

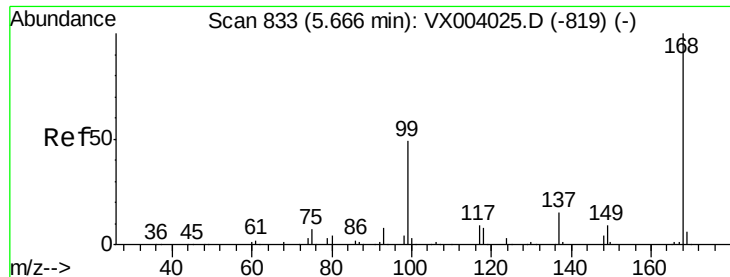
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004060.D
 Acq On : 15 Aug 2018 06:07
 Operator : JC/MD
 Sample : J4439-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP2-SRI3

Quant Time: Aug 15 09:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211634	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	194325	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
35) Dibromofluoromethane	5.50	113	163414	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
50) Toluene-d8	8.72	98	590468	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.14	95	198449	44.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.40%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	729	0.261	ug/l	89
6) Chloroethane	1.61	64	2650	Below Cal	#	58
10) Methyl Iodide	2.53	142	366	5.118	ug/l #	81
11) Tert butyl alcohol	3.02	59	769	1.069	ug/l #	73
13) Acrolein	2.29	56	59	11.065	ug/l #	56
16) Acetone	2.43	43	4523	2.435	ug/l	96
18) Methyl Acetate	2.78	43	916	0.222	ug/l #	75
19) Methyl tert-butyl Ether	3.20	73	2599	0.277	ug/l	97
20) Methylene Chloride	2.86	84	238	Below Cal	#	70
27) cis-1,2-Dichloroethene	4.60	96	3927	1.153	ug/l	79
31) Cyclohexane	5.67	56	4611	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17479	3.808	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22382	5.018	ug/l #	16
44) Trichloroethene	7.21	130	13790	3.685	ug/l	96
60) Dibromochloromethane	9.34	129	31085	8.973	ug/l #	11
64) Tetrachloroethene	9.34	164	36241	9.880	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	96625	22.767	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96625	70.475	ug/l #	10
95) Naphthalene	13.84	128	334	1.166	ug/l #	69

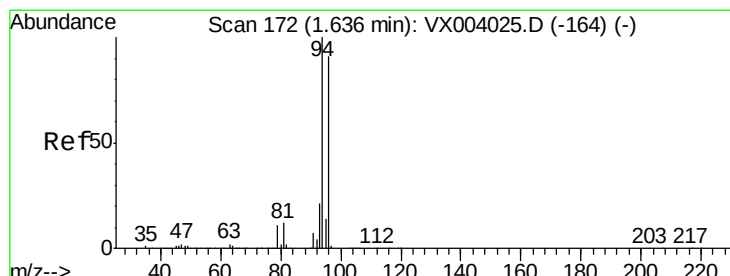
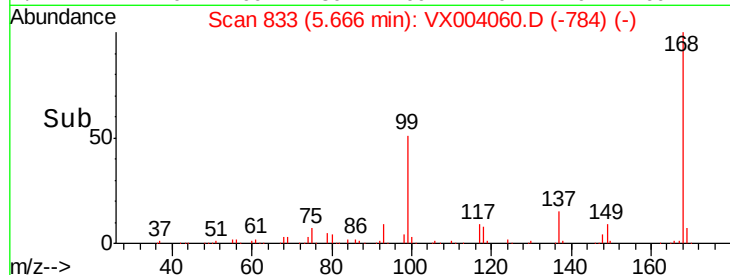
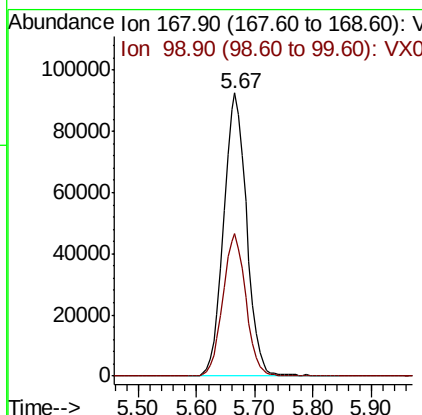
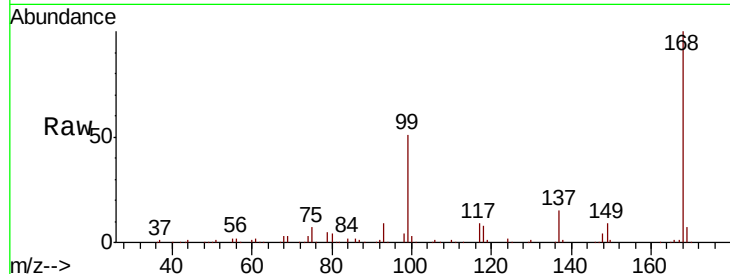
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

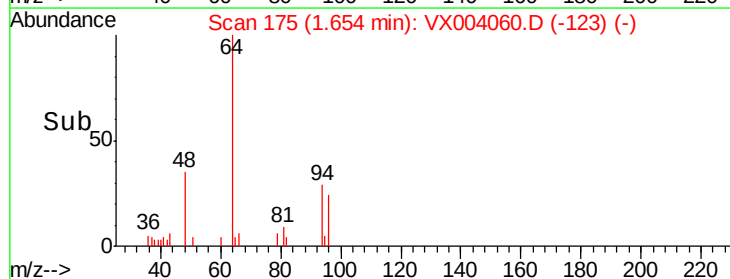
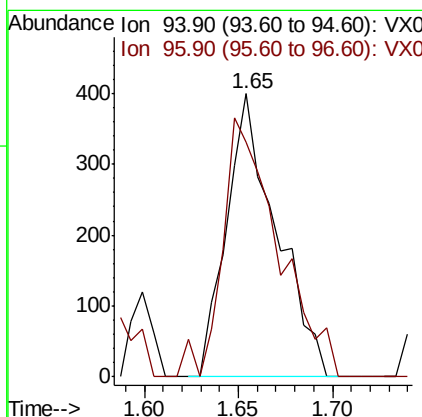
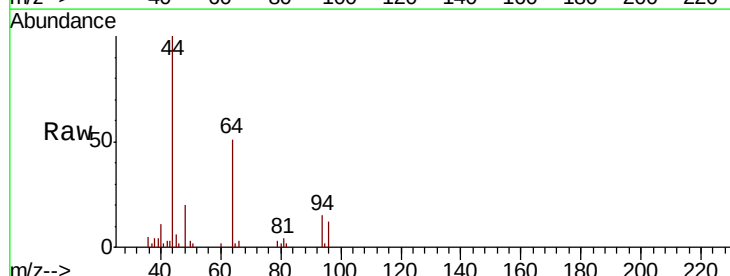
Instrument :
MSVOA_X
ClientSampled :
DUP2-SRI3

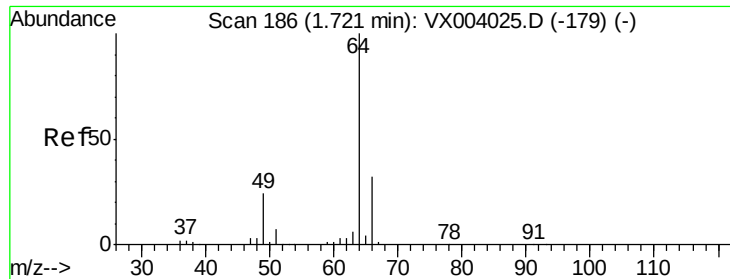
Tgt Ion: 168 Resp: 253555
Ion Ratio Lower Upper
168 100
99 50.6 40.1 60.1



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

Tgt Ion: 94 Resp: 729
Ion Ratio Lower Upper
94 100
96 83.0 75.2 112.8





#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.11 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampled :

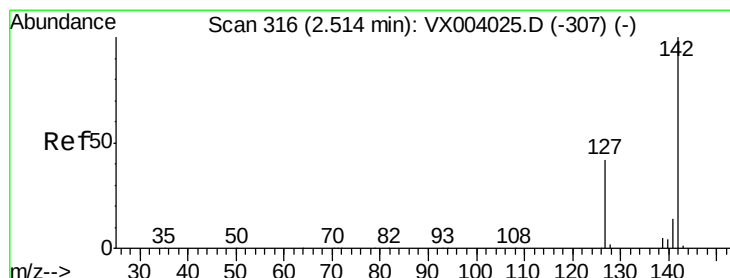
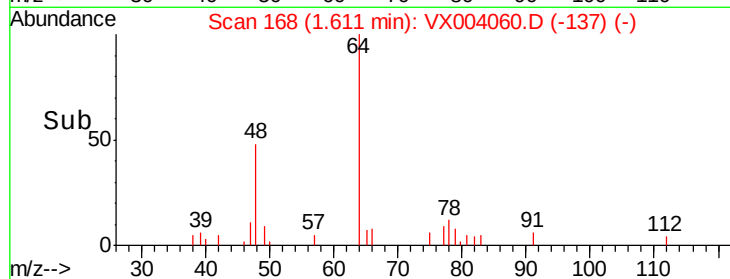
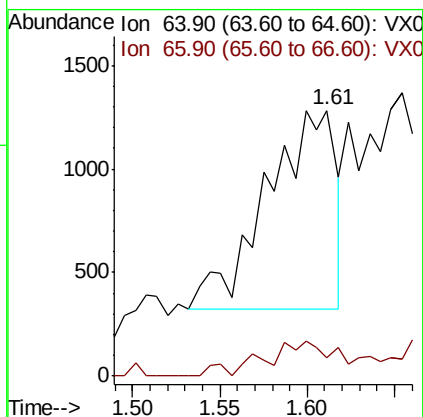
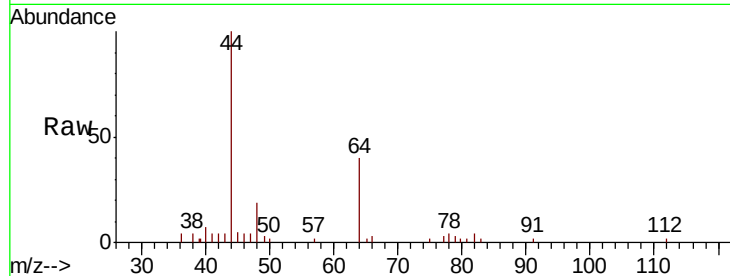
DUP2-SRI3

Tgt Ion: 64 Resp: 2650

Ion Ratio Lower Upper

64 100

66 9.5 26.5 39.7#



#10

Methyl Iodide

Concen: 5.118 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

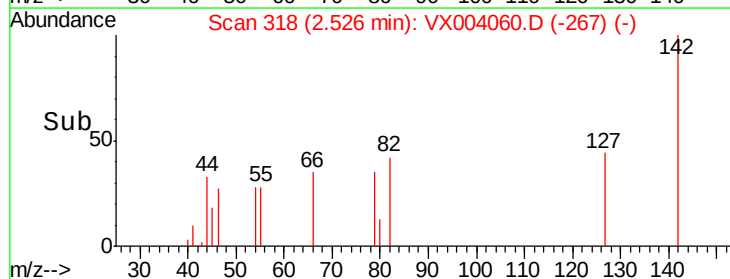
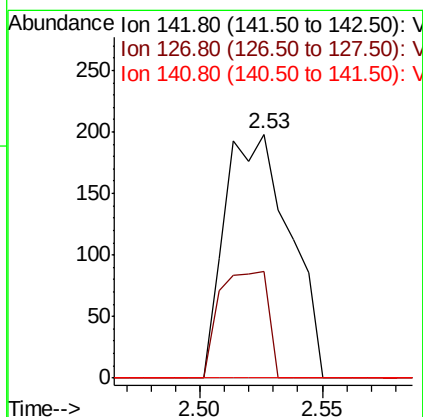
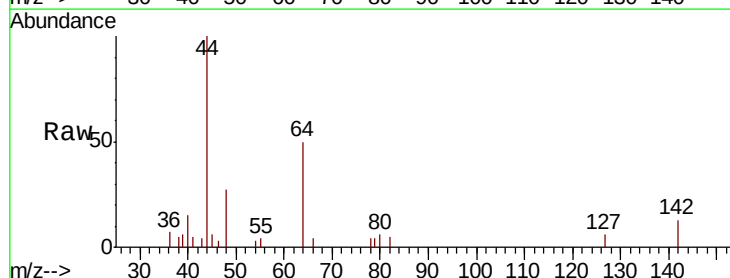
Tgt Ion: 142 Resp: 366

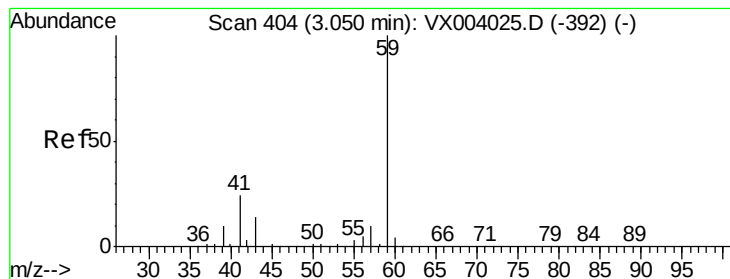
Ion Ratio Lower Upper

142 100

127 32.5 33.1 49.7#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.069 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.03 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

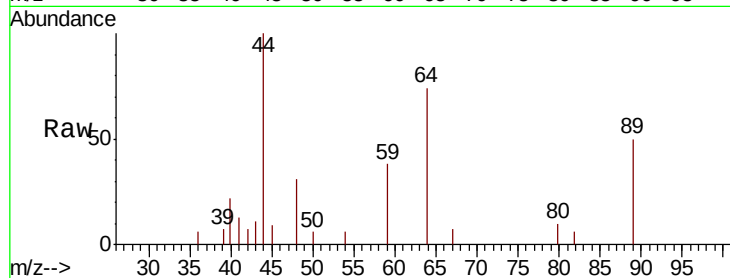
DUP2-SRI3

Tgt Ion: 59 Resp: 769

Ion Ratio Lower Upper

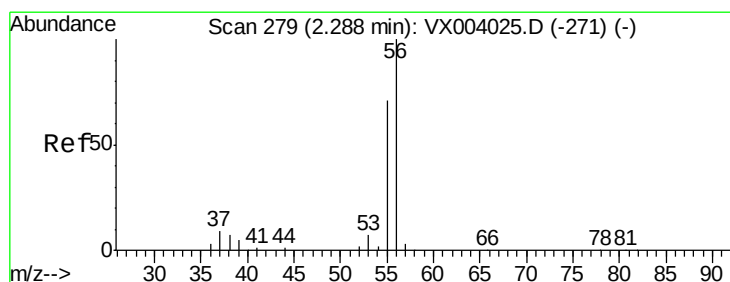
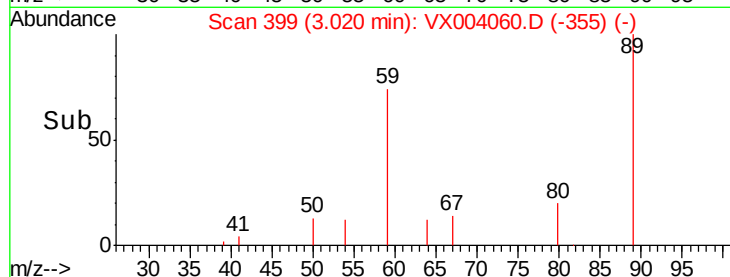
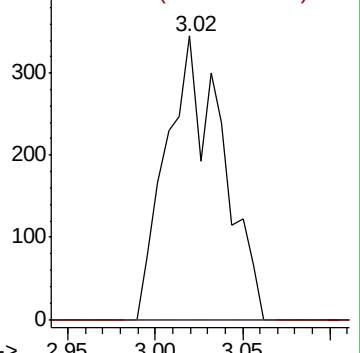
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 11.065 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004060.D

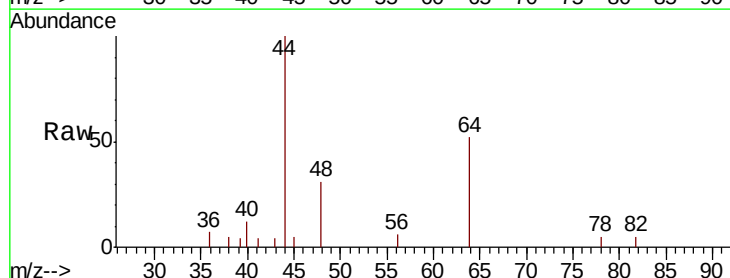
Acq: 15 Aug 2018 06:07

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

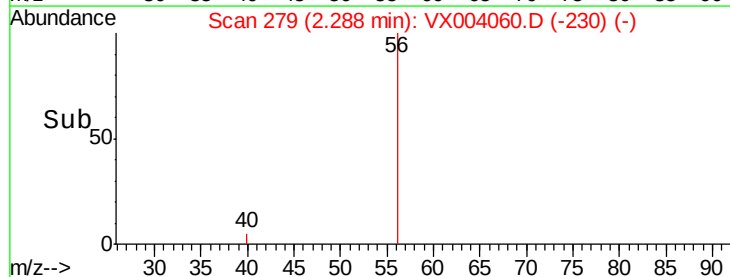
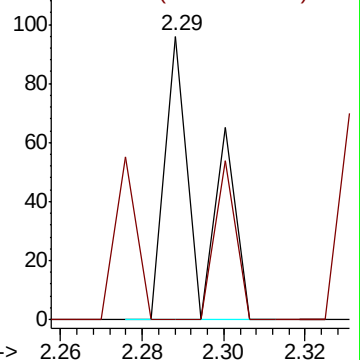
56 100

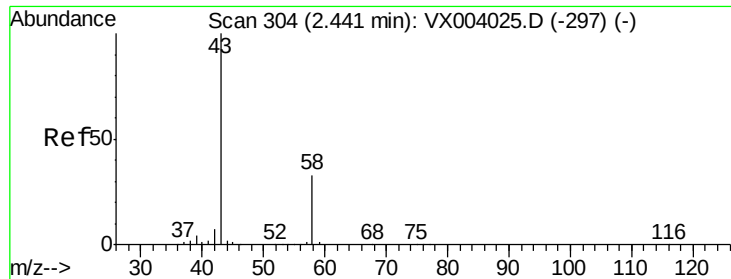
55 33.9 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.435 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampled :

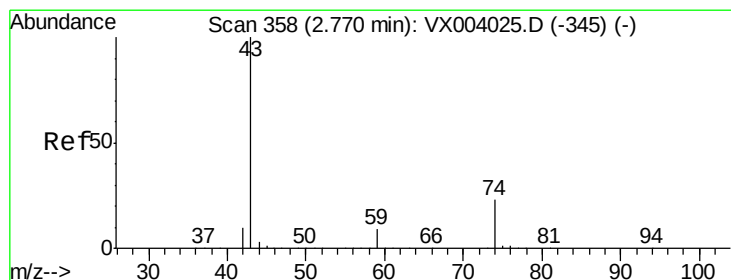
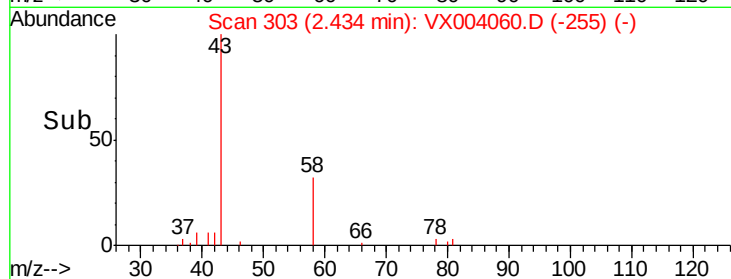
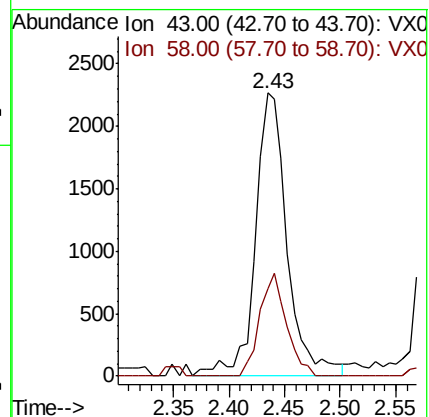
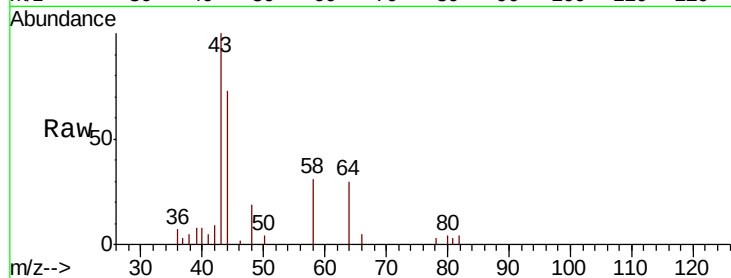
DUP2-SRI3

Tgt Ion: 43 Resp: 4523

Ion Ratio Lower Upper

43 100

58 30.7 26.4 39.6



#18

Methyl Acetate

Concen: 0.222 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004060.D

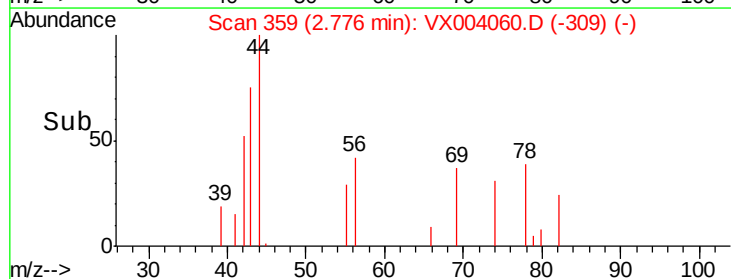
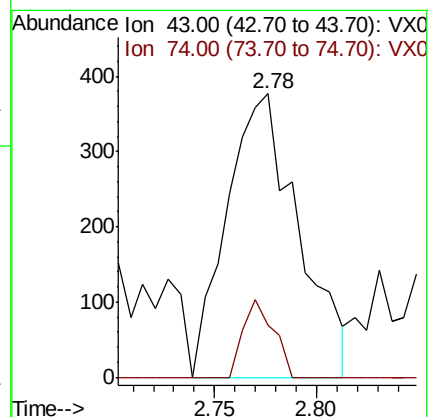
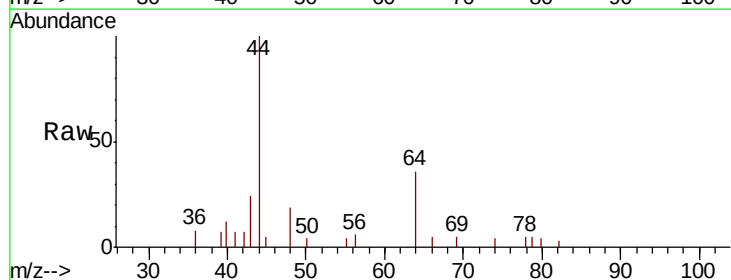
Acq: 15 Aug 2018 06:07

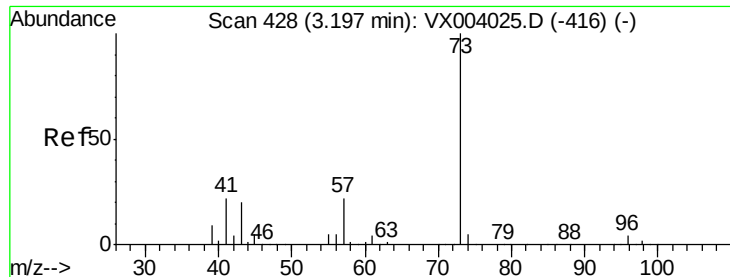
Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

74 11.6 18.9 28.3#





#19

Methyl tert-butyl Ether

Concen: 0.277 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampled :

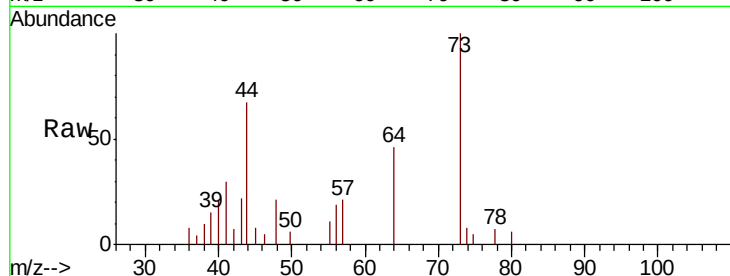
DUP2-SRI3

Tgt Ion: 73 Resp: 2599

Ion Ratio Lower Upper

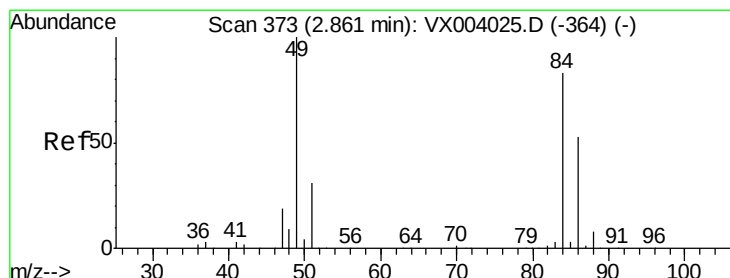
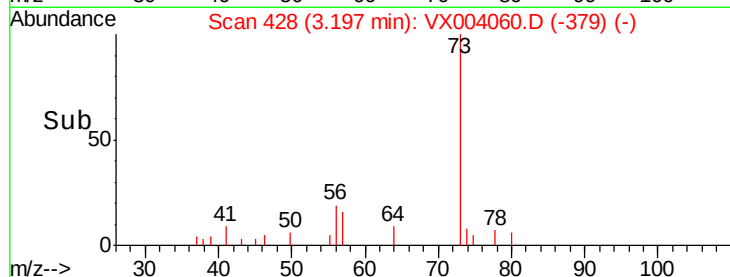
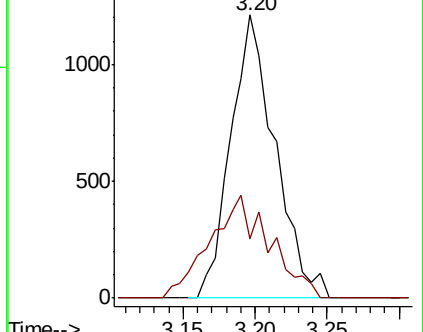
73 100

57 21.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Tgt Ion: 84 Resp: 238

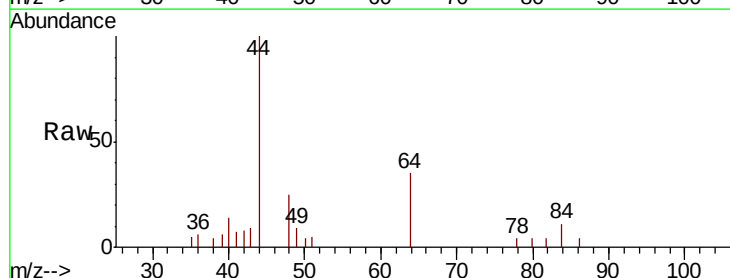
Ion Ratio Lower Upper

84 100

49 85.1 98.9 148.3#

51 47.2 29.9 44.9#

86 40.4 51.0 76.6#

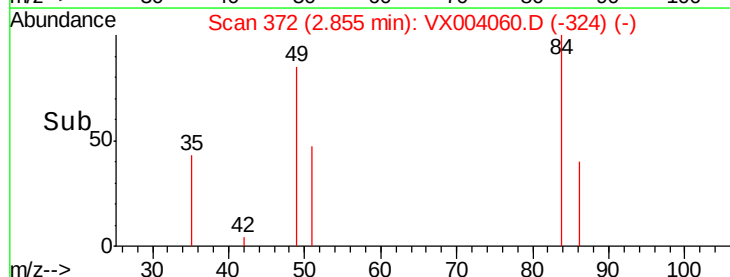
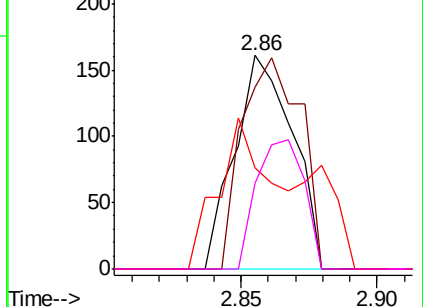


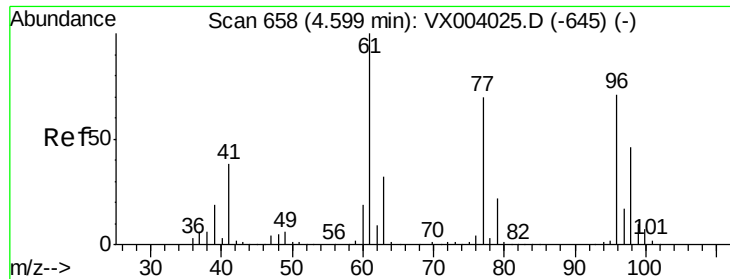
Abundance Ion 83.90 (83.60 to 84.60): VX0

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



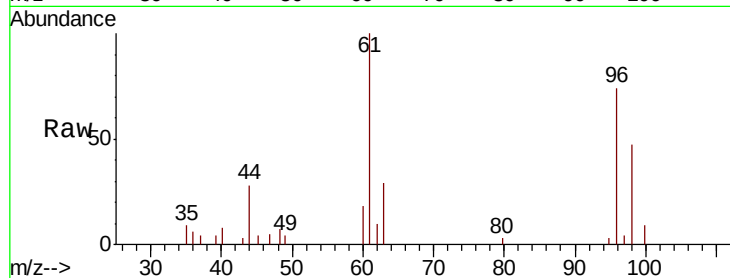


#27

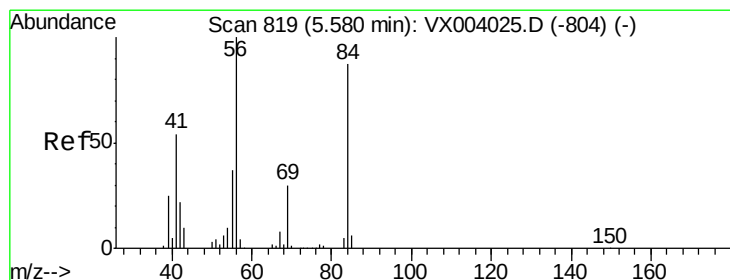
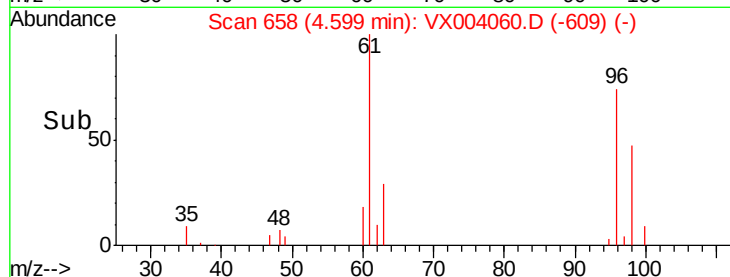
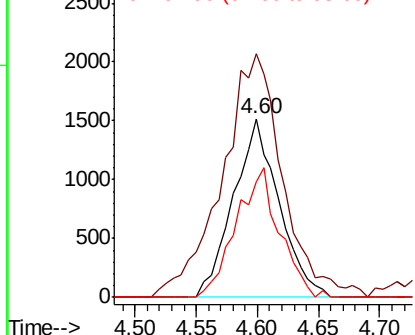
cis-1,2-Dichloroethene
Concen: 1.153 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

Instrument :
MSVOA_X
ClientSampled :
DUP2-SRI3

Tgt Ion: 96 Resp: 3927
Ion Ratio Lower Upper
96 100
61 181.3 0.0 293.0
98 69.4 0.0 131.8



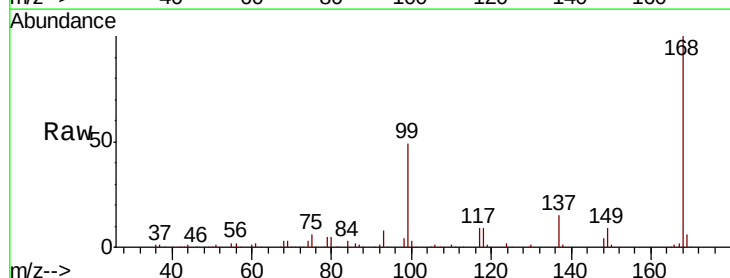
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



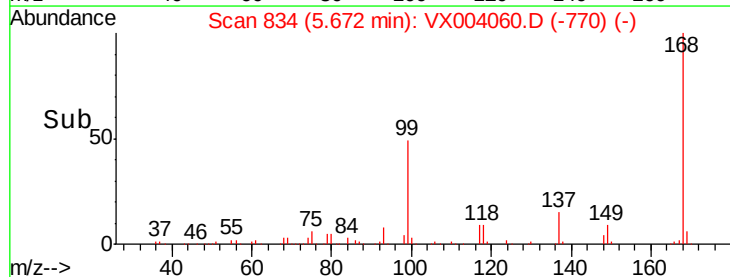
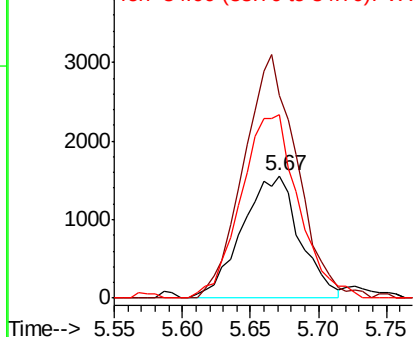
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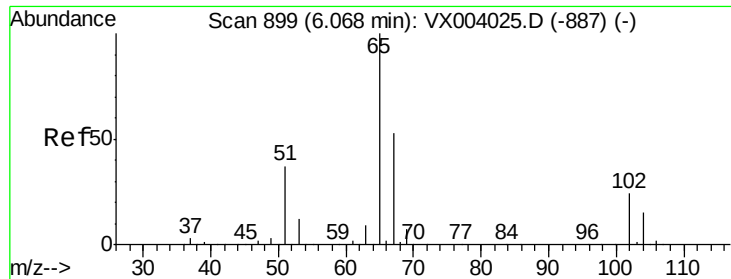
Cyclohexane
Concen: 0.934 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

Tgt Ion: 56 Resp: 4611
Ion Ratio Lower Upper
56 100
69 165.4 24.9 37.3#
84 149.8 71.7 107.5#



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

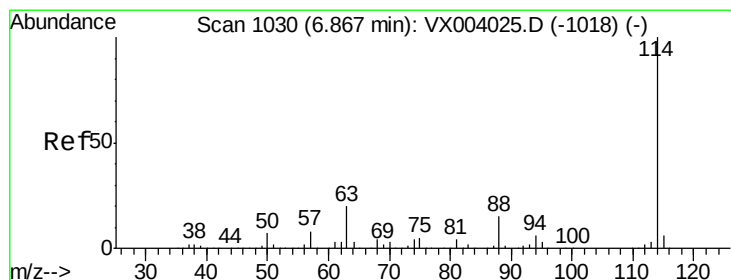
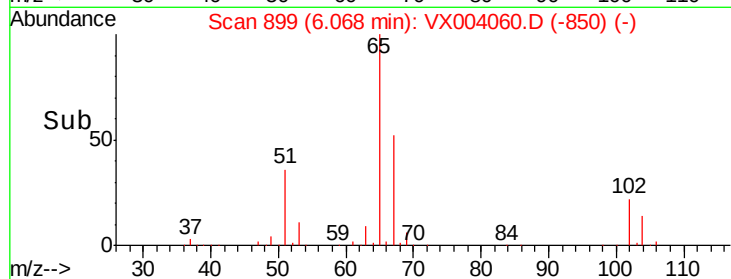
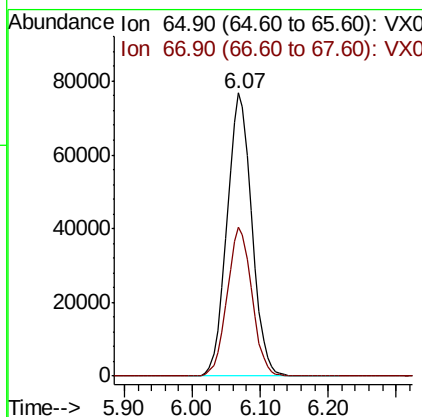
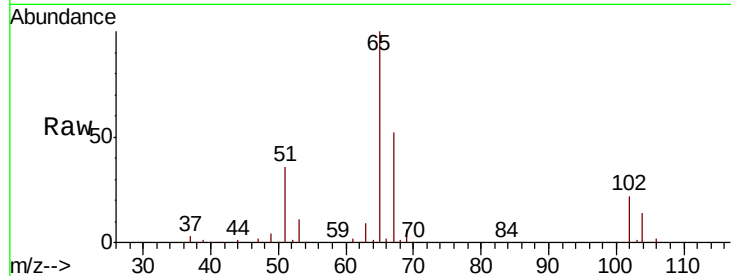




#33
 1,2-Dichloroethane-d4
 Concen: 54.395 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

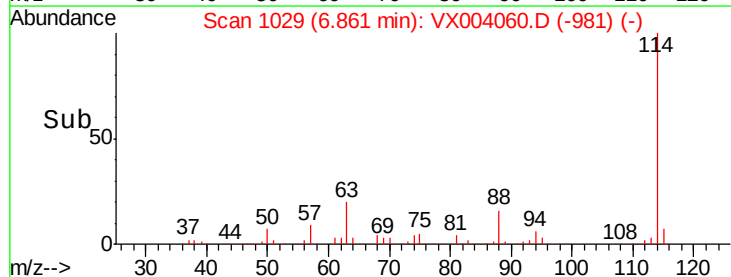
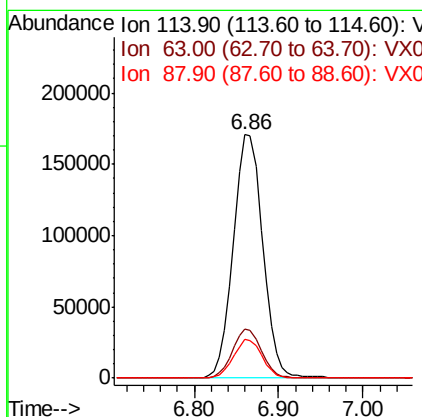
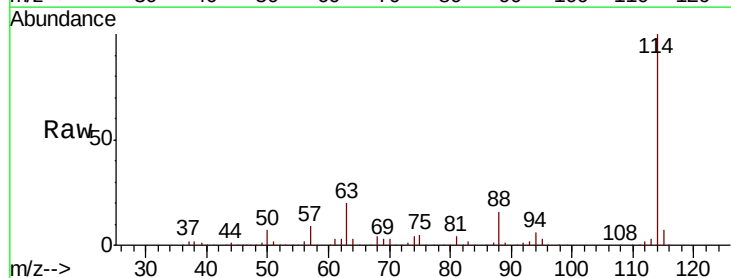
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP2-SRI3

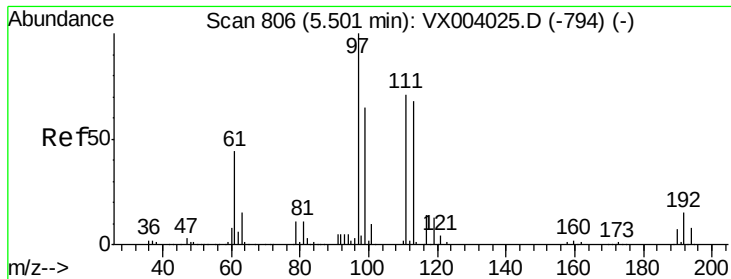
Tgt Ion: 65 Resp: 194325
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

Tgt Ion: 114 Resp: 403404
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.8 0.0 32.0

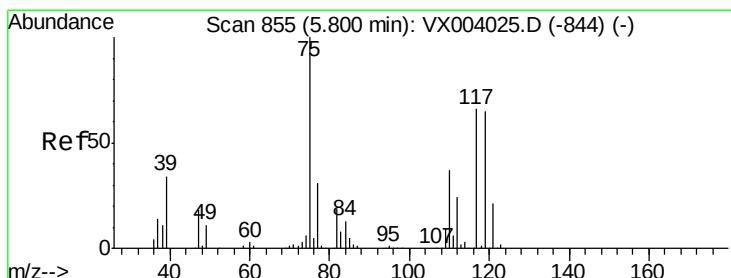
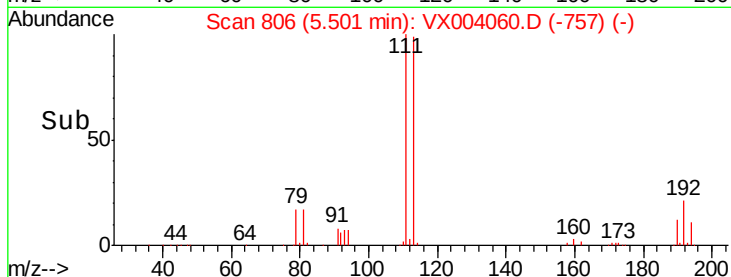
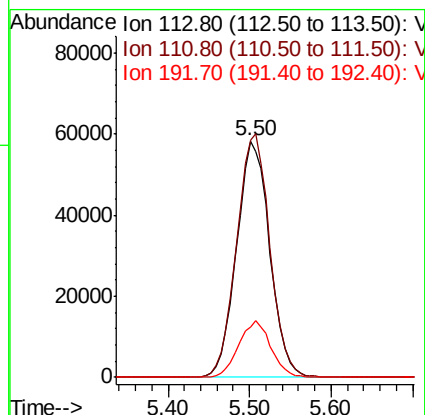
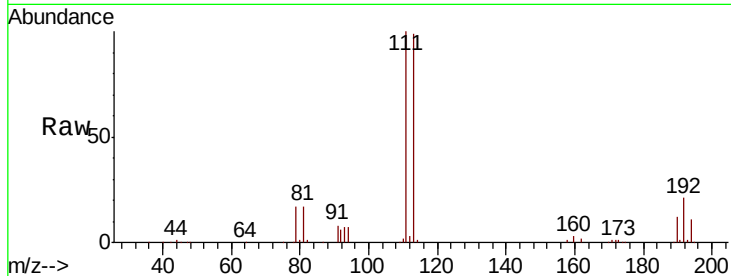




#35
 Dibromofluoromethane
 Concen: 54.126 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

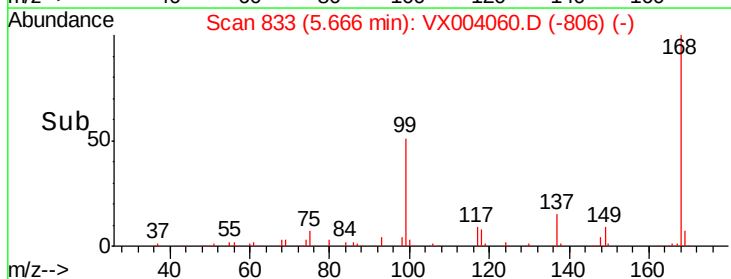
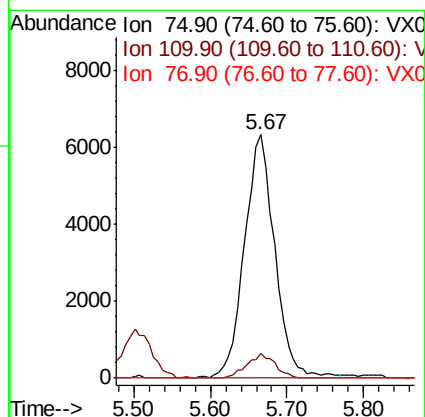
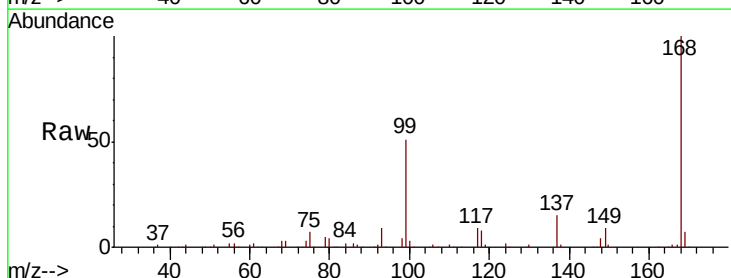
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP2-SRI3

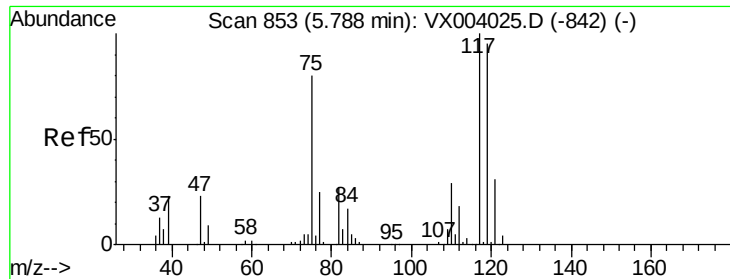
Tgt Ion:113 Resp: 163414
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.0 123.0
 192 23.3 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.808 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

Tgt Ion: 75 Resp: 17479
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.018 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampled :

DUP2-SRI3

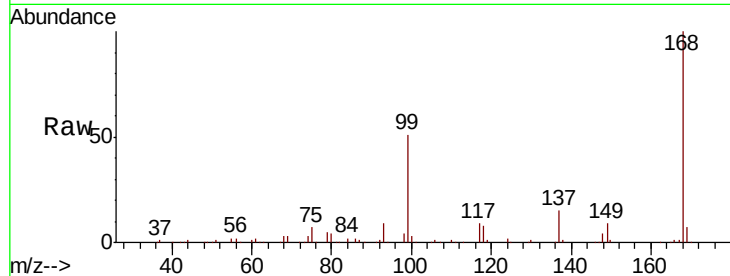
Tgt Ion:117 Resp: 22382

Ion Ratio Lower Upper

117 100

119 7.3 79.5 119.3#

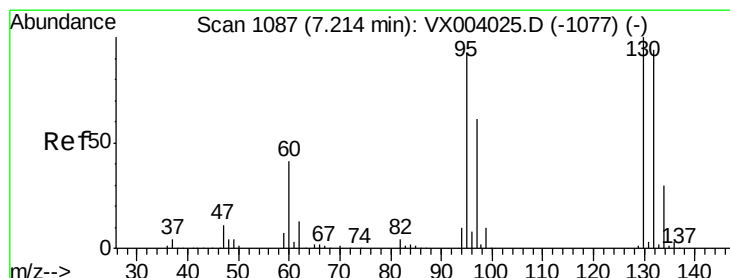
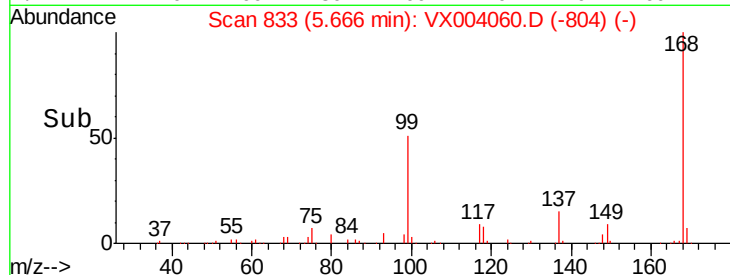
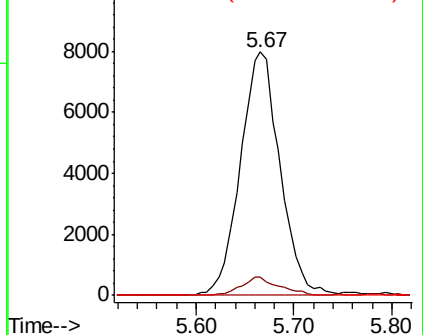
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 3.685 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004060.D

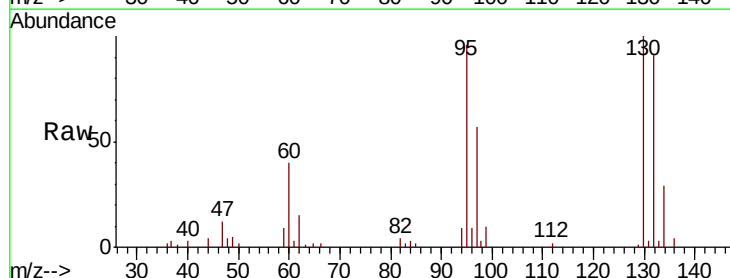
Acq: 15 Aug 2018 06:07

Tgt Ion:130 Resp: 13790

Ion Ratio Lower Upper

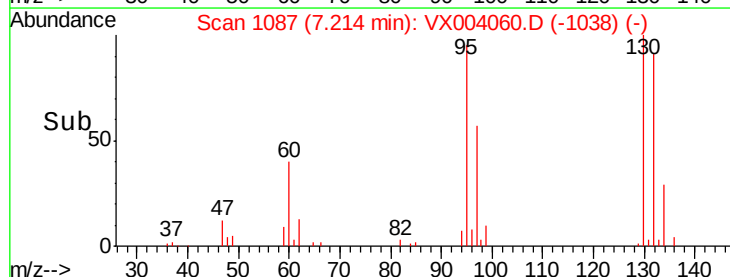
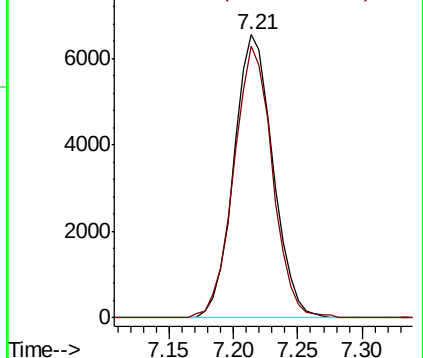
130 100

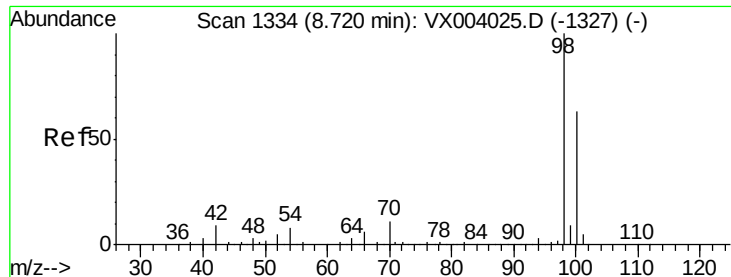
95 96.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

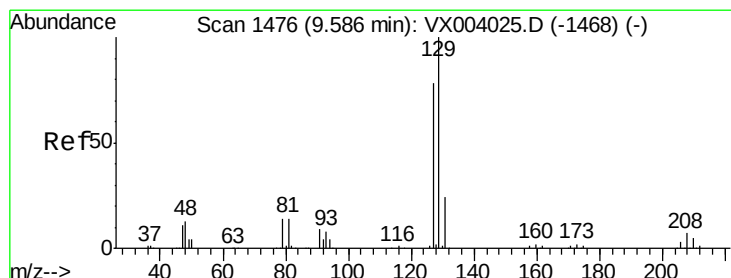
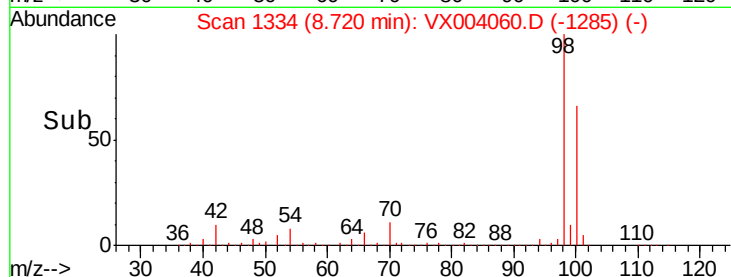
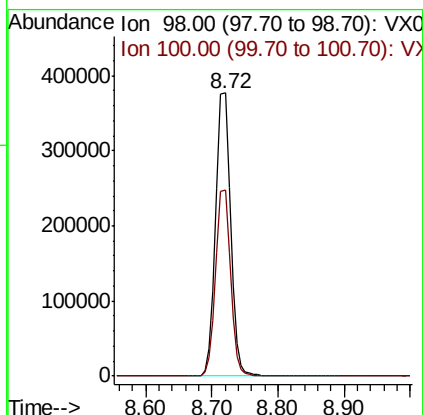
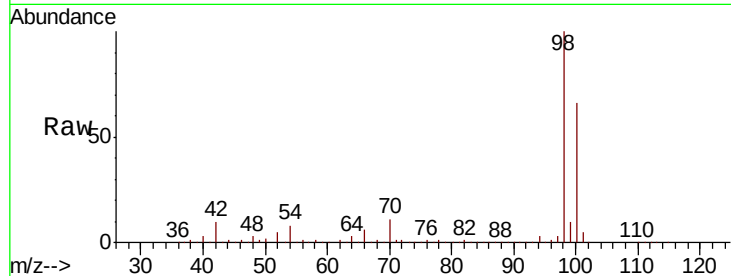




#50
Toluene-d8
Concen: 48.237 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

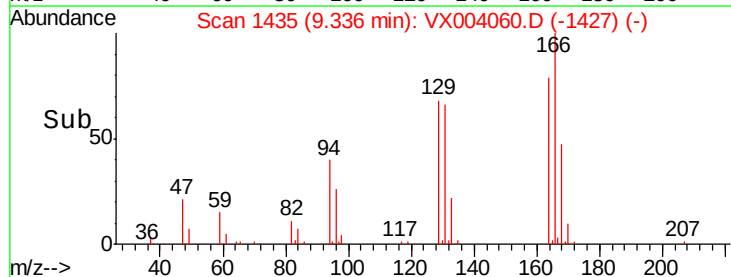
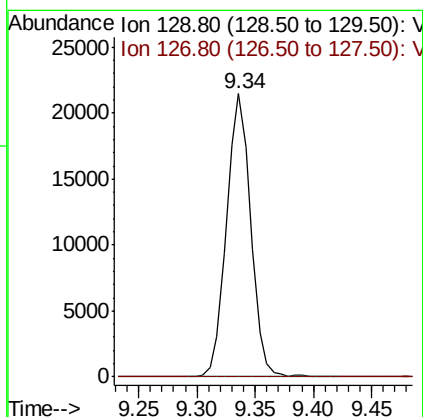
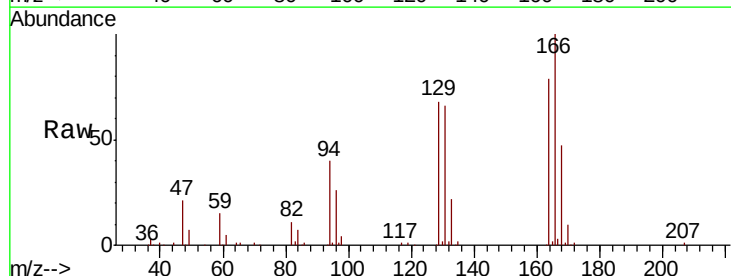
Instrument :
MSVOA_X
ClientSampleId :
DUP2-SRI3

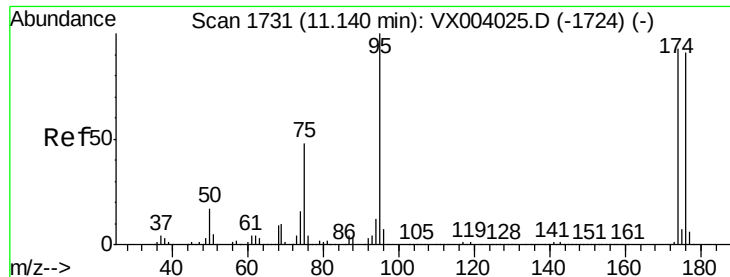
Tgt Ion: 98 Resp: 590468
Ion Ratio Lower Upper
98 100
100 65.3 53.3 79.9



#60
Dibromochloromethane
Concen: 8.973 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

Tgt Ion: 129 Resp: 31085
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

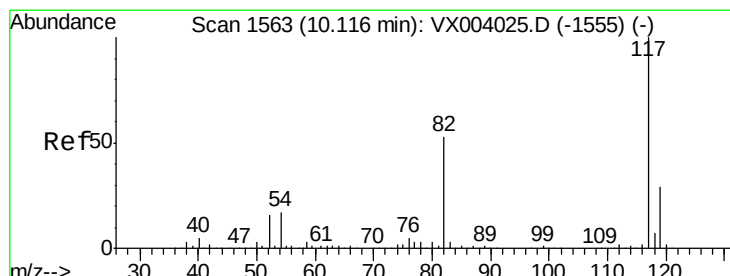
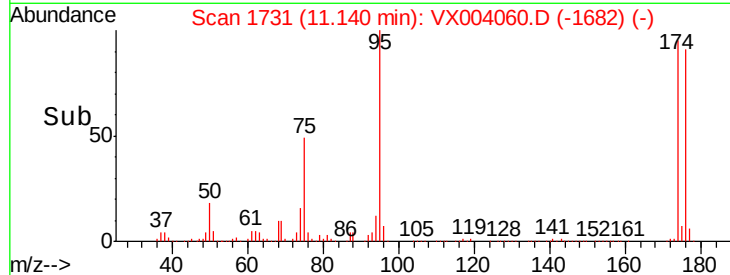
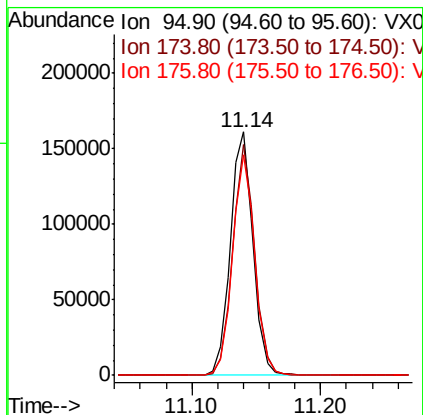
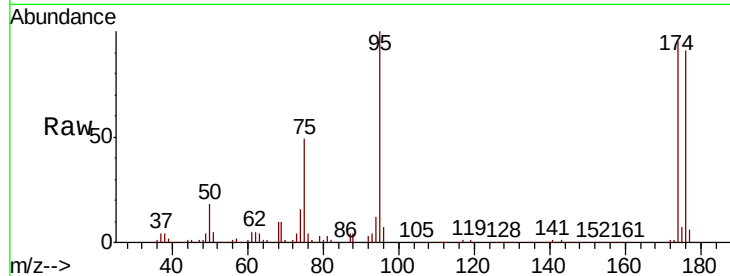




#62
 4-Bromofluorobenzene
 Concen: 44.698 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

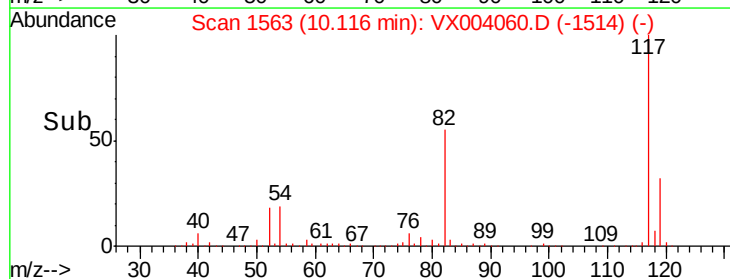
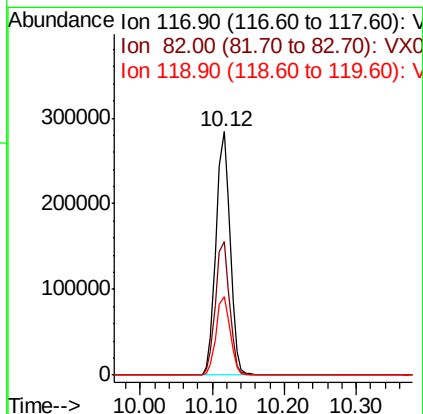
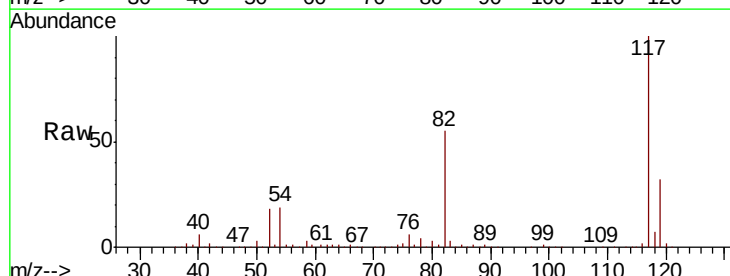
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP2-SRI3

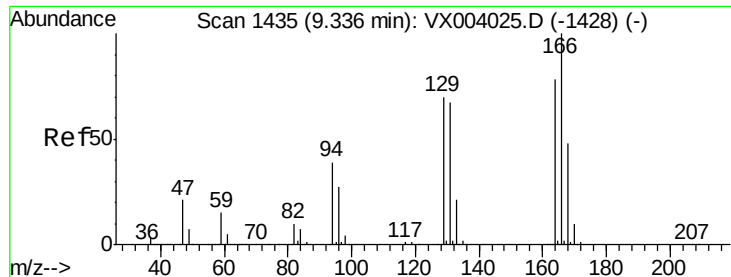
Tgt Ion: 95 Resp: 198449
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 182.8
 176 89.0 0.0 179.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004060.D
 Acq: 15 Aug 2018 06:07

Tgt Ion: 117 Resp: 387008
 Ion Ratio Lower Upper
 117 100
 82 54.9 45.4 68.0
 119 32.1 26.6 40.0





#64

Tetrachloroethene

Concen: 9.880 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

DUP2-SRI3

Tgt Ion:164 Resp: 36241

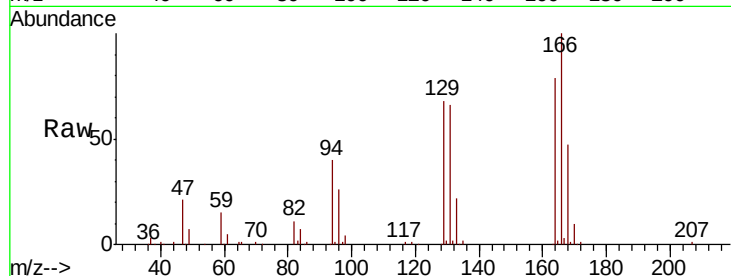
Ion Ratio Lower Upper

164 100

166 126.0 98.0 147.0

129 85.3 64.3 96.5

131 83.0 66.8 100.2



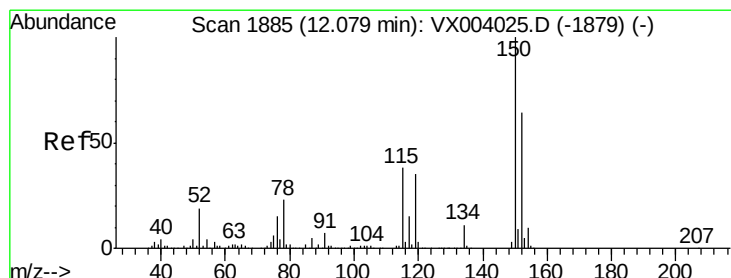
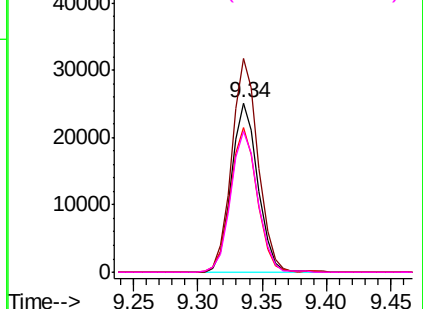
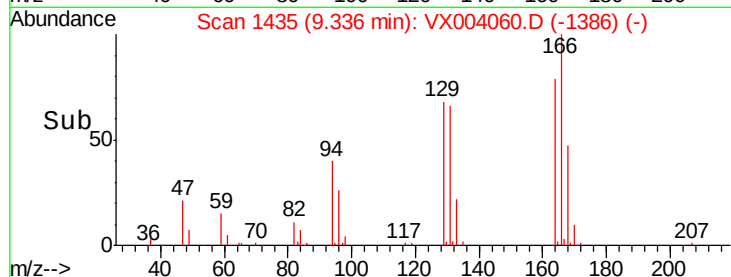
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

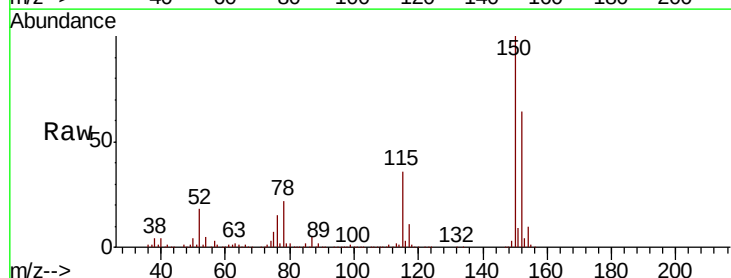
Tgt Ion:152 Resp: 211634

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.3

150 156.1 0.0 349.2

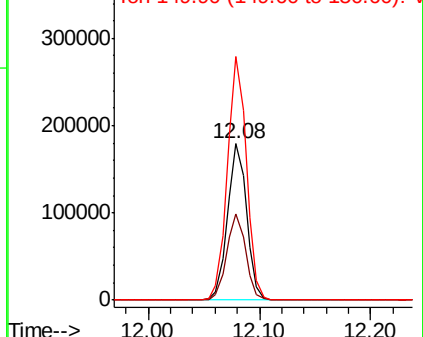
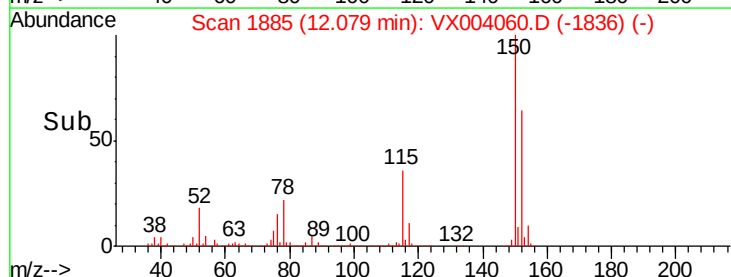


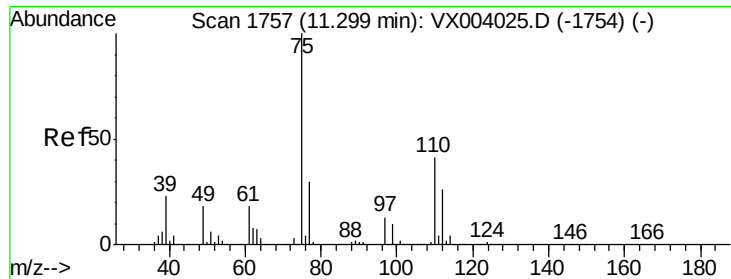
Abundance

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: 22.767 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

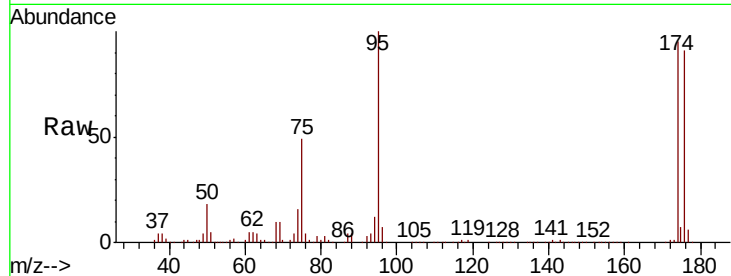
DUP2-SRI3

Tgt Ion: 75 Resp: 96625

Ion Ratio Lower Upper

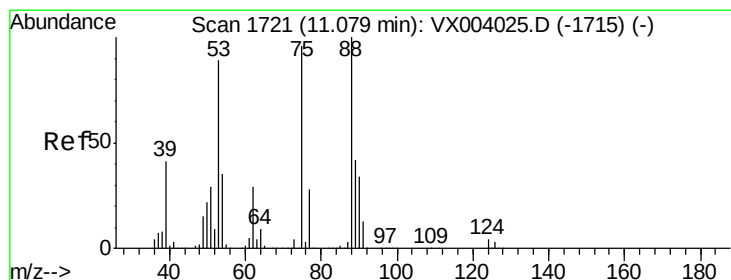
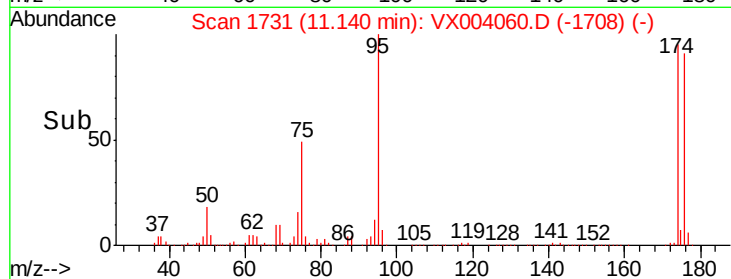
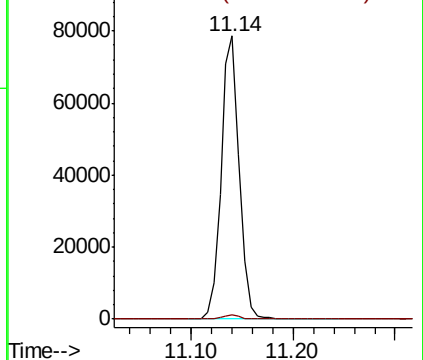
75 100

77 1.5 20.8 62.5#



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: 70.475 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

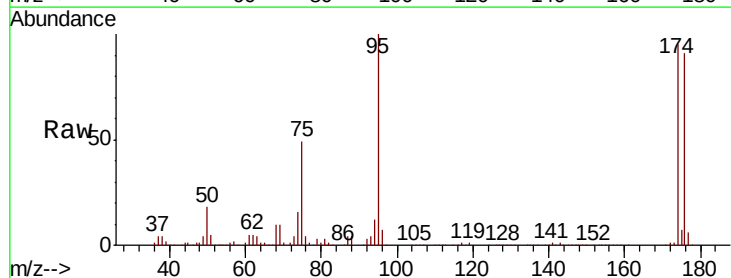
Tgt Ion: 75 Resp: 96625

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

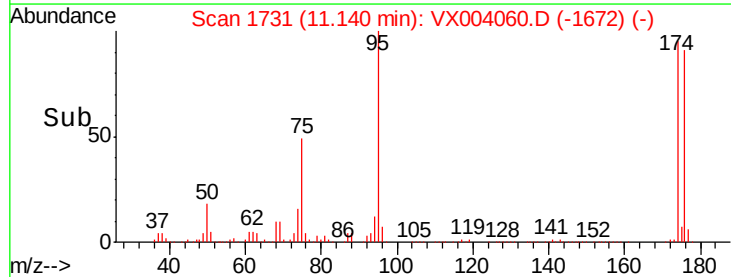
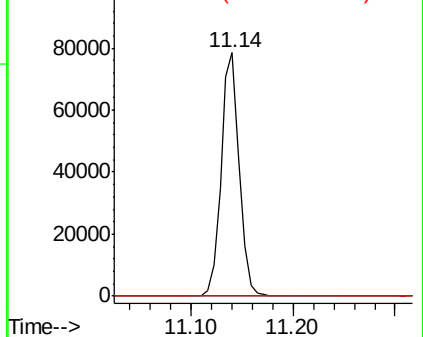
89 0.0 37.8 56.8#

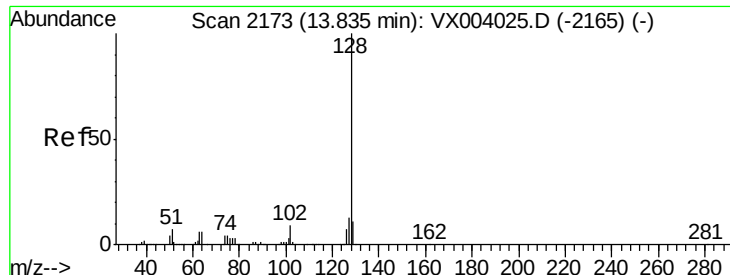


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

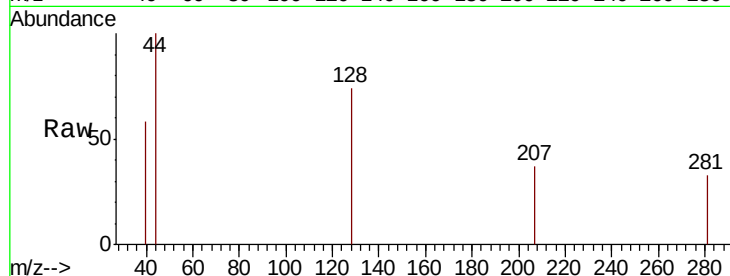




#95
Naphthalene
Concen: 1.166 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX004060.D
Acq: 15 Aug 2018 06:07

Instrument :
MSVOA_X
ClientSampleId :
DUP2-SRI3

Tgt Ion:128 Resp: 334
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

