

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003525.D
 Acq On : 20 Jul 2018 23:10
 Operator : JC/SP
 Sample : J4014-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-070318

Quant Time: Jul 21 03:43:52 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	279255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411097	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210818	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	178591	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	5.51	113	159271	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.72	98	589490	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	198415	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

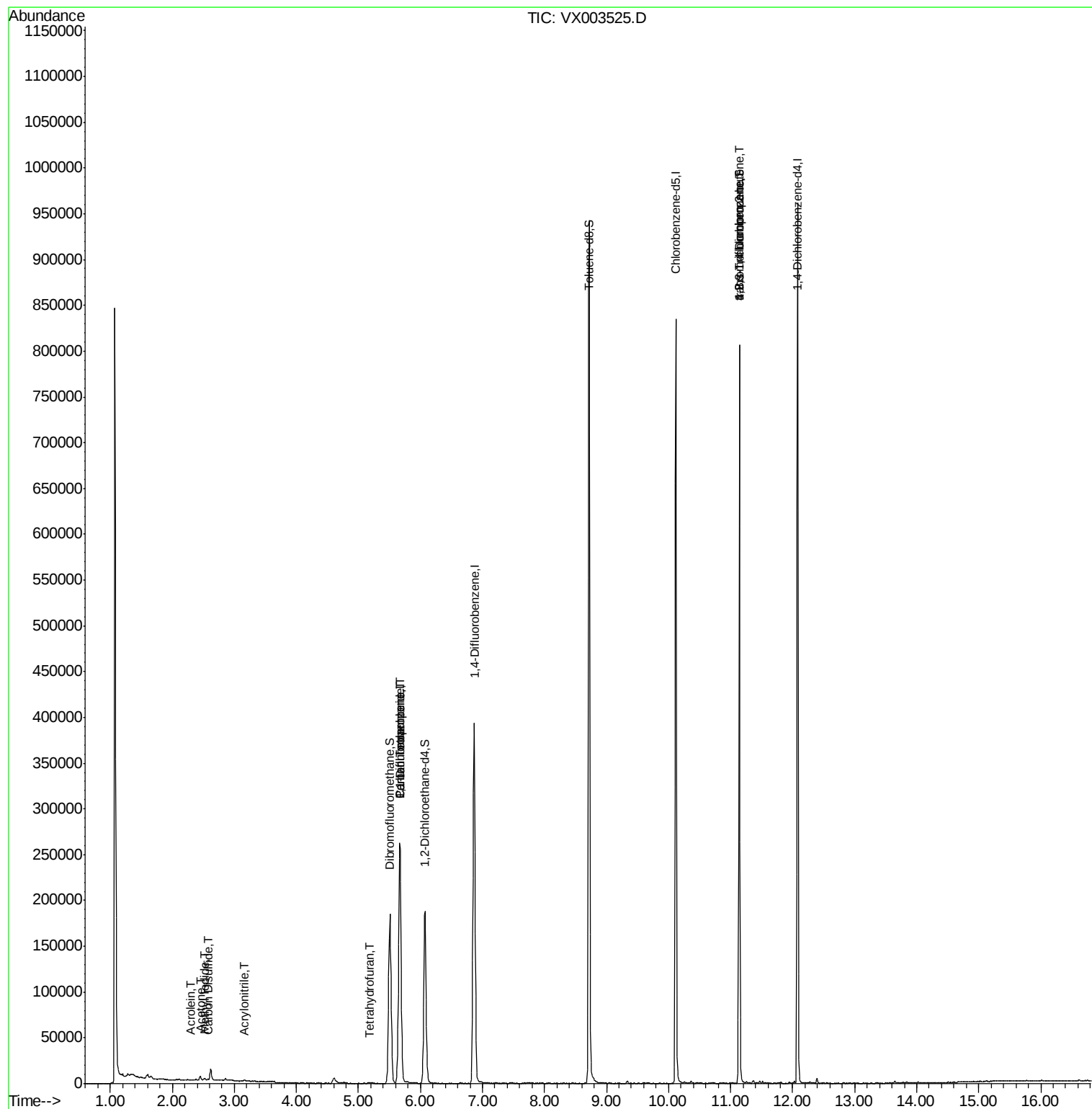
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	193	Below Cal	#	43
3) Chloromethane	1.32	50	633	Below Cal		96
5) Bromomethane	1.61	94	207	Below Cal	#	61
10) Methyl Iodide	2.52	142	1946	0.52	ug/l	90
13) Acrolein	2.30	56	135	0.46	ug/l	# 35
15) Acrylonitrile	3.15	53	425	0.26	ug/l	# 70
16) Acetone	2.45	43	4617	3.70	ug/l	97
17) Carbon Disulfide	2.57	76	1801	0.23	ug/l	# 88
20) Methylene Chloride	2.86	84	998	Below Cal	#	82
29) Tetrahydrofuran	5.17	42	795	0.57	ug/l	# 60
36) 1,1-Dichloropropene	5.67	75	17603	3.97	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	24046	5.52	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	95336	25.17	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	95336	70.48	ug/l	# 7

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

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

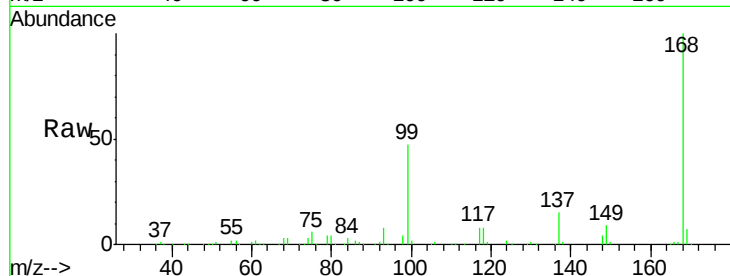
TB02-070318

Tot Ion:168 Resp: 279255

Ion Ratio Lower Upper

168 100

99 46.9 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

100000

80000

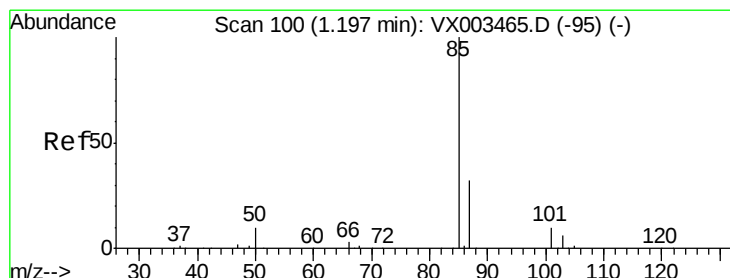
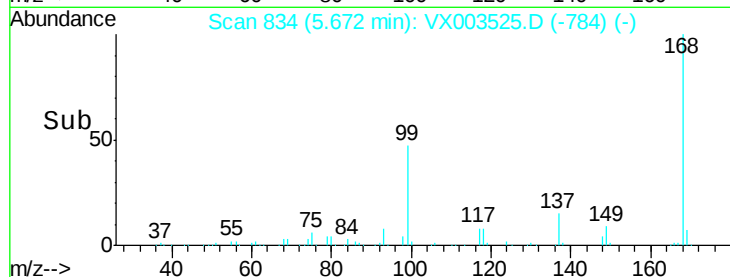
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003525.D

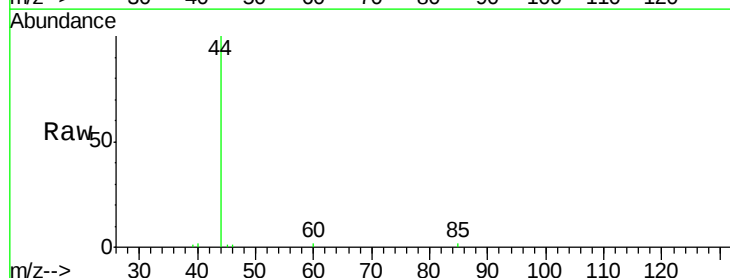
Acq: 20 Jul 2018 23:10

Tgt Ion: 85 Resp: 193

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

250

200

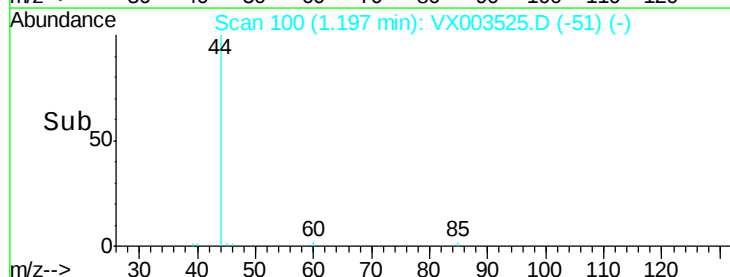
150

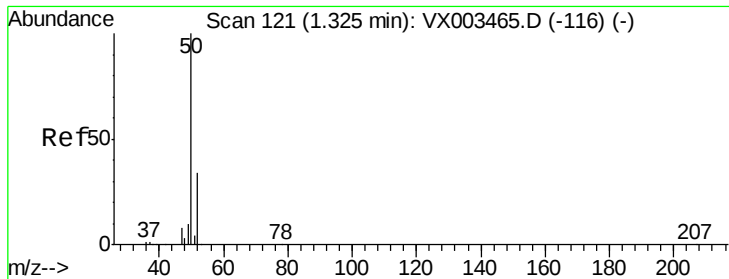
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

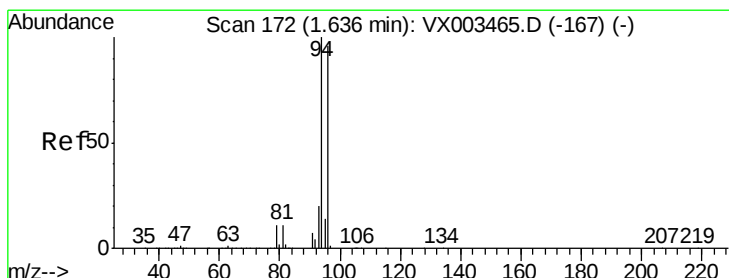
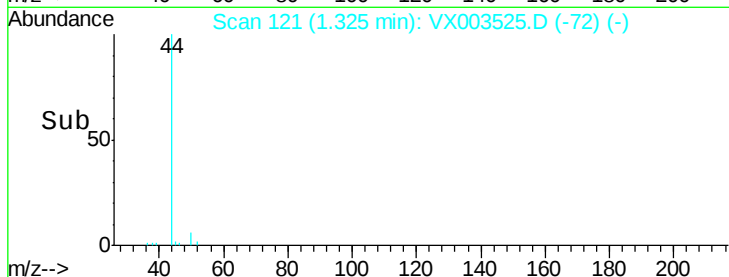
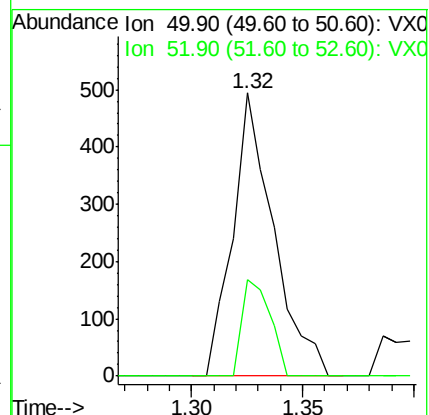
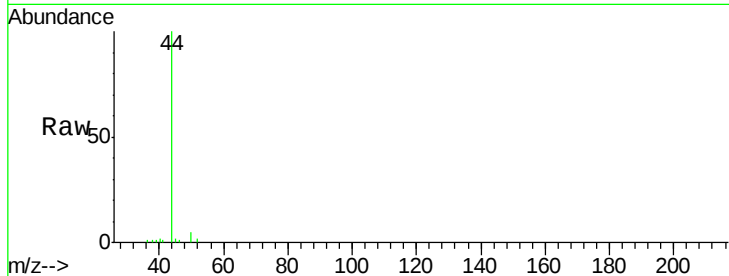
TB02-070318

Tot Ion: 50 Resp: 633

Ion Ratio Lower Upper

50 100

52 34.2 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003525.D

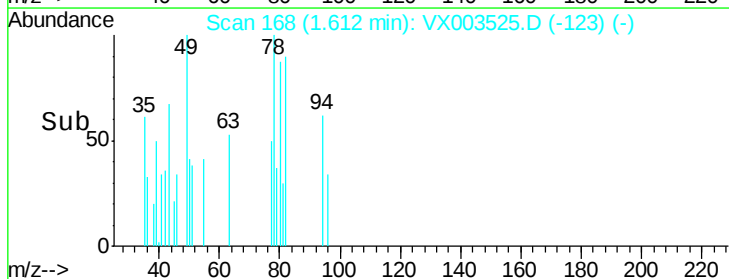
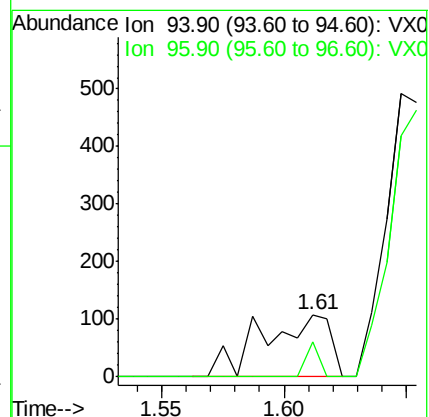
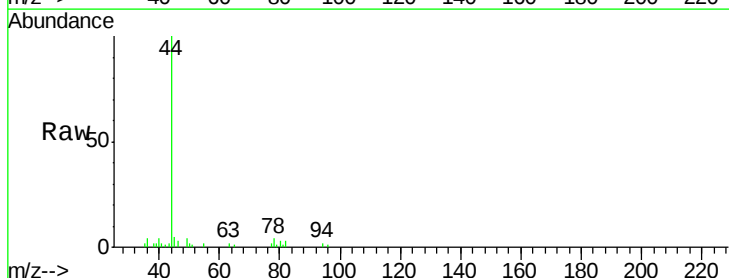
Acq: 20 Jul 2018 23:10

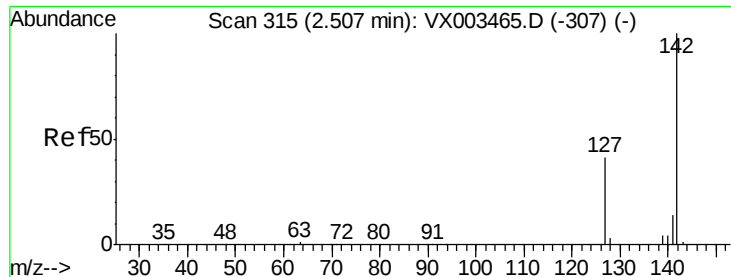
Tgt Ion: 94 Resp: 207

Ion Ratio Lower Upper

94 100

96 55.6 74.9 112.3#

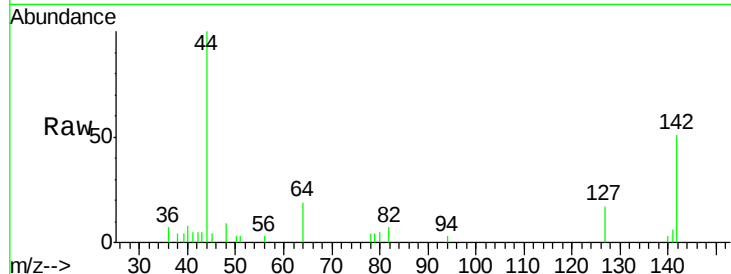




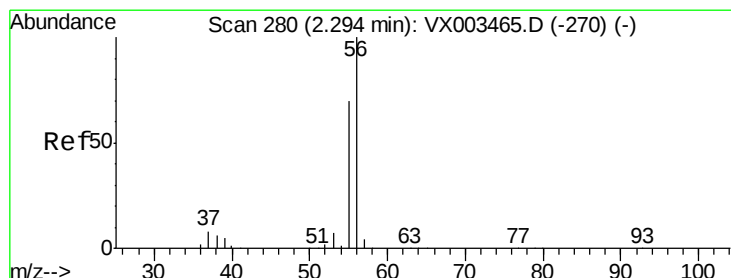
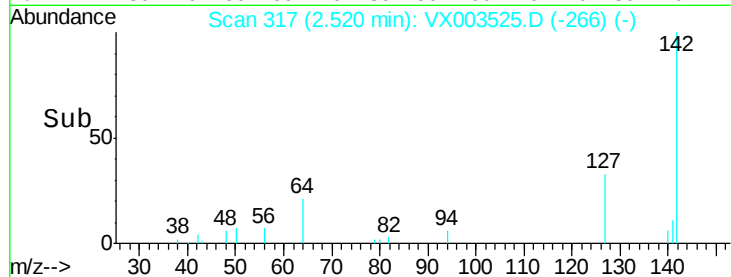
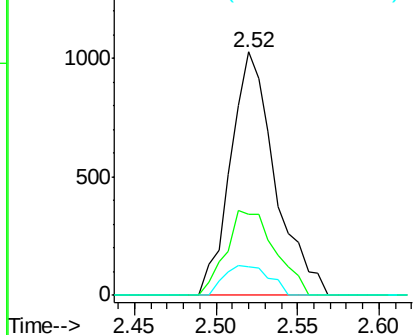
#10
Methvl Iodide
Concen: 0.52 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003525.D
Acq: 20 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampled :
TB02-070318

Tot Ion:142 Resp: 1946
Ion Ratio Lower Upper
142 100
127 38.1 36.6 55.0
141 12.5 11.3 16.9

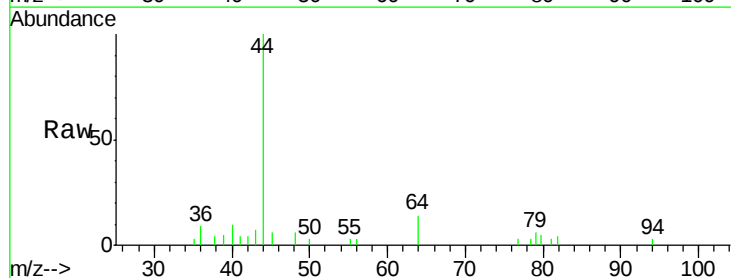


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

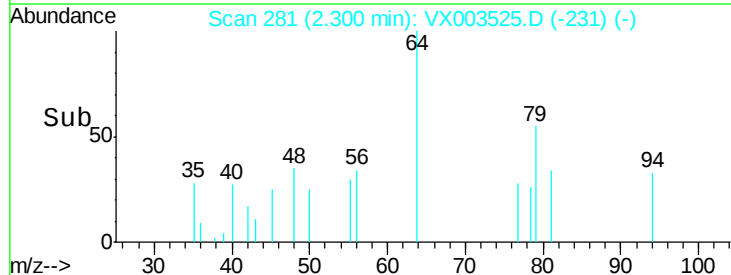
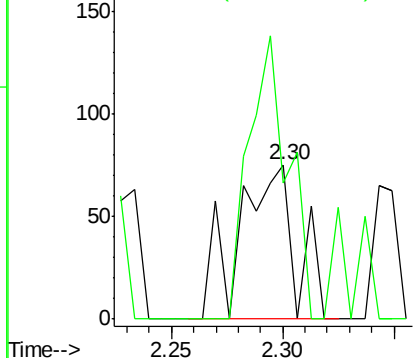


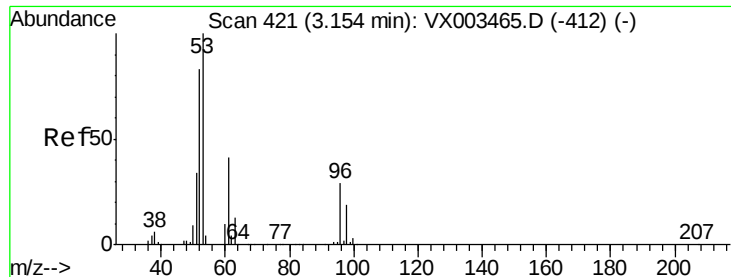
#13
Acrolein
Concen: 0.46 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003525.D
Acq: 20 Jul 2018 23:10

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 125.2 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: 0.26 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

TB02-070318

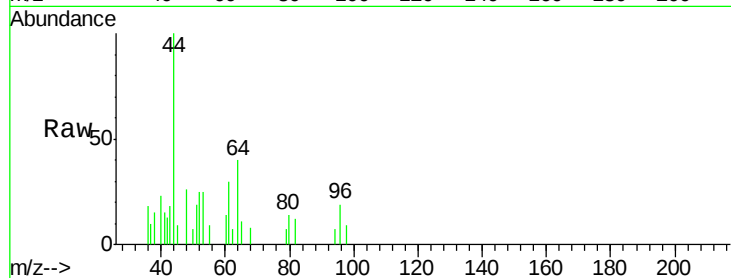
Tot Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 99.1 66.7 100.1

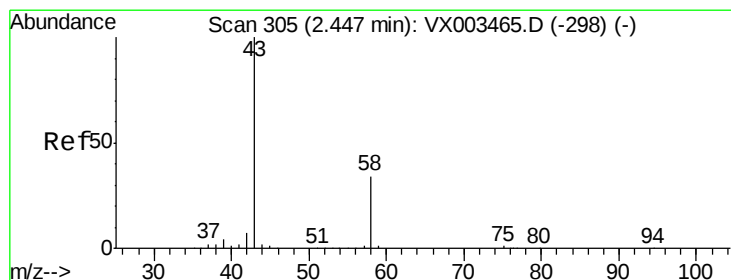
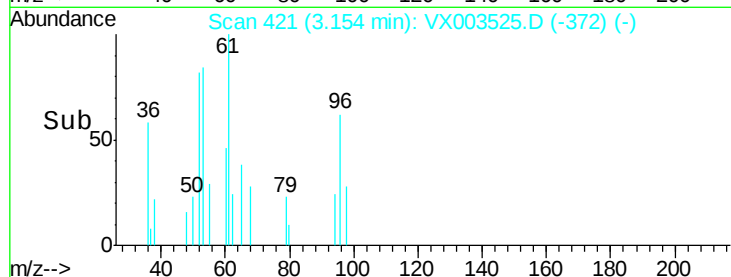
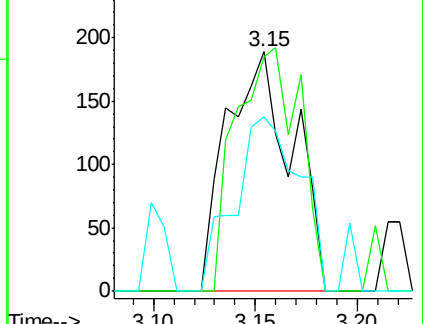
51 72.9 29.9 44.9#



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: 3.70 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003525.D

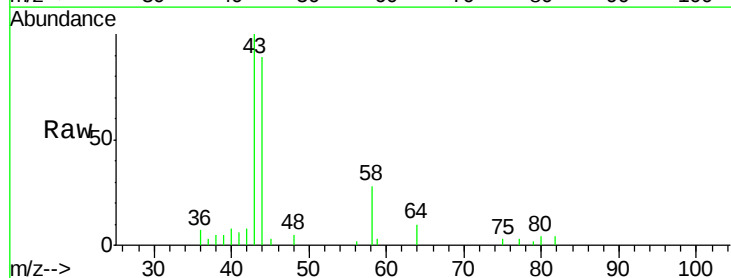
Acq: 20 Jul 2018 23:10

Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

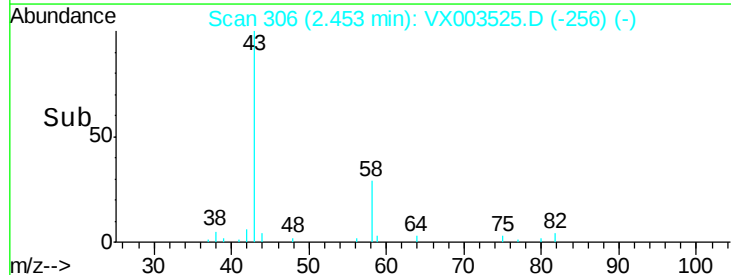
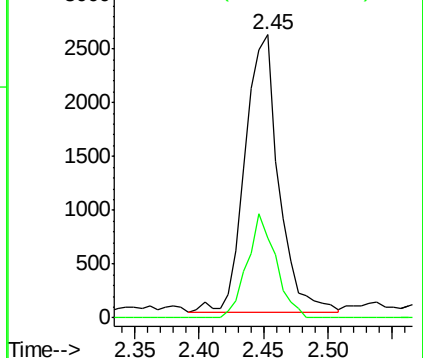
43 100

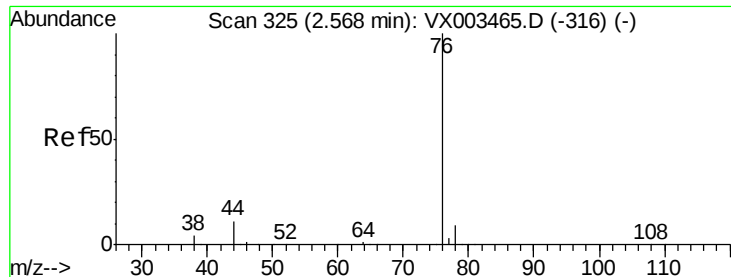
58 29.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

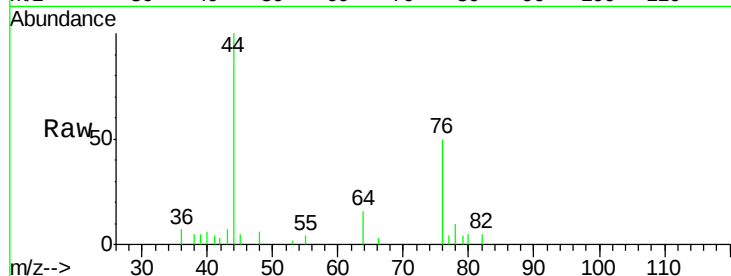
TB02-070318

Tot Ion: 76 Resp: 1801

Ion Ratio Lower Upper

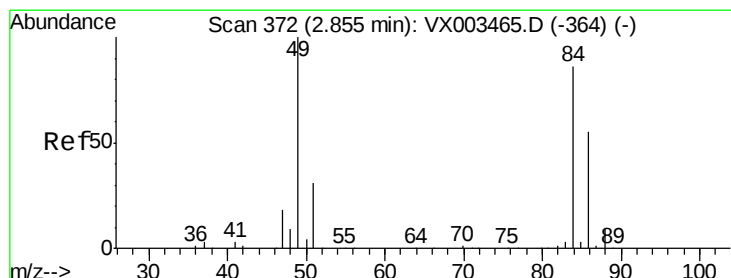
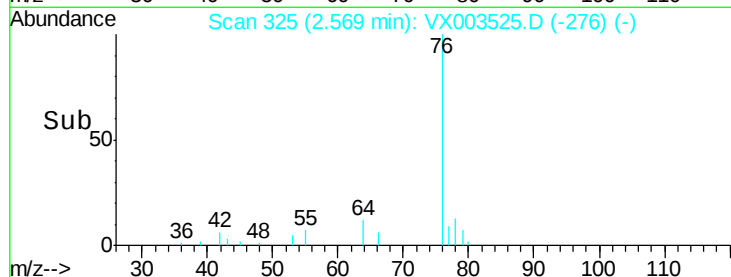
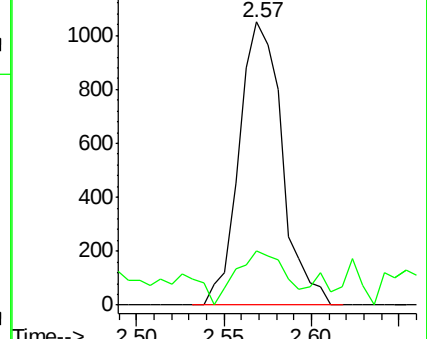
76 100

78 12.9 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Tgt Ion: 84 Resp: 998

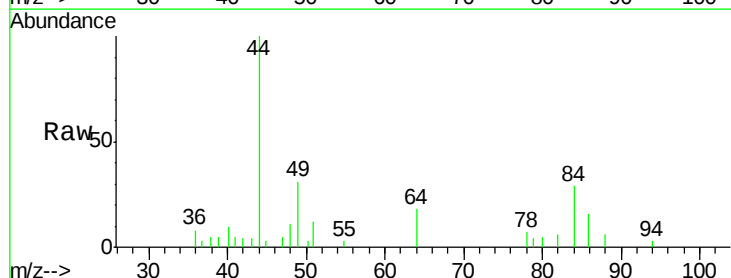
Ion Ratio Lower Upper

84 100

49 104.2 107.8 161.6#

51 39.2 32.8 49.2

86 55.8 52.5 78.7

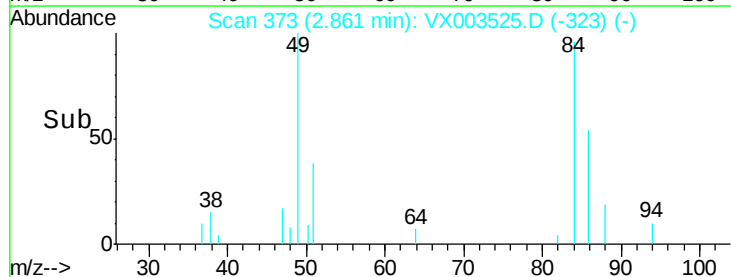
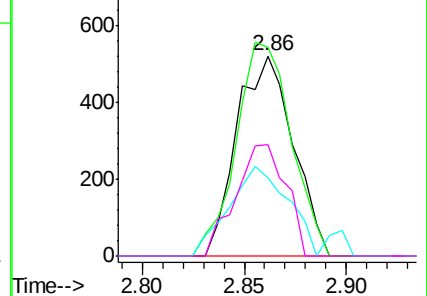


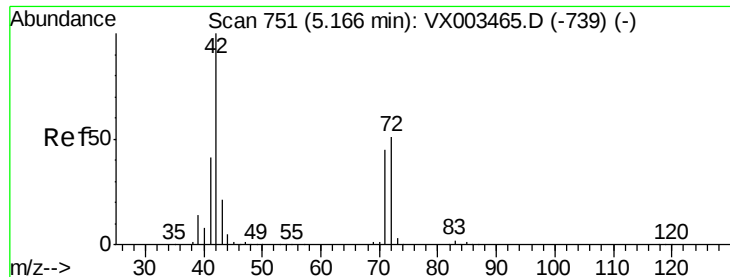
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#29

Tetrahydrofuran

Concen: 0.57 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

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ClientSampleId :

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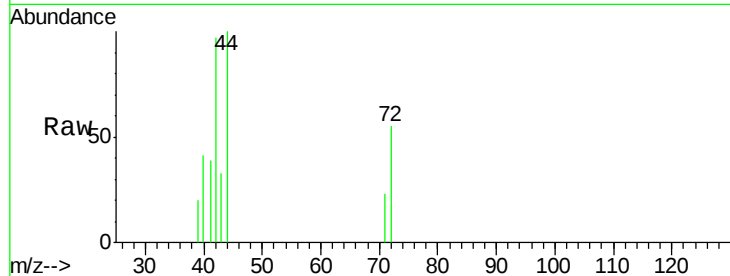
Tot Ion: 42 Resp: 795

Ion Ratio Lower Upper

42 100

72 16.5 32.0 48.0#

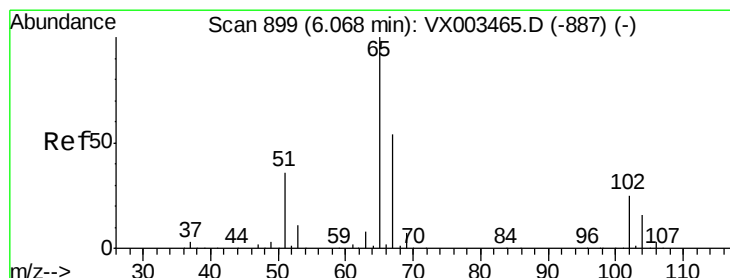
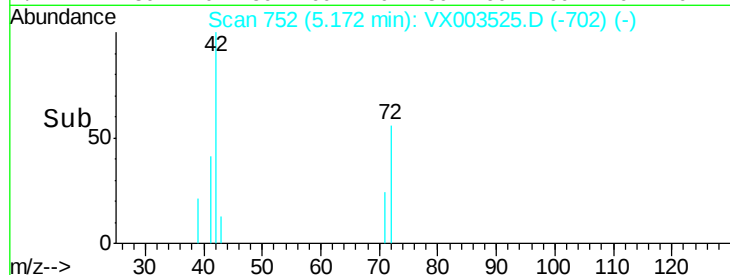
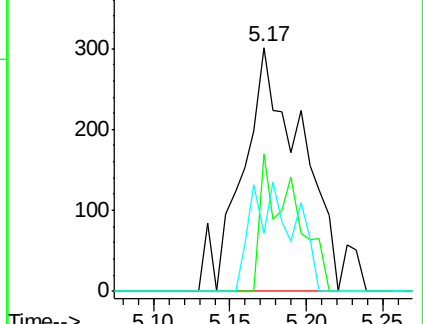
71 11.9 30.1 45.1#



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: 54.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003525.D

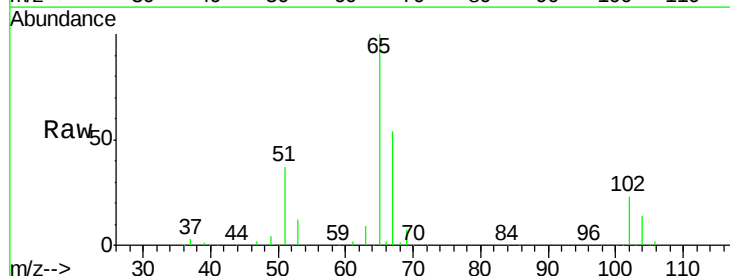
Acq: 20 Jul 2018 23:10

Tgt Ion: 65 Resp: 178591

Ion Ratio Lower Upper

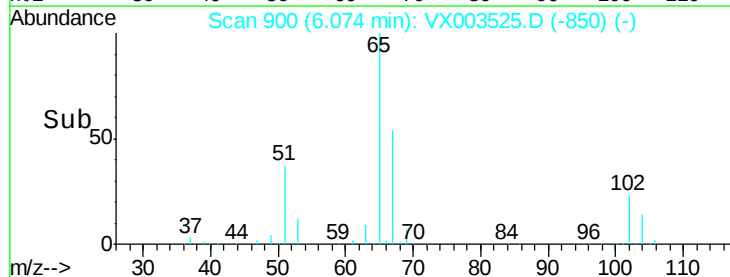
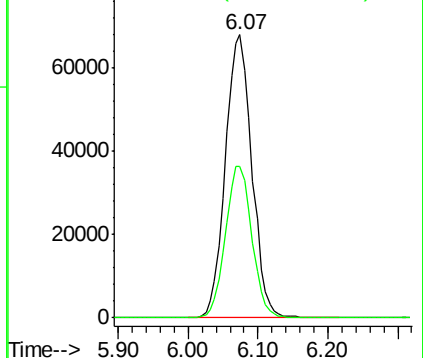
65 100

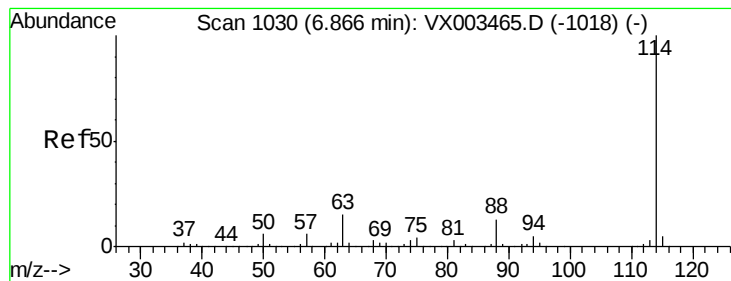
67 53.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

TB02-070318

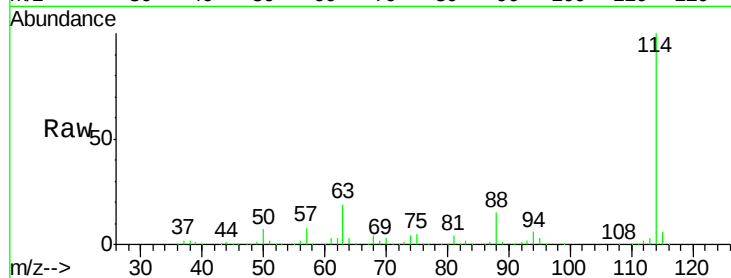
Tot Ion:114 Resp: 411097

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

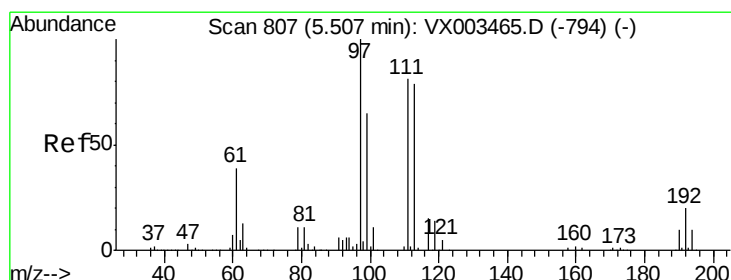
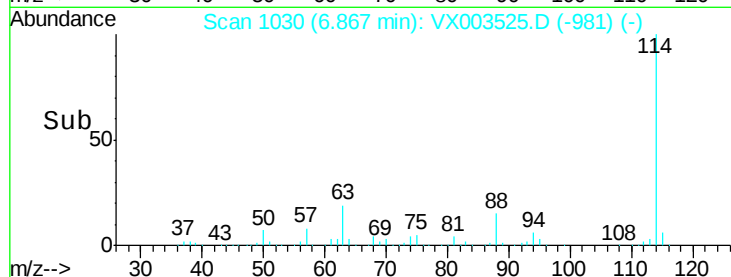
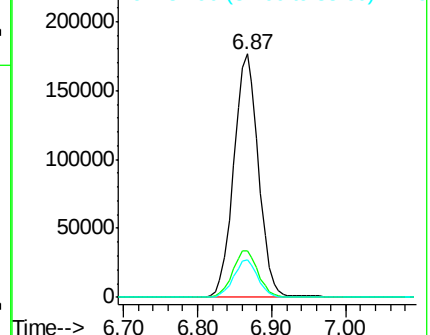
88 15.4 0.0 30.0



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: 50.87 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

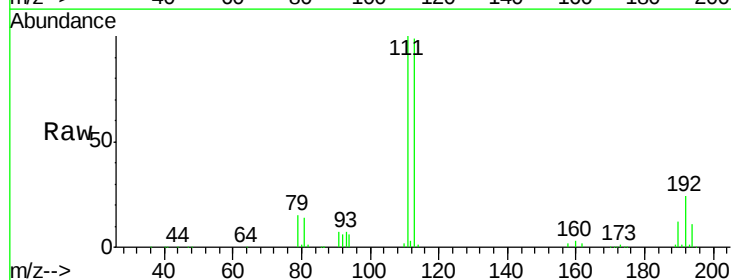
Tgt Ion:113 Resp: 159271

Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.0

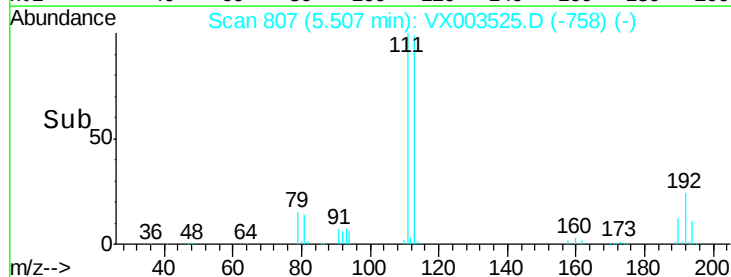
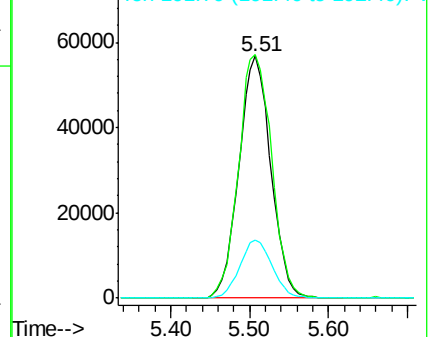
192 24.4 19.1 28.7

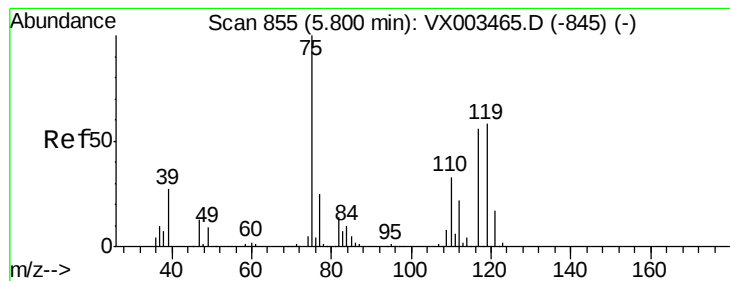


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

TB02-070318

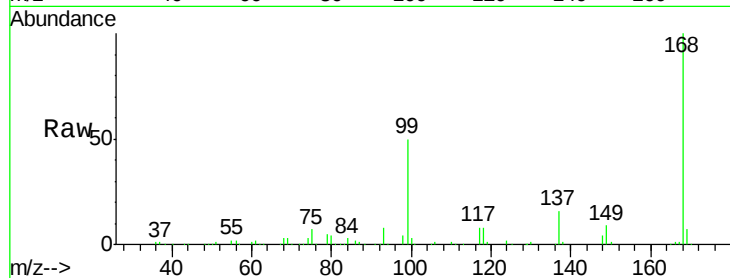
Tot Ion: 75 Resp: 17603

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

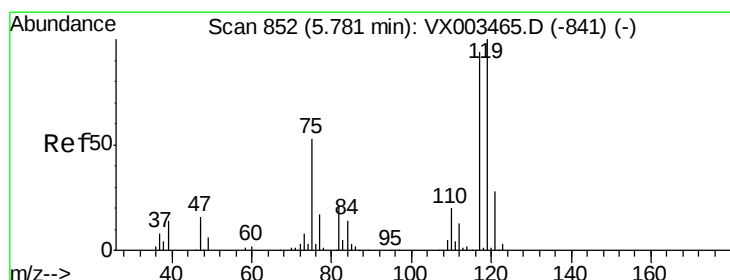
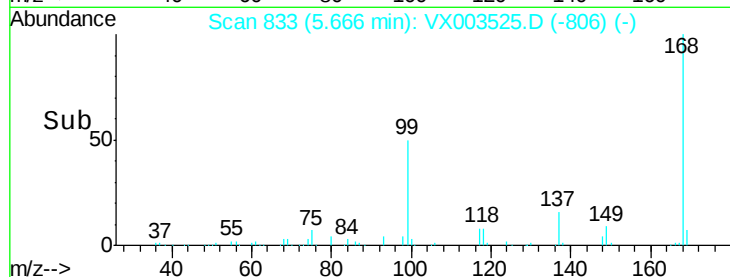
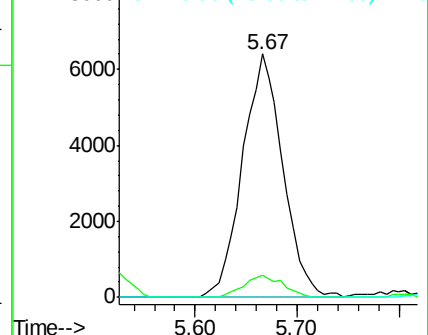
77 0.0 24.3 36.5#



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: 5.52 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

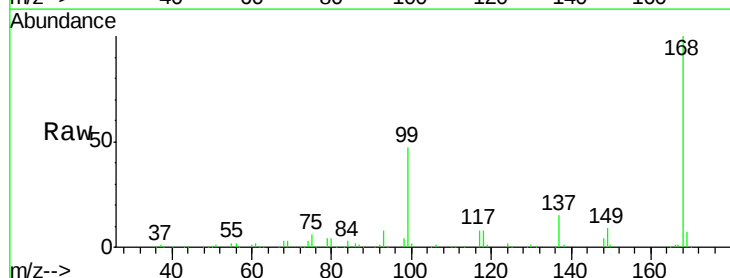
Tgt Ion: 117 Resp: 24046

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

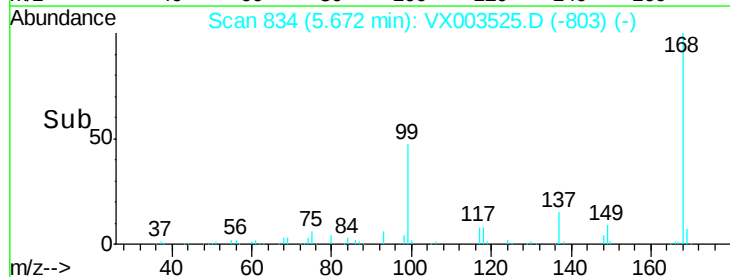
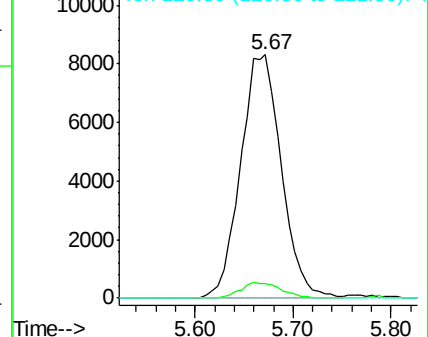
121 0.0 24.4 36.6#

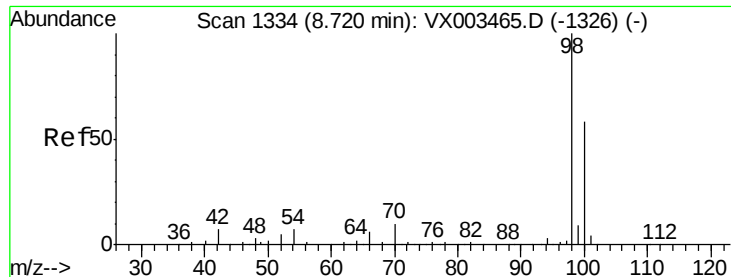


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

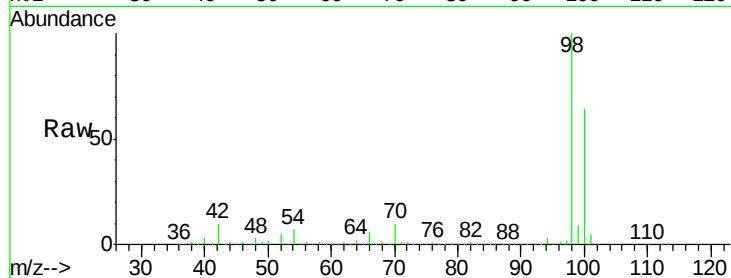
TB02-070318

Tot Ion: 98 Resp: 589490

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

8.72

400000

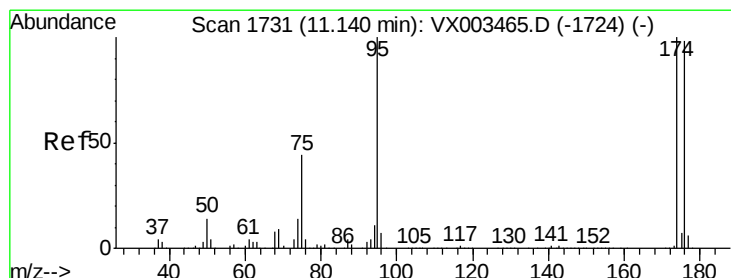
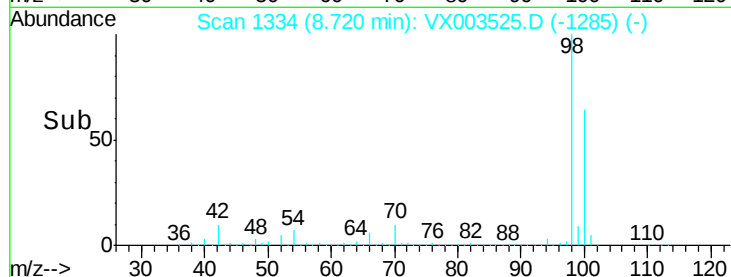
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

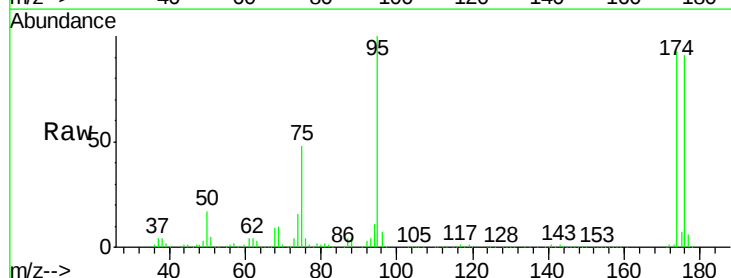
Tgt Ion: 95 Resp: 198415

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

176 91.8 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

11.14

200000

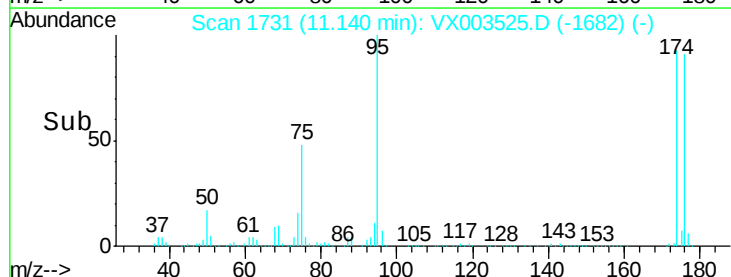
150000

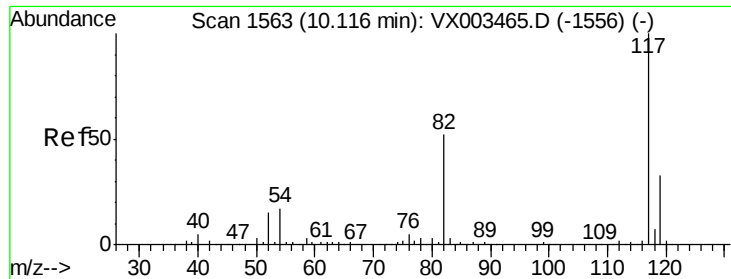
100000

50000

0

Time-->

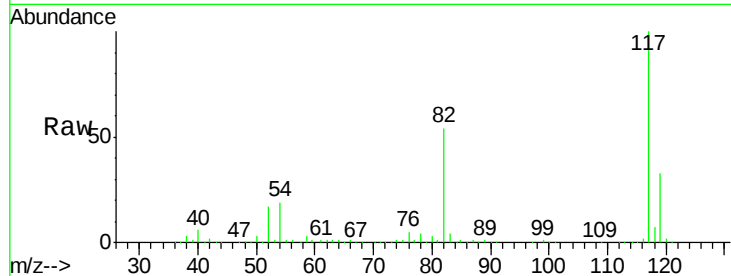




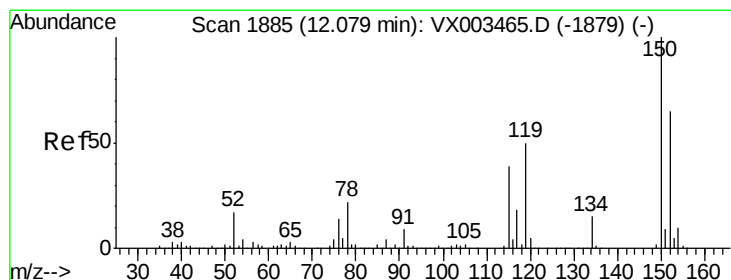
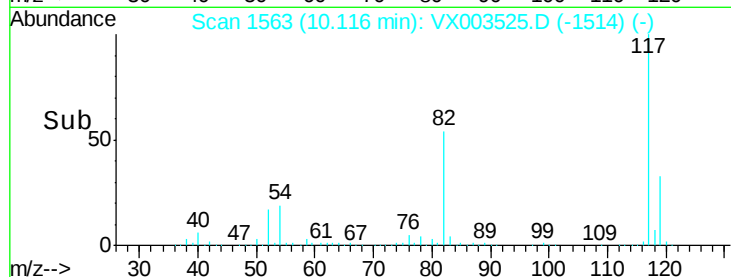
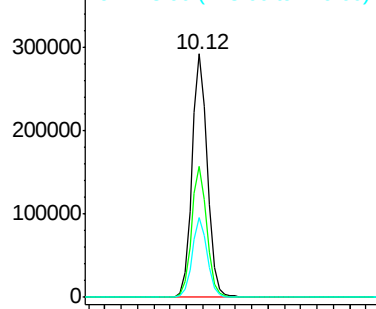
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003525.D
Acq: 20 Jul 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
TB02-070318

Tot Ion:117 Resp: 384910
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.7 25.8 38.6

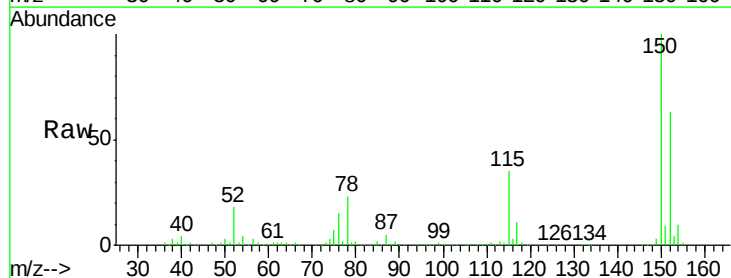


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

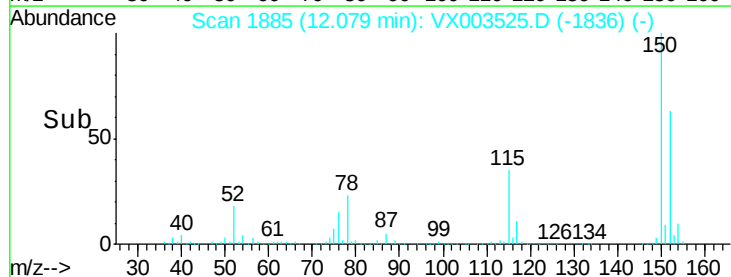
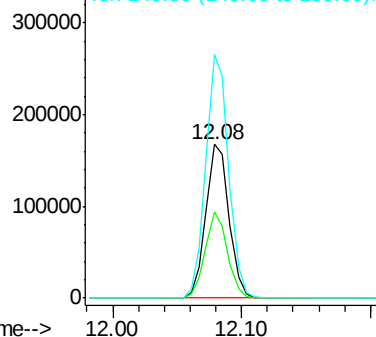


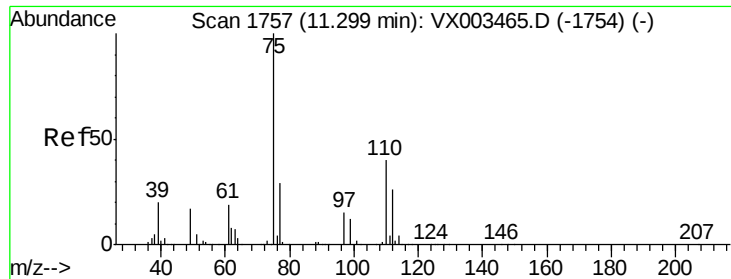
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003525.D
Acq: 20 Jul 2018 23:10

Tgt Ion:152 Resp: 210818
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 156.4 0.0 347.2



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





#76

1,2,3-Trichloropropane

Concen: 25.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

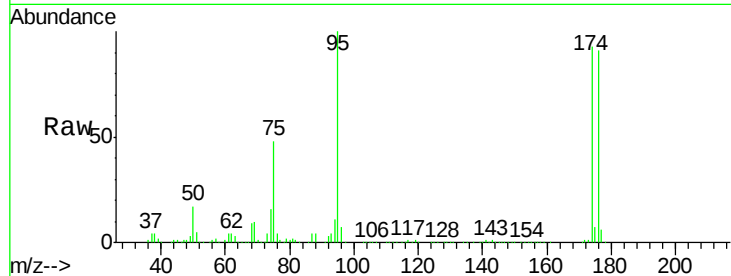
TB02-070318

Tot Ion: 75 Resp: 95336

Ion Ratio Lower Upper

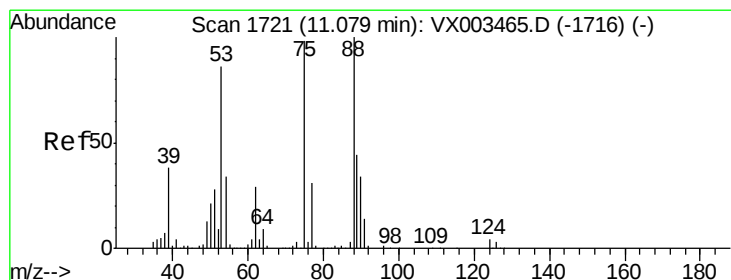
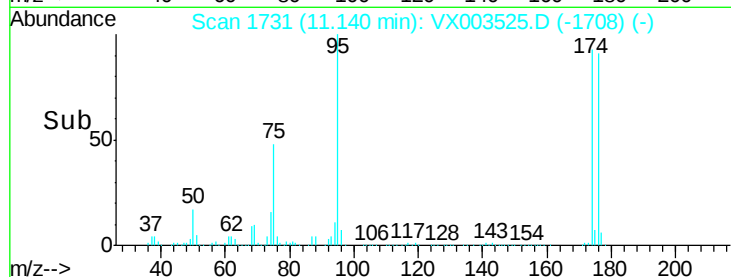
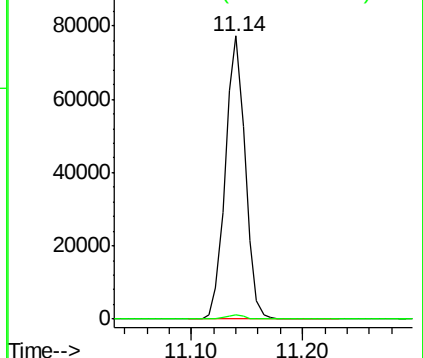
75 100

77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003525.D

Acq: 20 Jul 2018 23:10

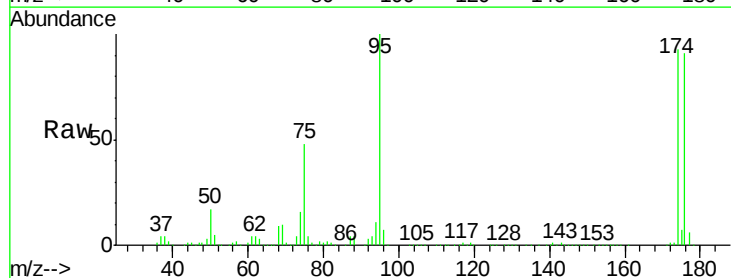
Tgt Ion: 75 Resp: 95336

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

