

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003479.D
 Acq On : 19 Jul 2018 22:47
 Operator : JC/SP
 Sample : J3170-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01

Quant Time: Jul 20 04:02:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	292977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	179608	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.51	113	163474	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.72	98	617157	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.14	95	209330	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

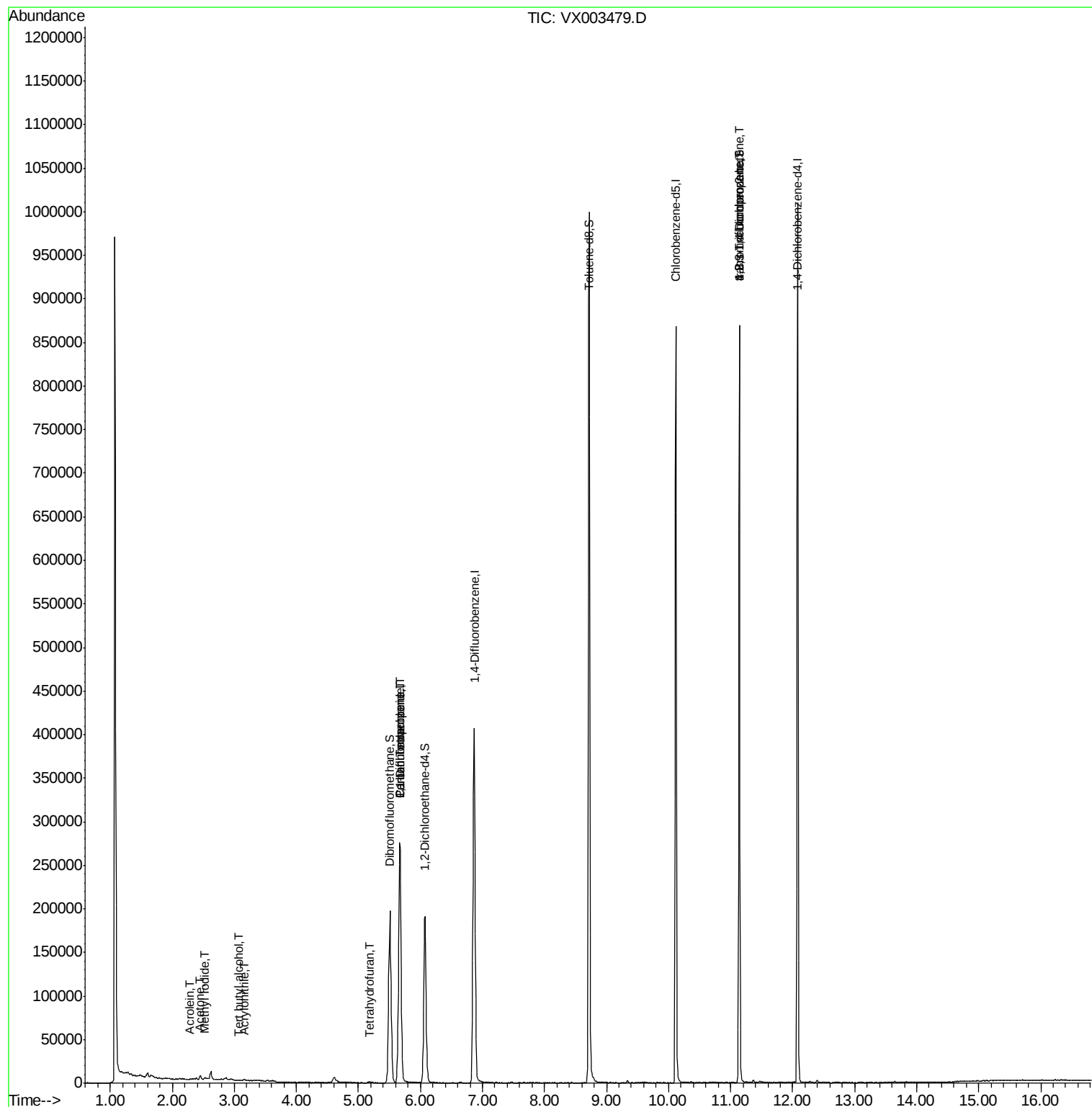
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	119	Below Cal	#	43
3) Chloromethane	1.33	50	895	Below Cal		94
5) Bromomethane	1.65	94	2398	Below Cal		98
10) Methyl Iodide	2.53	142	2083	0.53	ug/l	93
11) Tert butyl alcohol	3.08	59	143	0.21	ug/l #	73
13) Acrolein	2.29	56	84	0.27	ug/l #	1
15) Acrylonitrile	3.15	53	406	0.23	ug/l #	84
16) Acetone	2.45	43	4509	3.44	ug/l #	81
20) Methylene Chloride	2.86	84	1232	Below Cal		82
29) Tetrahydrofuran	5.18	42	1188	0.82	ug/l #	89
36) 1,1-Dichloropropene	5.67	75	18115	3.88	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24736	5.39	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	99715	24.76	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	99715	69.36	ug/l #	7

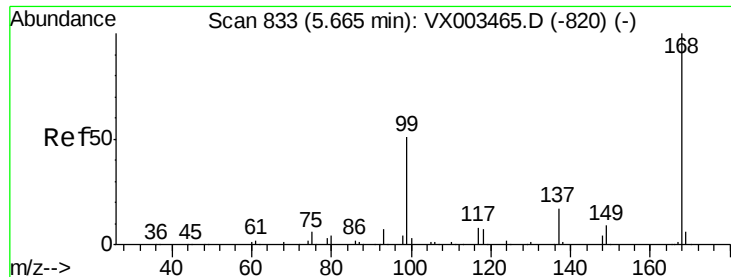
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

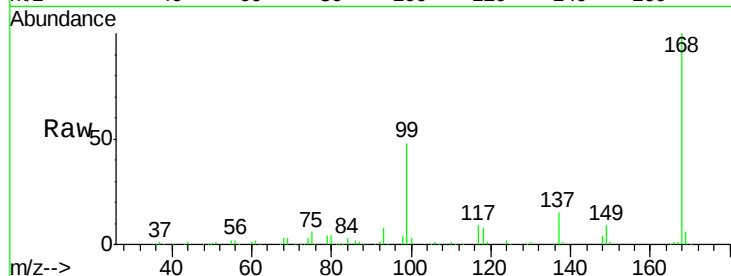
TB01

Tot Ion:168 Resp: 292977

Ion Ratio Lower Upper

168 100

99 48.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

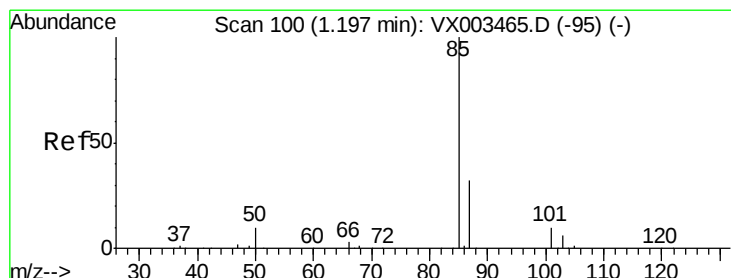
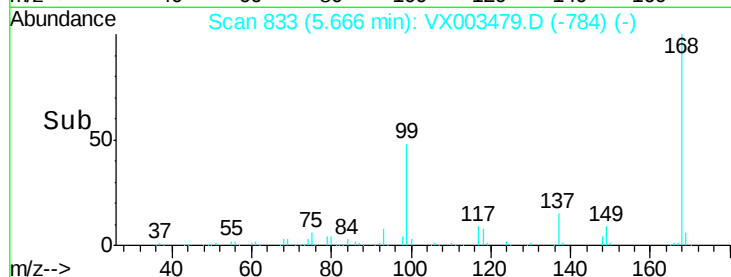
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003479.D

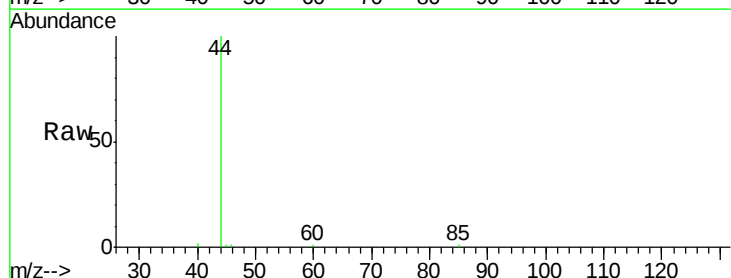
Acq: 19 Jul 2018 22:47

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

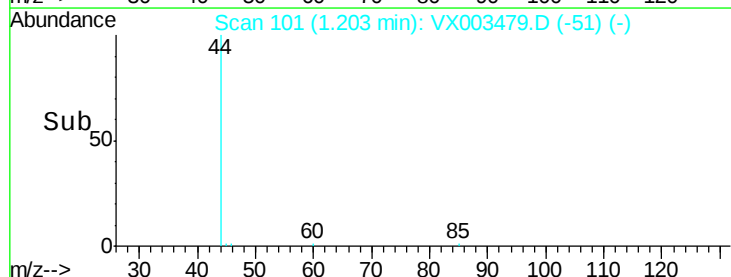
1.20

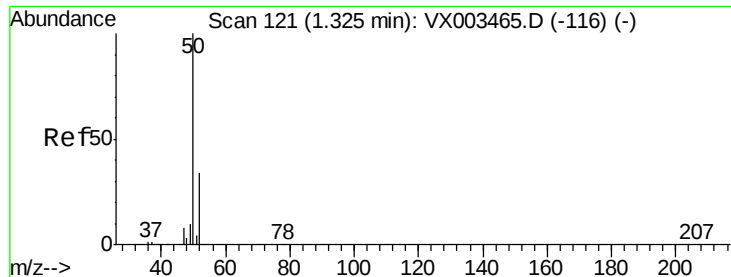
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

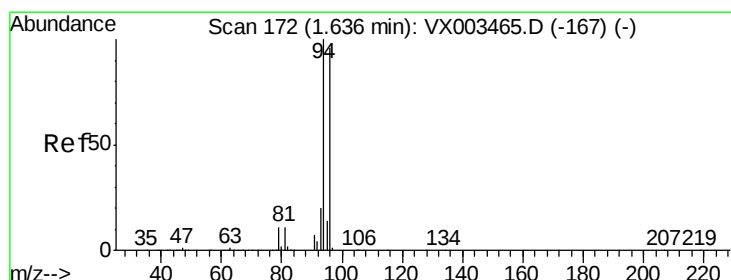
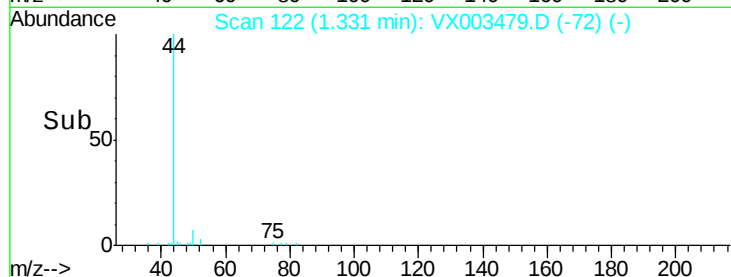
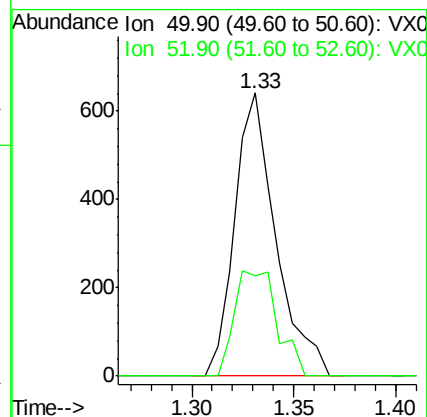
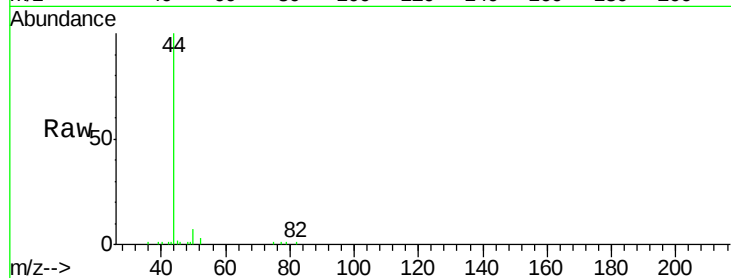
TB01

Tot Ion: 50 Resp: 895

Ion Ratio Lower Upper

50 100

52 35.3 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003479.D

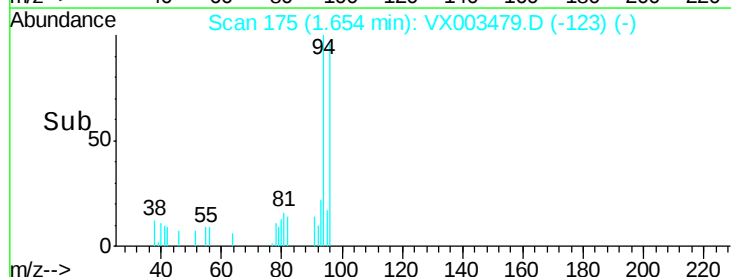
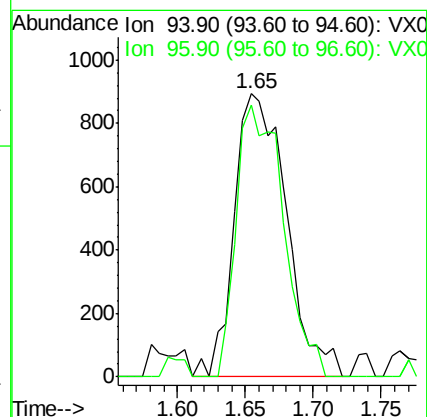
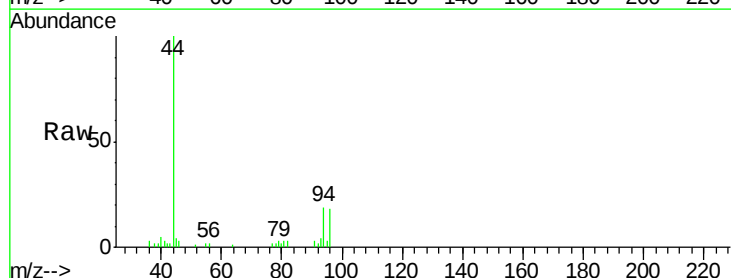
Acq: 19 Jul 2018 22:47

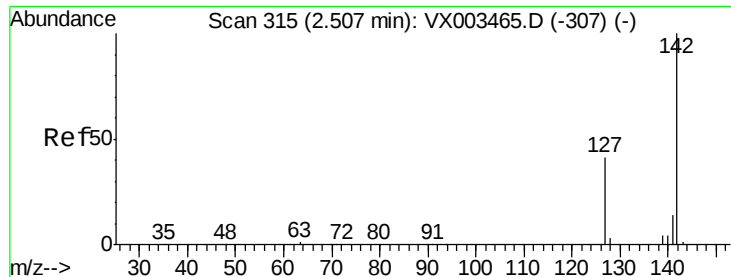
Tgt Ion: 94 Resp: 2398

Ion Ratio Lower Upper

94 100

96 96.0 74.9 112.3

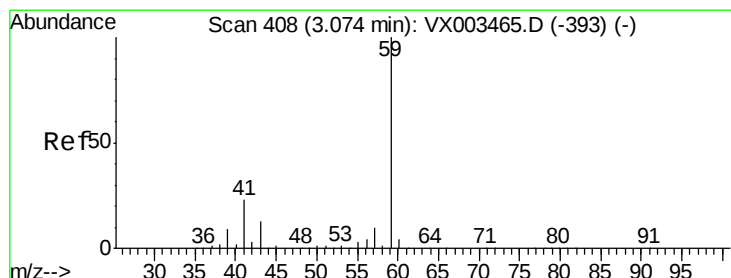
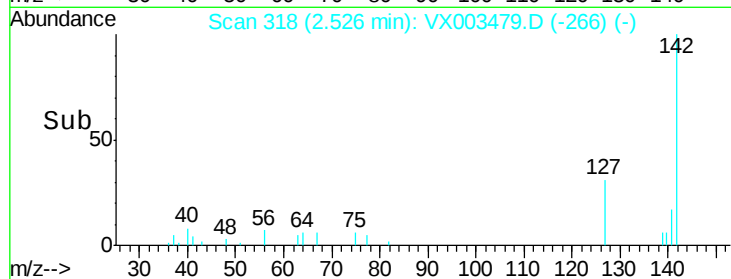
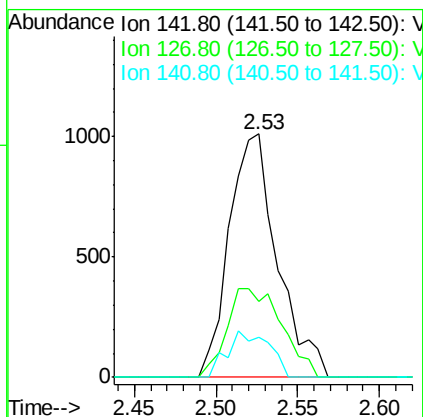
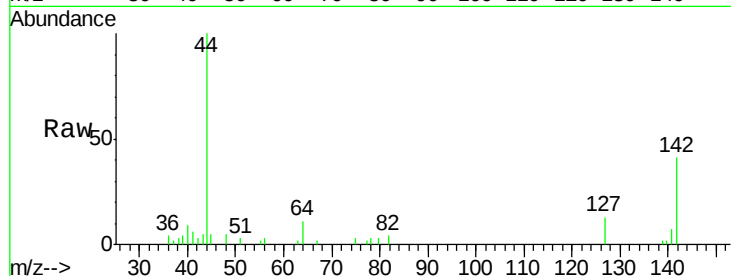




#10
Methvl Iodide
Concen: 0.53 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

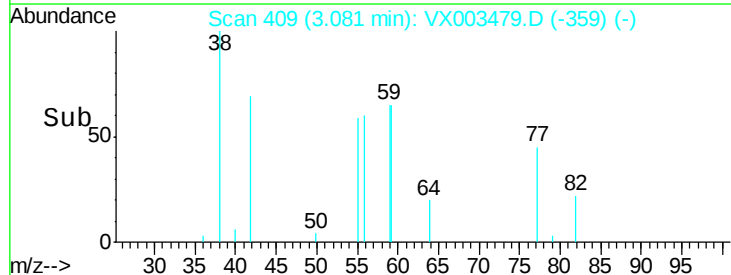
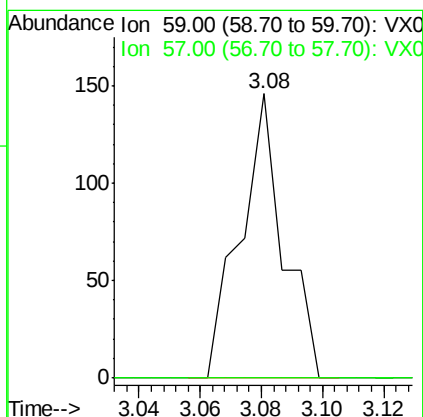
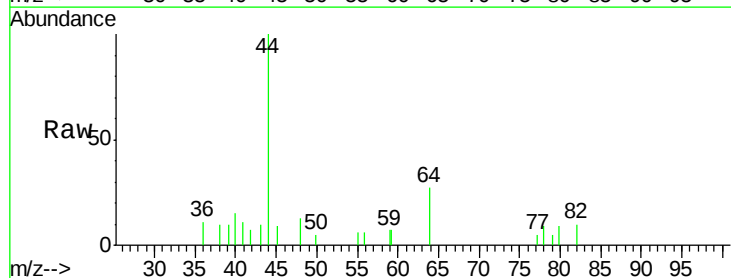
Instrument :
MSVOA_X
ClientSampled :
TB01

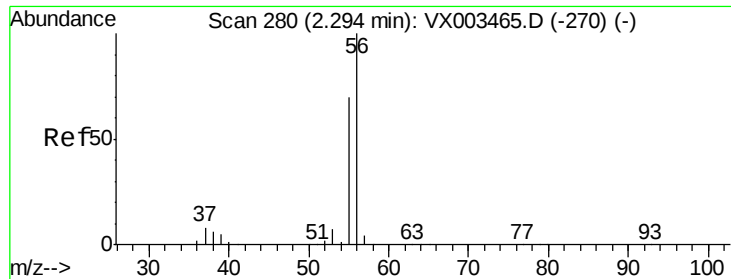
Tot Ion:142 Resp: 2083
Ion Ratio Lower Upper
142 100
127 41.3 36.6 55.0
141 16.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.27 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampled :

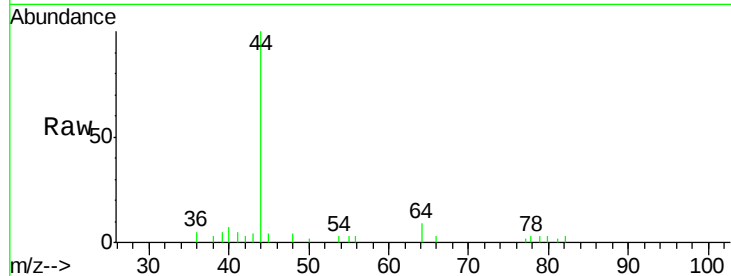
TB01

Tot Ion: 56 Resp: 84

Ion Ratio Lower Upper

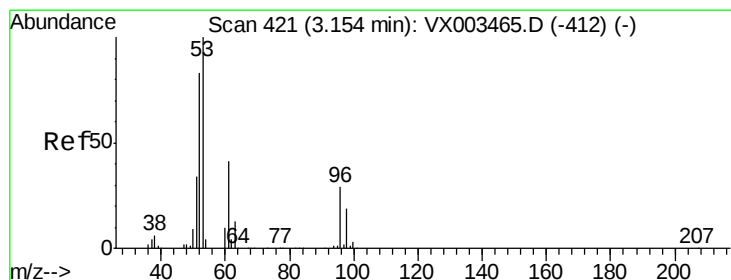
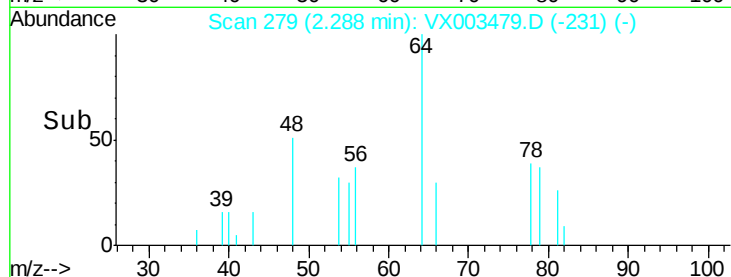
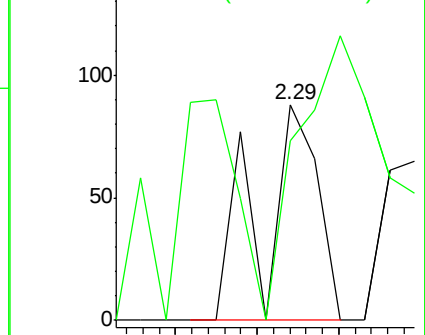
56 100

55 207.1 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

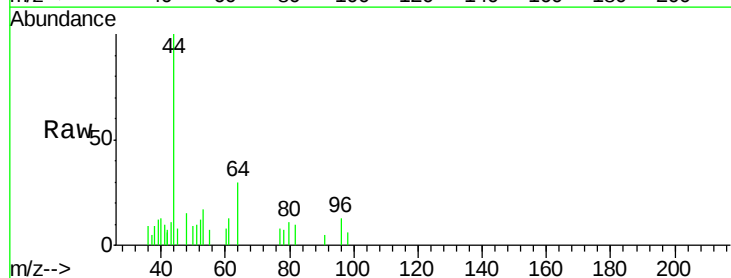
Tgt Ion: 53 Resp: 406

Ion Ratio Lower Upper

53 100

52 81.5 66.7 100.1

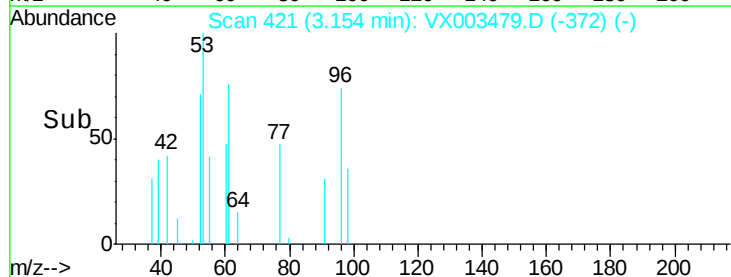
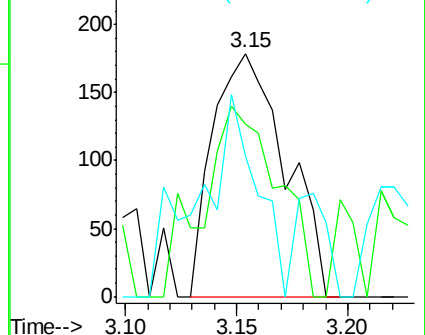
51 66.5 29.9 44.9#

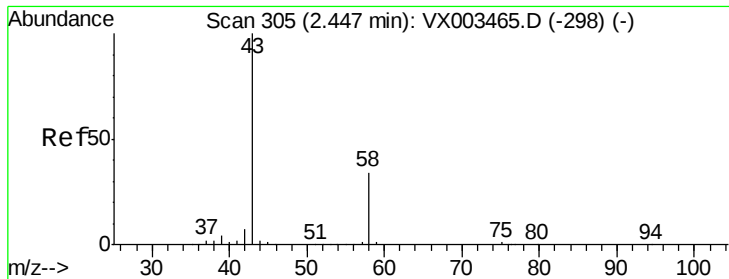


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.44 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

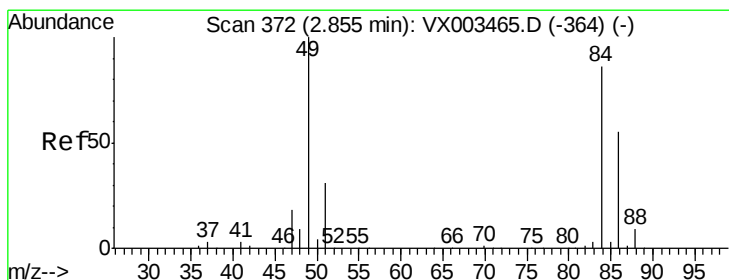
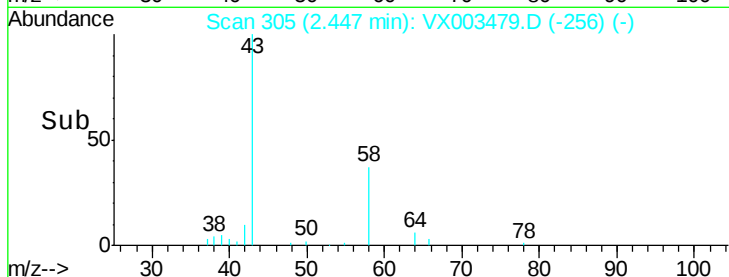
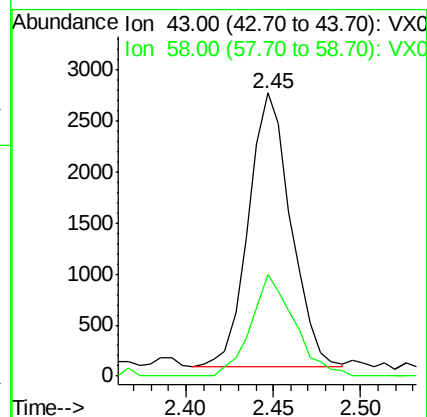
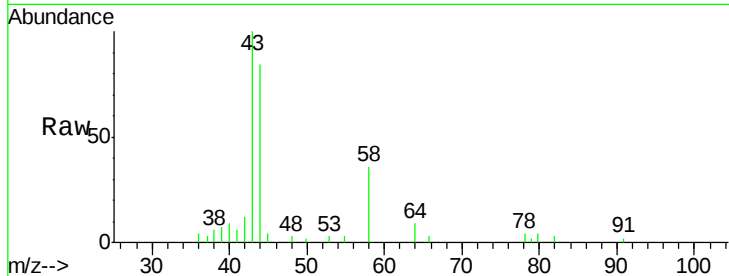
TB01

Tot Ion: 43 Resp: 4509

Ion Ratio Lower Upper

43 100

58 37.4 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Tgt Ion: 84 Resp: 1232

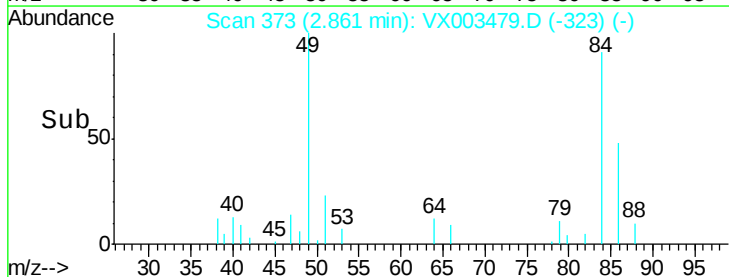
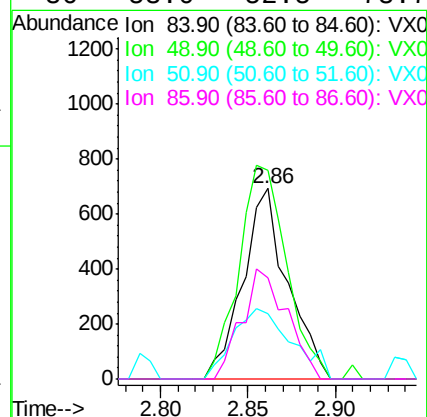
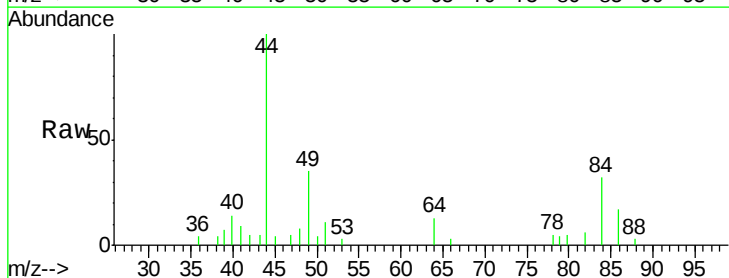
Ion Ratio Lower Upper

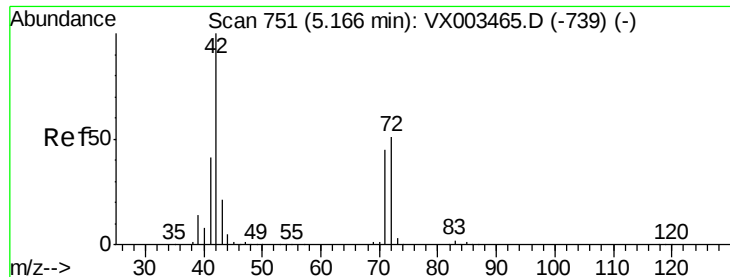
84 100

49 109.8 107.8 161.6

51 34.5 32.8 49.2

86 53.0 52.5 78.7

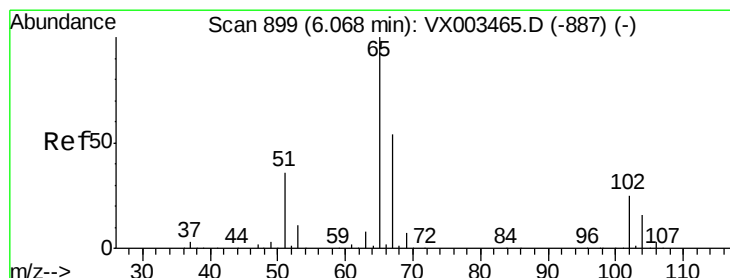
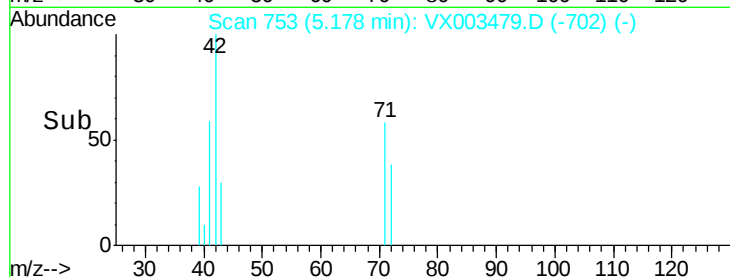
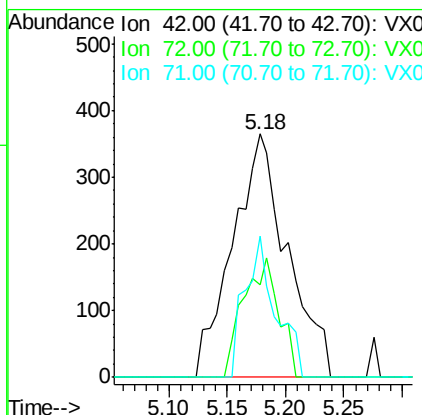
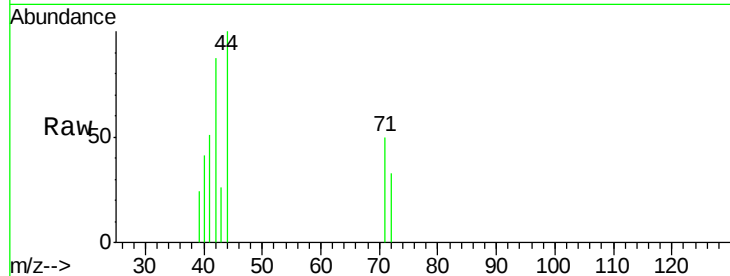




#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

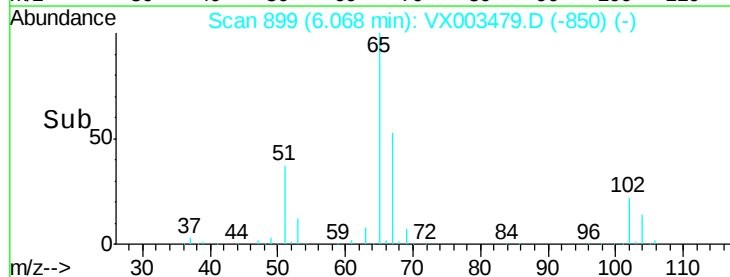
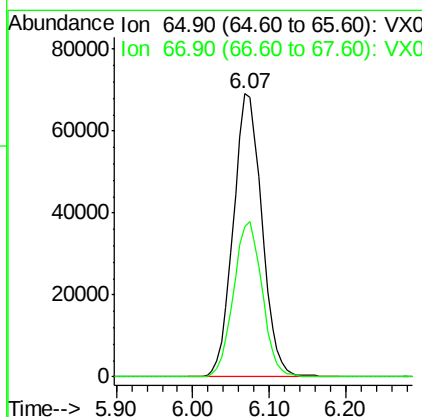
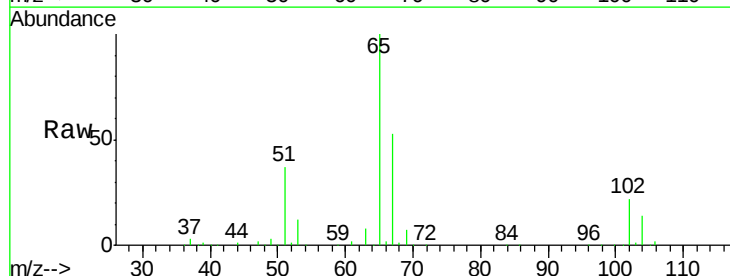
Instrument :
MSVOA_X
ClientSampleId :
TB01

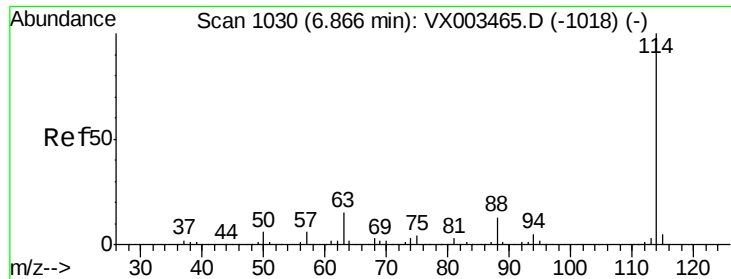
Tot Ion: 42 Resp: 1188
Ion Ratio Lower Upper
42 100
72 32.0 32.0 48.0#
71 32.7 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 51.79 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

Tgt Ion: 65 Resp: 179608
Ion Ratio Lower Upper
65 100
67 54.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

TB01

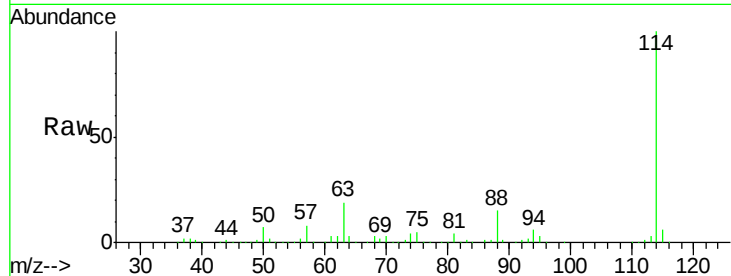
Tot Ion:114 Resp: 432968

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

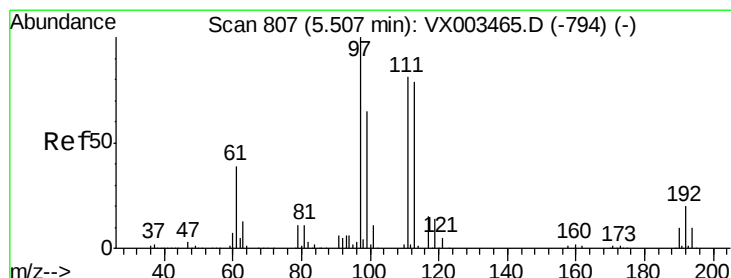
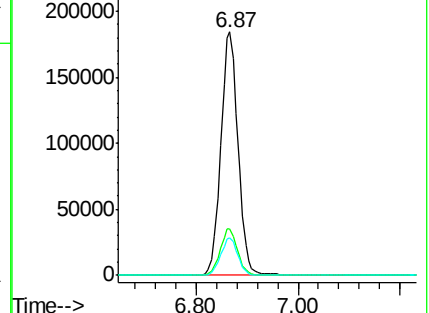
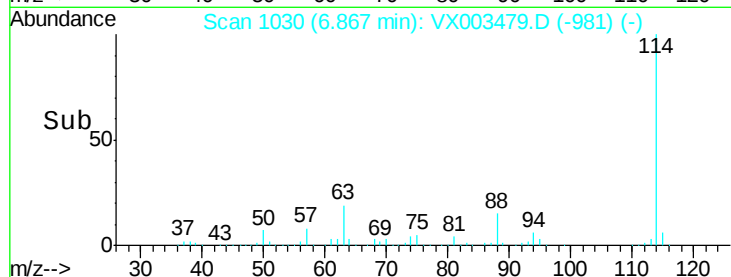
88 15.3 0.0 30.0



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: 49.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

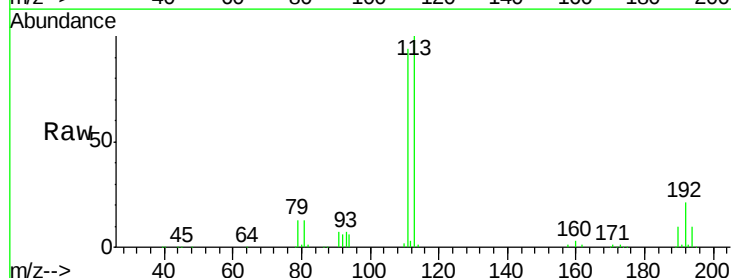
Tgt Ion:113 Resp: 163474

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

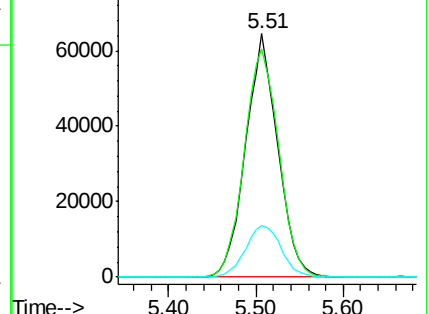
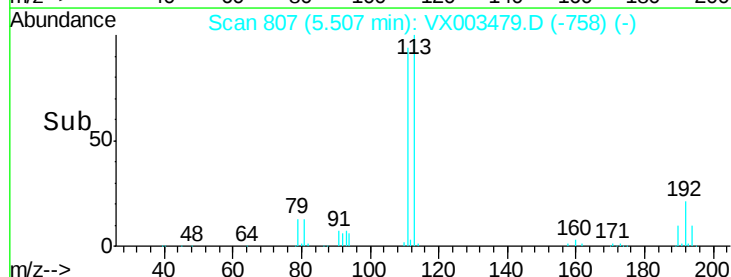
192 23.8 19.1 28.7

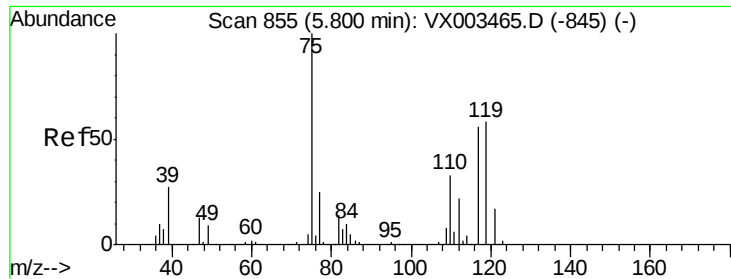


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

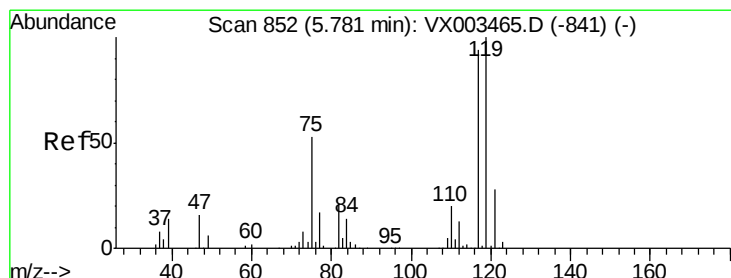
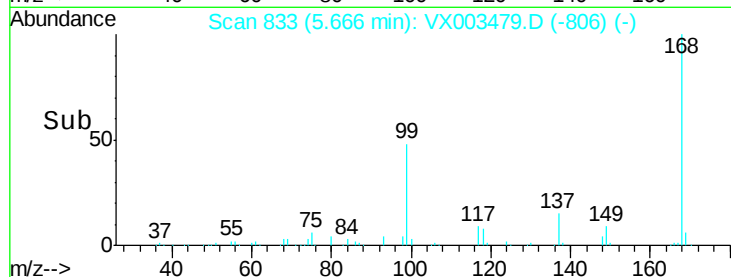
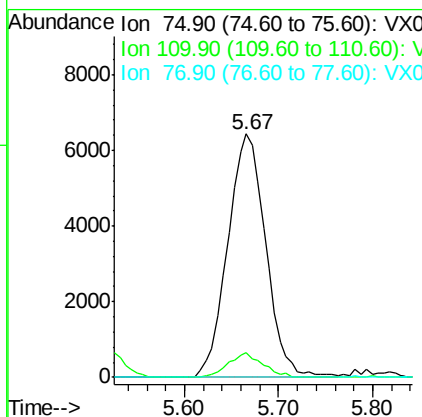
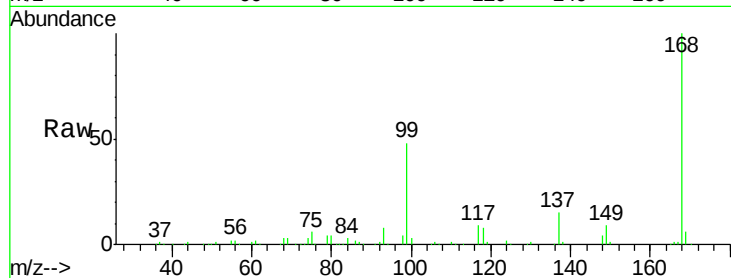




#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003479.D
 Acq: 19 Jul 2018 22:47

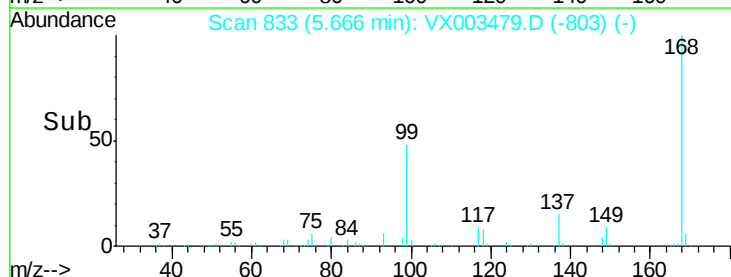
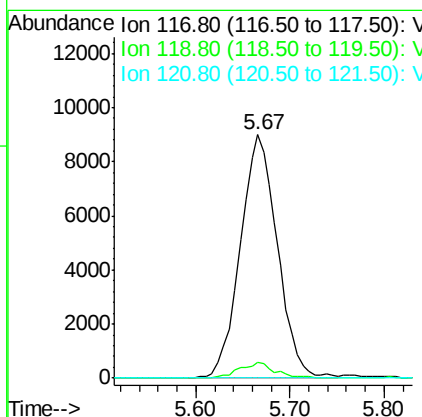
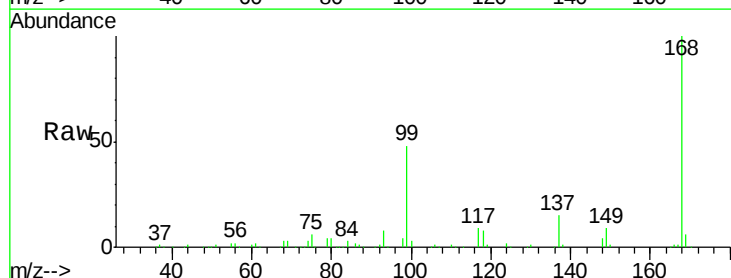
Instrument :
 MSVOA_X
 ClientSampled :
 TB01

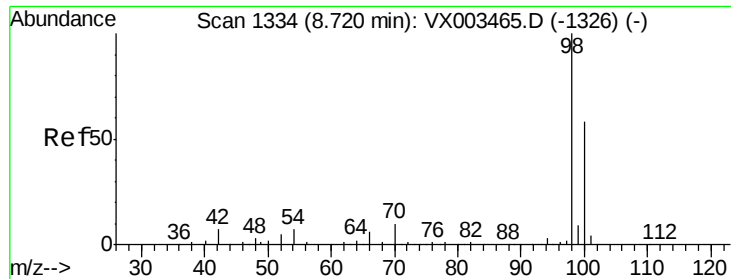
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.39 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003479.D
 Acq: 19 Jul 2018 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 49.79 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampled :

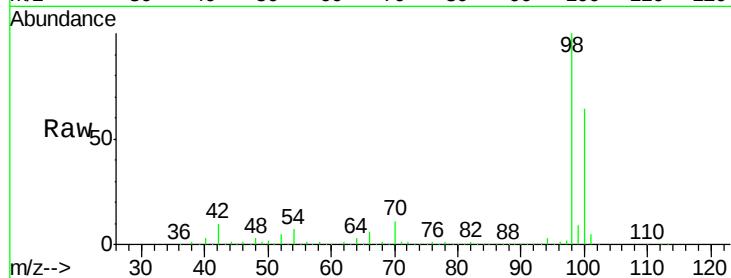
TB01

Tot Ion: 98 Resp: 617157

Ion Ratio Lower Upper

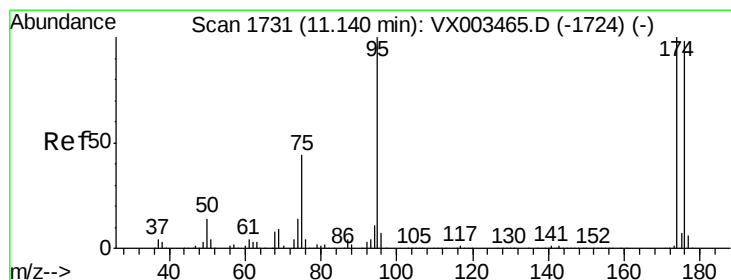
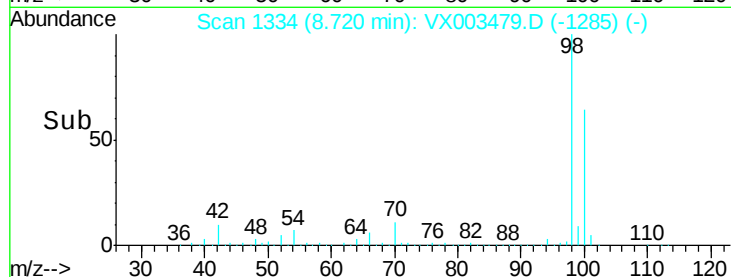
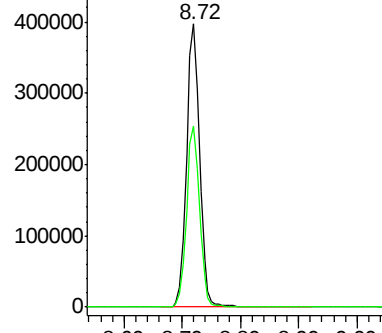
98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

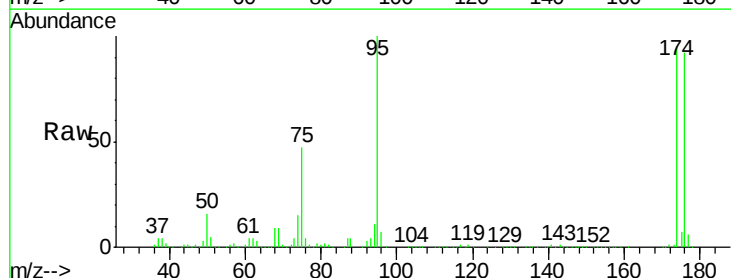
Tgt Ion: 95 Resp: 209330

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

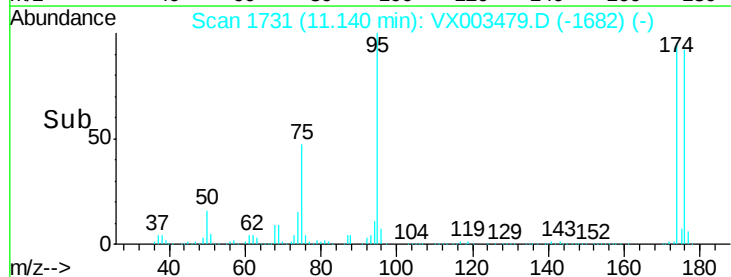
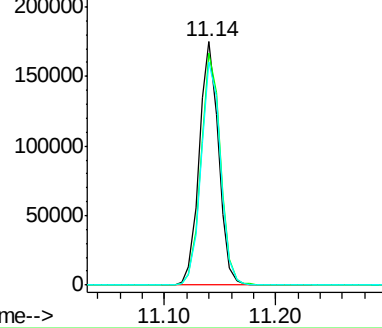
176 92.8 0.0 181.0

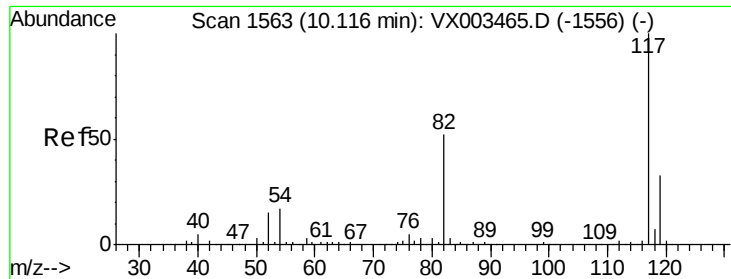


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

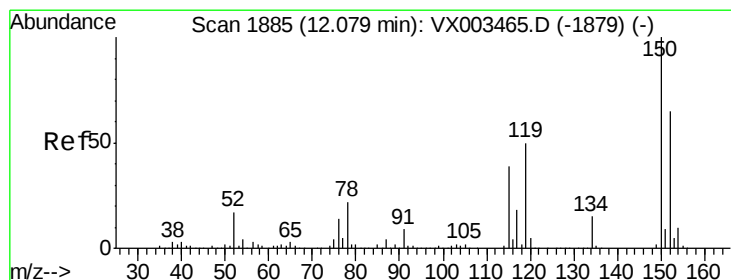
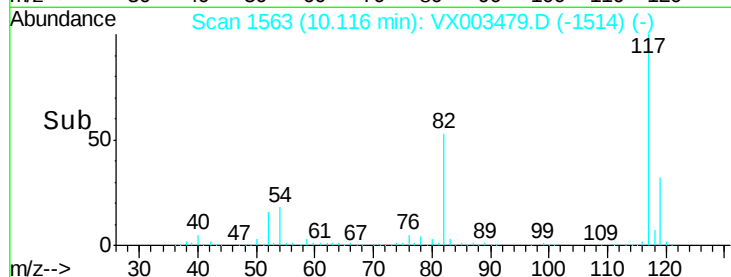
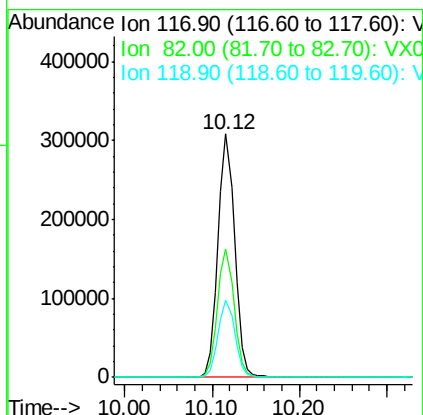
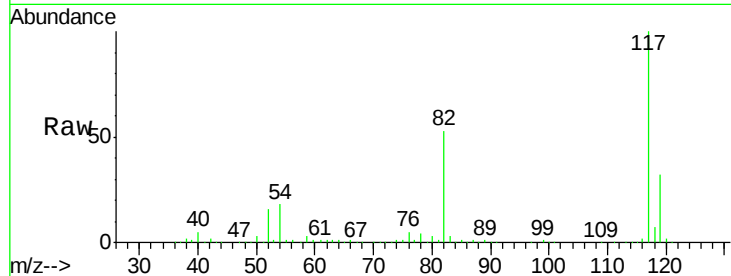




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

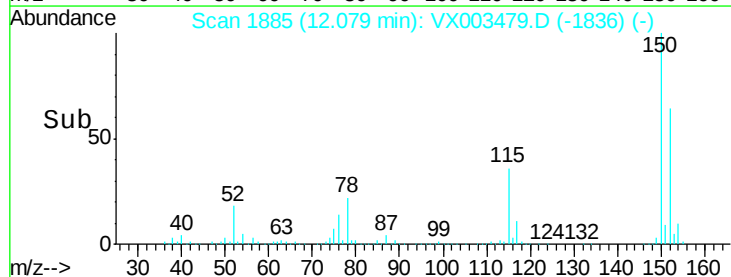
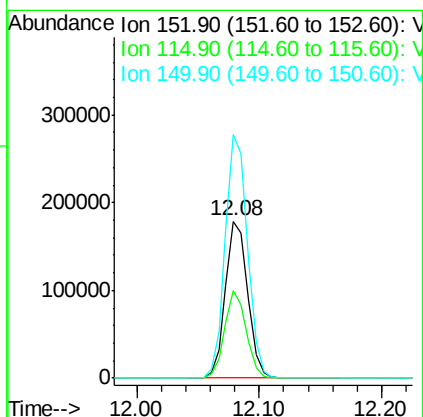
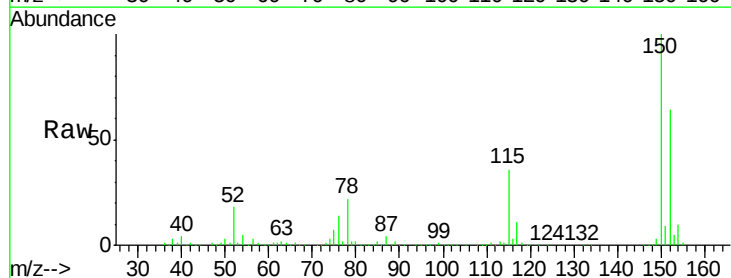
Instrument :
MSVOA_X
ClientSampled :
TB01

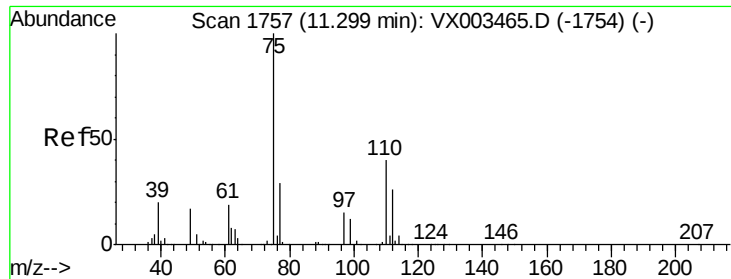
Tot Ion:117 Resp: 408197
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.4
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003479.D
Acq: 19 Jul 2018 22:47

Tgt Ion:152 Resp: 224178
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 155.6 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Instrument :

MSVOA_X

ClientSampled :

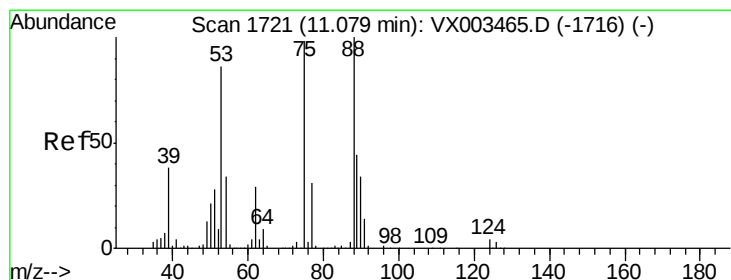
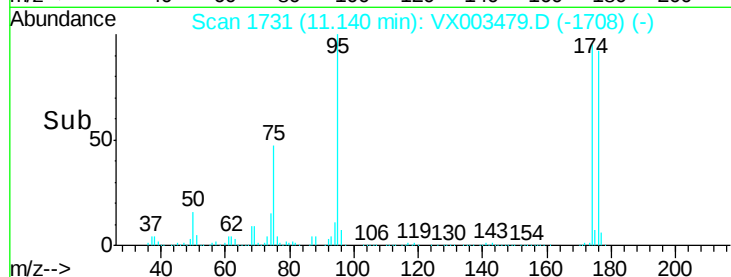
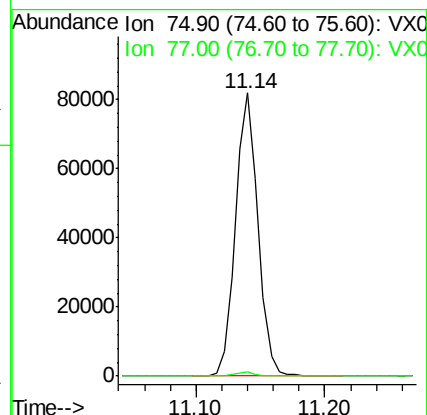
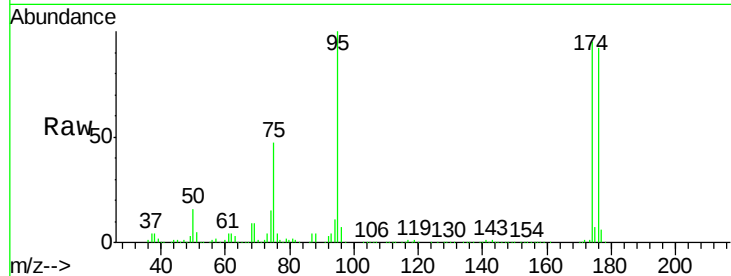
TB01

Tot Ion: 75 Resp: 99715

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003479.D

Acq: 19 Jul 2018 22:47

Tgt Ion: 75 Resp: 99715

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

