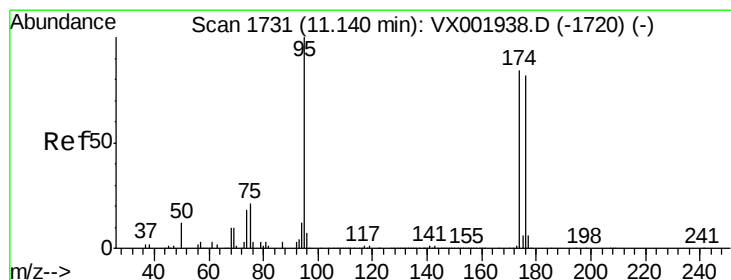
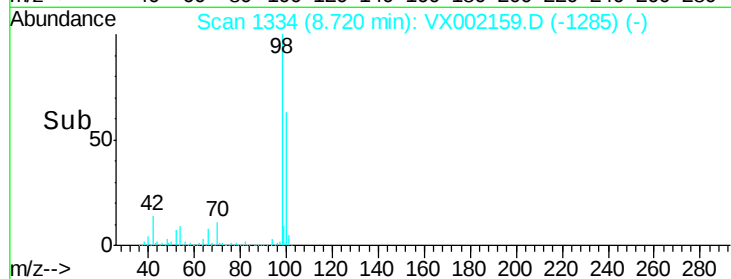
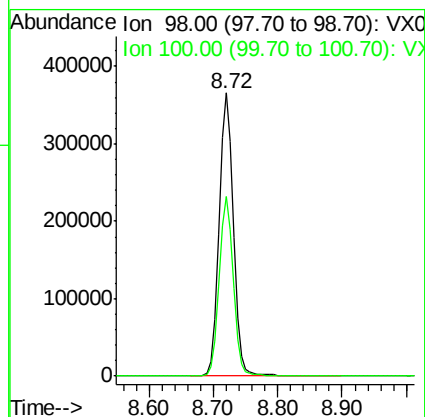
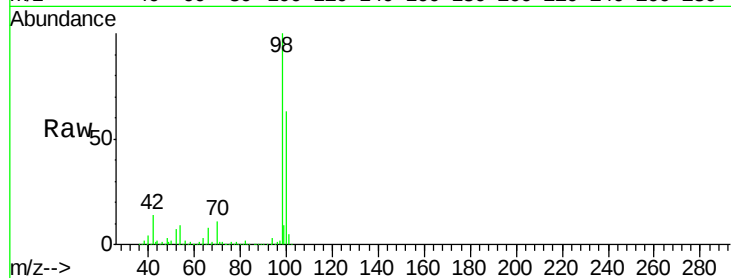
VX0530WBL03

Tgt Ion: 98 Resp: 576004

Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 36.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

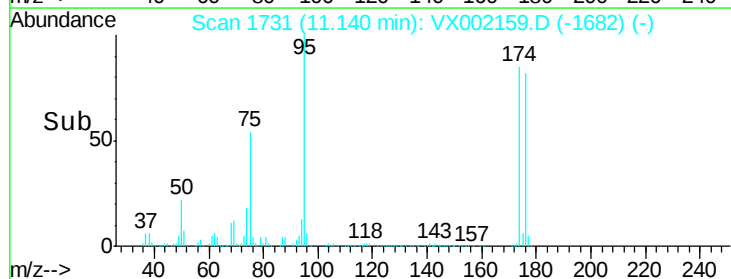
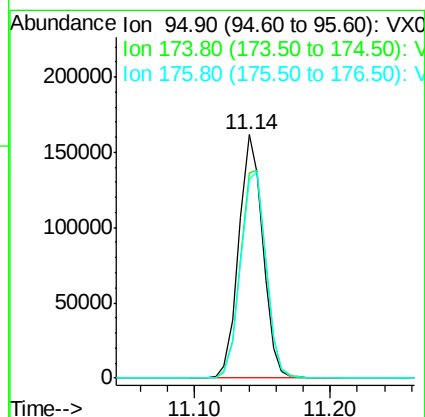
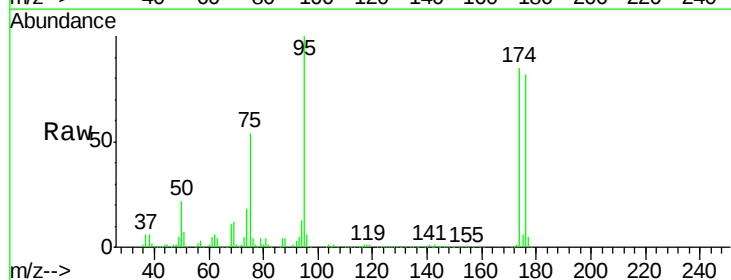
Tgt Ion: 95 Resp: 199838

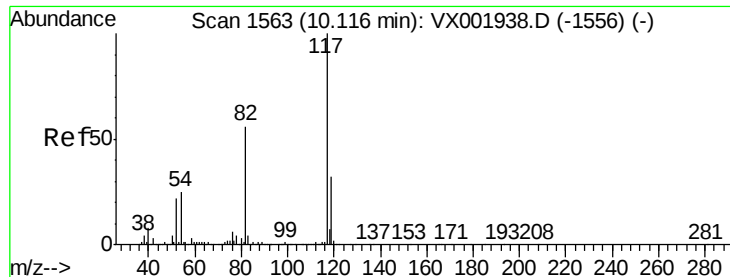
Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.8

176 89.1 0.0 175.6

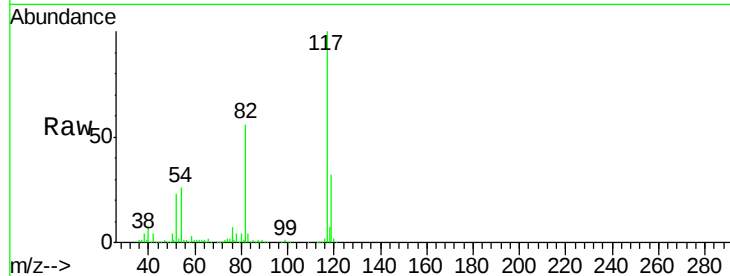




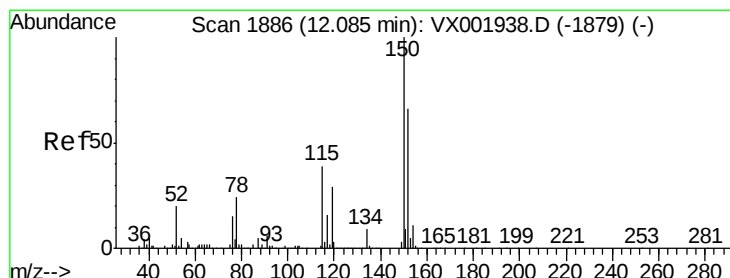
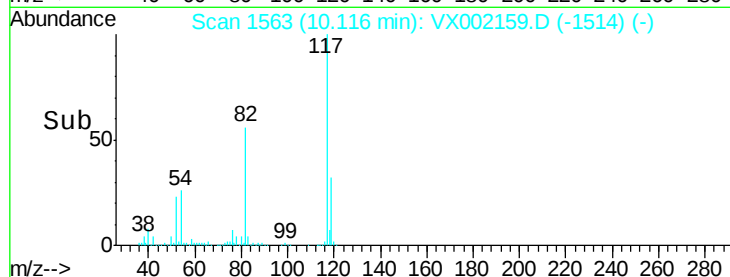
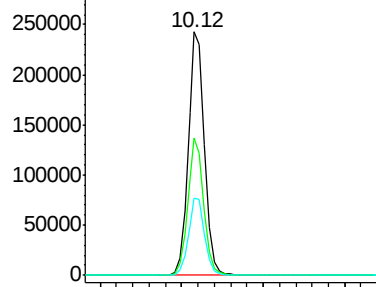
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL03

Tgt Ion:117 Resp: 337594
Ion Ratio Lower Upper
117 100
82 56.5 44.8 67.2
119 31.9 25.5 38.3

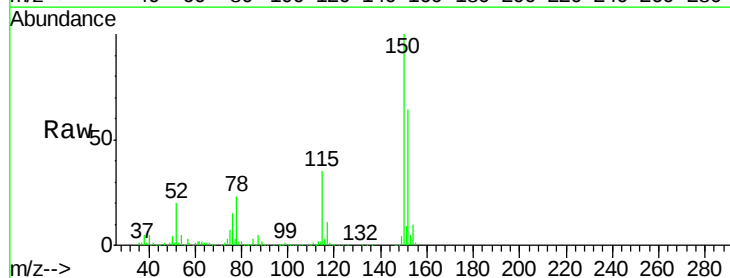


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

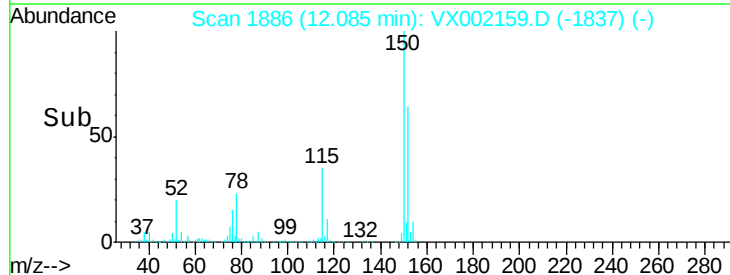
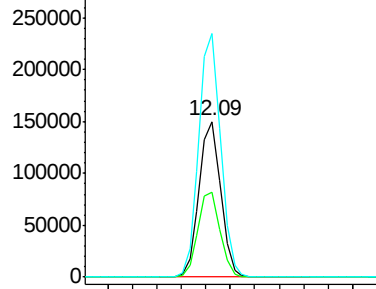


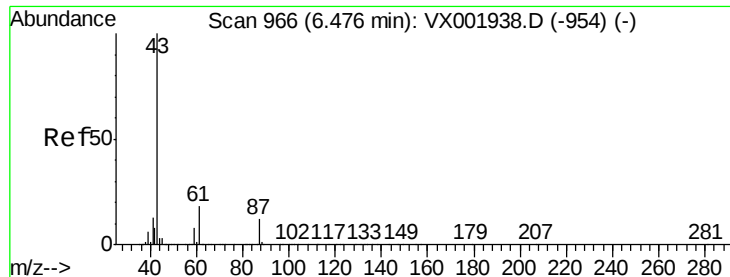
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002159.D
Acq: 31 May 2018 02:10

Tgt Ion:152 Resp: 183683
Ion Ratio Lower Upper
152 100
115 56.0 42.3 126.8
150 157.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampled :

VX0530WBL03

Tgt Ion: 43 Resp: 282

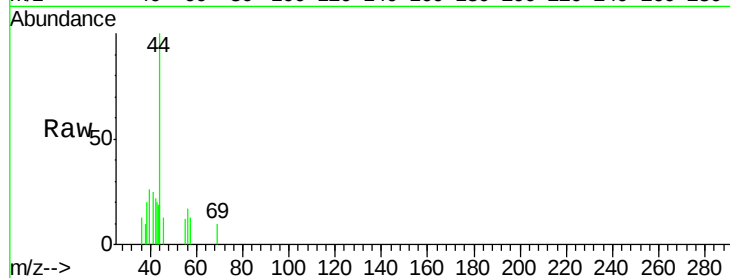
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 40.1 0.1 0.1#

61 0.0 14.5 21.7#

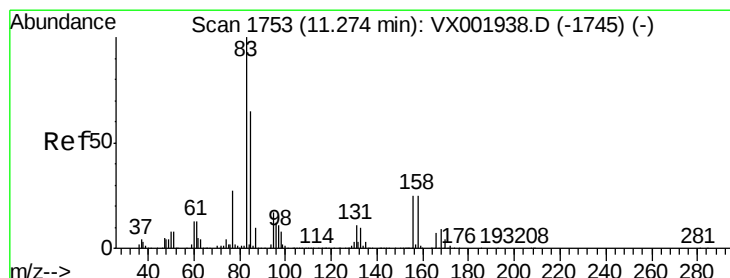
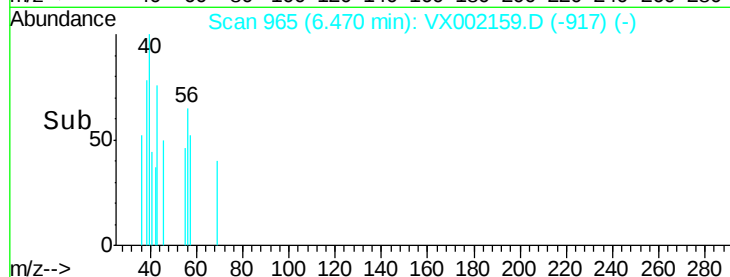
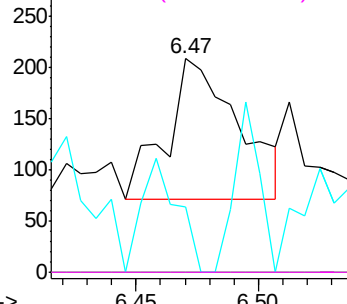


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

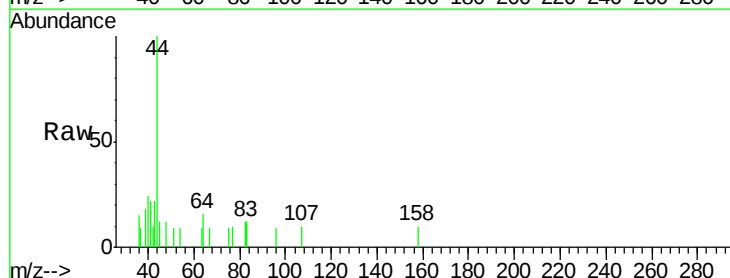
Tgt Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

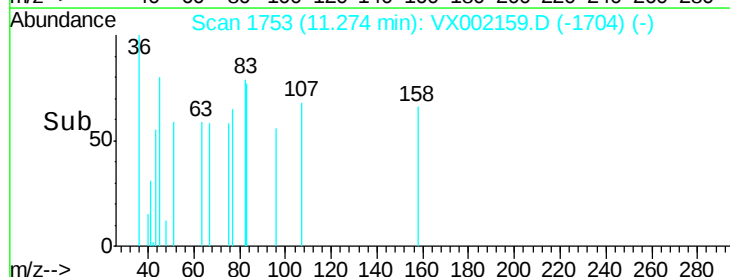
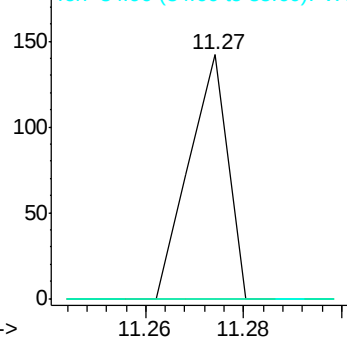
85 0.0 32.6 97.7#

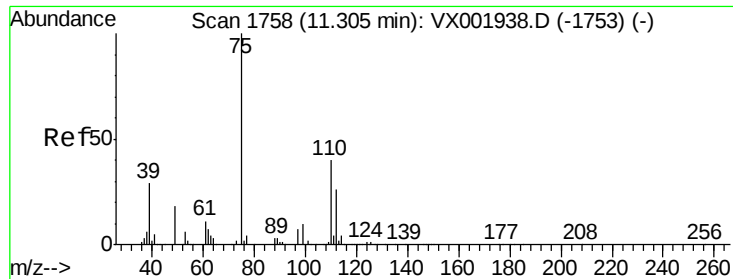


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

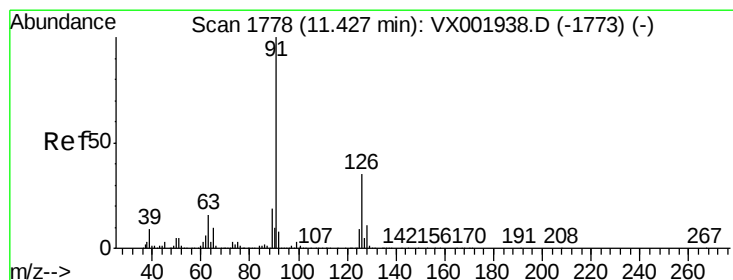
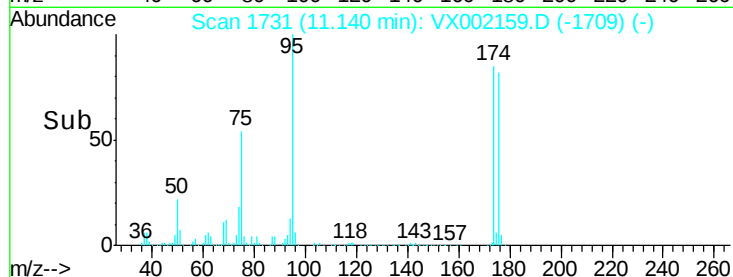
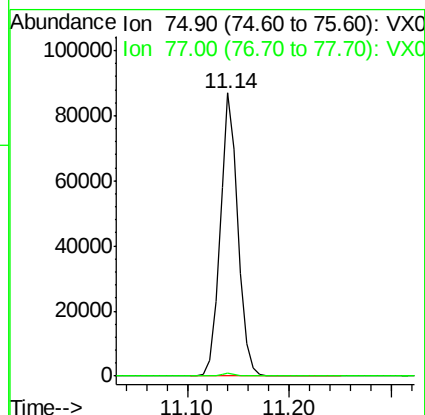
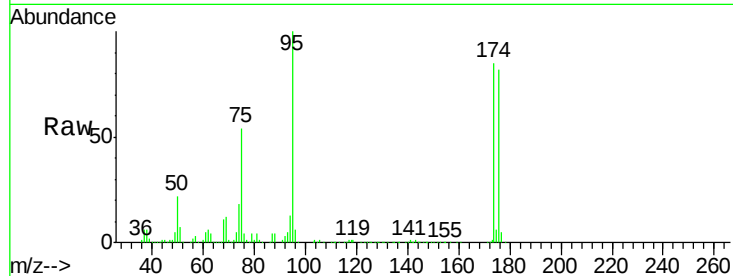
VX0530WBL03

Tgt Ion: 75 Resp: 106008

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX002159.D

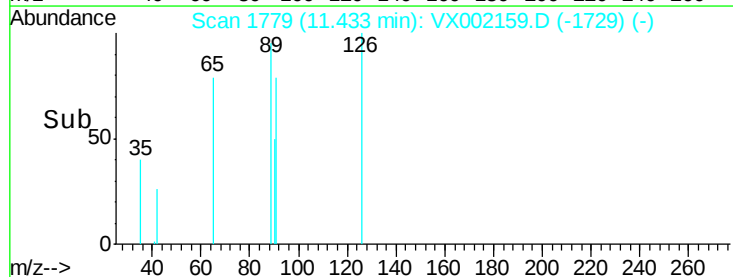
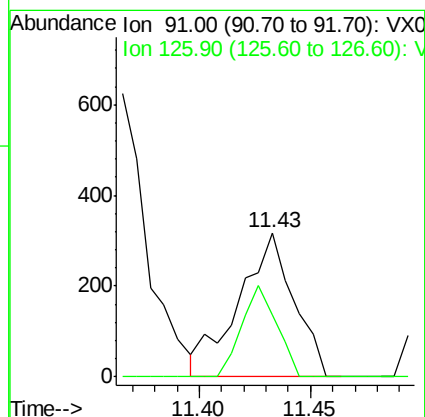
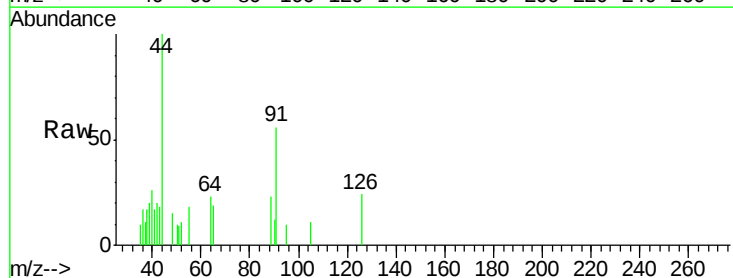
Acq: 31 May 2018 02:10

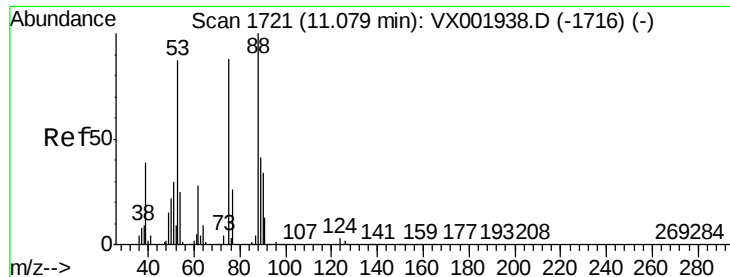
Tgt Ion: 91 Resp: 546

Ion Ratio Lower Upper

91 100

126 40.1 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 57.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002159.D

Acq: 31 May 2018 02:10

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL03

Tgt Ion: 75 Resp: 106008

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

