

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003275.D
 Acq On : 10 Jul 2018 05:24
 Operator : JC/MD
 Sample : J3891-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

Quant Time: Jul 10 05:43:30 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	5.67	168	255323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354539	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200557	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	165259	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	
35) Dibromofluoromethane	5.51	113	139549	36.64	ug/l	0.00
Spiked Amount			Recovery	=	73.28%	
50) Toluene-d8	8.72	98	502010	37.11	ug/l	0.00
Spiked Amount			Recovery	=	74.22%	
62) 4-Bromofluorobenzene	11.14	95	175005	35.01	ug/l	0.00
Spiked Amount			Recovery	=	70.02%	

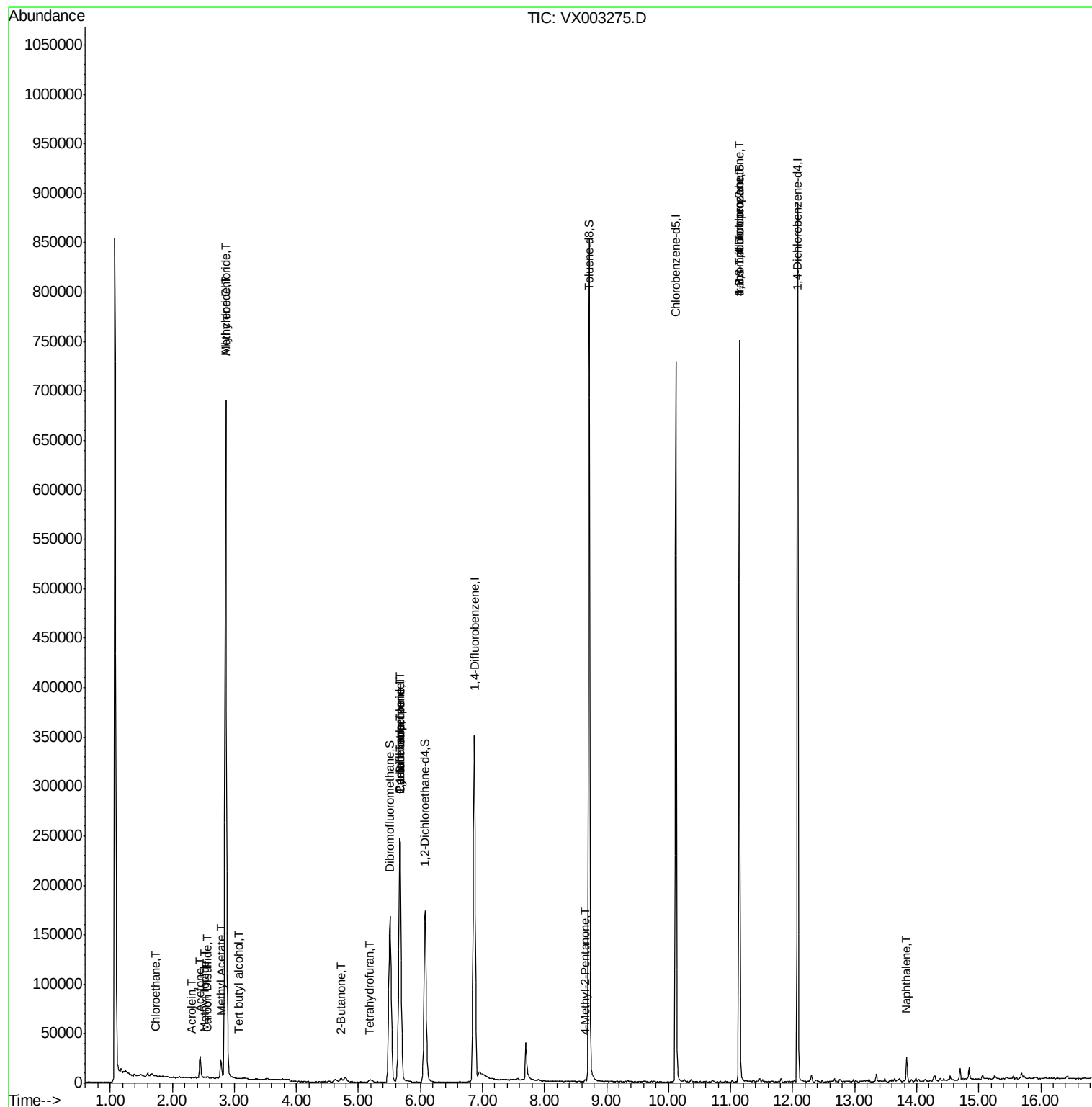
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1883	Below Cal		94
6) Chloroethane	1.73	64	1436	0.72 ug/l	#	43
10) Methyl Iodide	2.52	142	1423	6.01 ug/l		93
11) Tert butyl alcohol	3.07	59	752	1.03 ug/l	#	93
13) Acrolein	2.31	56	195	0.33 ug/l	#	14
14) Allyl chloride	2.86	41	12806	2.41 ug/l	#	25
16) Acetone	2.45	43	25790	18.08 ug/l		97
17) Carbon Disulfide	2.57	76	1869	0.23 ug/l		96
18) Methyl Acetate	2.78	43	21174	5.26 ug/l		93
20) Methylene Chloride	2.86	84	324453	111.86 ug/l		91
25) 2-Butanone	4.72	43	5821	2.31 ug/l		93
29) Tetrahydrofuran	5.18	42	2107	1.29 ug/l		92
31) Cyclohexane	5.67	56	4603	0.87 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	16252	3.24 ug/l	#	46
38) Carbon Tetrachloride	5.67	117	22650	4.13 ug/l	#	16
51) 4-Methyl-2-Pentanone	8.66	43	1350	0.25 ug/l		91
76) 1,2,3-Trichloropropane	11.14	75	88107	20.33 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	88107	66.44 ug/l	#	7
95) Naphthalene	13.83	128	15423	0.96 ug/l		98

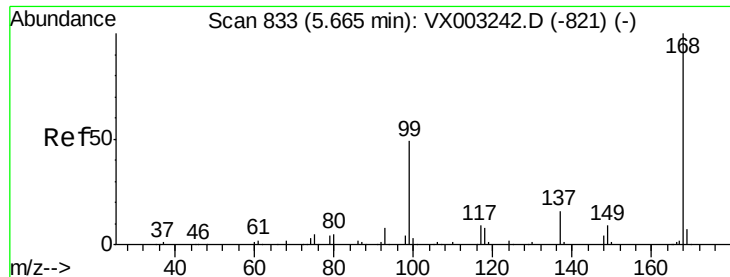
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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72-12002-RBR-RBR-VNJ-230

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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: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

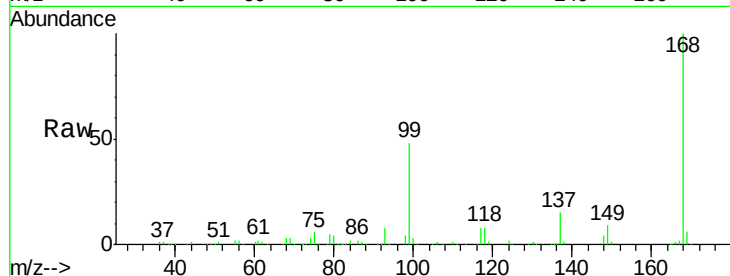
72-12002-RBR-RBR-VNJ-230

Tot Ion:168 Resp: 255323

Ion Ratio Lower Upper

168 100

99 47.8 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

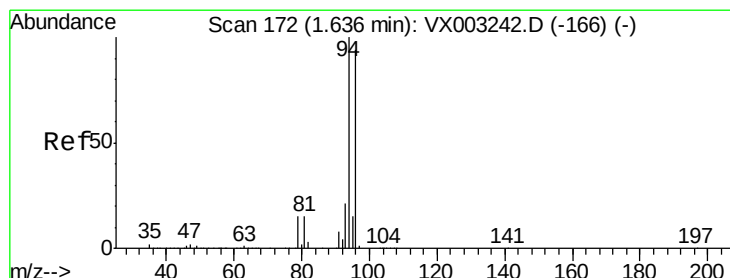
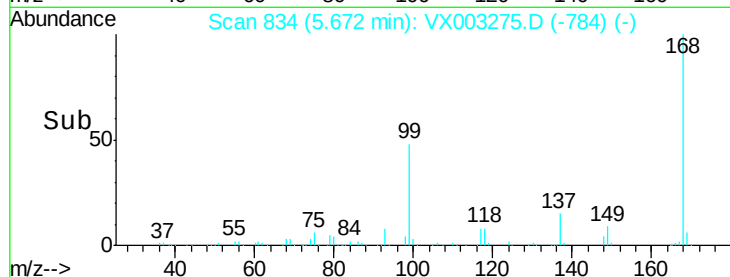
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003275.D

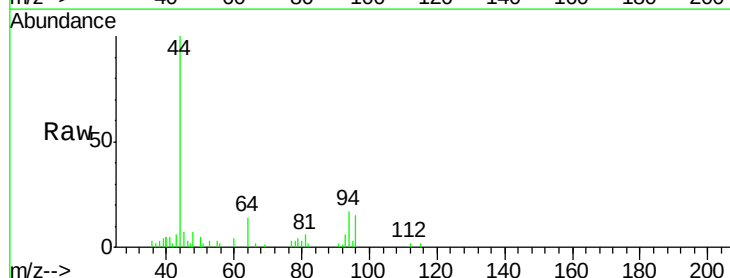
Acq: 10 Jul 2018 05:24

Tgt Ion: 94 Resp: 1883

Ion Ratio Lower Upper

94 100

96 87.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

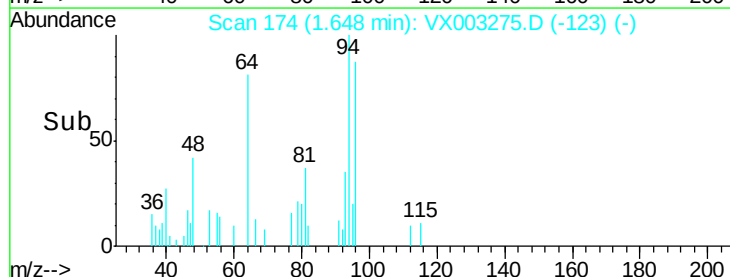
600

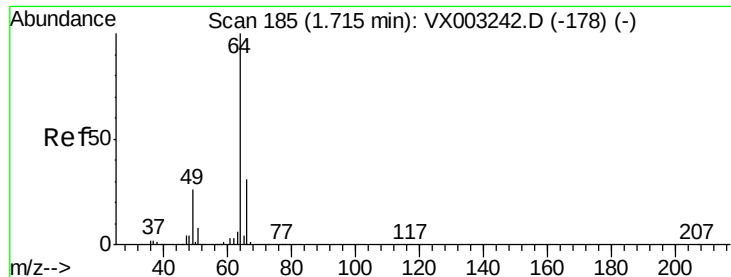
400

200

0

Time-->





#6

Chloroethane

Concen: 0.72 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

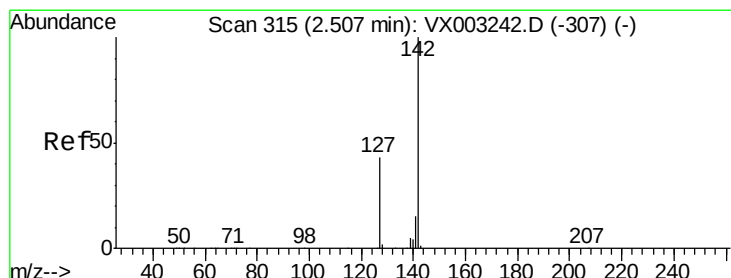
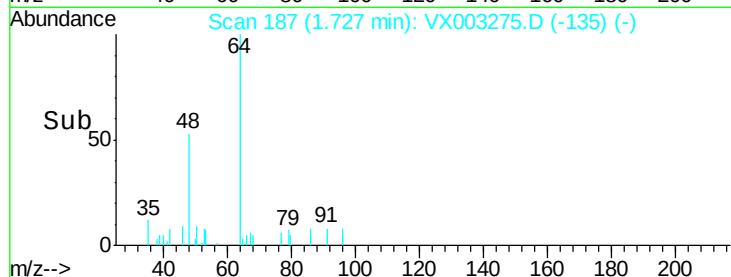
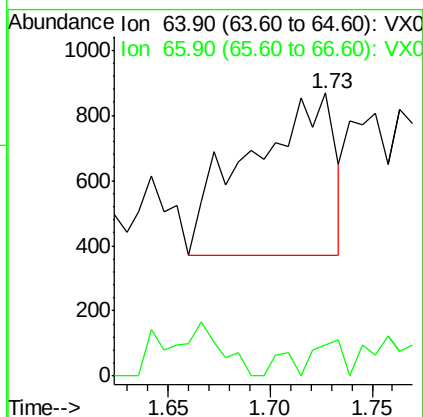
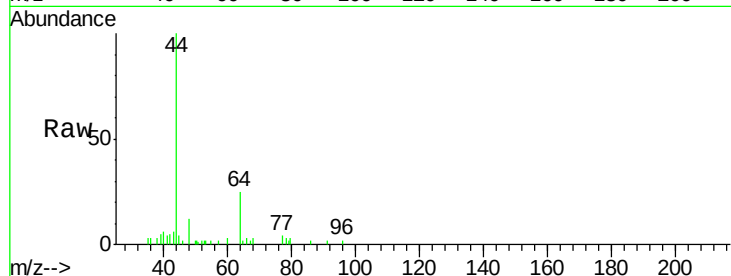
72-12002-RBR-RBR-VNJ-230

Tot Ion: 64 Resp: 1436

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 6.01 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

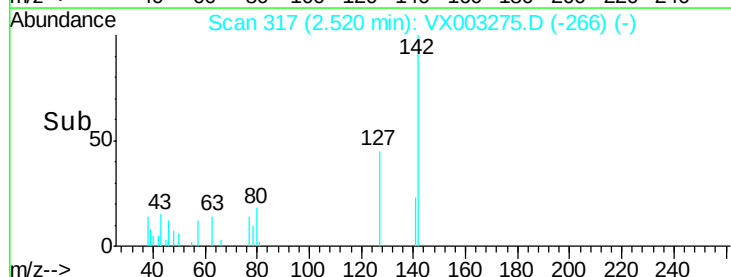
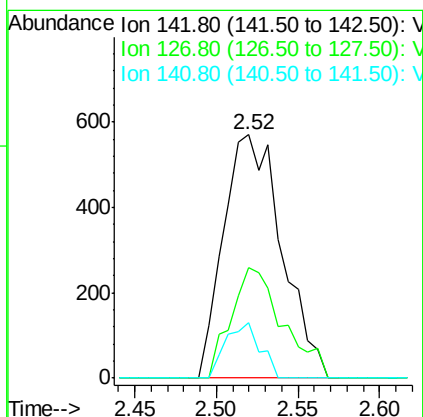
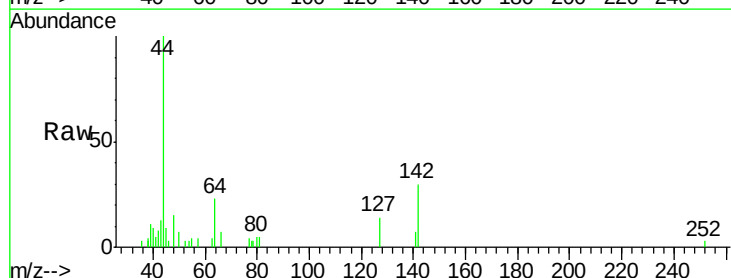
Tgt Ion: 142 Resp: 1423

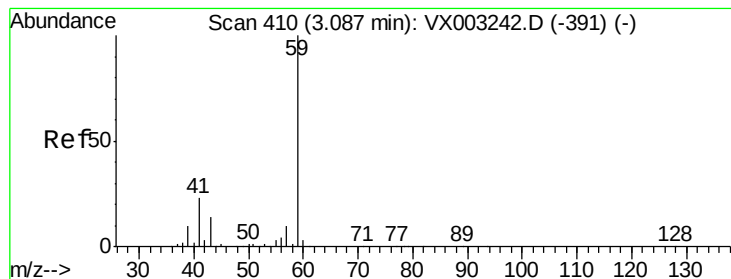
Ion Ratio Lower Upper

142 100

127 40.4 36.6 55.0

141 13.5 11.3 16.9





#11

Tert butyl alcohol

Concen: 1.03 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.02 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

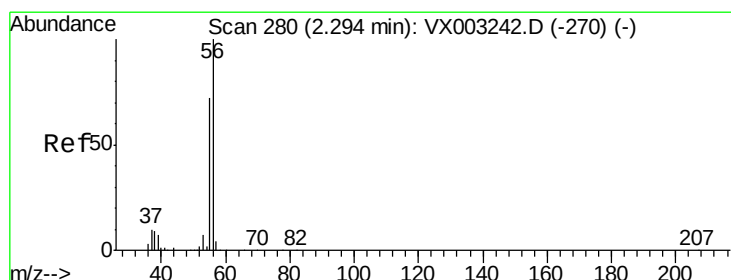
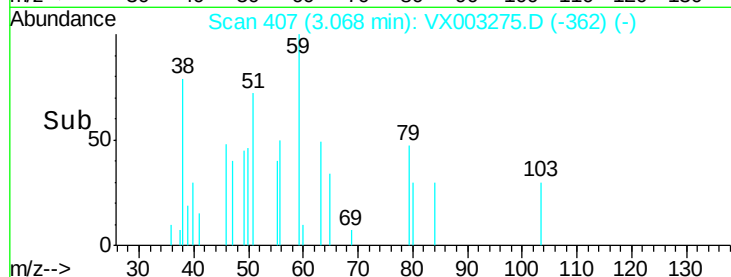
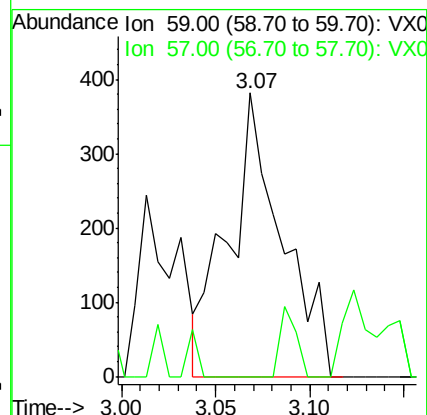
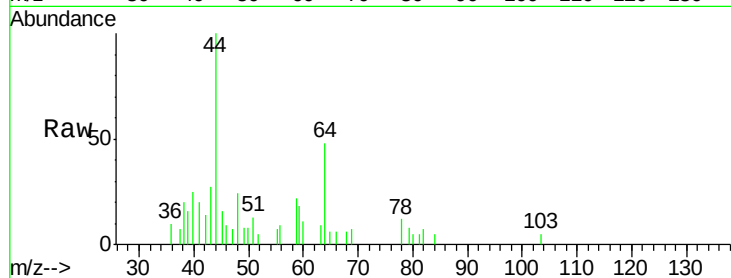
72-12002-RBR-RBR-VNJ-230

Tot Ion: 59 Resp: 752

Ion Ratio Lower Upper

59 100

57 7.4 8.2 12.2#



#13

Acrolein

Concen: 0.33 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX003275.D

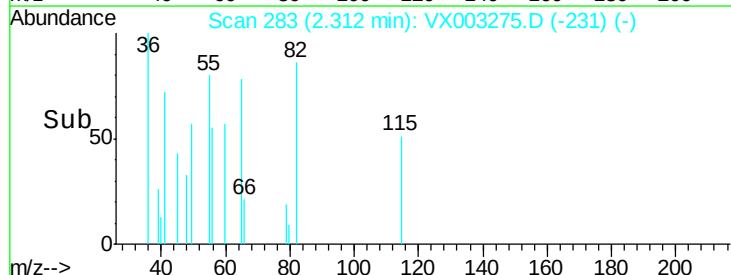
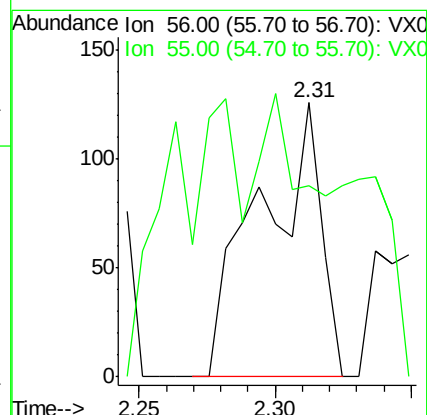
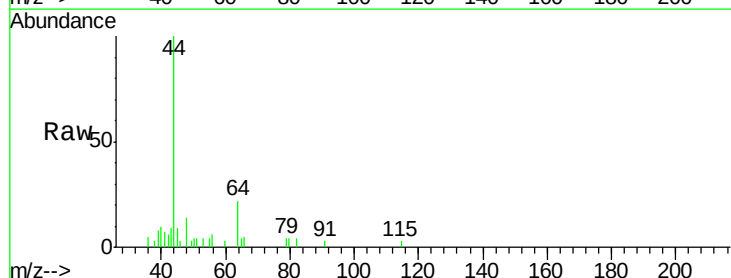
Acq: 10 Jul 2018 05:24

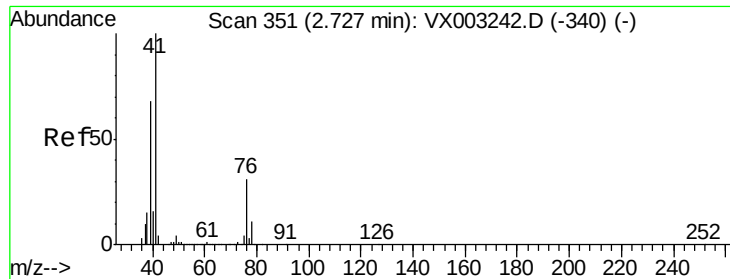
Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

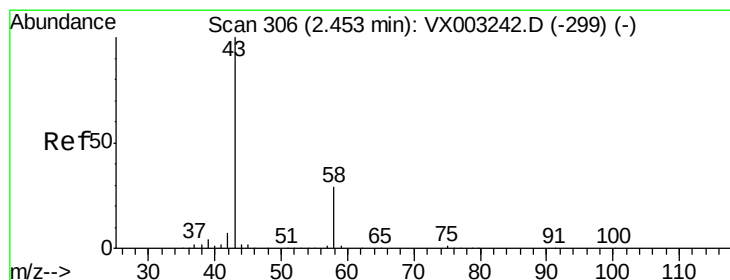
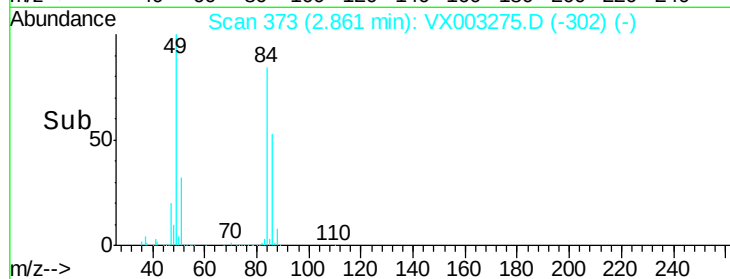
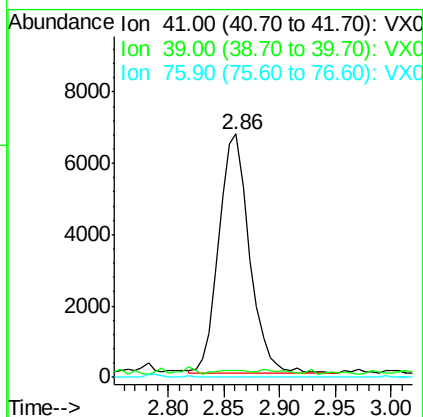
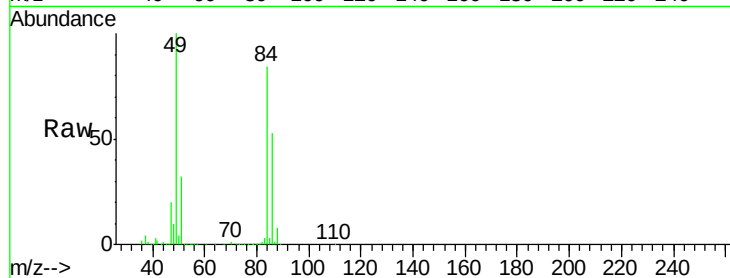




#14
 Allvl chloride
 Concen: 2.41 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.13 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

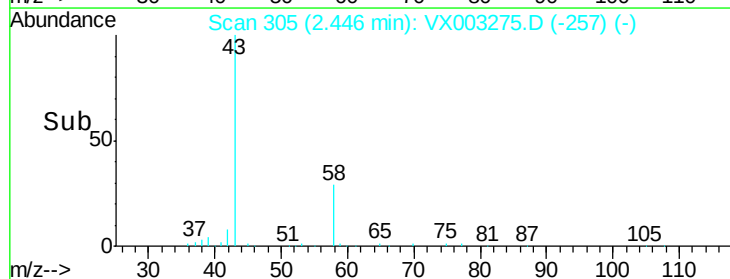
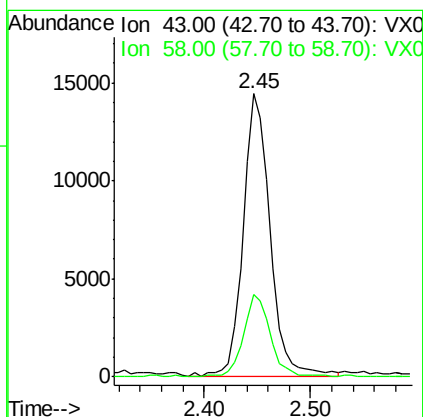
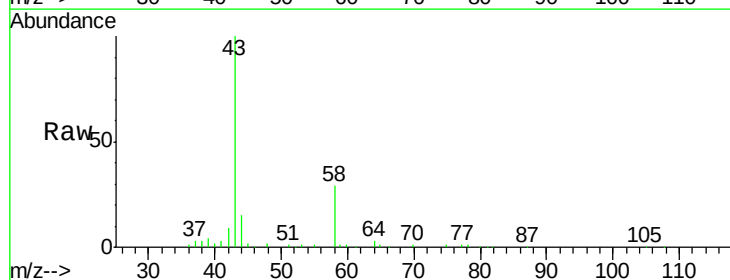
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

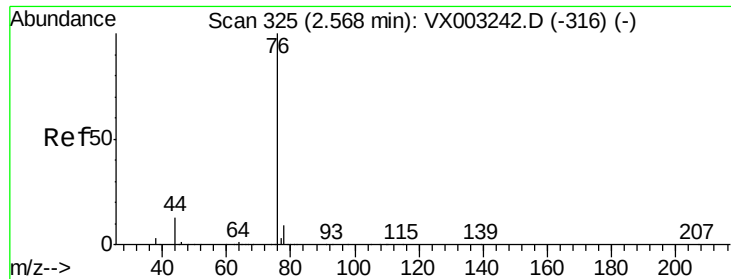
Tot Ion	Ratio	Lower	Upper
41	100		
39	1.7	56.8	85.2#
76	0.0	23.8	35.8#



#16
 Acetone
 Concen: 18.08 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.1	33.1

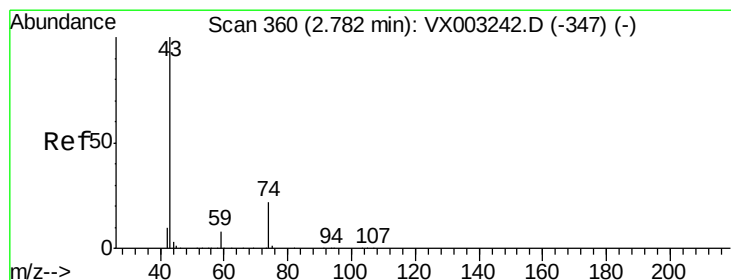
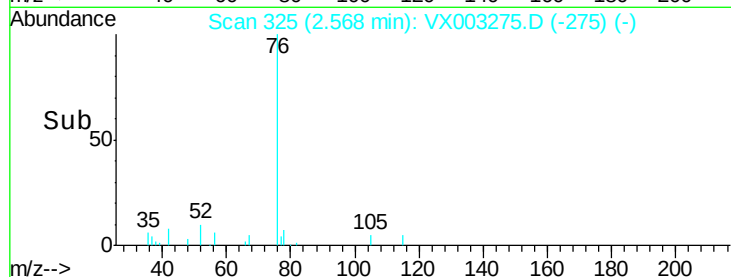
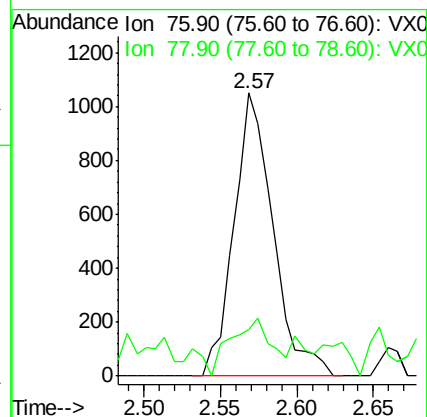
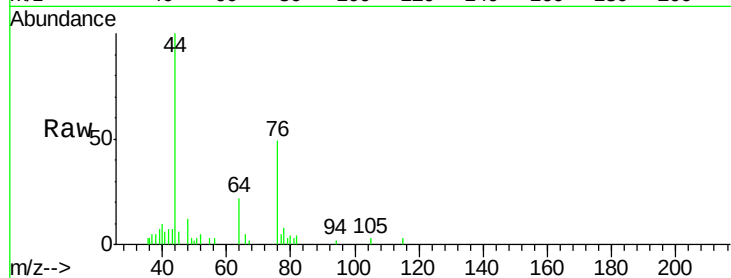




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

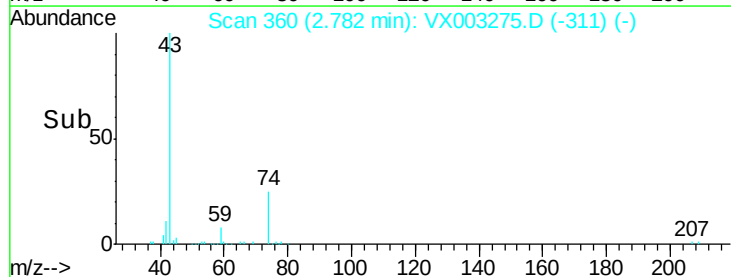
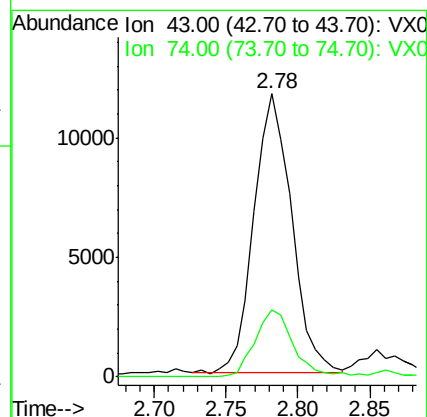
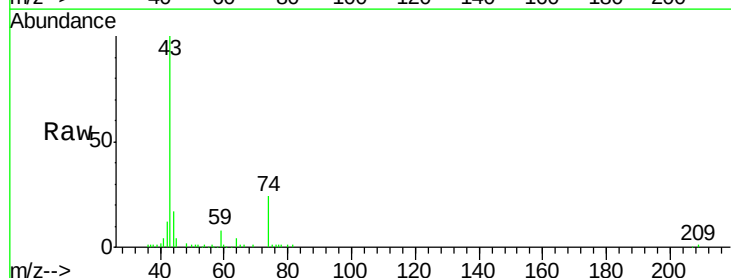
Instrument :
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ClientSampleId :
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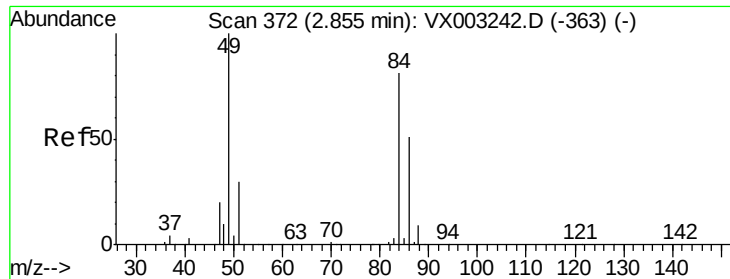
Tot Ion: 76 Resp: 1869
Ion Ratio Lower Upper
76 100
78 7.0 6.9 10.3



#18
Methyl Acetate
Concen: 5.26 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Tgt Ion: 43 Resp: 21174
Ion Ratio Lower Upper
43 100
74 24.4 16.7 25.1

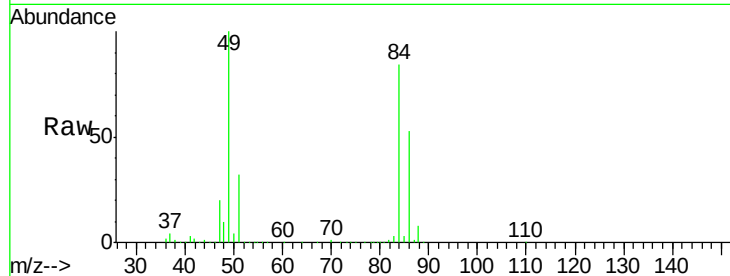




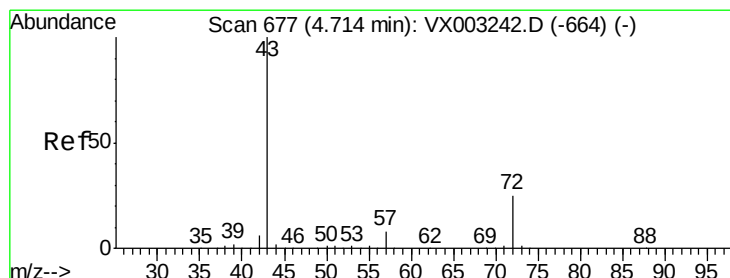
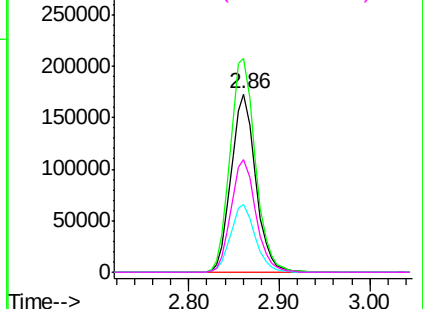
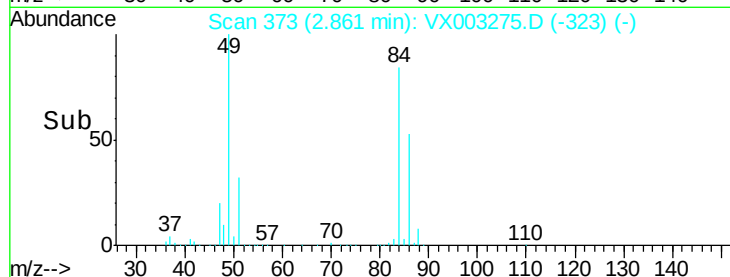
#20
Methylene Chloride
Concen: 111.86 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Tot Ion: 84 Resp: 324453
Ion Ratio Lower Upper
84 100
49 119.7 107.8 161.6
51 37.7 32.8 49.2
86 62.9 52.5 78.7

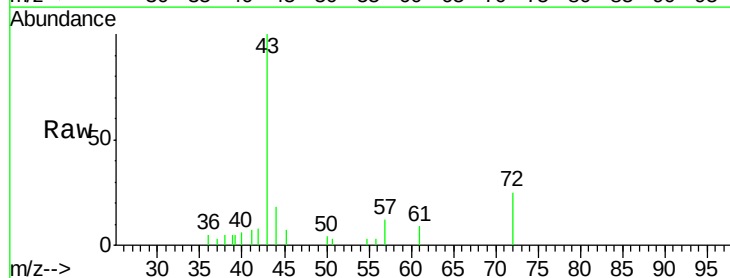


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

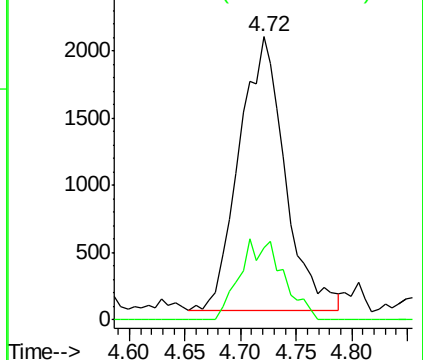
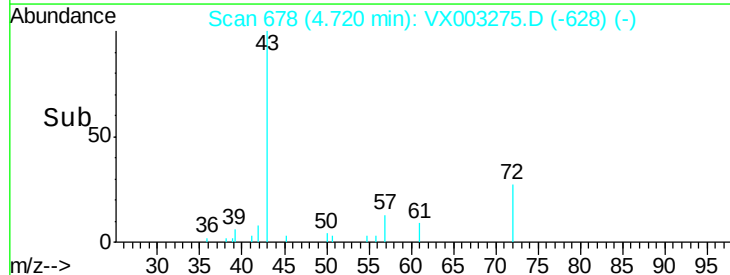


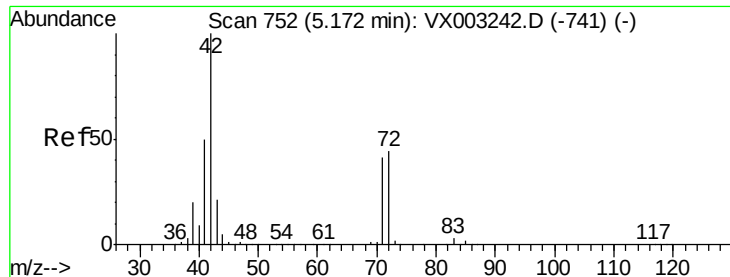
#25
2-Butanone
Concen: 2.31 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Tgt Ion: 43 Resp: 5821
Ion Ratio Lower Upper
43 100
72 26.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.29 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

72-12002-RBR-RBR-VNJ-230

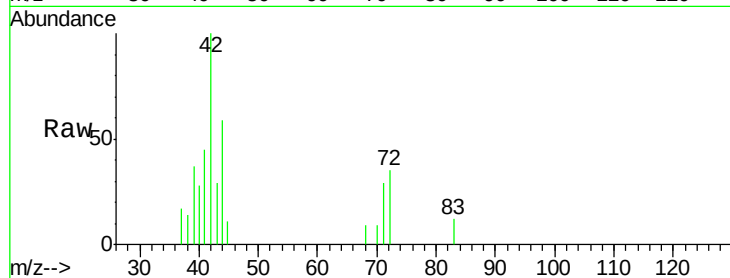
Tot Ion: 42 Resp: 2107

Ion Ratio Lower Upper

42 100

72 34.9 32.0 48.0

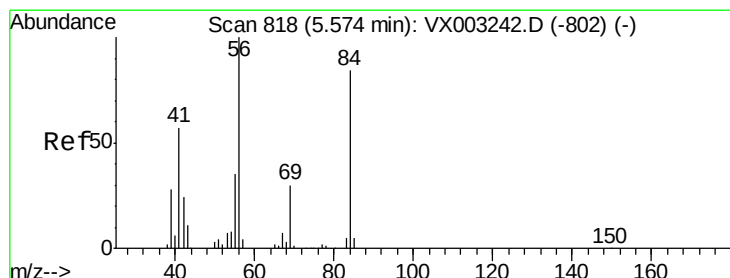
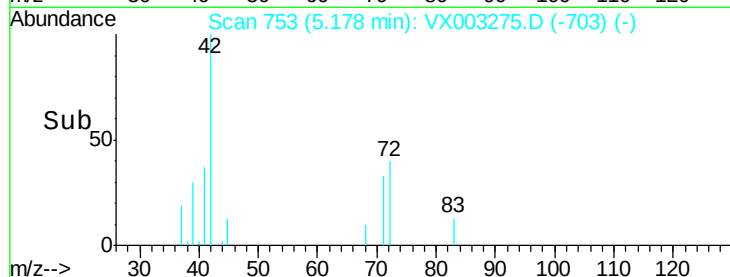
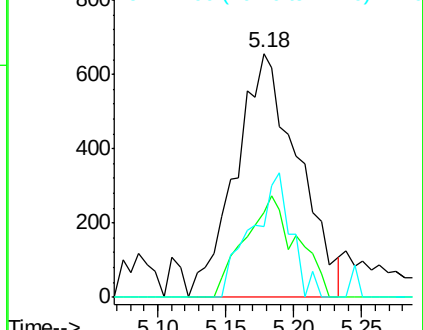
71 32.3 30.1 45.1



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: 0.87 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

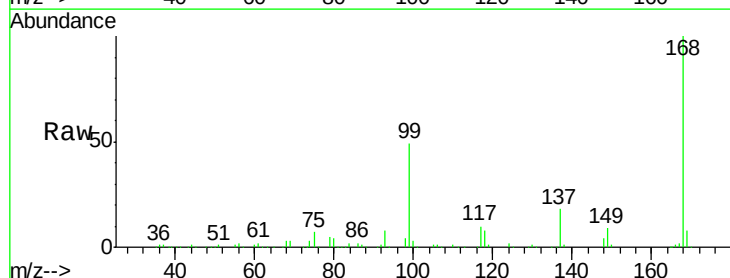
Tgt Ion: 56 Resp: 4603

Ion Ratio Lower Upper

56 100

69 191.9 23.7 35.5#

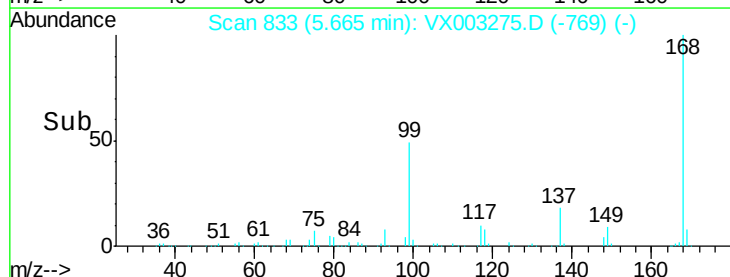
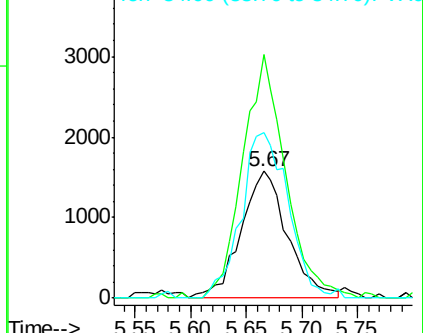
84 130.3 64.1 96.1#

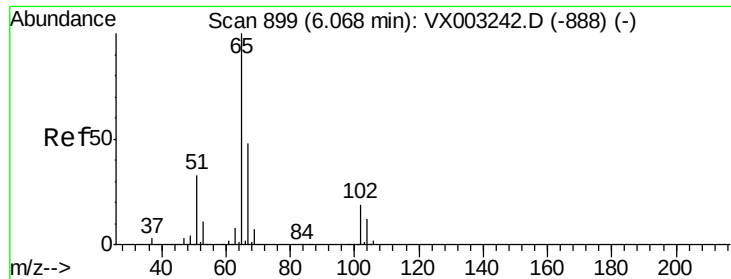


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

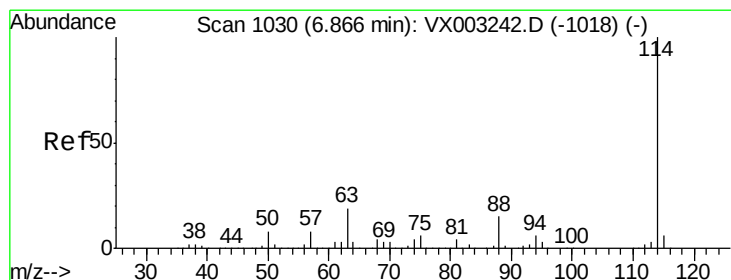
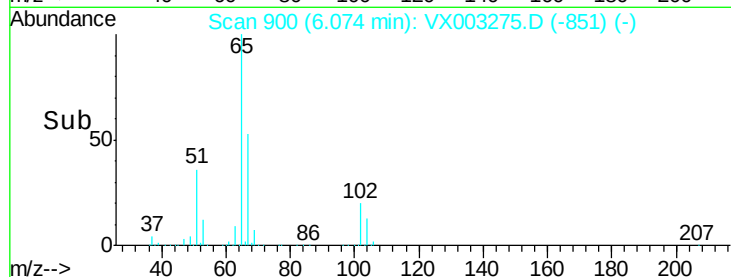
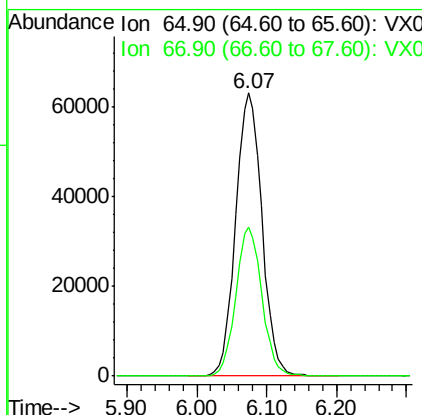
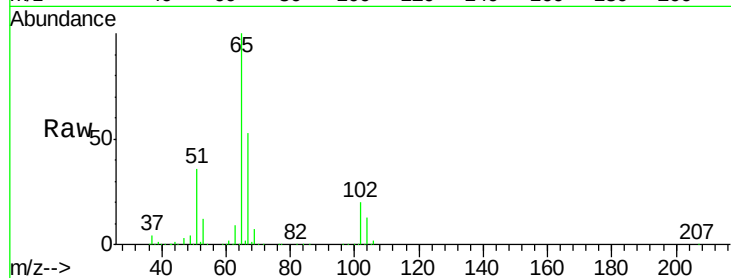




#33
 1,2-Dichloroethane-d4
 Concen: 41.13 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

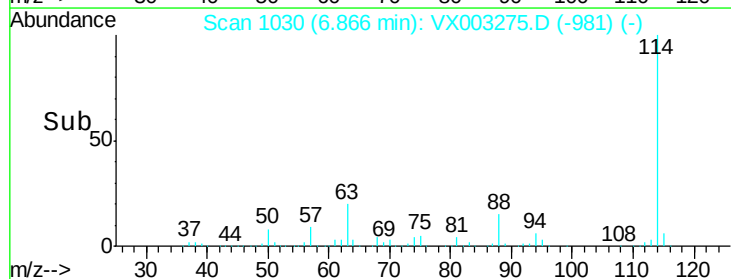
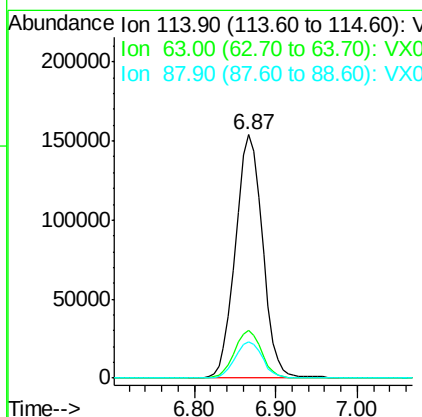
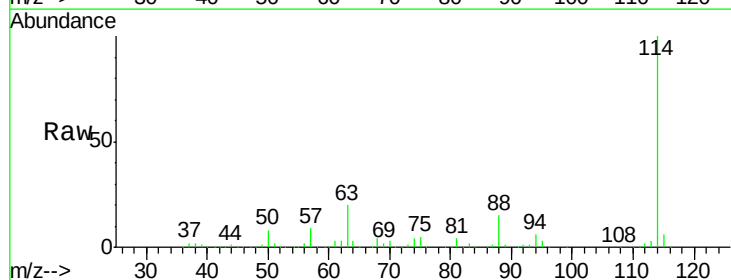
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

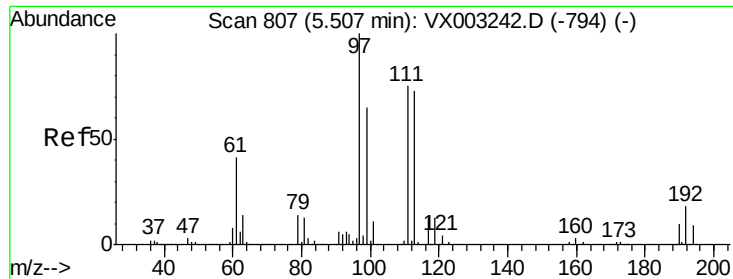
Tot Ion: 65 Resp: 165259
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

Tgt Ion: 114 Resp: 354539
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.1 0.0 30.0

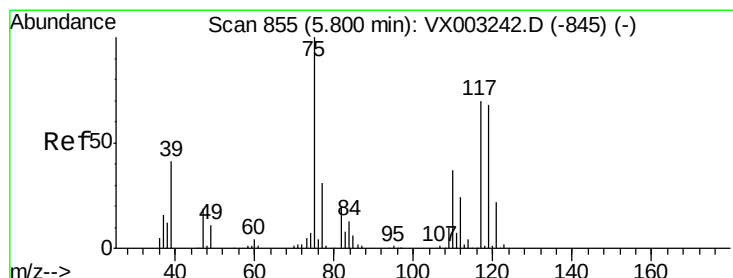
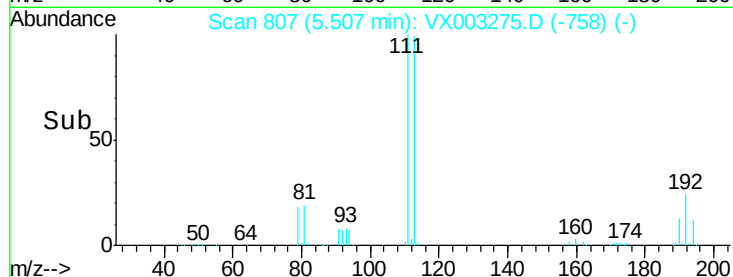
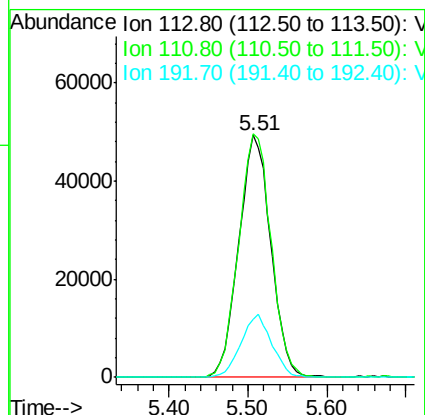
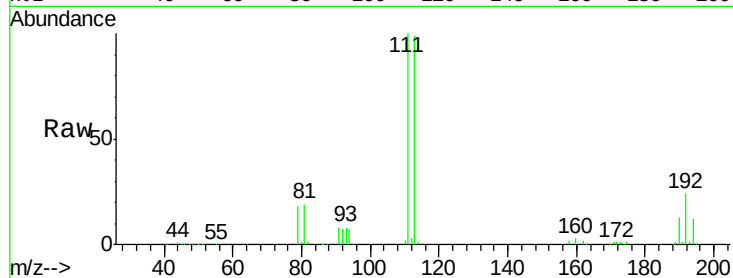




#35
Dibromofluoromethane
Concen: 36.64 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

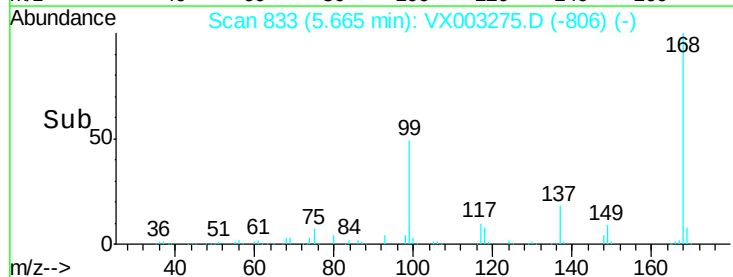
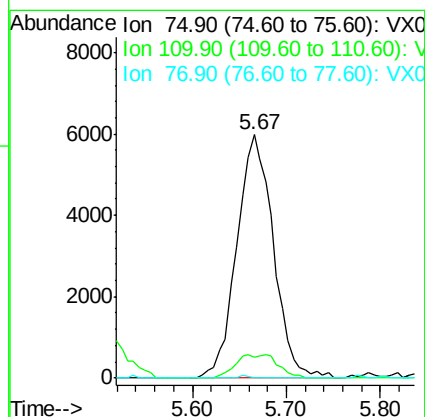
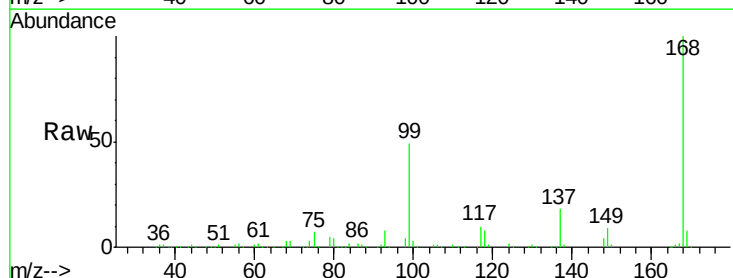
Instrument :
MSVOA_X
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

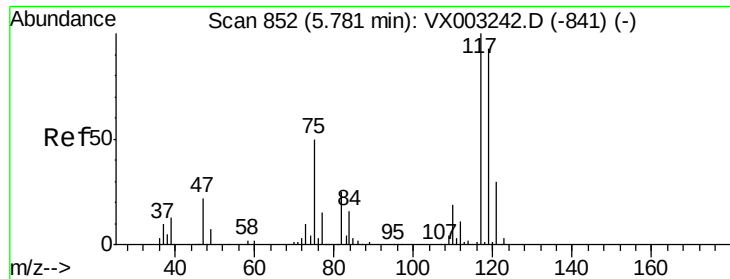
Tot Ion:113 Resp: 139549
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 25.0 19.1 28.7



#36
1,1-Dichloropropene
Concen: 3.24 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Tgt Ion: 75 Resp: 16252
Ion Ratio Lower Upper
75 100
110 5.3 18.1 54.4#
77 0.3 24.3 36.5#

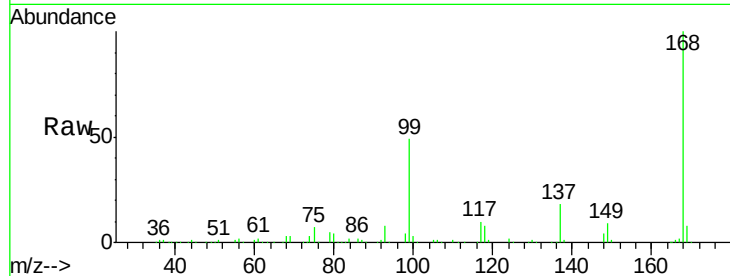




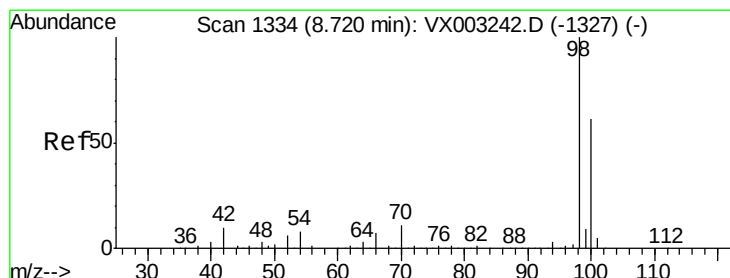
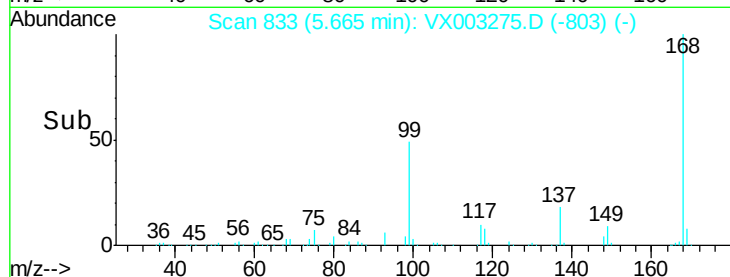
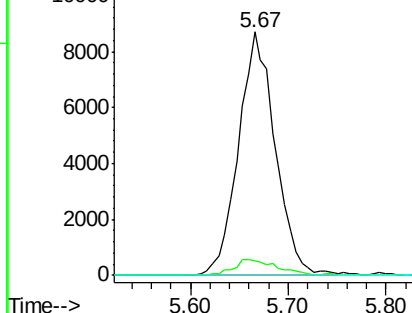
#38
Carbon Tetrachloride
Concen: 4.13 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Tot Ion:117 Resp: 22650
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 24.4 36.6#

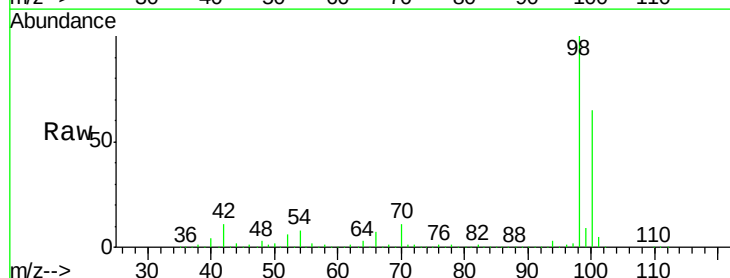


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

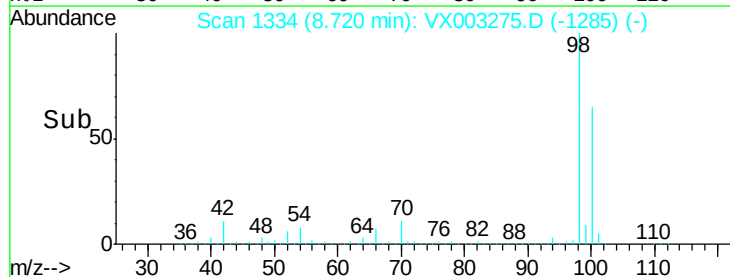
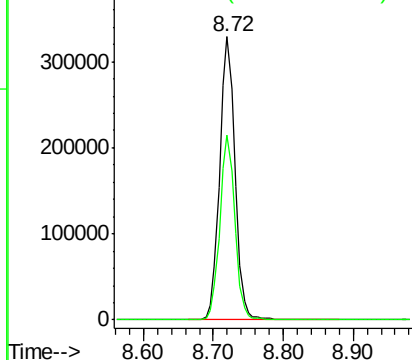


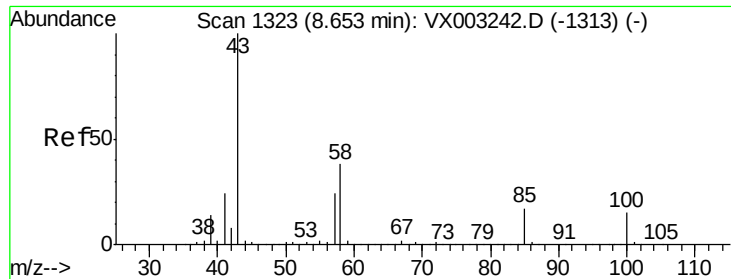
#50
Toluene-d8
Concen: 37.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Tgt Ion: 98 Resp: 502010
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

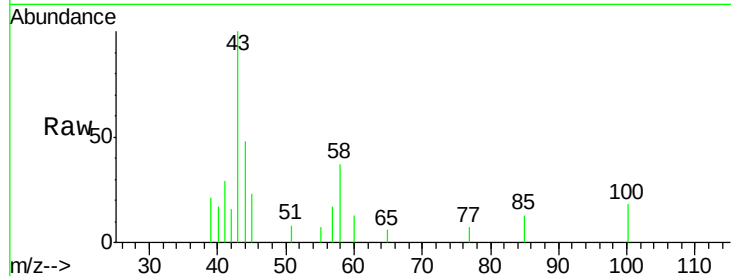
72-12002-RBR-RBR-VNJ-230

Tot Ion: 43 Resp: 1350

Ion Ratio Lower Upper

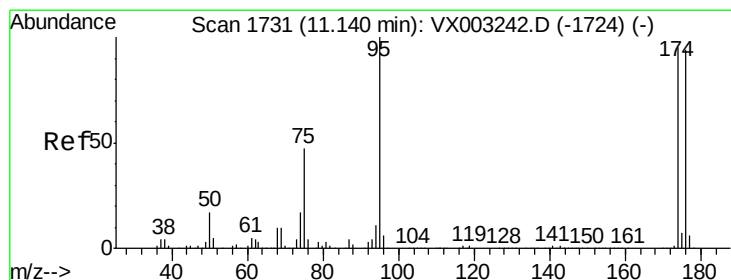
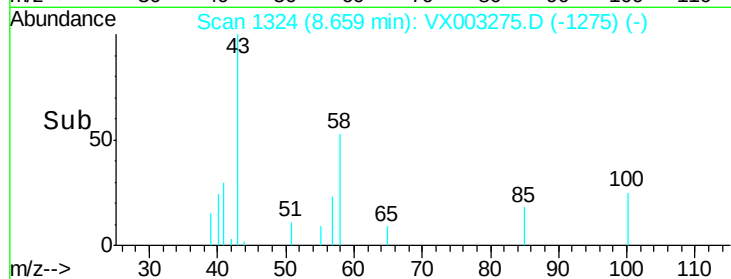
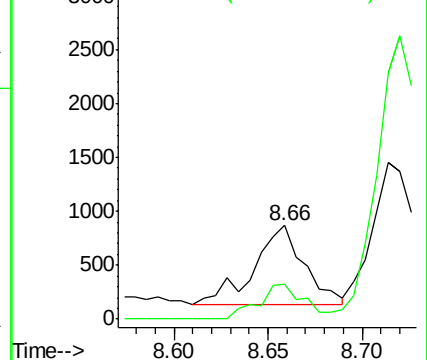
43 100

58 41.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 35.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

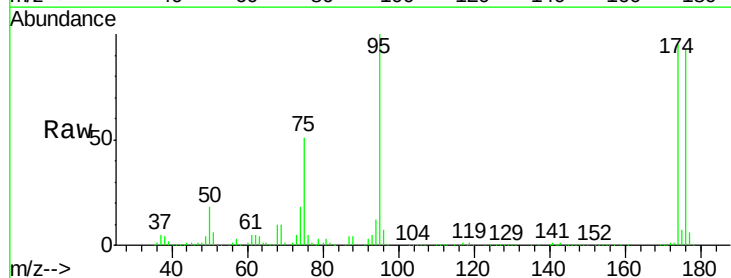
Tgt Ion: 95 Resp: 175005

Ion Ratio Lower Upper

95 100

174 100.8 0.0 187.4

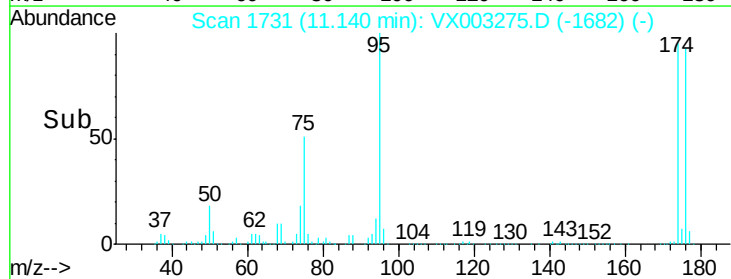
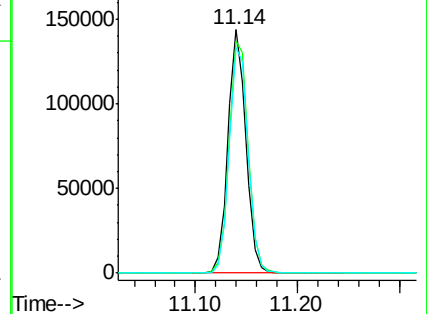
176 97.6 0.0 181.0

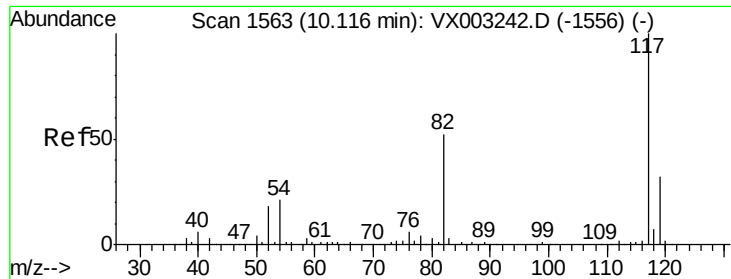


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX003275.D

Acq: 10 Jul 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

72-12002-RBR-RBR-VNJ-230

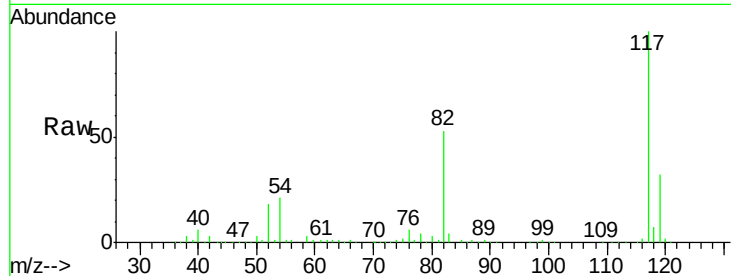
Tot Ion:117 Resp: 335170

Ion Ratio Lower Upper

117 100

82 52.6 45.0 67.4

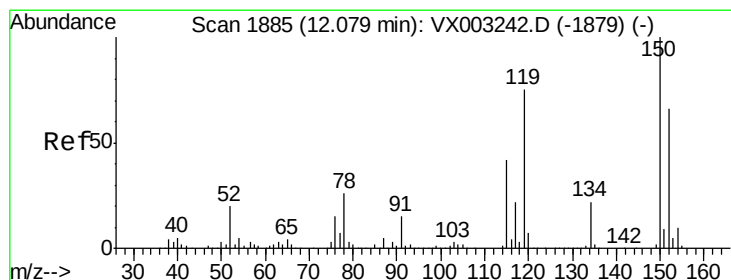
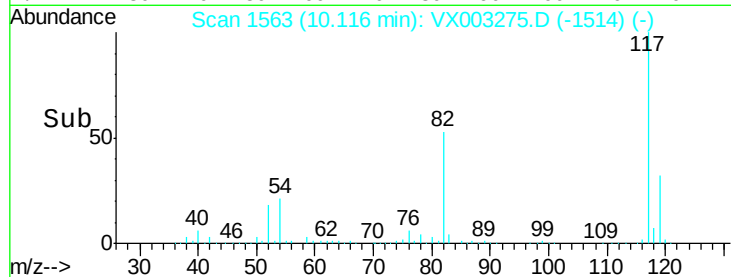
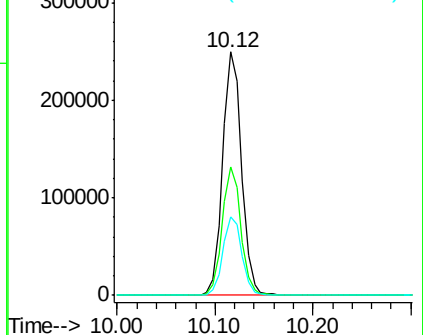
119 32.4 25.8 38.6



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: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003275.D

Acq: 10 Jul 2018 05:24

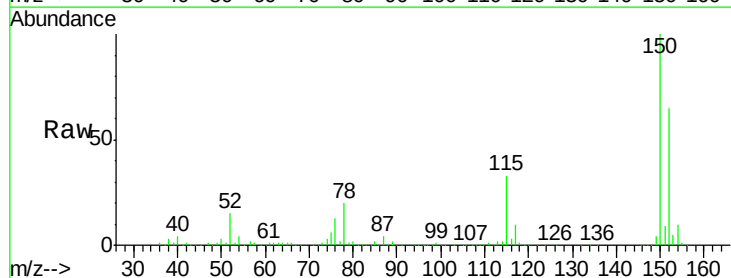
Tgt Ion:152 Resp: 200557

Ion Ratio Lower Upper

152 100

115 52.8 40.1 120.2

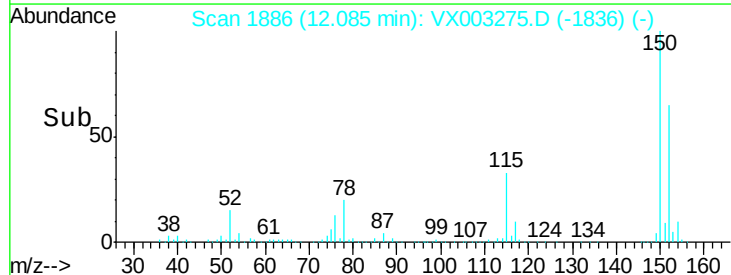
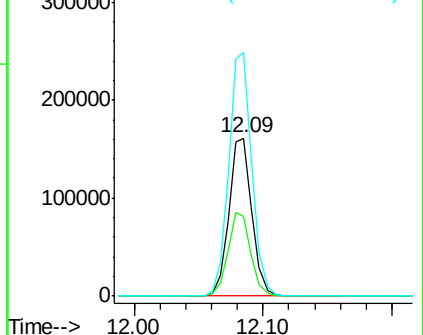
150 155.6 0.0 347.2

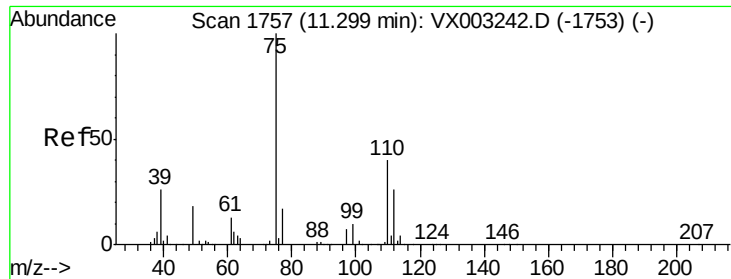


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

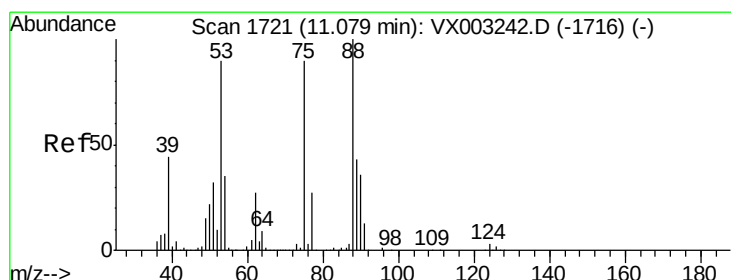
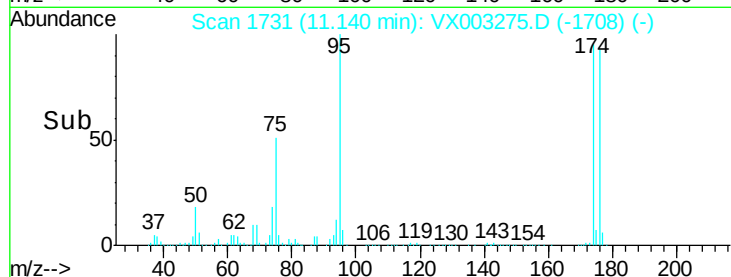
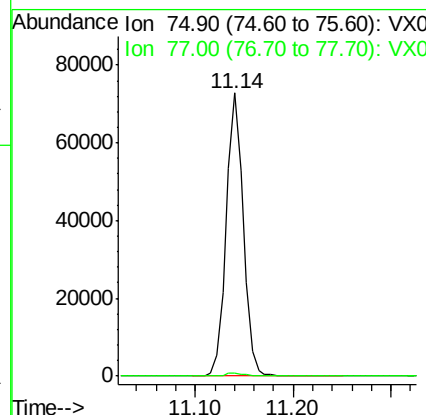
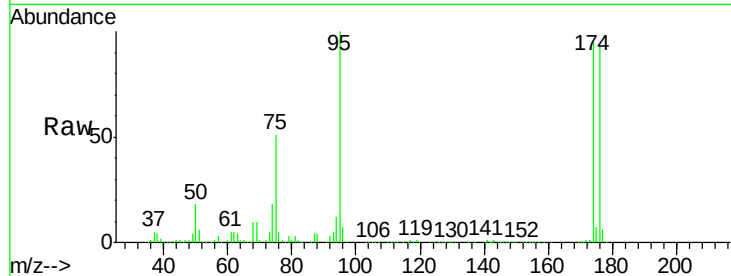




#76
 1,2,3-Trichloropropane
 Concen: 20.33 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

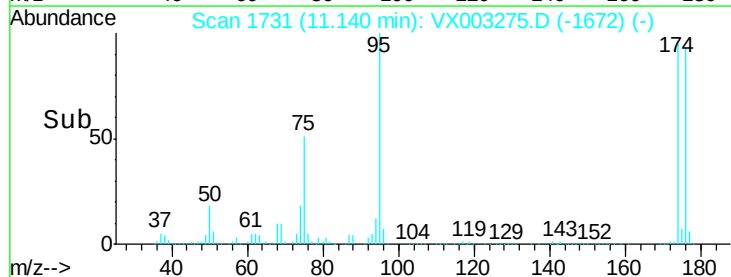
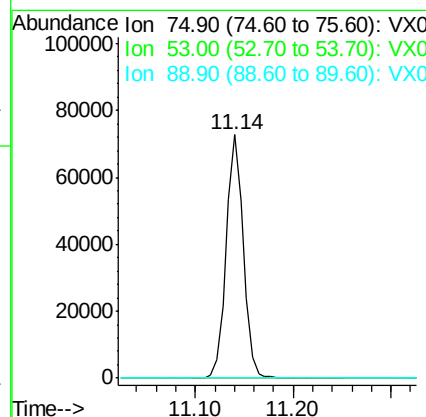
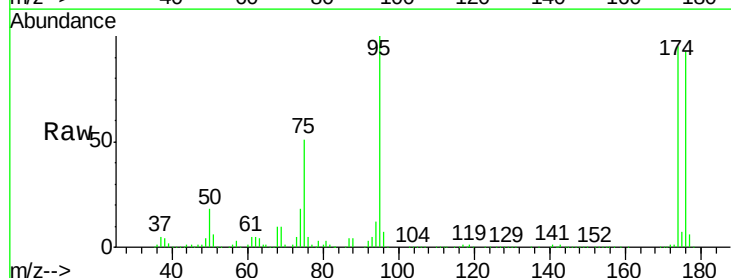
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

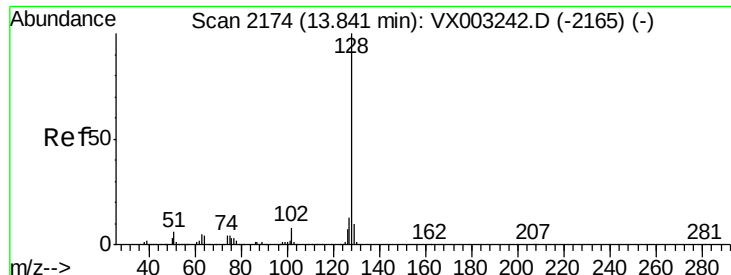
Tot Ion: 75 Resp: 88107
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.44 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003275.D
 Acq: 10 Jul 2018 05:24

Tgt Ion: 75 Resp: 88107
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#





#95
Naphthalene
Concen: 0.96 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003275.D
Acq: 10 Jul 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	12.0	8.6	13.0

