

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003200.D
 Acq On : 06 Jul 2018 04:34
 Operator : JC/MD
 Sample : J3844-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 04:52:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391612	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208385	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	177990	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
35) Dibromofluoromethane	5.51	113	149087	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.72	98	548072	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	191668	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

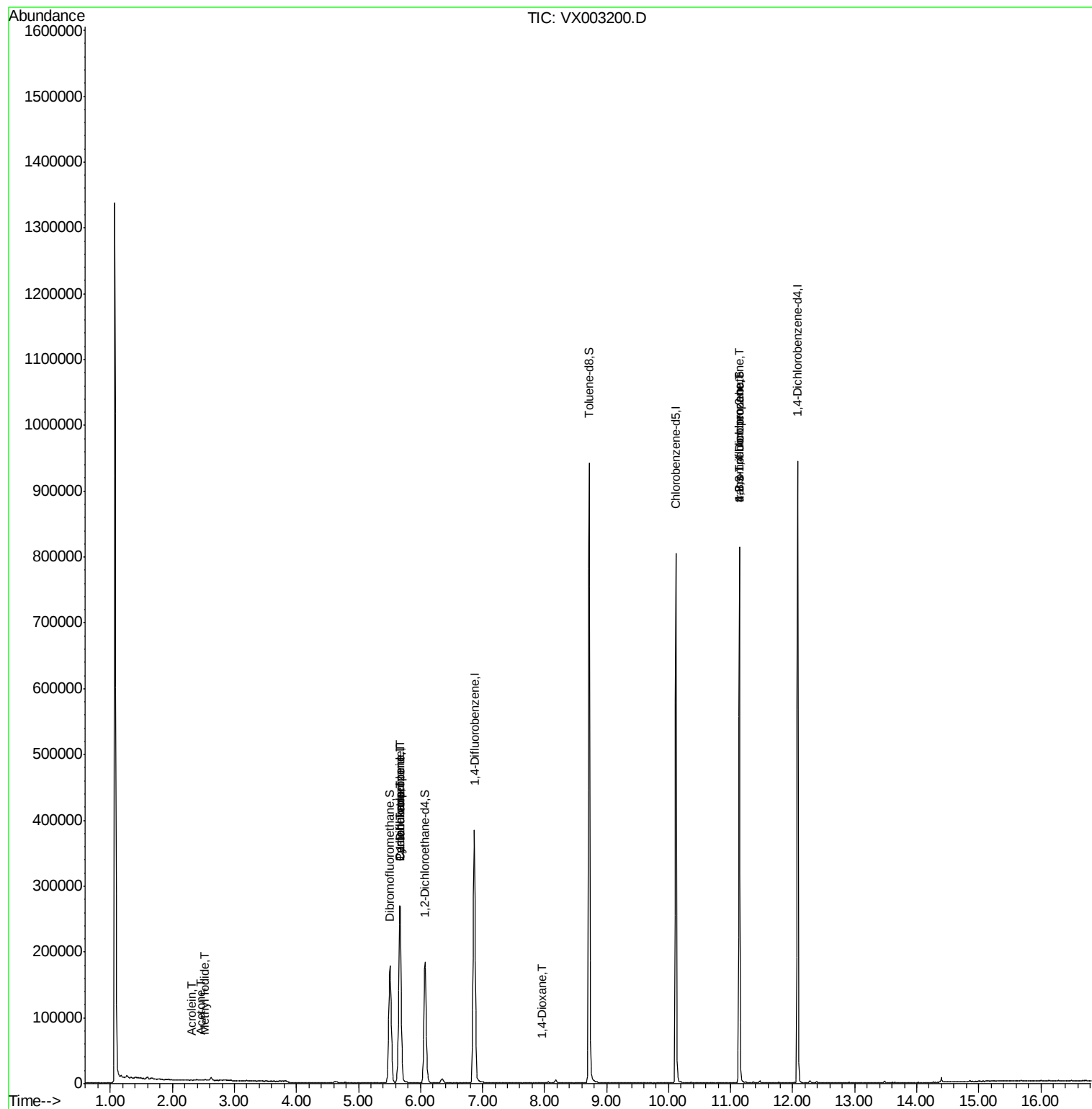
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	101	Below Cal	#	43
3) Chloromethane	1.33	50	619	Below Cal	#	65
5) Bromomethane	1.65	94	1325	Below Cal	#	89
6) Chloroethane	1.72	64	212	Below Cal	#	43
10) Methyl Iodide	2.52	142	1536	6.65	ug/l	91
13) Acrolein	2.30	56	230	4.76	ug/l	47
16) Acetone	2.45	43	942	0.59	ug/l	75
31) Cyclohexane	5.67	56	5029	1.03	ug/l	1
36) 1,1-Dichloropropene	5.67	75	18178	4.23	ug/l	51
38) Carbon Tetrachloride	5.67	117	24415	5.18	ug/l	16
49) 1,4-Dioxane	7.95	88	24	0.31	ug/l	1
76) 1,2,3-Trichloropropane	11.14	75	95101	25.19	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	95101	71.55	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: VX003200.D

Acq: 06 Jul 2018 04:34

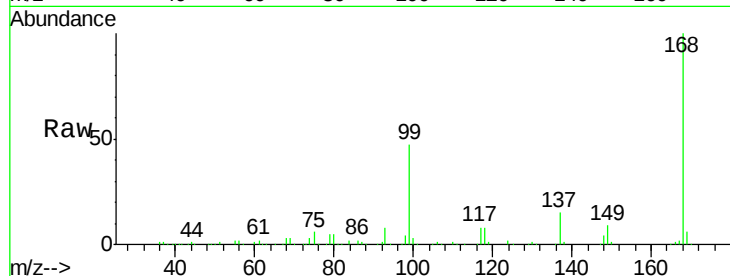
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 280831

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

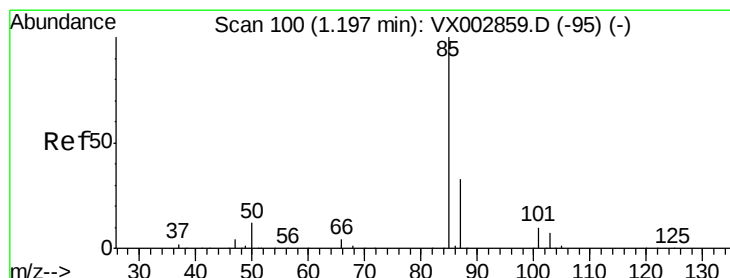
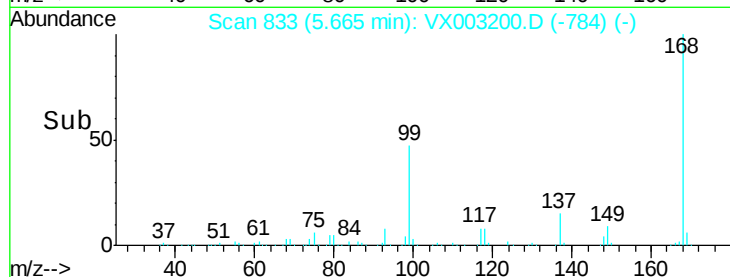
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003200.D

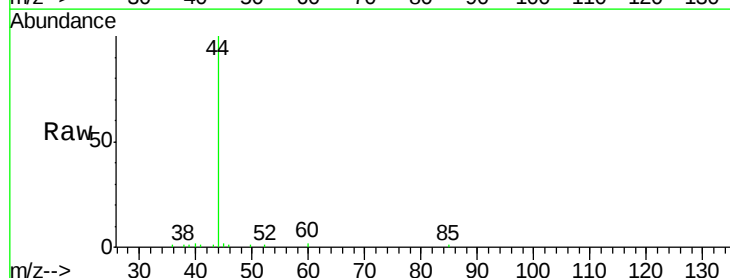
Acq: 06 Jul 2018 04:34

Tgt Ion: 85 Resp: 101

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

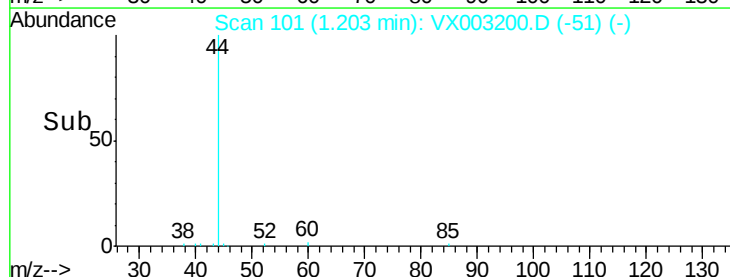
1.20

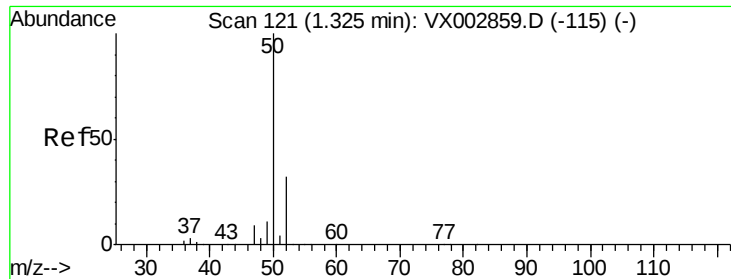
100

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: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

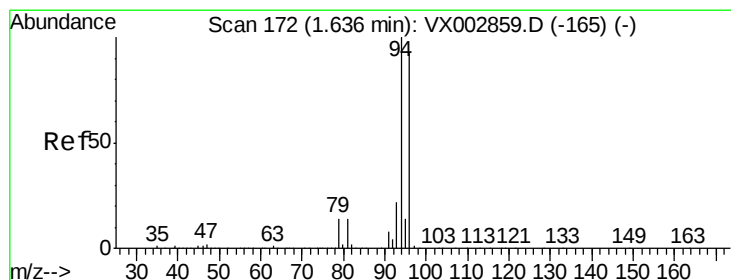
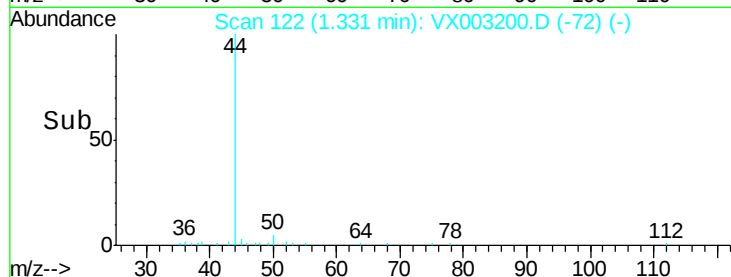
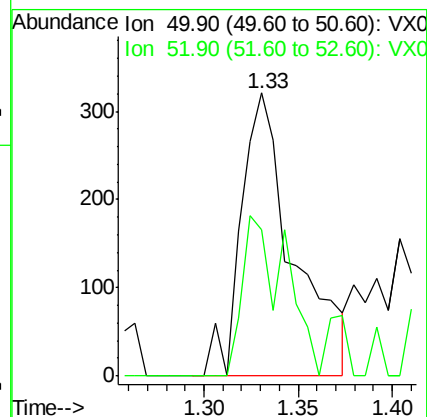
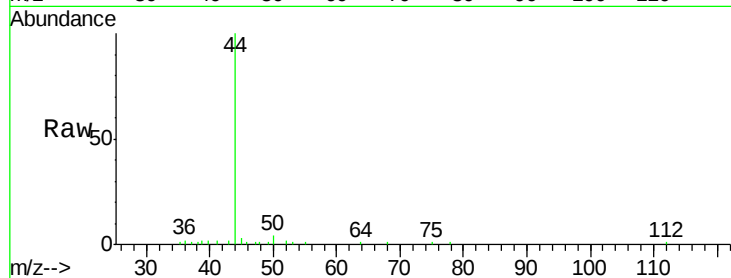
ClientSampleId :

Tot Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 51.7 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003200.D

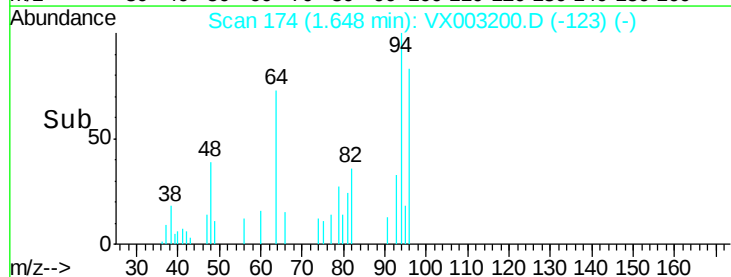
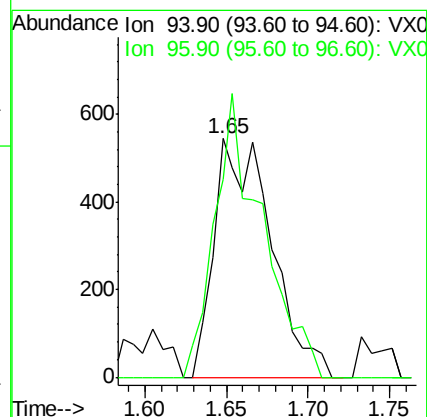
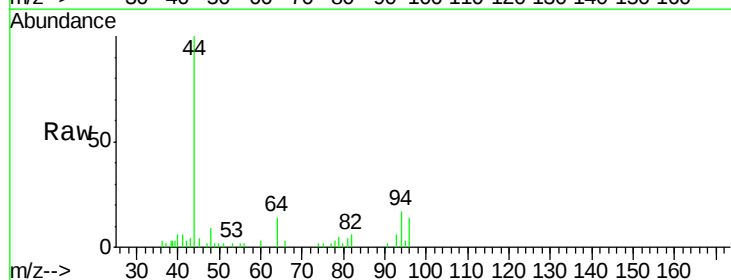
Acq: 06 Jul 2018 04:34

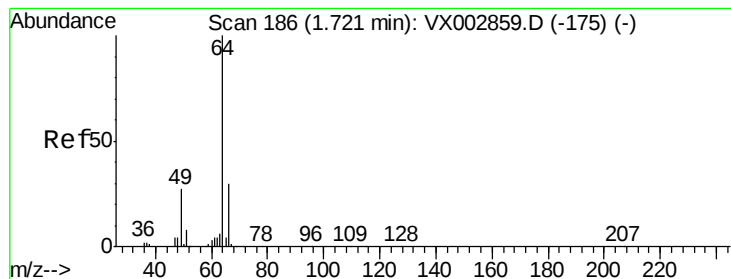
Tgt Ion: 94 Resp: 1325

Ion Ratio Lower Upper

94 100

96 82.8 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

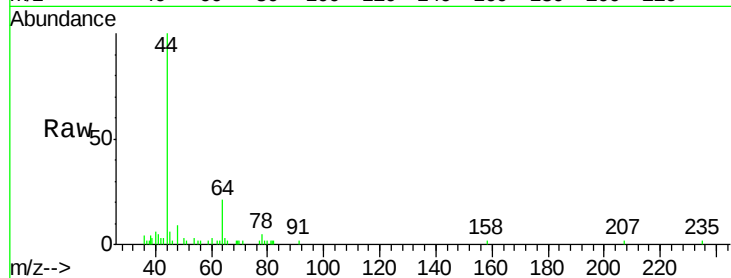
ClientSampleId :

Tot Ion: 64 Resp: 212

Ion Ratio Lower Upper

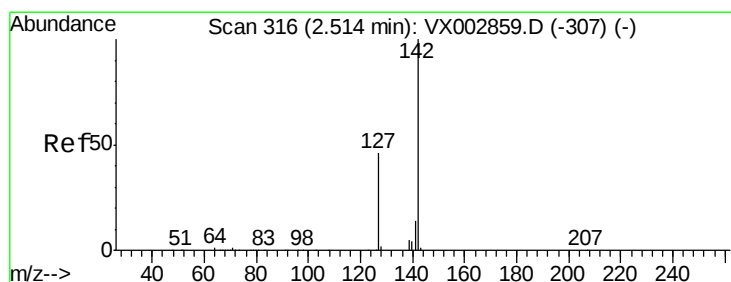
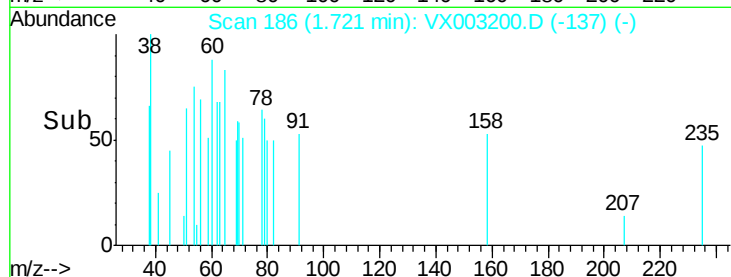
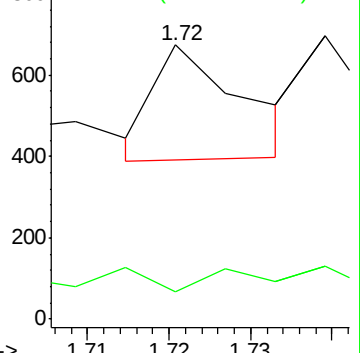
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.65 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

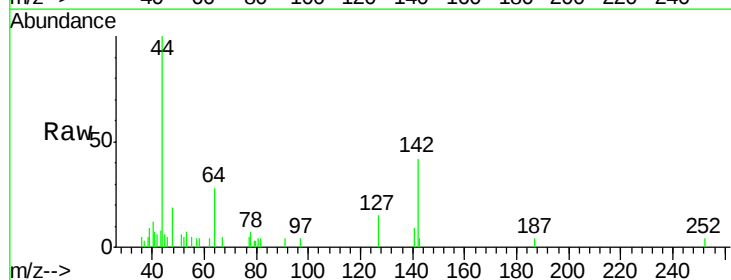
Tgt Ion:142 Resp: 1536

Ion Ratio Lower Upper

142 100

127 51.8 36.6 55.0

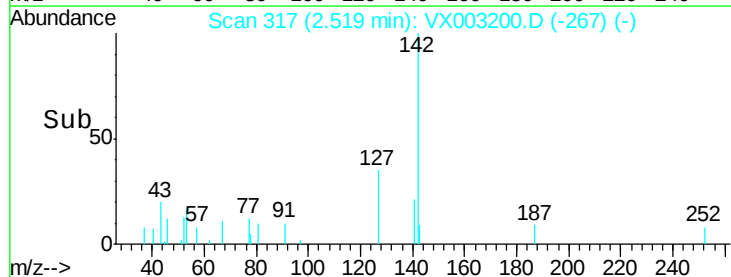
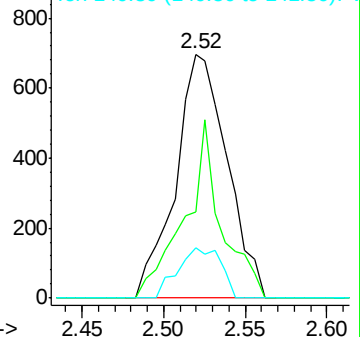
141 17.2 11.3 16.9#



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: 4.76 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

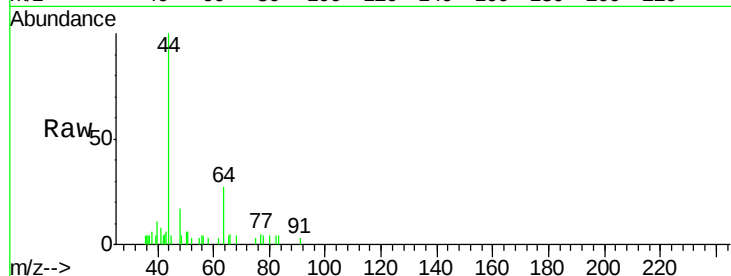
ClientSampleId :

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

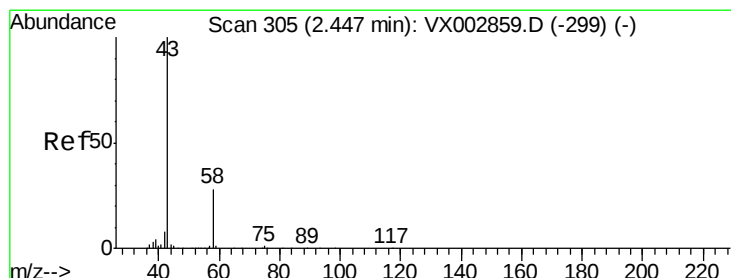
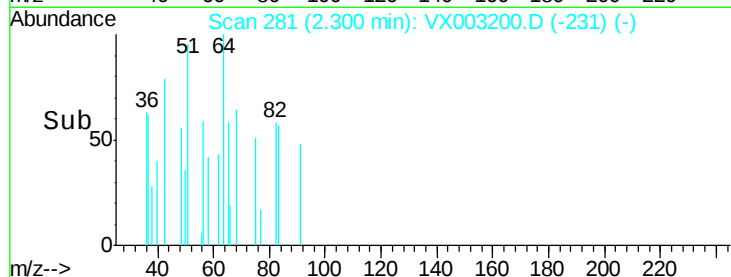
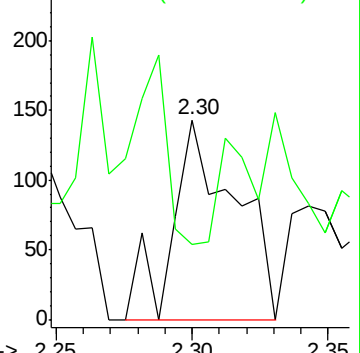
56 100

55 27.4 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003200.D

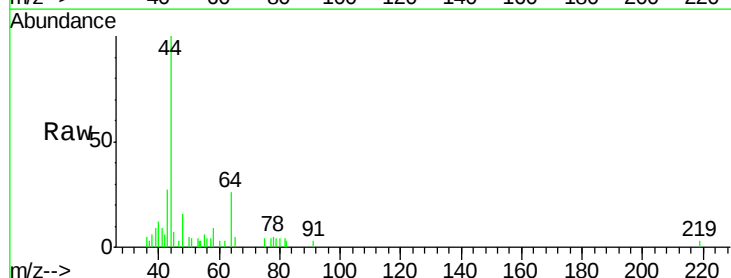
Acq: 06 Jul 2018 04:34

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

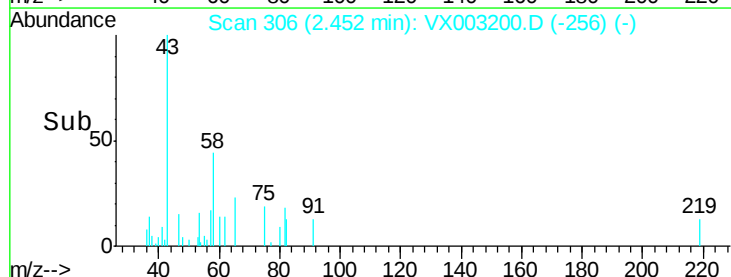
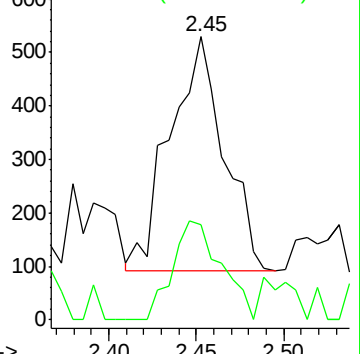
43 100

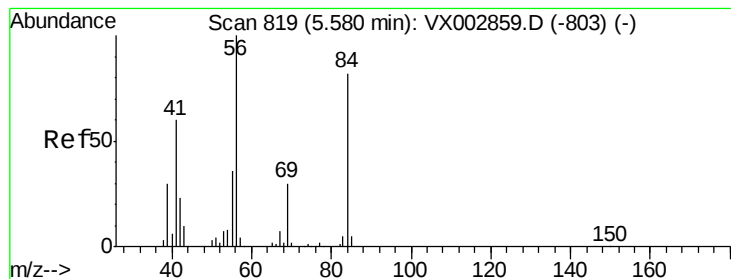
58 40.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :
MSVOA_X
ClientSampleId :

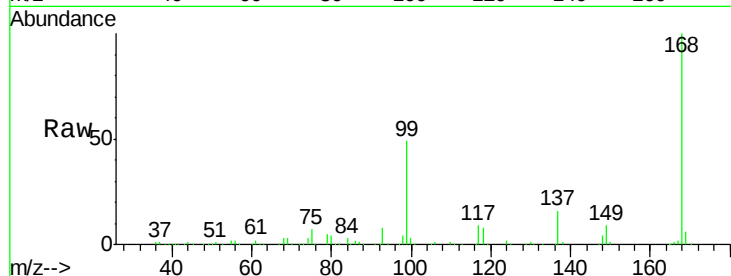
Tot Ion: 56 Resp: 5029

Ion Ratio Lower Upper

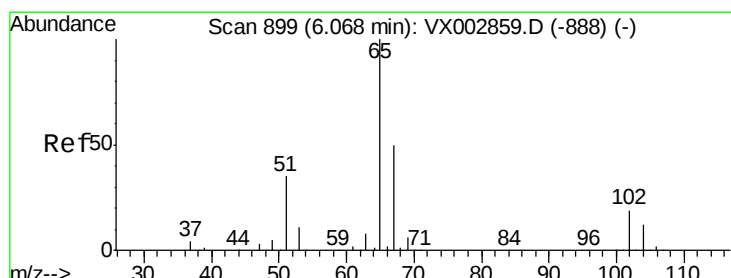
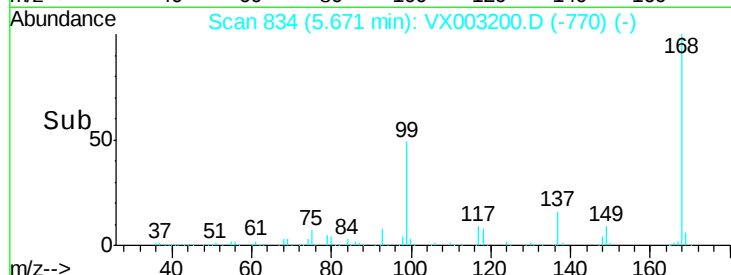
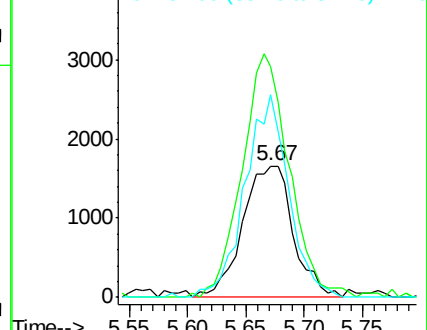
56 100

69 172.3 23.7 35.5#

84 160.6 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: 45.85 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003200.D

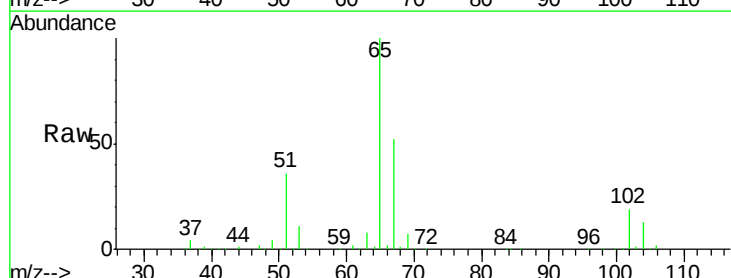
Acq: 06 Jul 2018 04:34

Tgt Ion: 65 Resp: 177990

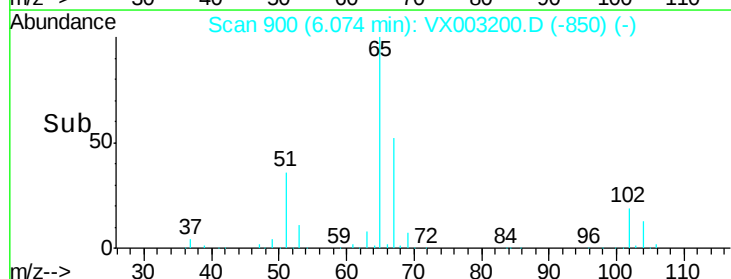
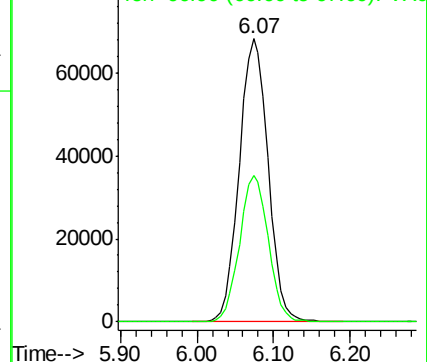
Ion Ratio Lower Upper

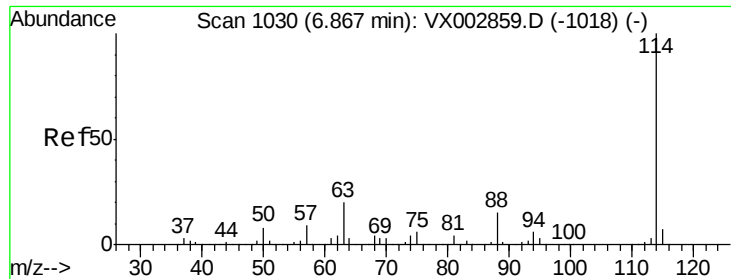
65 100

67 51.8 0.0 102.6



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

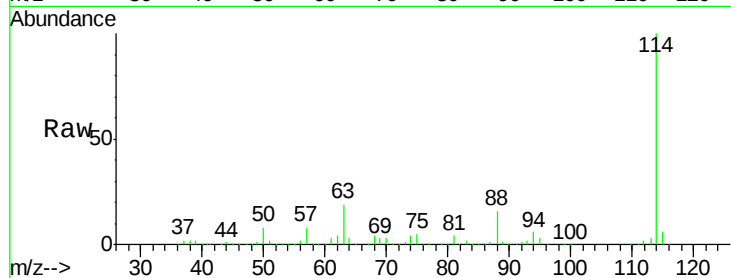




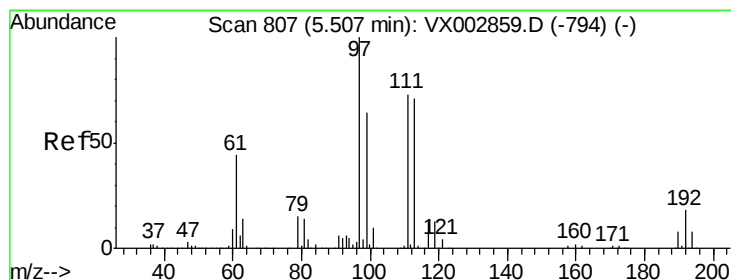
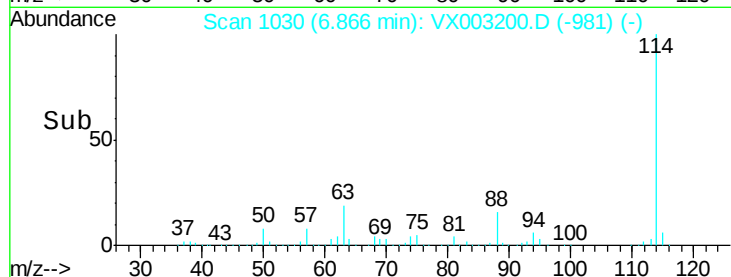
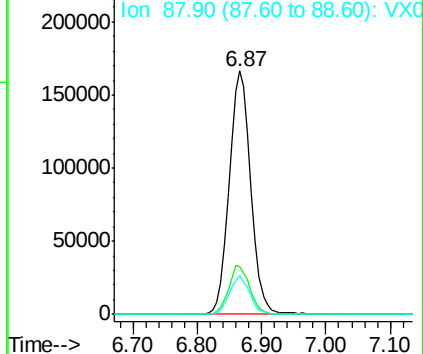
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003200.D
 Acq: 06 Jul 2018 04:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 391612
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.8 0.0 30.0

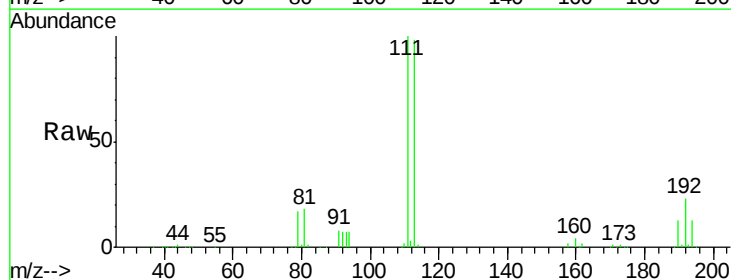


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

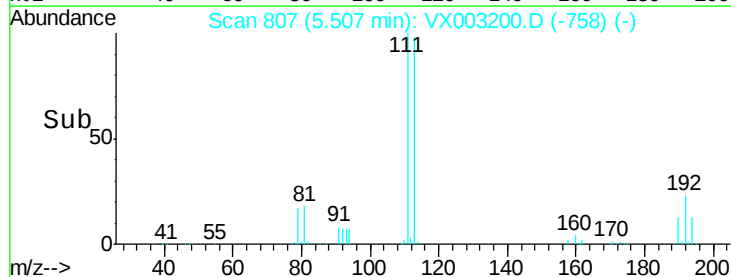
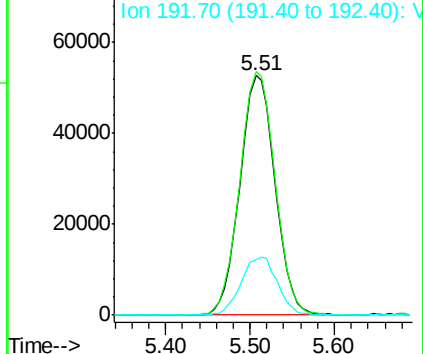


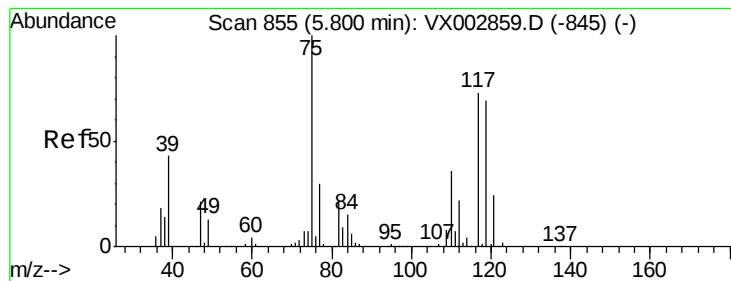
#35
 Dibromofluoromethane
 Concen: 48.07 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003200.D
 Acq: 06 Jul 2018 04:34

Tgt Ion:113 Resp: 149087
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 25.0 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: 4.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

ClientSampled :

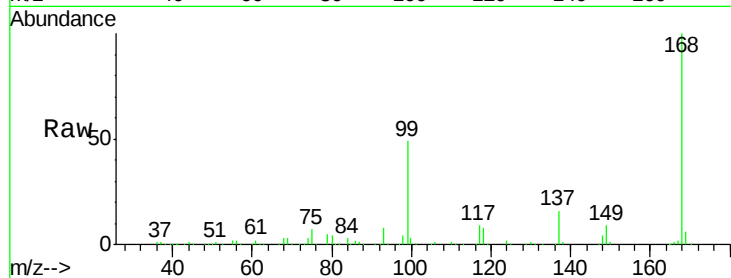
Tot Ion: 75 Resp: 18178

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

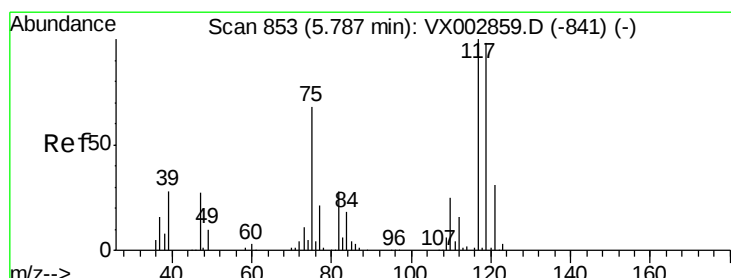
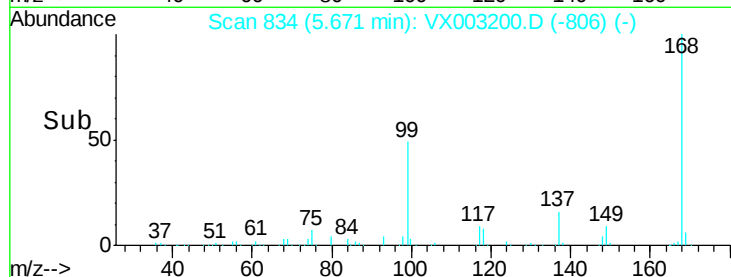
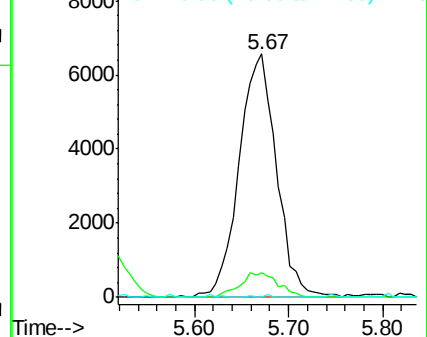
77 0.1 24.3 36.5#



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: 5.18 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

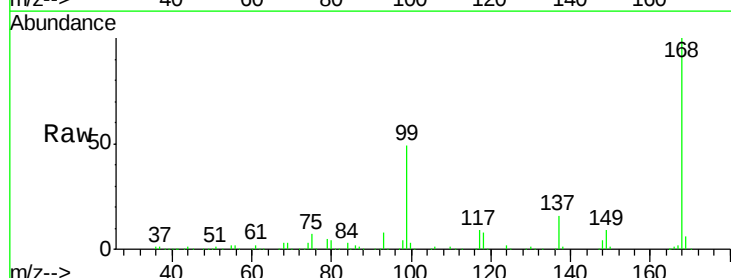
Tgt Ion: 117 Resp: 24415

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

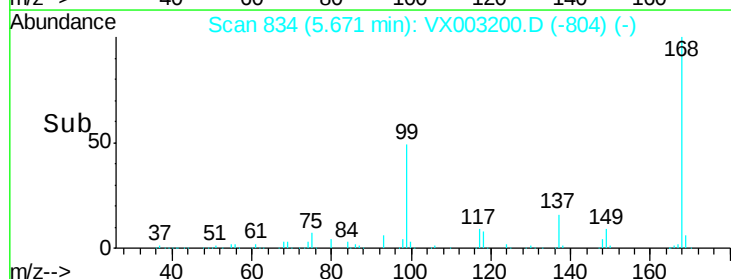
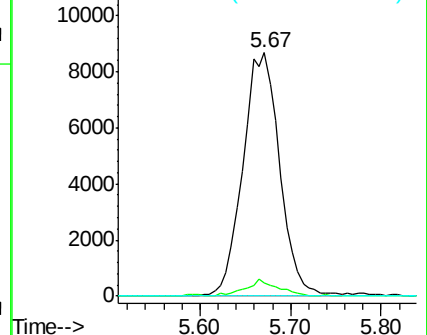
121 0.0 24.4 36.6#

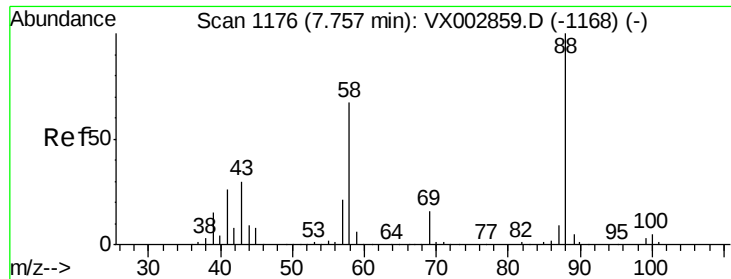


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

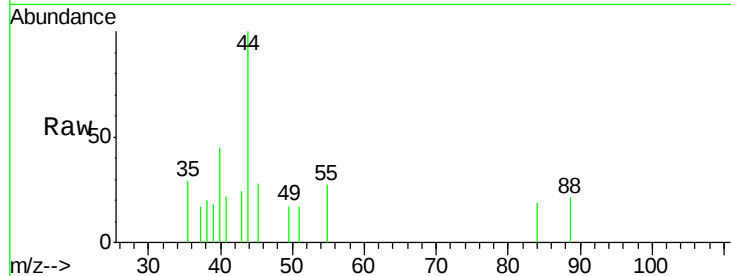




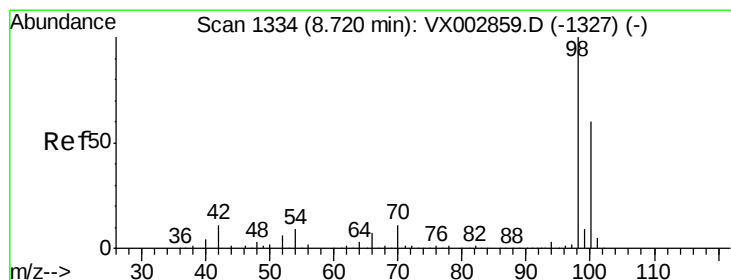
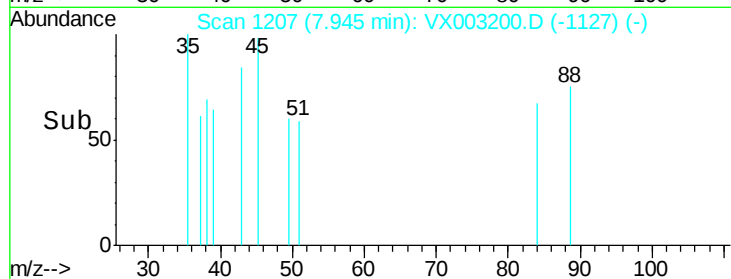
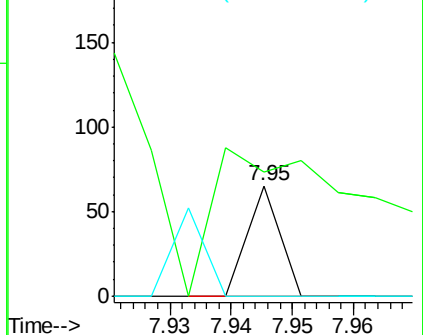
#49
1,4-Dioxane
Concen: 0.31 ug/l
RT: 7.95 min Scan# 1207
Delta R.T. 0.19 min
Lab File: VX003200.D
Acq: 06 Jul 2018 04:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 625.0 29.8 44.6#
58 79.2 57.1 85.7

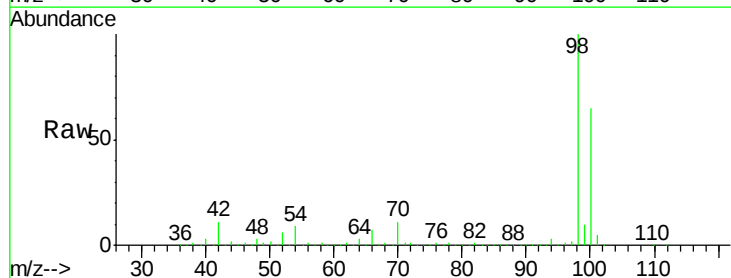


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

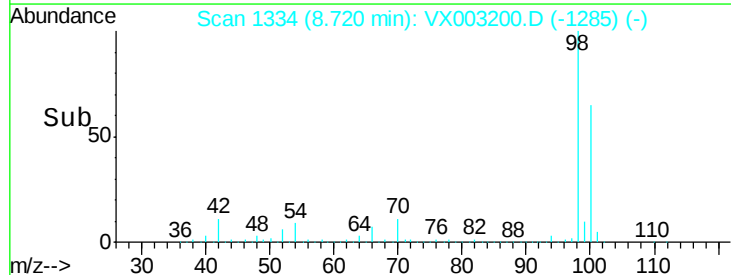
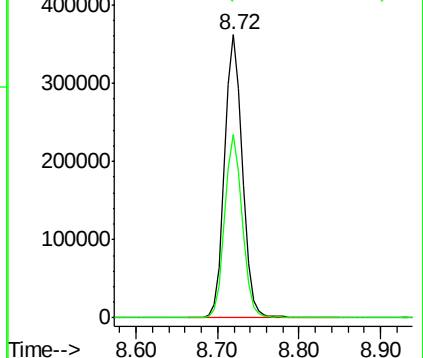


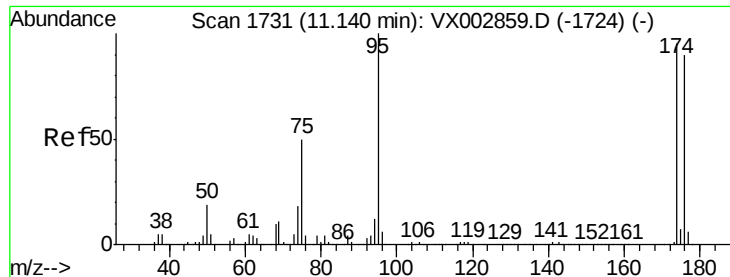
#50
Toluene-d8
Concen: 48.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003200.D
Acq: 06 Jul 2018 04:34

Tgt Ion: 98 Resp: 548072
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): VX0





#62

4-Bromofluorobenzene

Concen: 43.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

ClientSampleId :

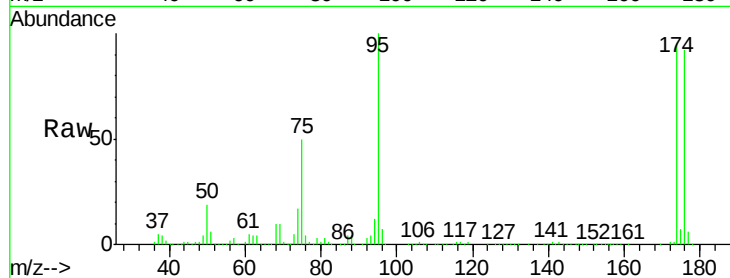
Tot Ion: 95 Resp: 191668

Ion Ratio Lower Upper

95 100

174 99.7 0.0 187.4

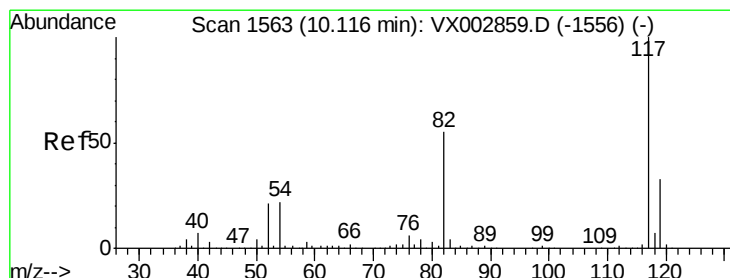
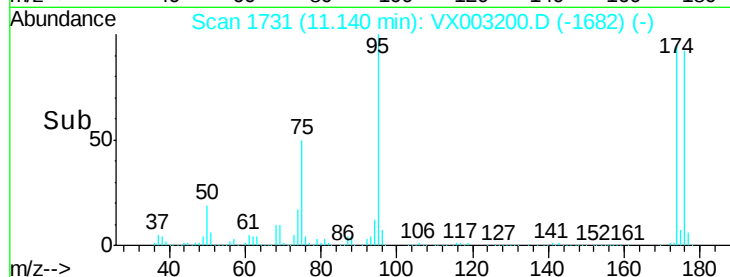
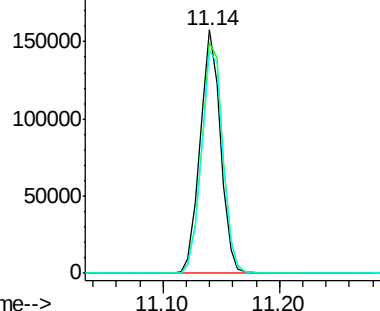
176 96.7 0.0 181.0



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: VX003200.D

Acq: 06 Jul 2018 04:34

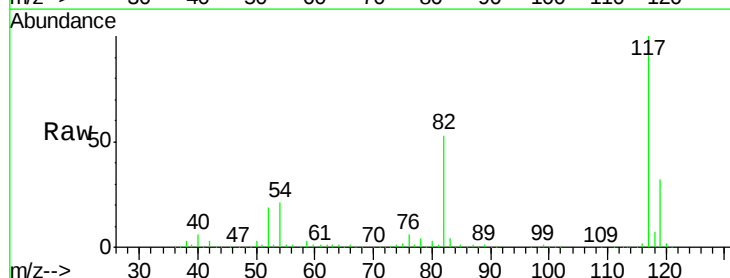
Tgt Ion: 117 Resp: 362691

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

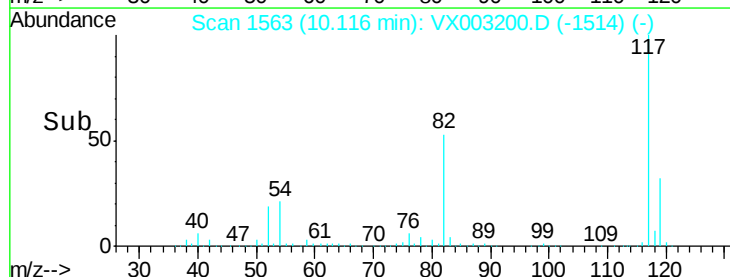
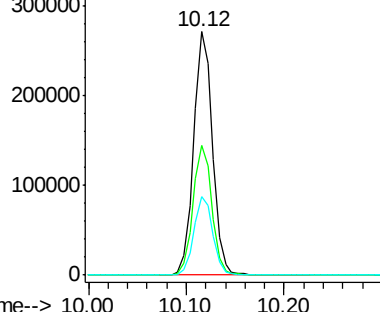
119 32.5 25.8 38.6

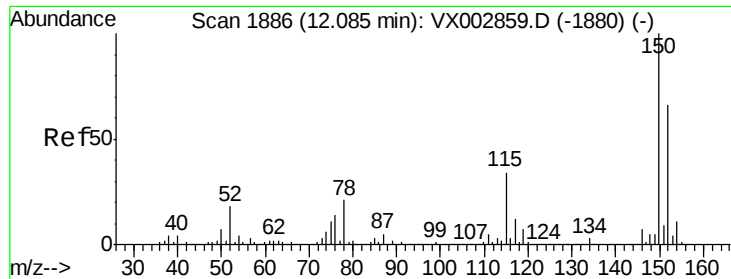


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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. -0.01 min

Lab File: VX003200.D

Acq: 06 Jul 2018 04:34

Instrument :

MSVOA_X

ClientSampleId :

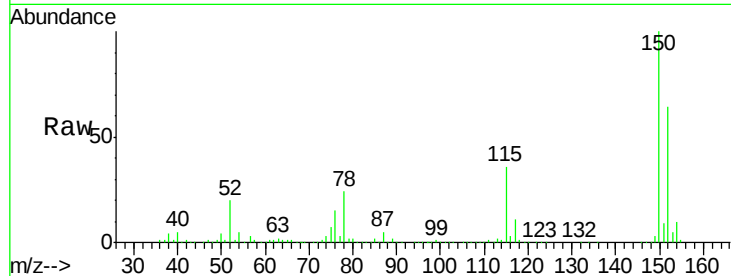
Tot Ion:152 Resp: 208385

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

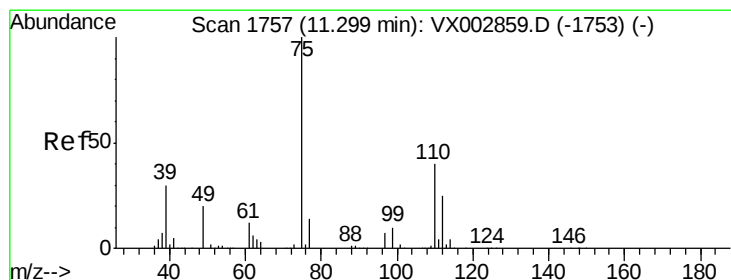
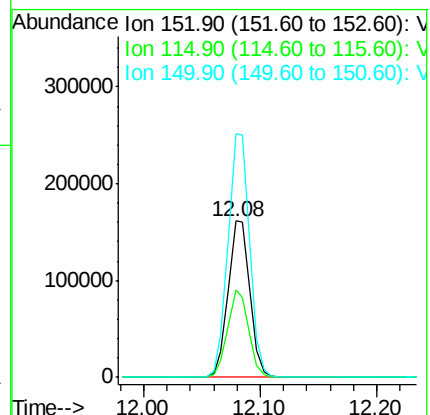
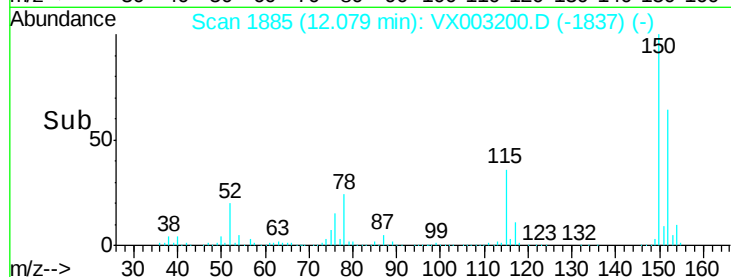
150 155.3 0.0 347.2



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: 25.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003200.D

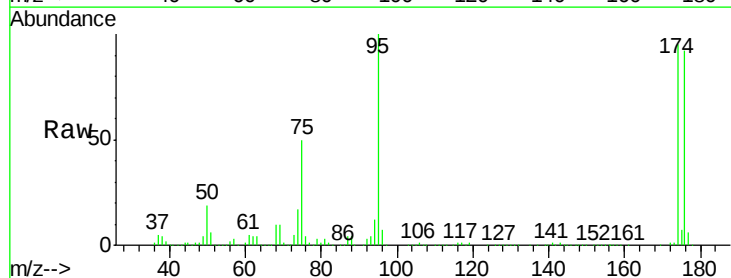
Acq: 06 Jul 2018 04:34

Tgt Ion: 75 Resp: 95101

Ion Ratio Lower Upper

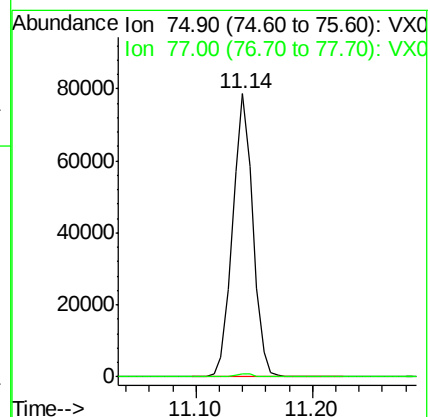
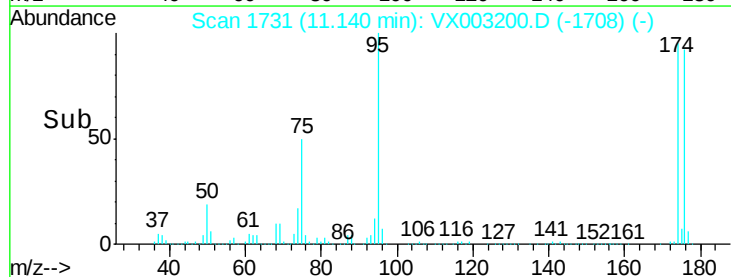
75 100

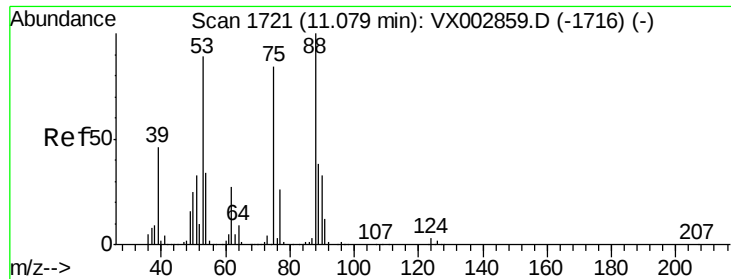
77 1.2 22.8 68.3#



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: 71.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003200.D
 Acq: 06 Jul 2018 04:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 95101
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#

