

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
 Data File : VX003321.D
 Acq On : 11 Jul 2018 15:46
 Operator : JC/MD
 Sample : VX0711WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

Quant Time: Jul 12 00:55:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	262654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166332	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	160025	38.71	ug/l	0.00
Spiked Amount			Recovery	=	77.42%	
35) Dibromofluoromethane	5.50	113	148369	39.10	ug/l	0.00
Spiked Amount			Recovery	=	78.20%	
50) Toluene-d8	8.72	98	501135	37.18	ug/l	0.00
Spiked Amount			Recovery	=	74.36%	
62) 4-Bromofluorobenzene	11.14	95	165266	33.19	ug/l	0.00
Spiked Amount			Recovery	=	66.38%	

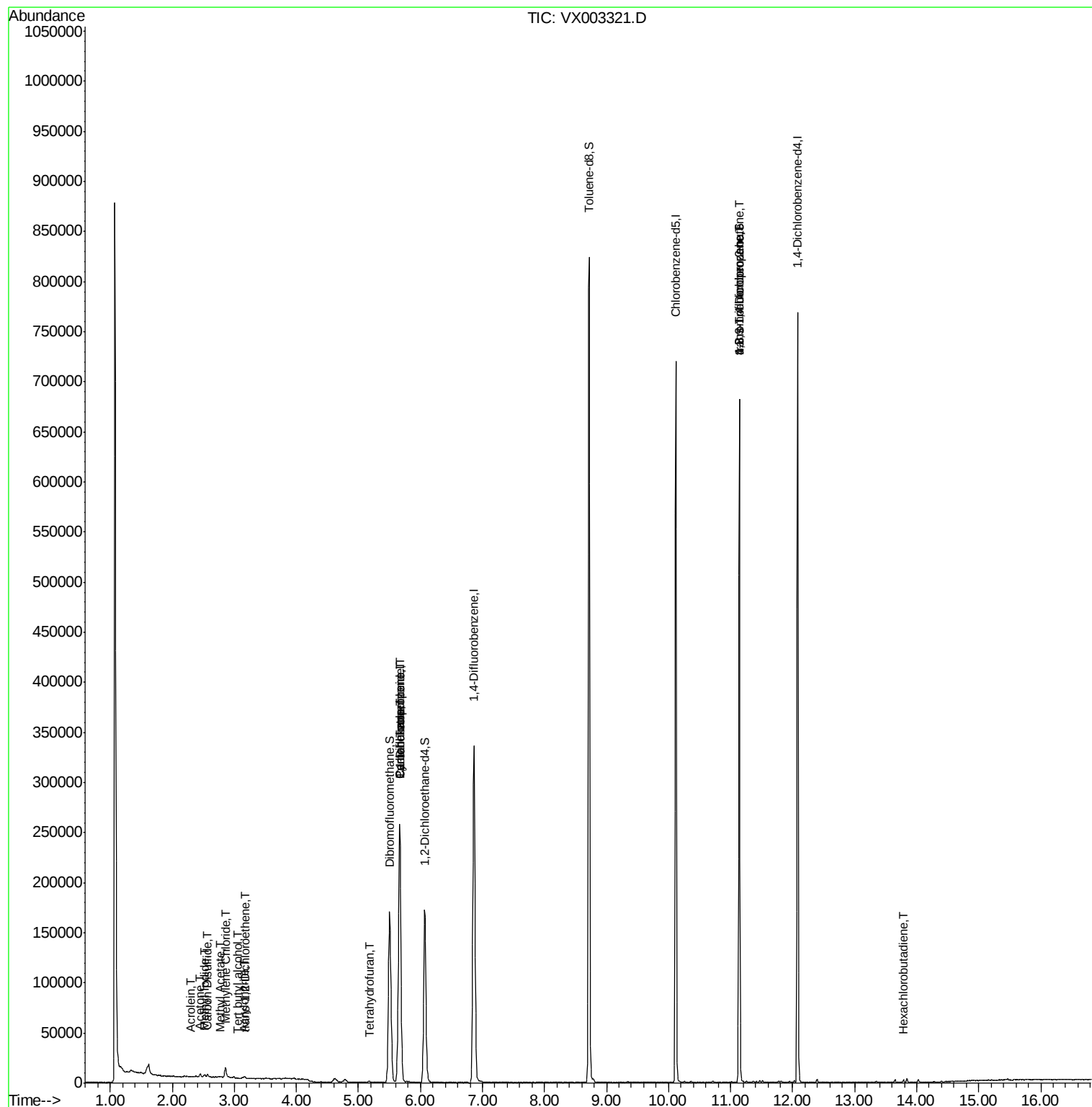
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1341	Below Cal		96
10) Methyl Iodide	2.52	142	2767	6.34	ug/l #	91
11) Tert butyl alcohol	3.05	59	170	0.23	ug/l	97
13) Acrolein	2.29	56	558	0.92	ug/l #	55
15) Acrylonitrile	3.15	53	891	0.53	ug/l #	78
16) Acetone	2.45	43	3206	2.18	ug/l	91
17) Carbon Disulfide	2.57	76	3547	0.43	ug/l #	88
18) Methyl Acetate	2.78	43	969	0.23	ug/l	97
20) Methylene Chloride	2.86	84	4641	0.85	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	647	0.21	ug/l #	44
29) Tetrahydrofuran	5.18	42	1175	0.70	ug/l #	89
31) Cyclohexane	5.67	56	5205	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18142	3.63	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22724	4.15	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	82518	22.96	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82518	75.03	ug/l #	7
94) Hexachlorobutadiene	13.79	225	645	0.25	ug/l	93

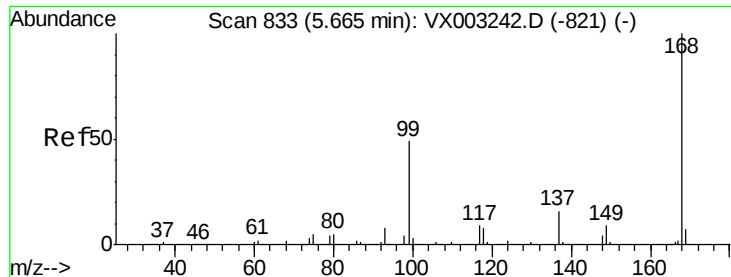
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 12 00:55:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

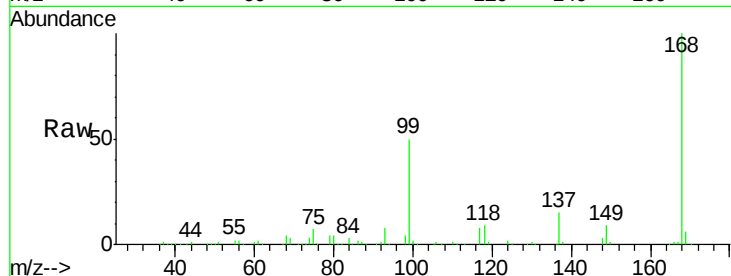
VX0711WBL01

Tot Ion:168 Resp: 262654

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

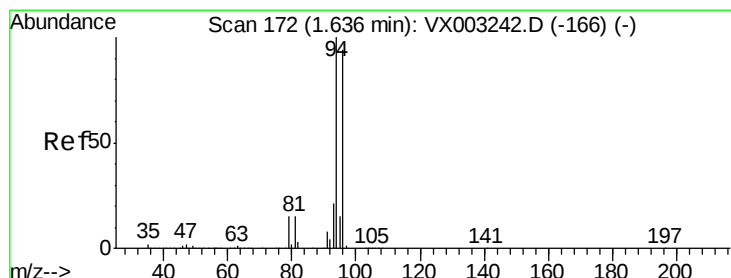
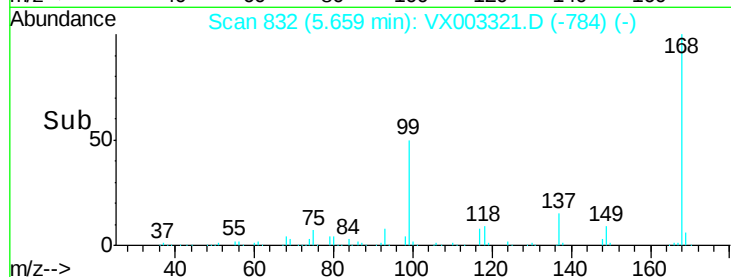
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003321.D

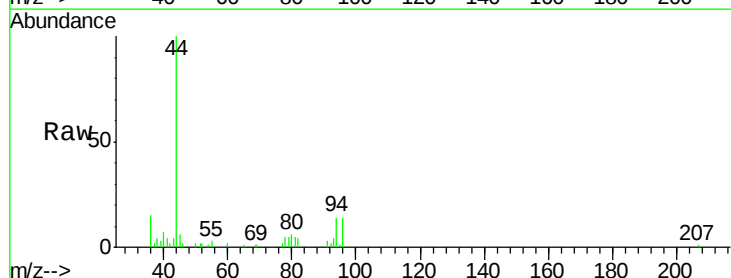
Acq: 11 Jul 2018 15:46

Tgt Ion: 94 Resp: 1341

Ion Ratio Lower Upper

94 100

96 97.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

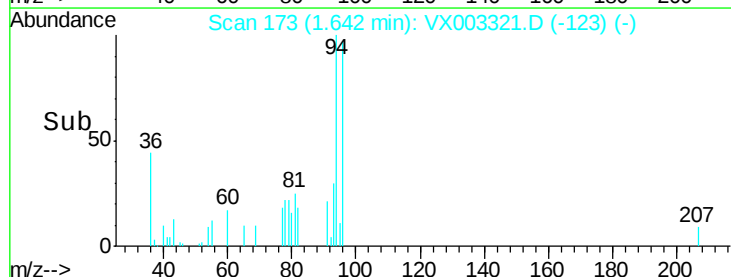
600

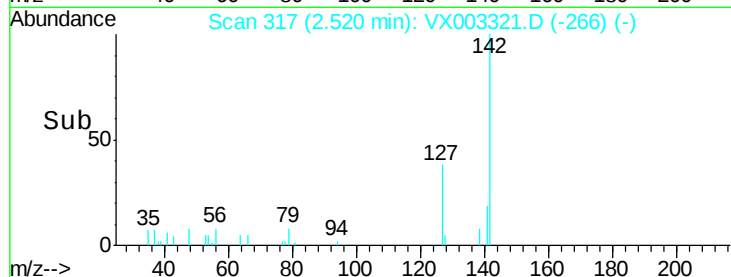
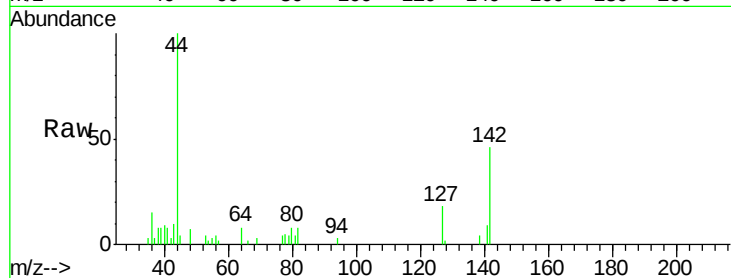
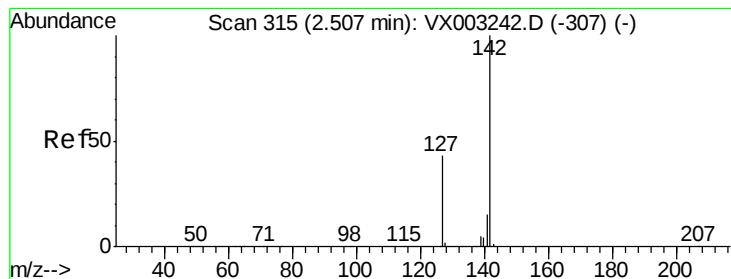
400

200

0

Time--> 1.60 1.65 1.70





#10

Methyl Iodide

Concen: 6.34 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

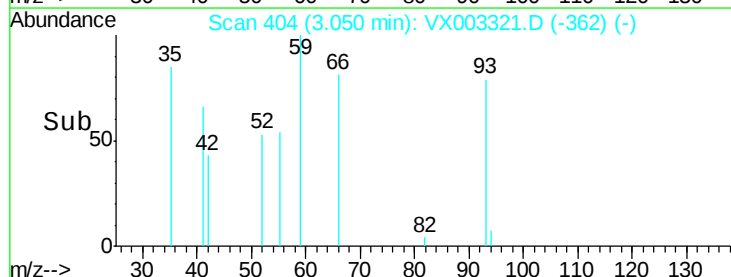
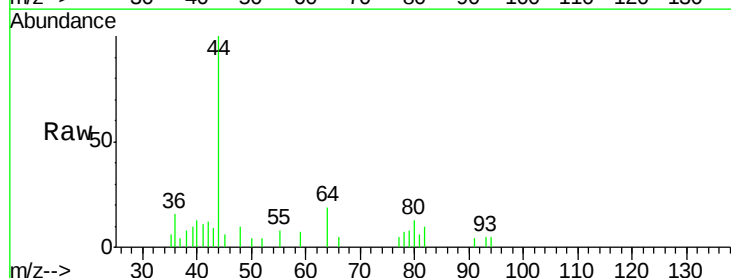
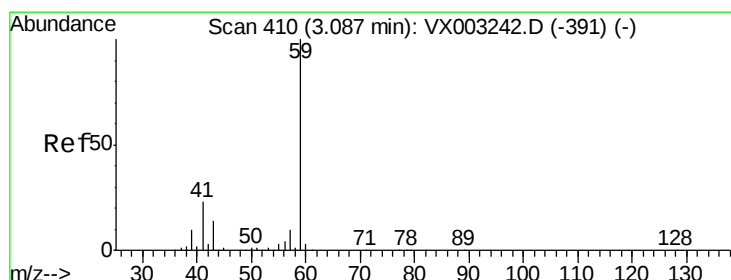
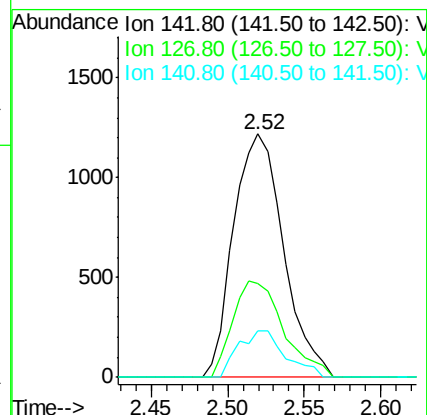
Tot Ion:142 Resp: 2767

Ion Ratio Lower Upper

142 100

127 40.0 36.6 55.0

141 17.9 11.3 16.9#



#11

Tert butyl alcohol

Concen: 0.23 ug/l

RT: 3.05 min Scan# 404

Delta R.T. -0.04 min

Lab File: VX003321.D

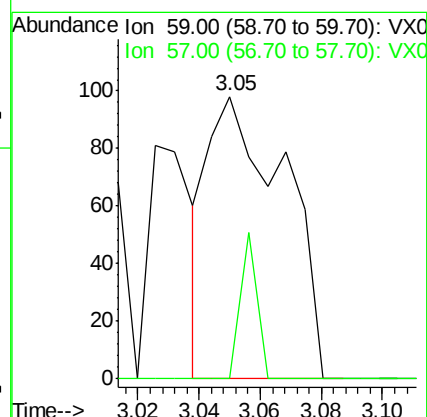
Acq: 11 Jul 2018 15:46

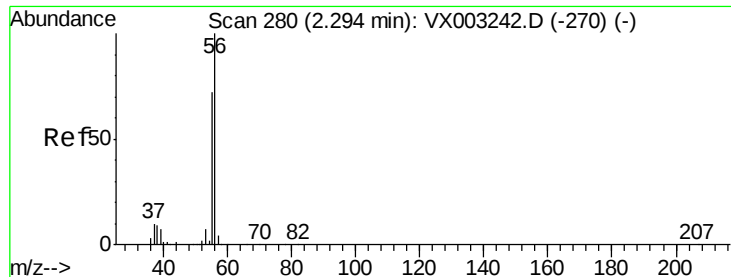
Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 11.2 8.2 12.2





#13

Acrolein

Concen: 0.92 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

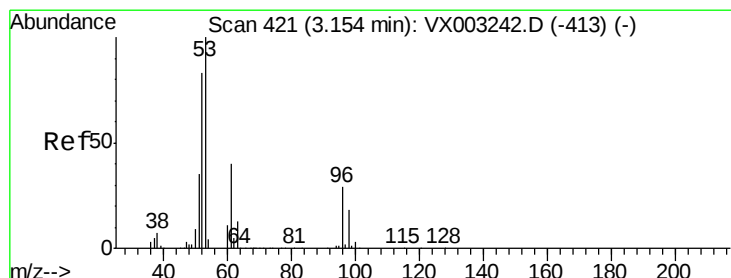
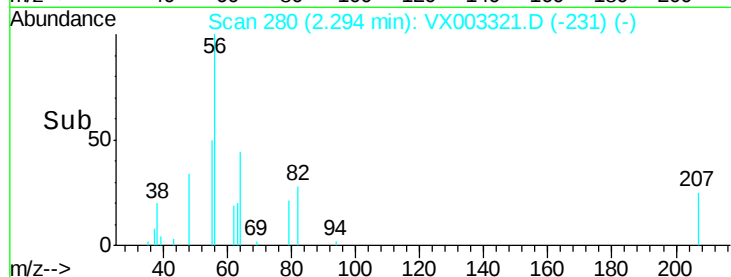
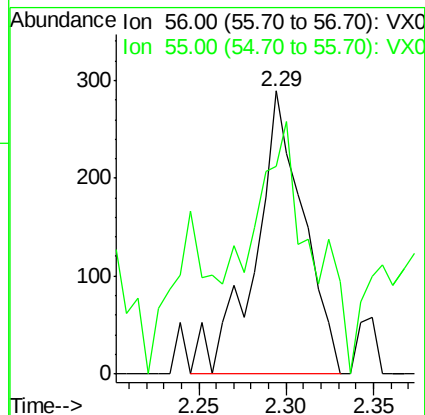
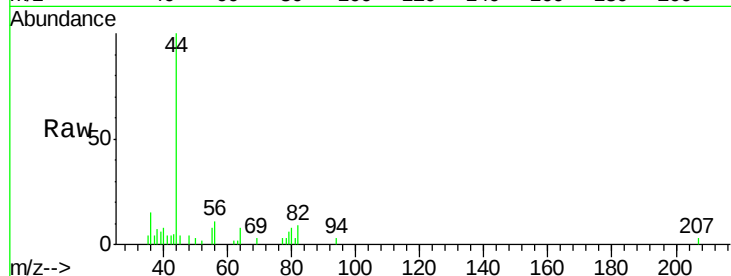
VX0711WBL01

Tot Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 108.6 57.0 85.4#



#15

Acrylonitrile

Concen: 0.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

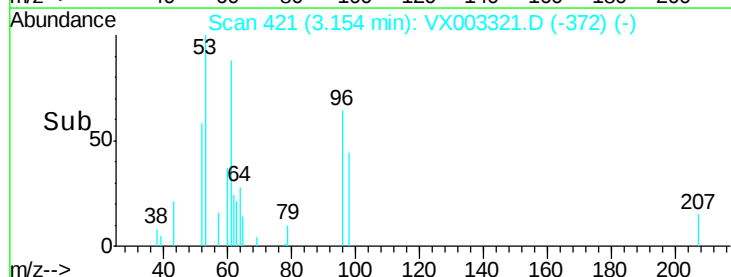
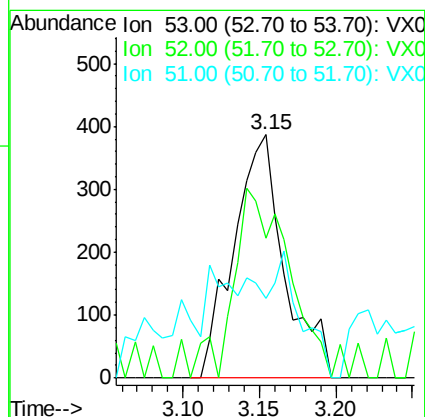
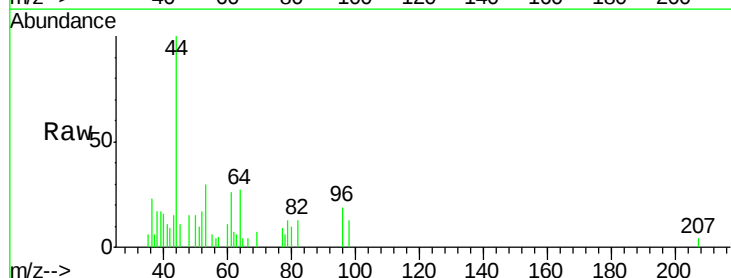
Tgt Ion: 53 Resp: 891

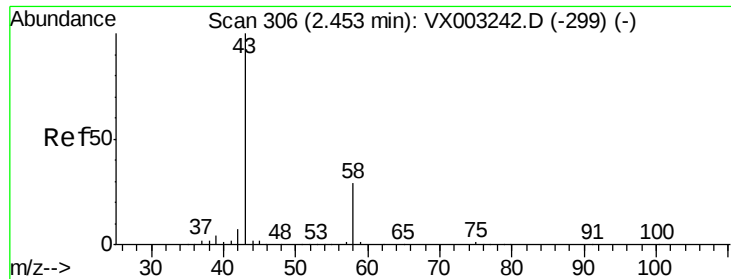
Ion Ratio Lower Upper

53 100

52 87.4 66.7 100.1

51 0.0 29.9 44.9#





#16

Acetone

Concen: 2.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

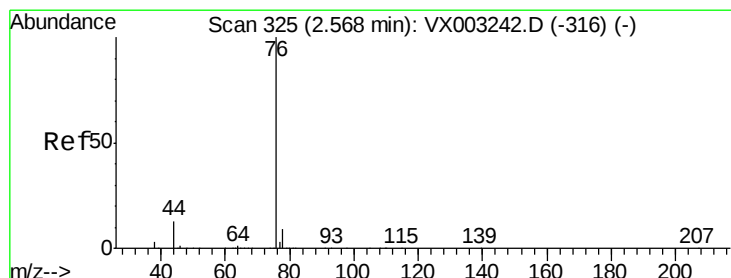
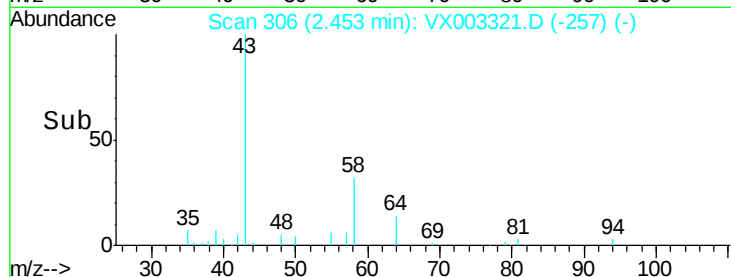
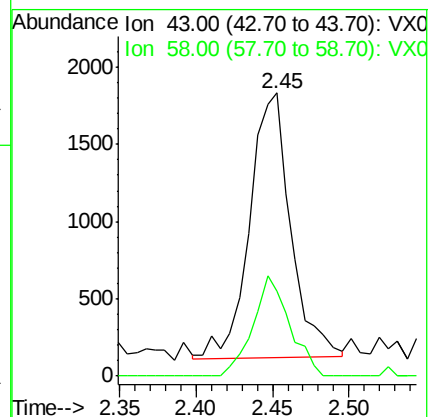
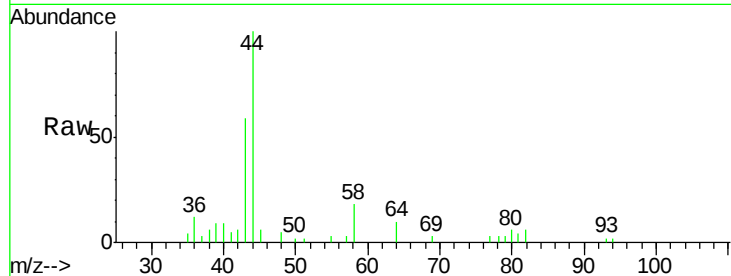
VX0711WBL01

Tot Ion: 43 Resp: 3206

Ion Ratio Lower Upper

43 100

58 32.5 22.1 33.1



#17

Carbon Disulfide

Concen: 0.43 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003321.D

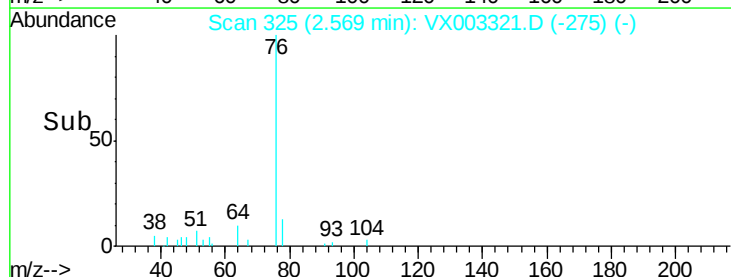
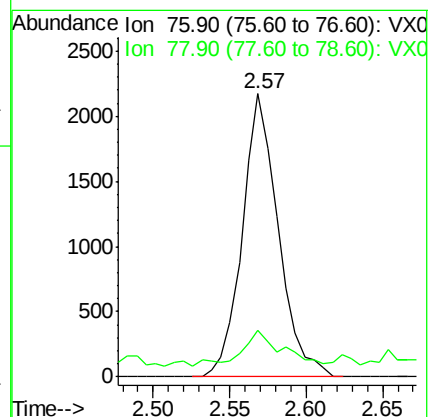
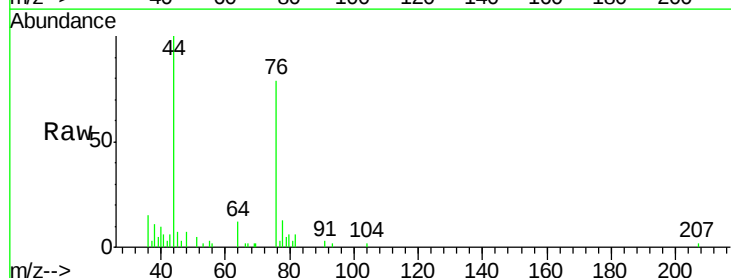
Acq: 11 Jul 2018 15:46

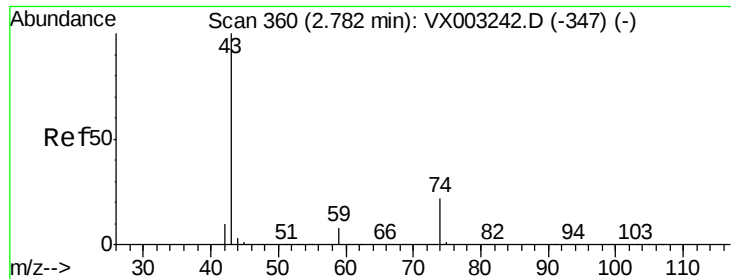
Tgt Ion: 76 Resp: 3547

Ion Ratio Lower Upper

76 100

78 12.8 6.9 10.3#

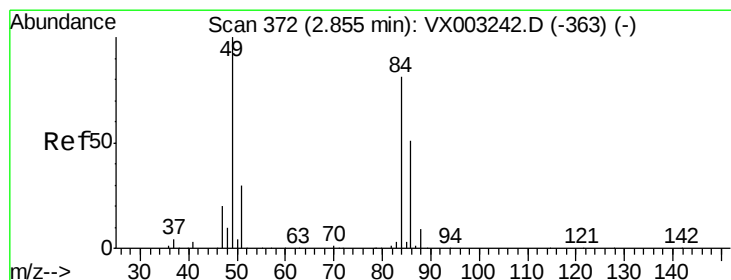
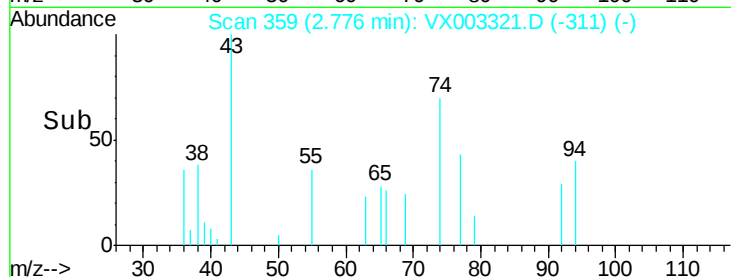
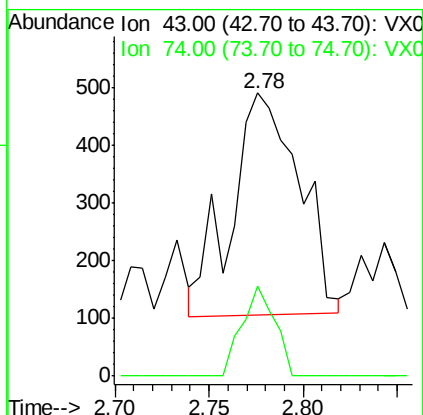
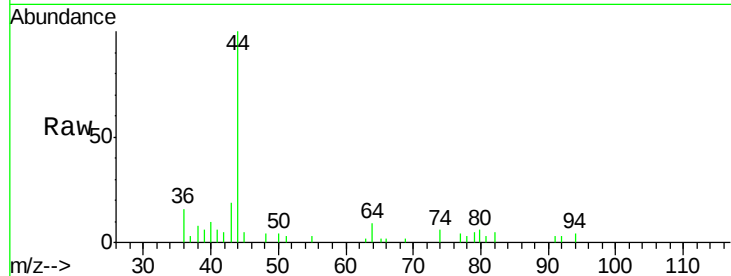




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

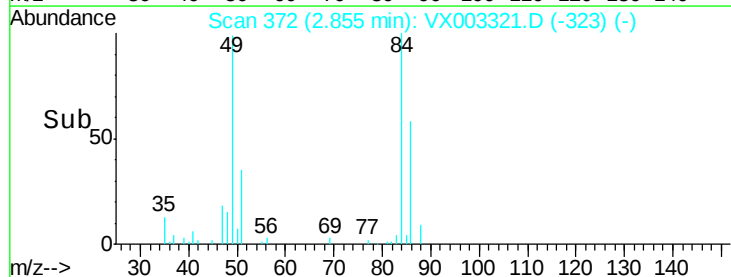
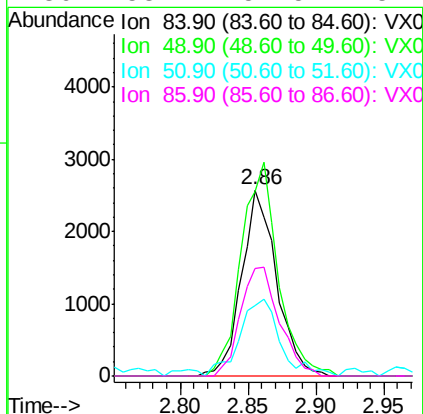
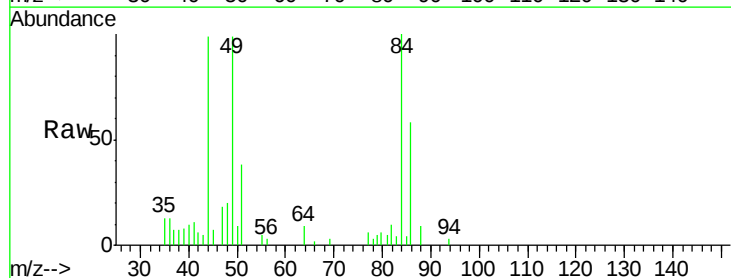
Instrument :
MSVOA_X
ClientSampled :
VX0711WBL01

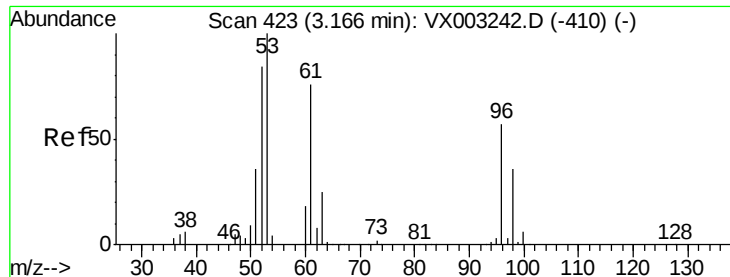
Tot Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
74 19.5 16.7 25.1



#20
Methylene Chloride
Concen: 0.85 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

Tgt Ion: 84 Resp: 4641
Ion Ratio Lower Upper
84 100
49 99.3 107.8 161.6#
51 38.1 32.8 49.2
86 58.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.21 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

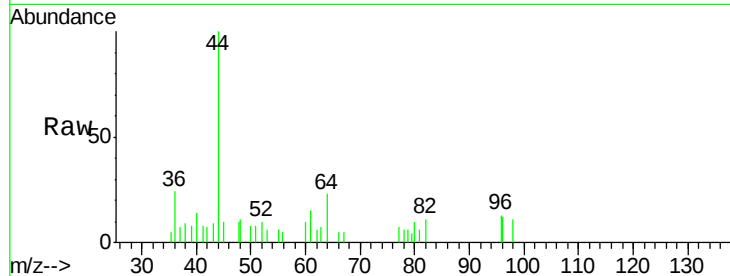
Tot Ion: 96 Resp: 647

Ion Ratio Lower Upper

96 100

61 59.7 117.0 175.4#

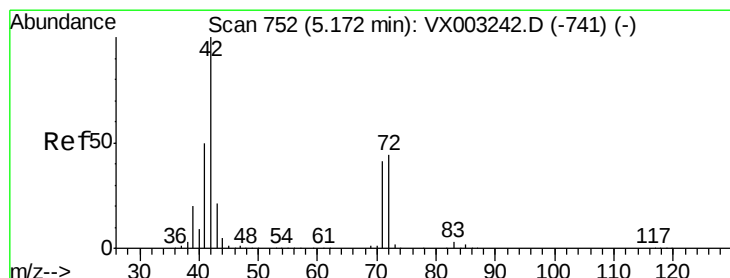
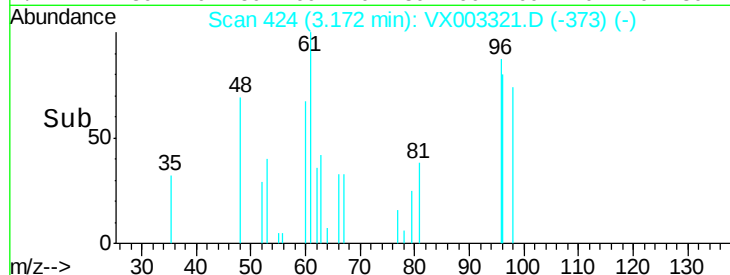
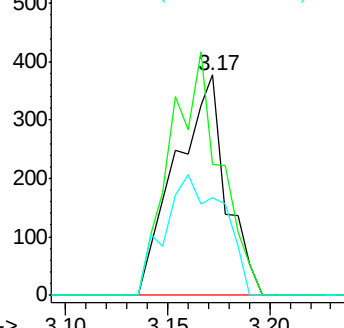
98 44.0 52.4 78.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

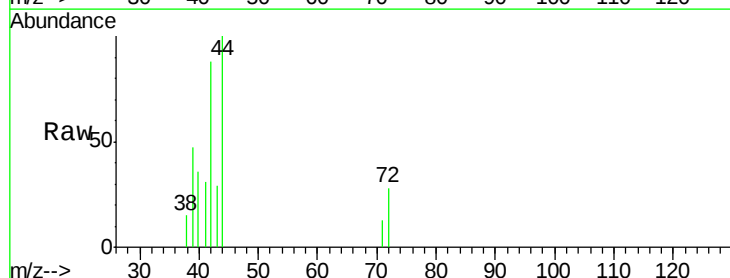
Tgt Ion: 42 Resp: 1175

Ion Ratio Lower Upper

42 100

72 41.0 32.0 48.0

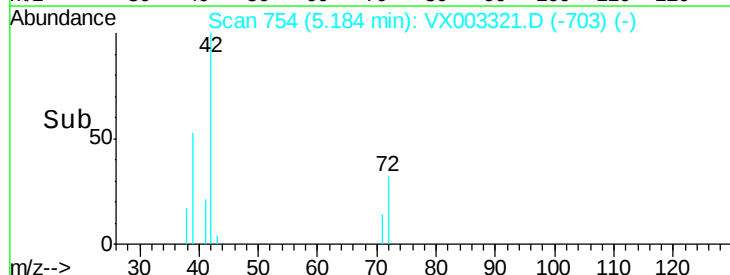
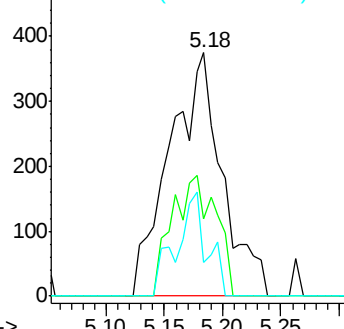
71 24.7 30.1 45.1#

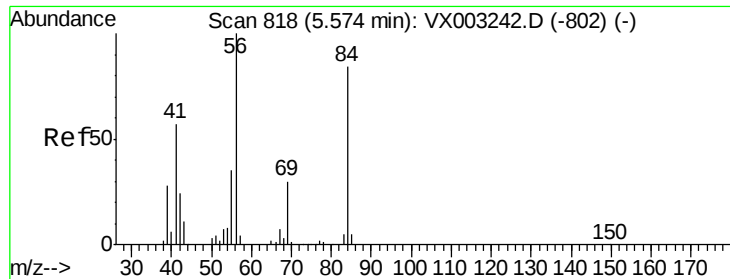


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

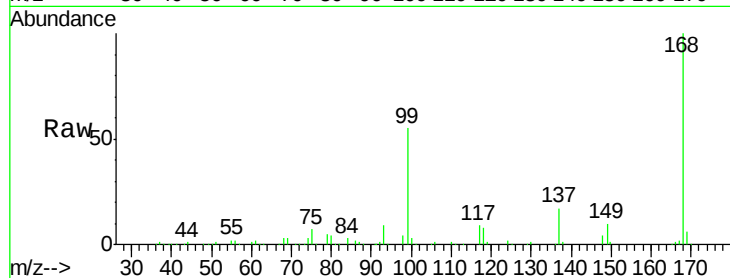




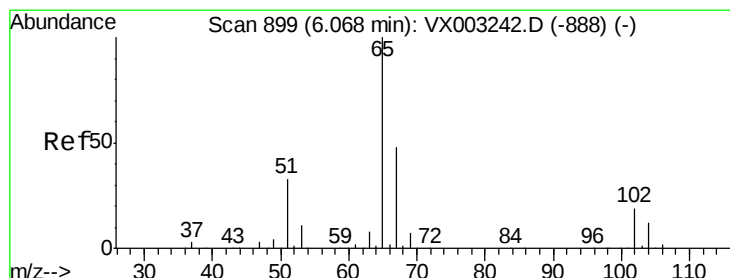
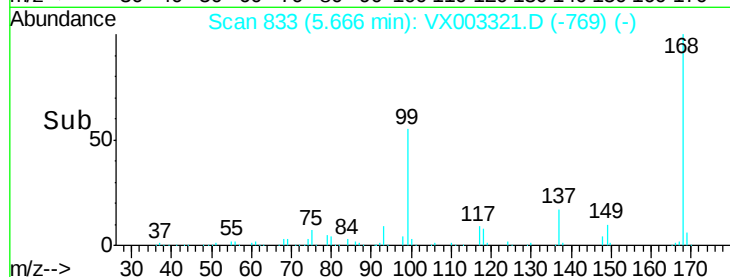
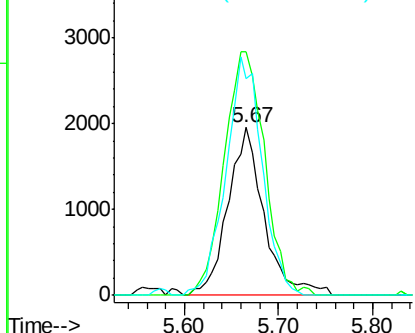
#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBL01

Tot Ion: 56 Resp: 5205
Ion Ratio Lower Upper
56 100
69 145.0 23.7 35.5#
84 129.4 64.1 96.1#

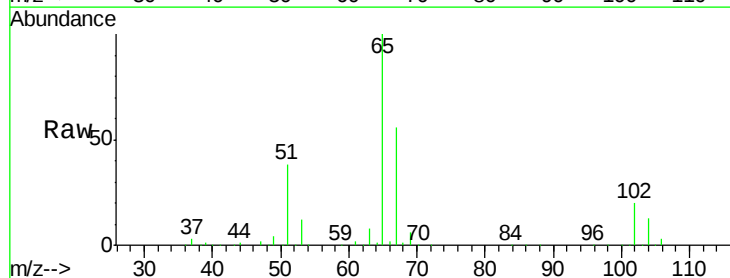


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

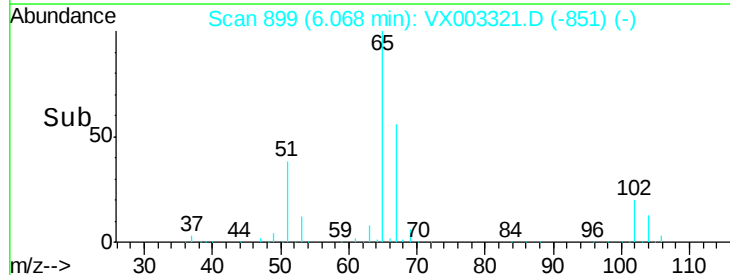
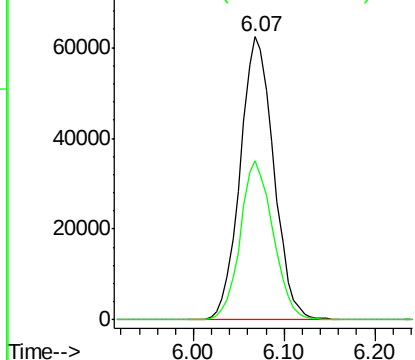


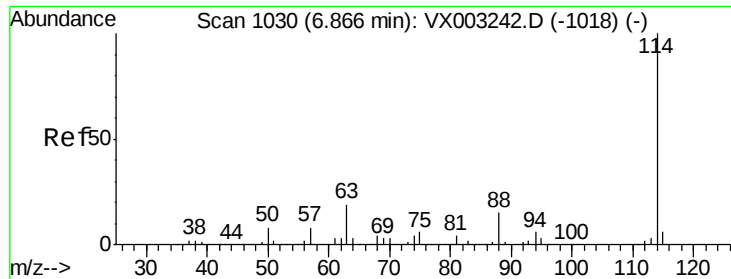
#33
1,2-Dichloroethane-d4
Concen: 38.71 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

Tgt Ion: 65 Resp: 160025
Ion Ratio Lower Upper
65 100
67 55.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

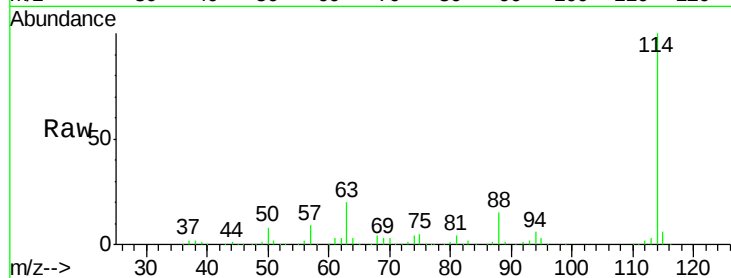




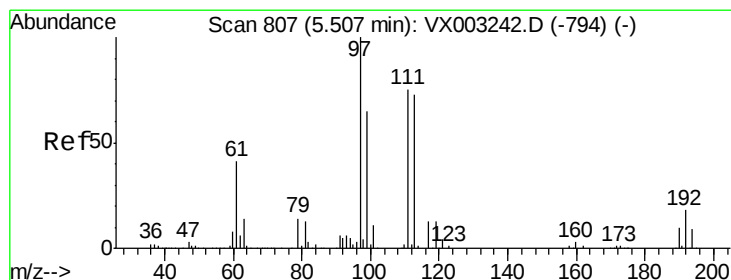
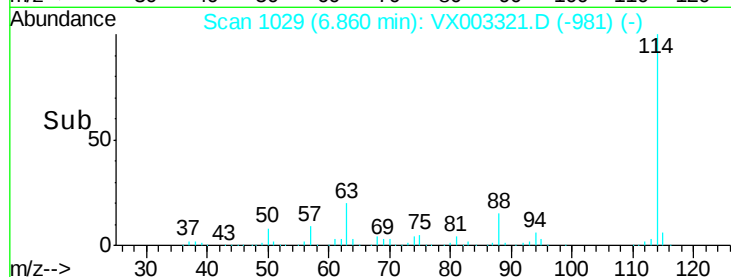
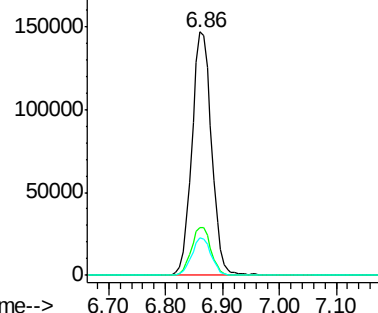
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

Tot Ion:114 Resp: 353174
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 30.0

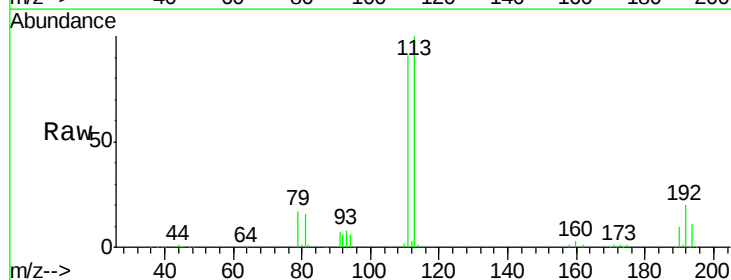


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

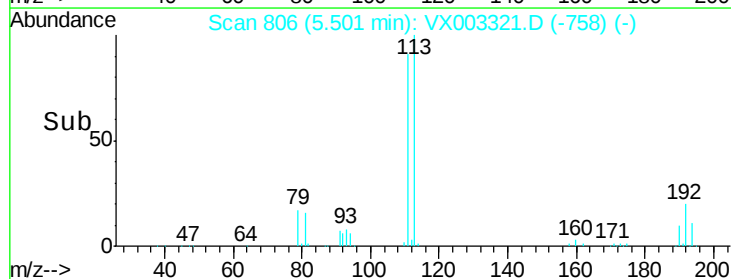
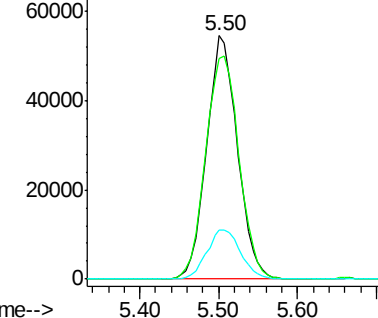


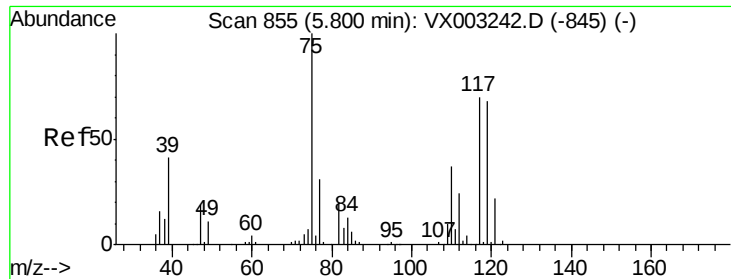
#35
 Dibromofluoromethane
 Concen: 39.10 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

Tgt Ion:113 Resp: 148369
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.4 122.0
 192 22.1 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

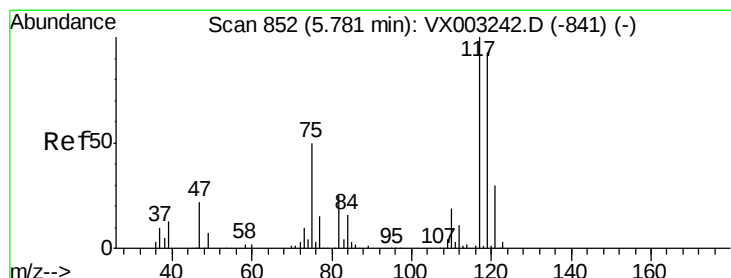
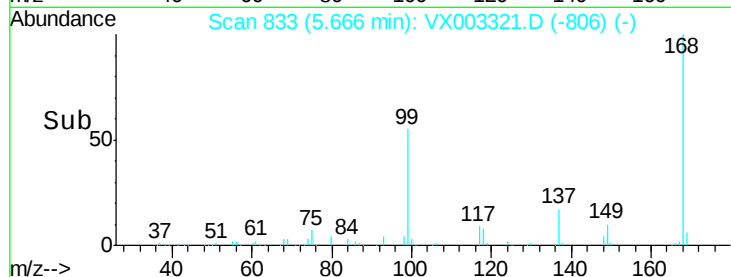
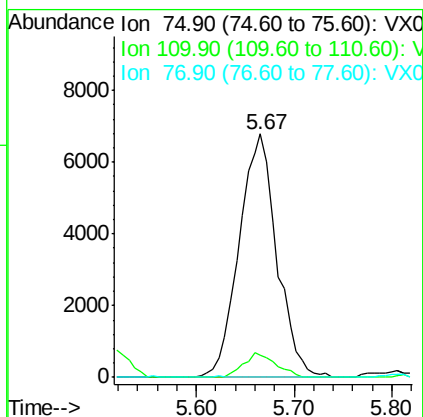
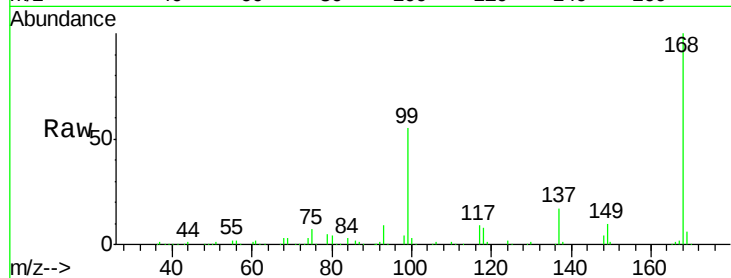




#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

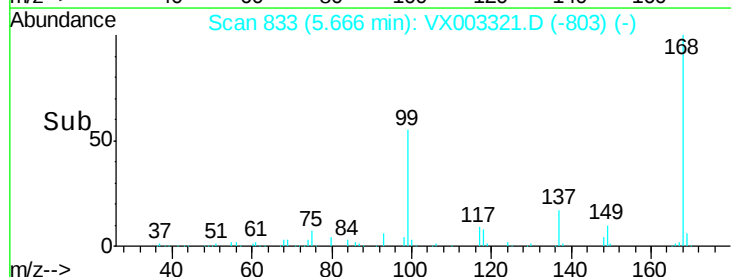
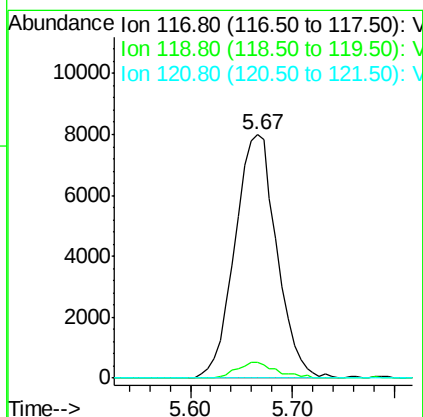
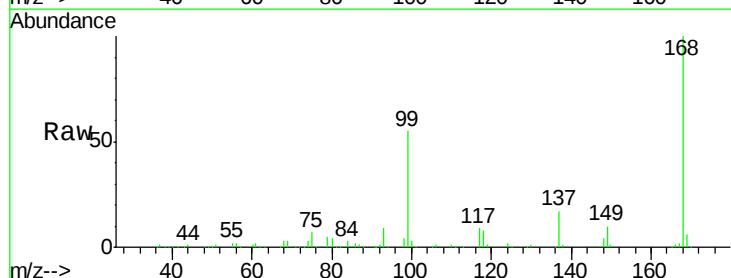
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

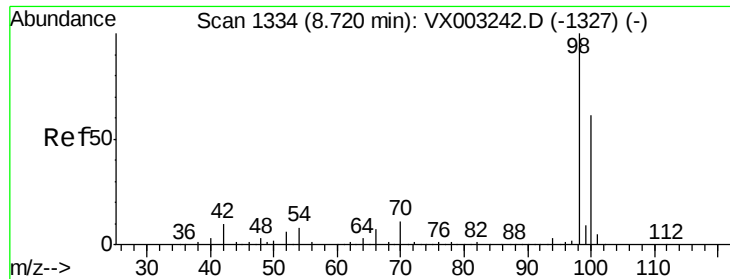
Tot Ion: 75 Resp: 18142
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 4.15 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

Tgt Ion: 117 Resp: 22724
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.4 116.0#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 37.18 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

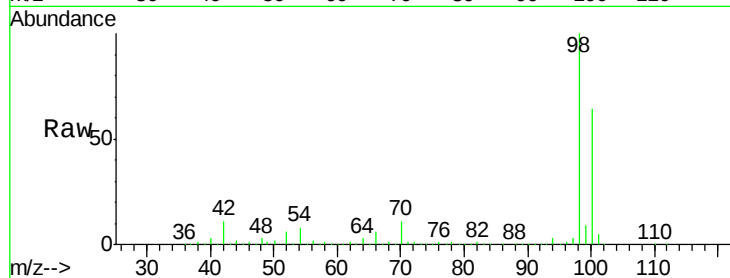
VX0711WBL01

Tot Ion: 98 Resp: 501135

Ion Ratio Lower Upper

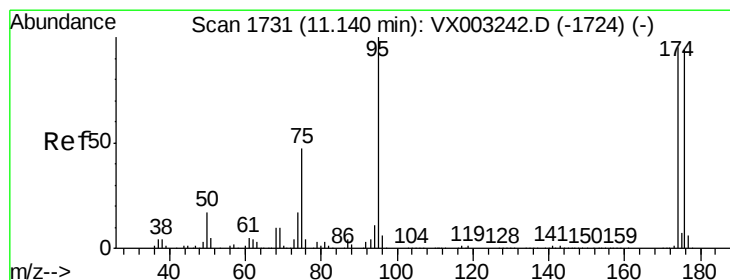
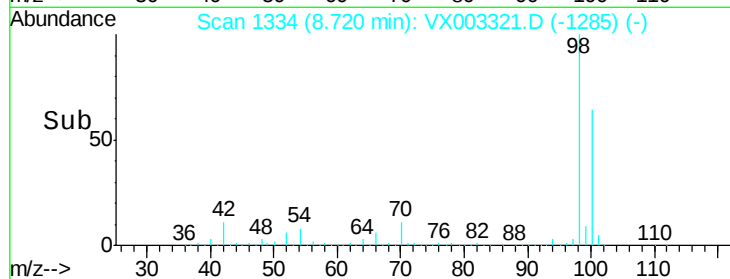
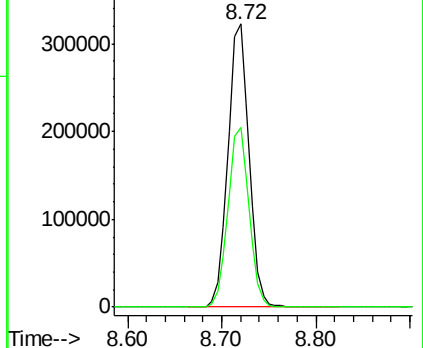
98 100

100 63.7 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: 33.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

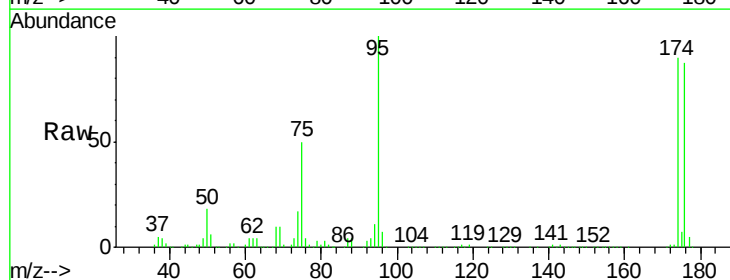
Tgt Ion: 95 Resp: 165266

Ion Ratio Lower Upper

95 100

174 92.5 0.0 187.4

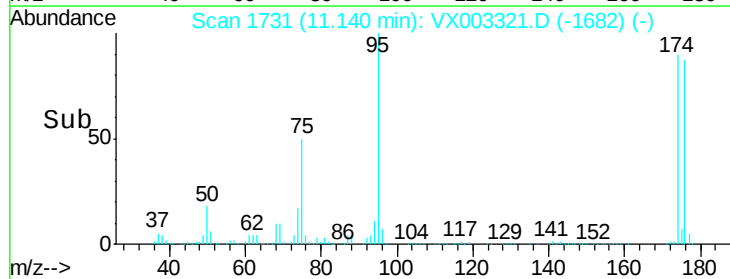
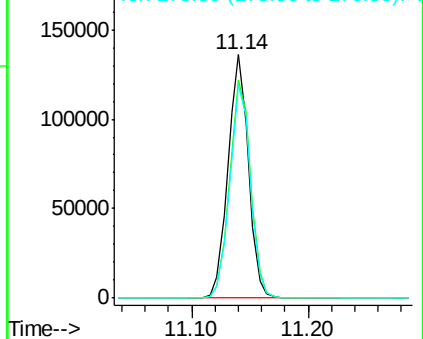
176 89.1 0.0 181.0

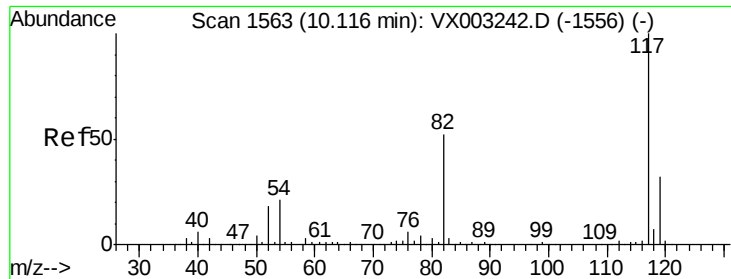


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

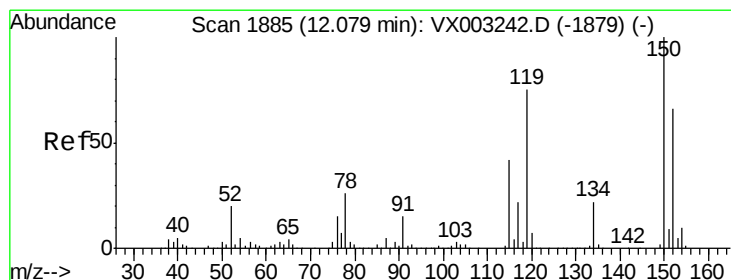
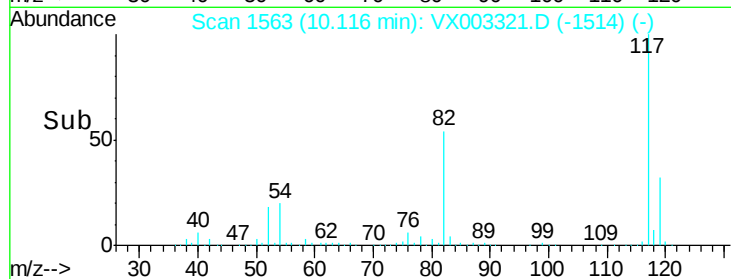
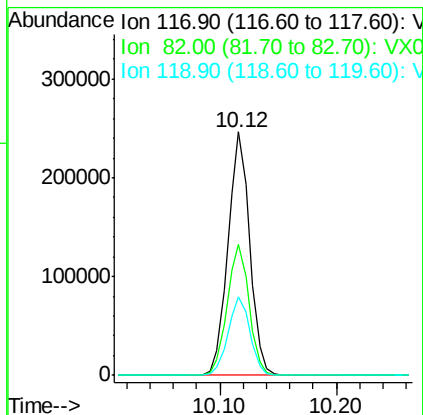
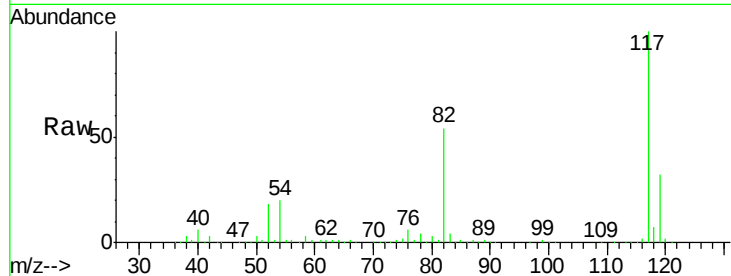




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

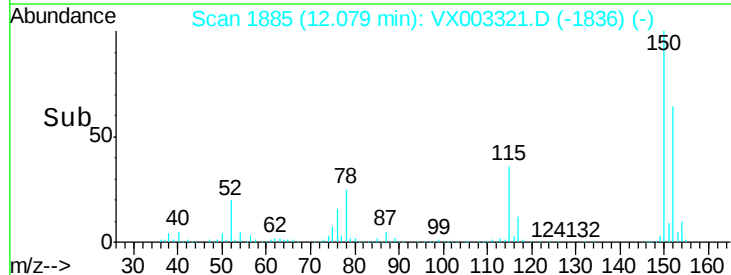
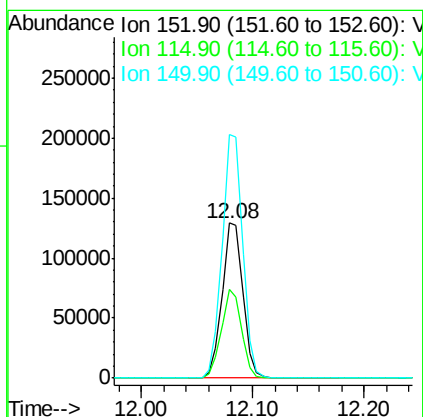
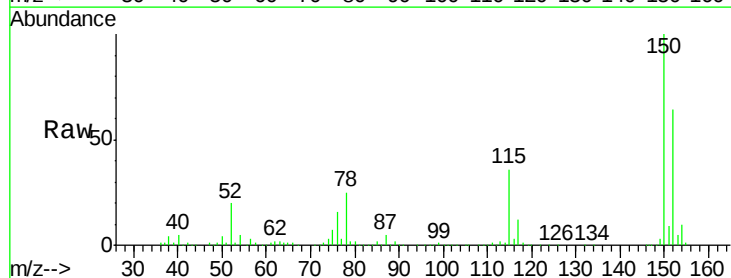
Instrument :
MSVOA_X
ClientSampleId :
VX0711WBL01

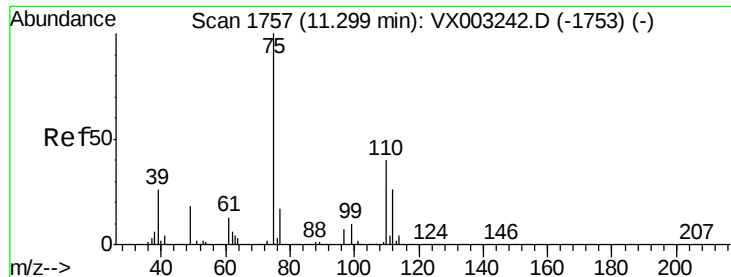
Tot Ion:117 Resp: 319236
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003321.D
Acq: 11 Jul 2018 15:46

Tgt Ion:152 Resp: 166332
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 156.8 0.0 347.2

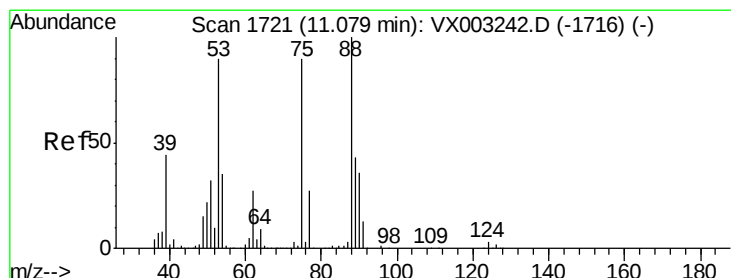
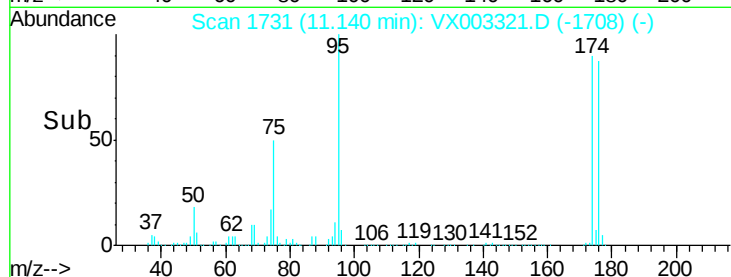
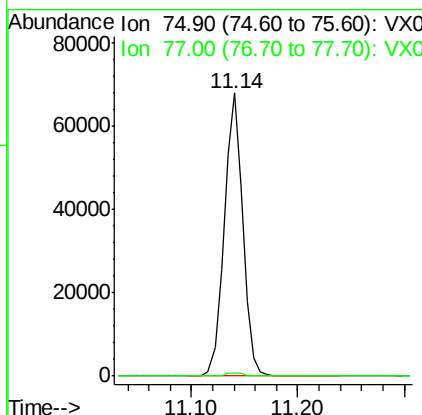
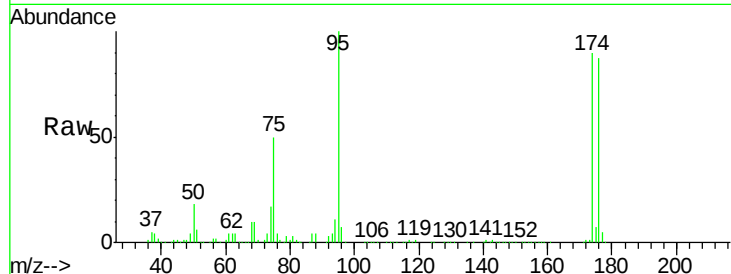




#76
 1,2,3-Trichloropropane
 Concen: 22.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

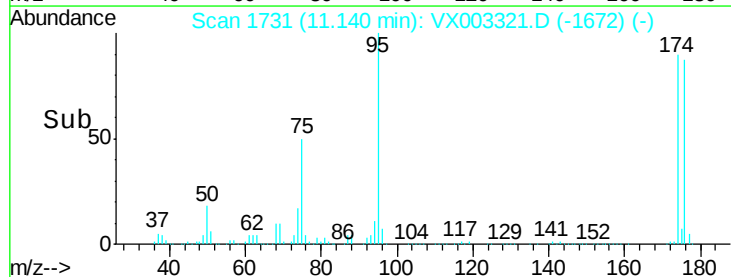
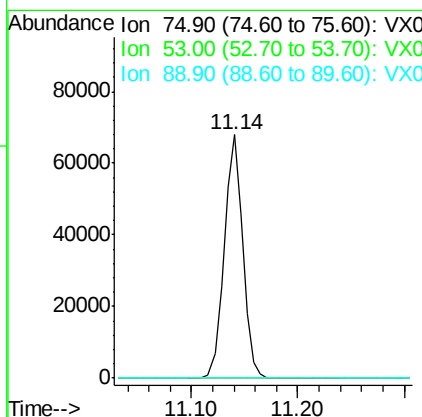
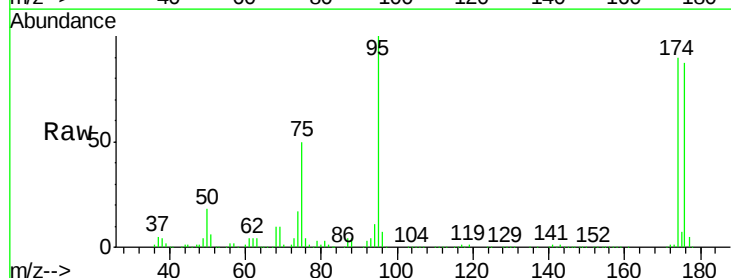
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBL01

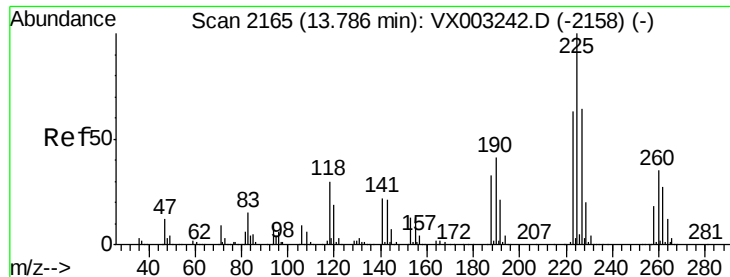
Tot Ion: 75 Resp: 82518
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.03 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003321.D
 Acq: 11 Jul 2018 15:46

Tgt Ion: 75 Resp: 82518
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#





#94

Hexachlorobutadiene

Concen: 0.25 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003321.D

Acq: 11 Jul 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBL01

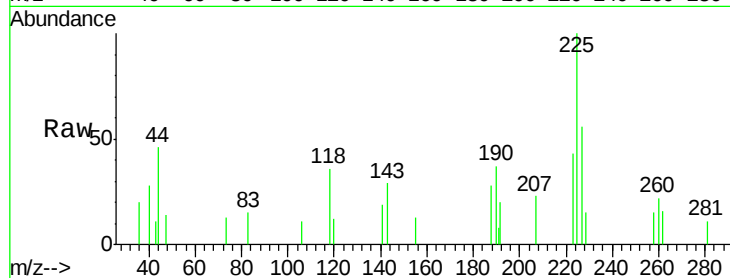
Tot Ion:225 Resp: 645

Ion Ratio Lower Upper

225 100

223 54.6 31.6 95.0

227 61.9 32.4 97.2



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

