

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003703.D
 Acq On : 27 Jul 2018 07:20
 Operator : JC/SP
 Sample : J4100-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC026-W-180719

Quant Time: Jul 27 08:52:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	80970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	136754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	135227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70831	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	64150	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	5.51	113	52991	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.72	98	218910	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.14	95	72126	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

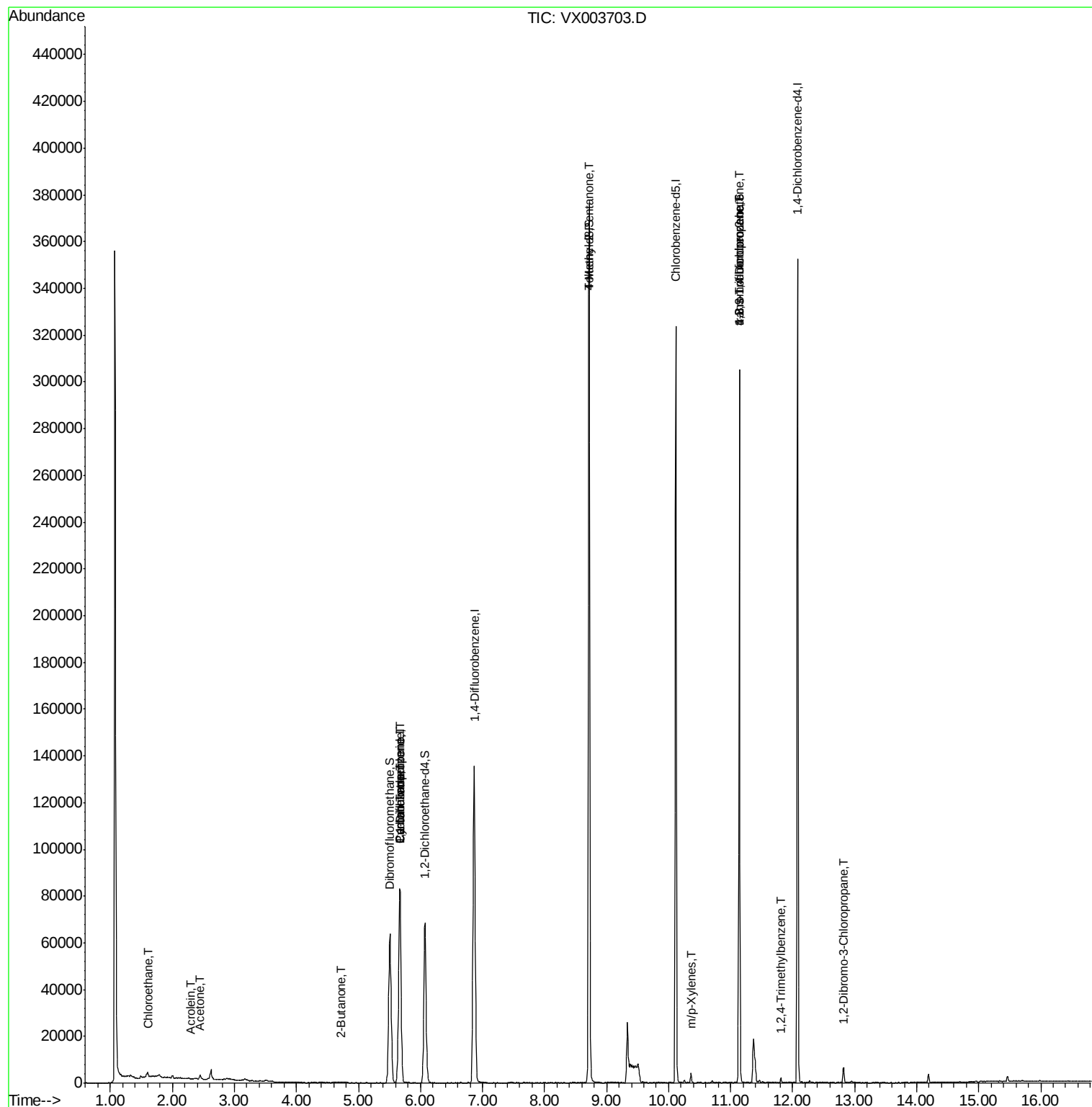
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	2923	4.84	ug/l #	57
13) Acrolein	2.30	56	38	4.29	ug/l #	15
16) Acetone	2.45	43	2040	3.62	ug/l	96
25) 2-Butanone	4.72	43	219	0.25	ug/l #	50
31) Cyclohexane	5.67	56	1739	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6025	3.77	ug/l #	48
38) Carbon Tetrachloride	5.67	117	8013	5.20	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	968	0.51	ug/l #	1
68) m/p-Xylenes	10.37	106	946	0.43	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	36677	24.69	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	36677	76.49	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	878	0.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.81	75	187	0.50	ug/l #	1

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

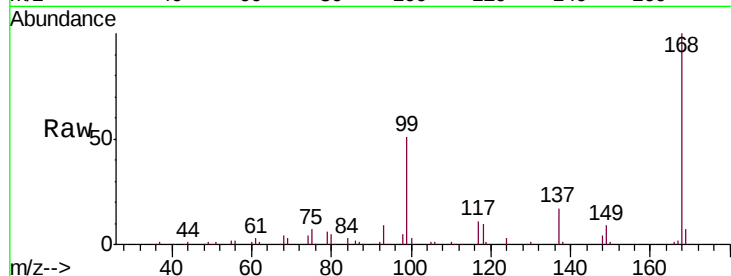
KY030LC026-W-180719

Tot Ion:168 Resp: 80970

Ion Ratio Lower Upper

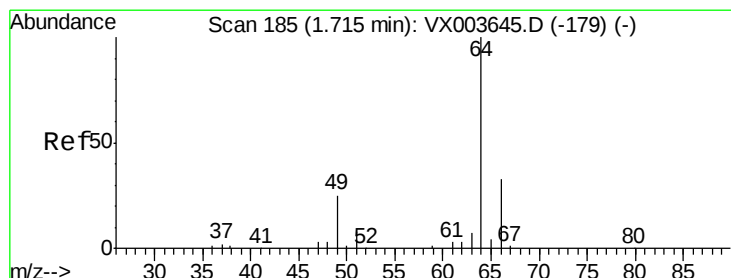
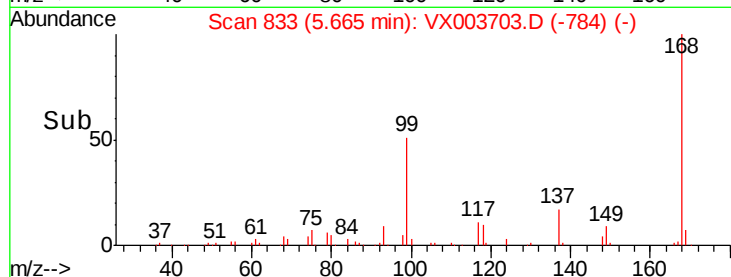
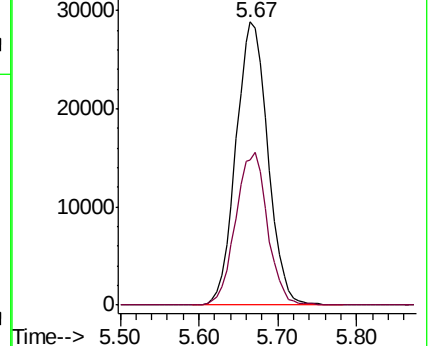
168 100

99 51.3 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 4.84 ug/l

RT: 1.61 min Scan# 168

Delta R.T. -0.10 min

Lab File: VX003703.D

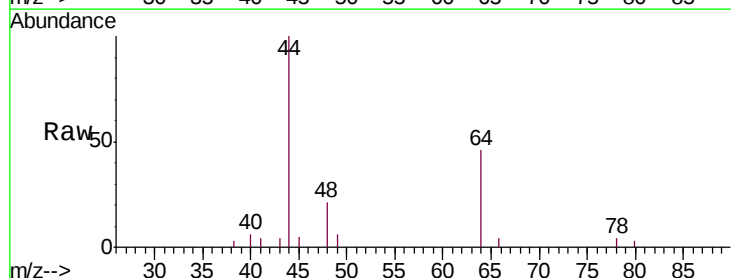
Acq: 27 Jul 2018 07:20

Tgt Ion: 64 Resp: 2923

Ion Ratio Lower Upper

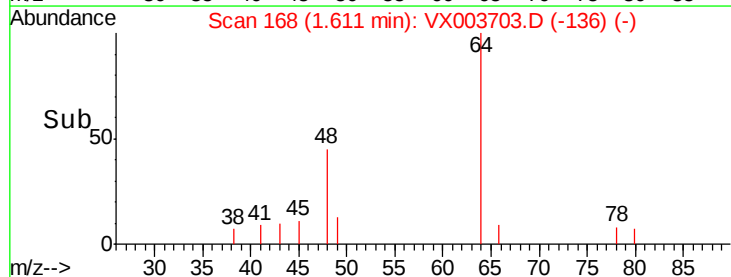
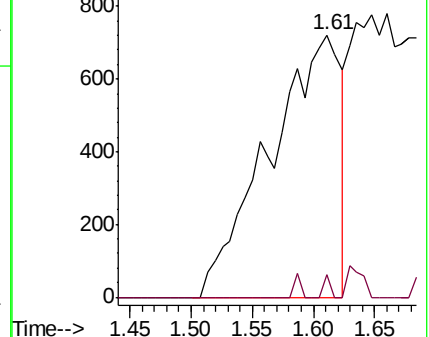
64 100

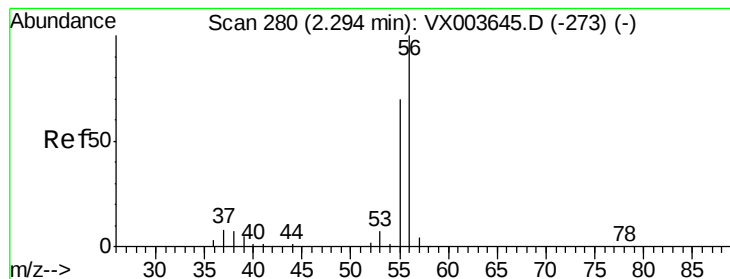
66 8.6 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 4.29 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

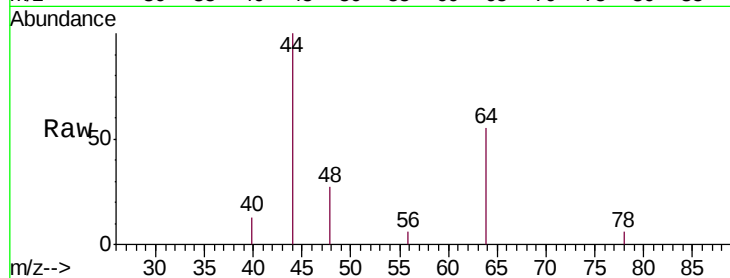
KY030LC026-W-180719

Tot Ion: 56 Resp: 38

Ion Ratio Lower Upper

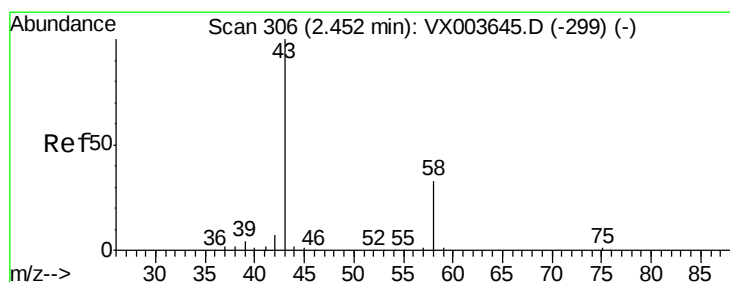
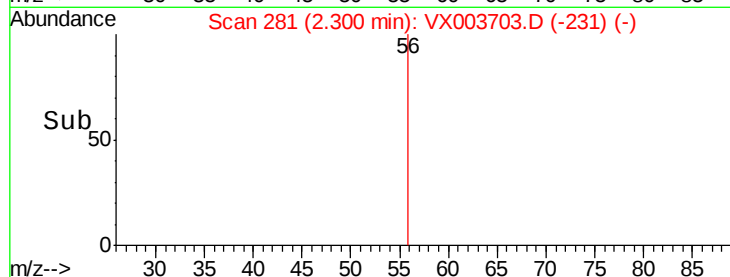
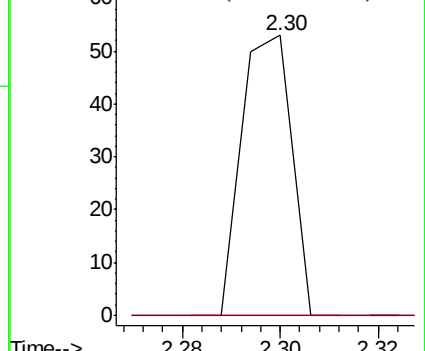
56 100

55 0.0 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003703.D

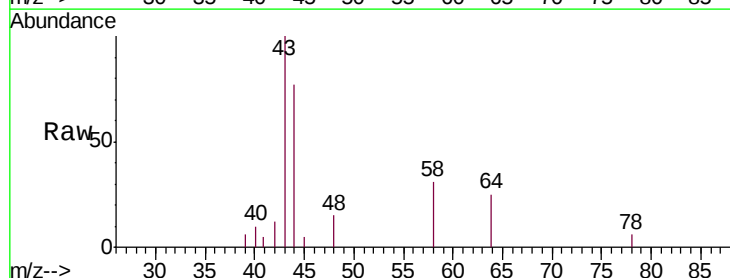
Acq: 27 Jul 2018 07:20

Tgt Ion: 43 Resp: 2040

Ion Ratio Lower Upper

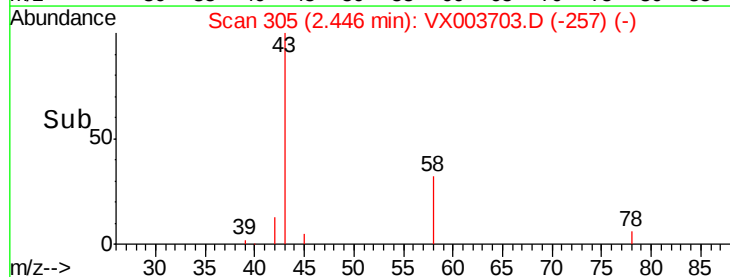
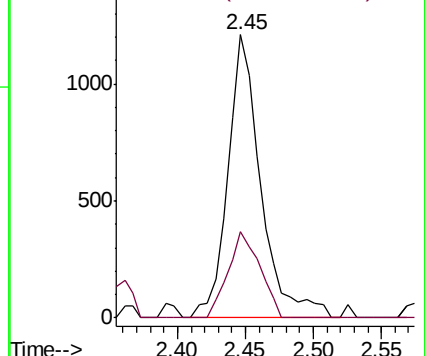
43 100

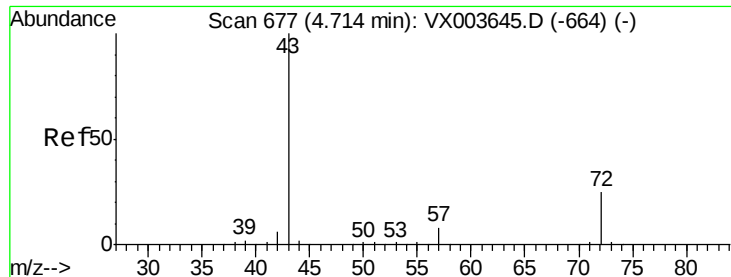
58 30.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.25 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

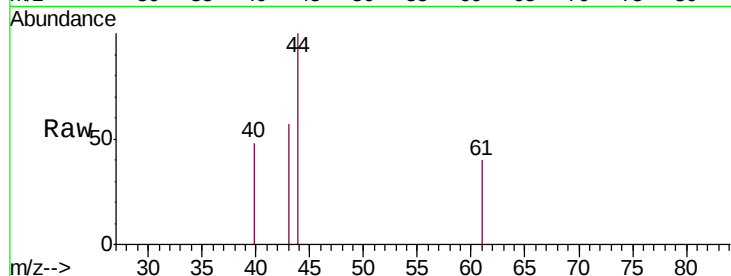
KY030LC026-W-180719

Tot Ion: 43 Resp: 219

Ion Ratio Lower Upper

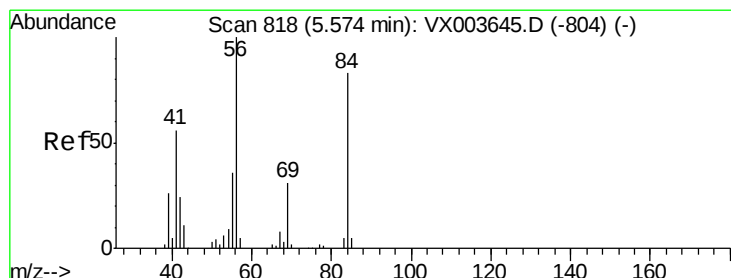
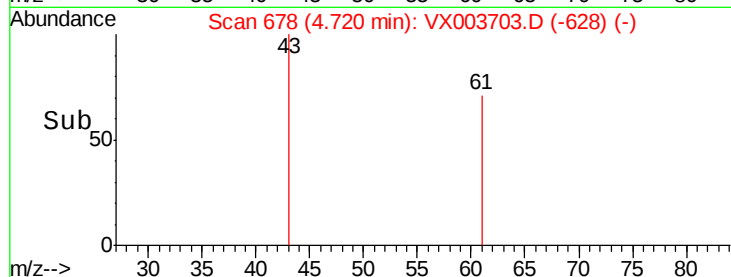
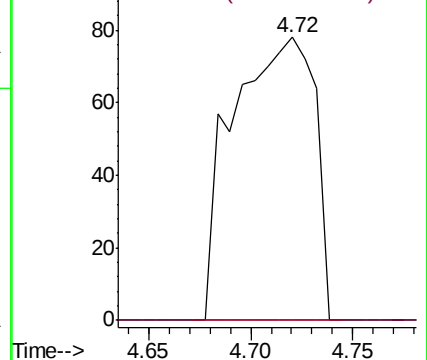
43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

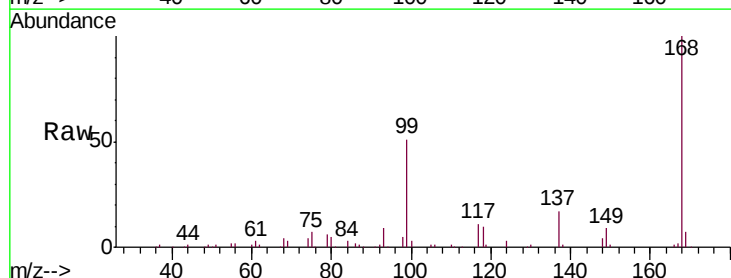
Tgt Ion: 56 Resp: 1739

Ion Ratio Lower Upper

56 100

69 179.1 25.0 37.6#

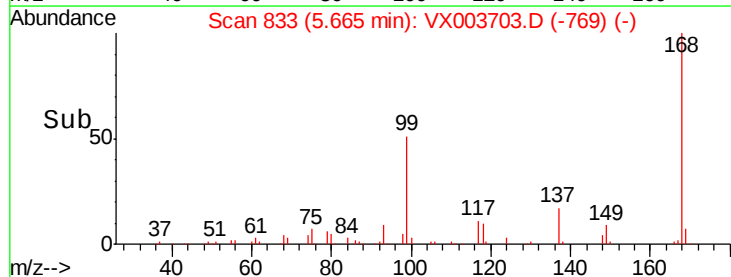
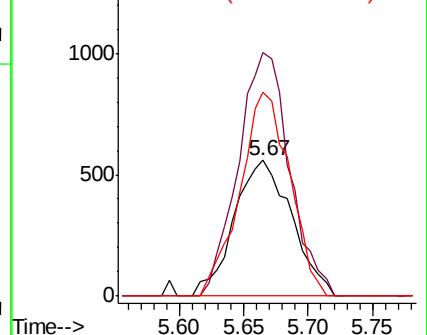
84 149.6 66.5 99.7#

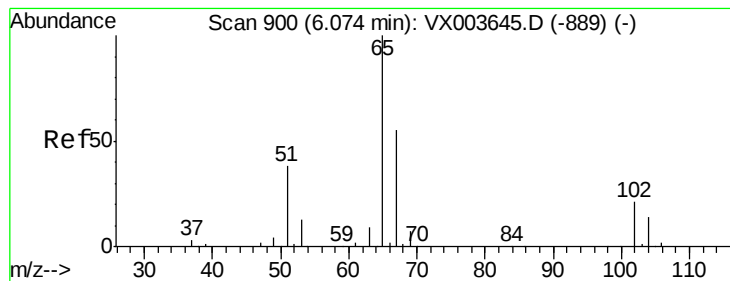


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.49 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

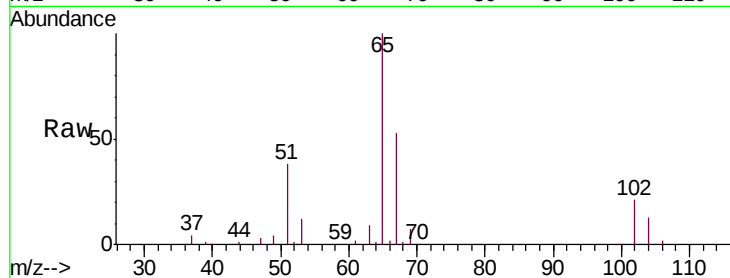
KY030LC026-W-180719

Tot Ion: 65 Resp: 64150

Ion Ratio Lower Upper

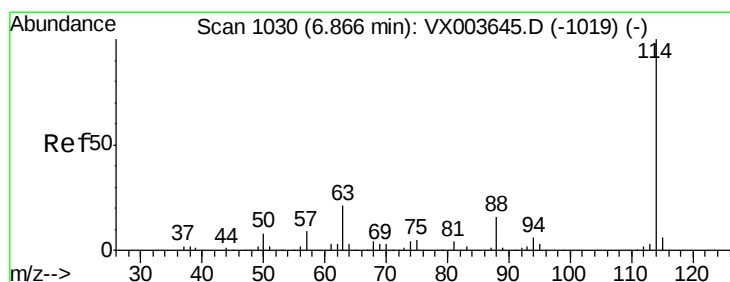
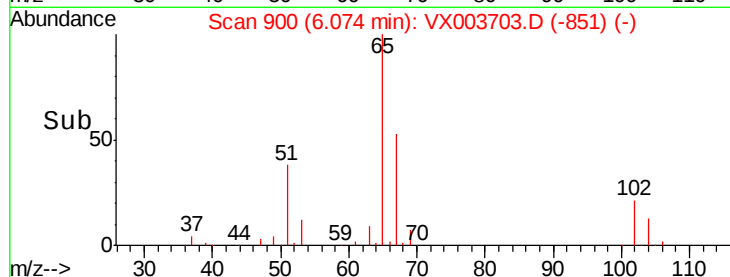
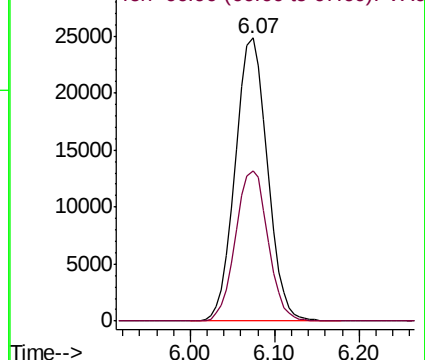
65 100

67 53.6 0.0 107.8



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: VX003703.D

Acq: 27 Jul 2018 07:20

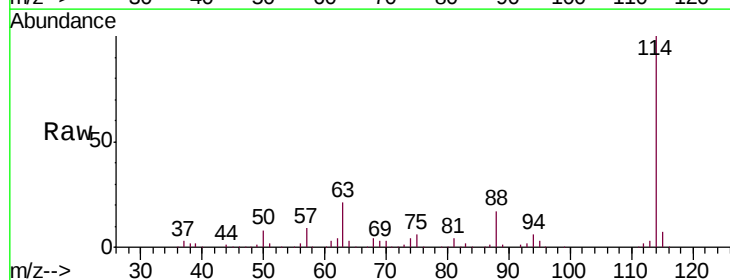
Tgt Ion: 114 Resp: 136754

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

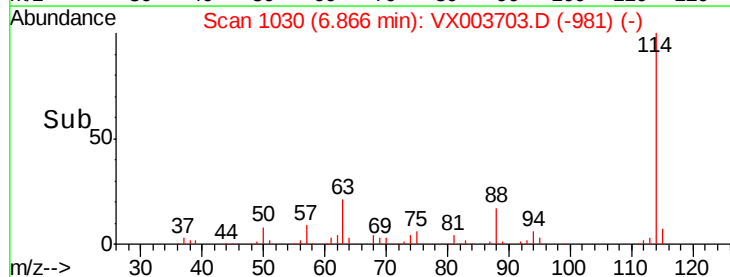
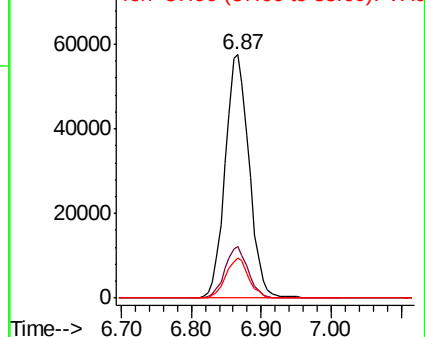
88 16.7 0.0 31.8

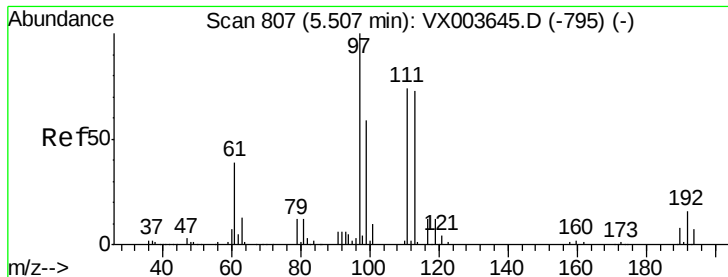


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

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ClientSampleId :

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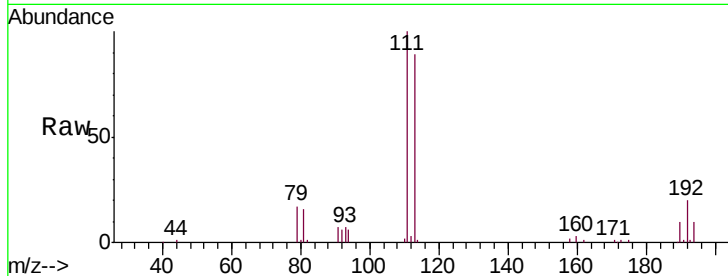
Tot Ion:113 Resp: 52991

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

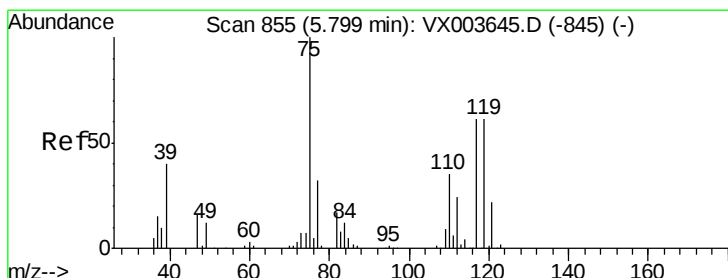
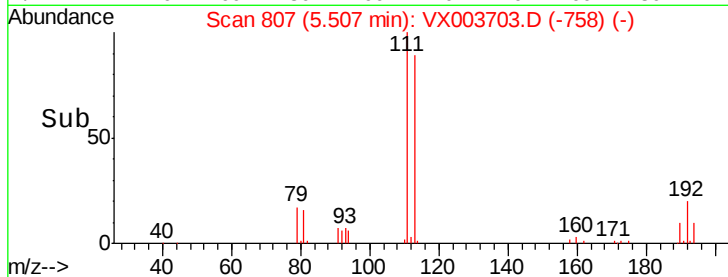
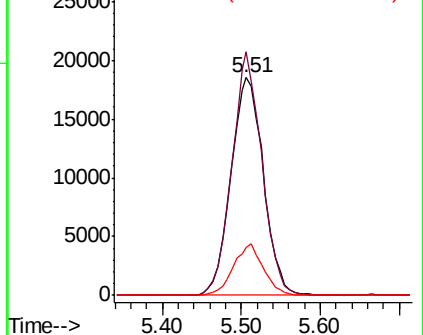
192 21.6 18.2 27.4



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: 3.77 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

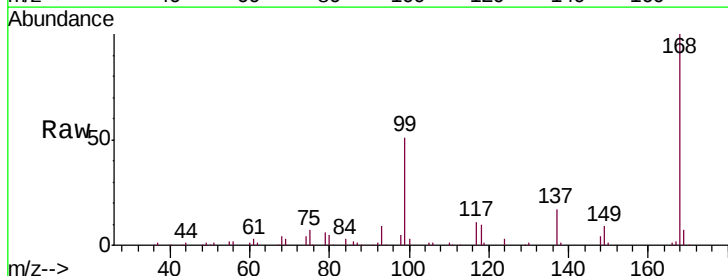
Tgt Ion: 75 Resp: 6025

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.1#

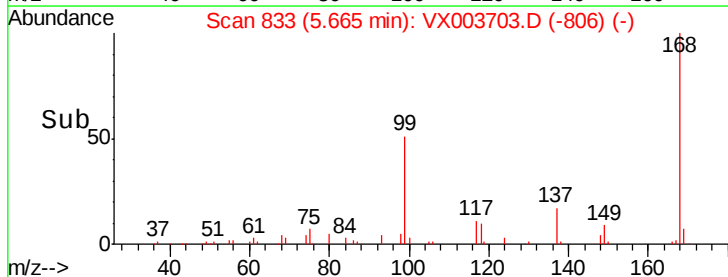
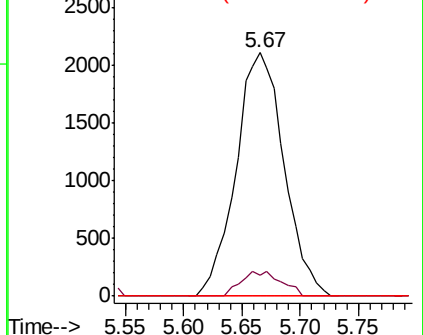
77 0.0 25.1 37.7#

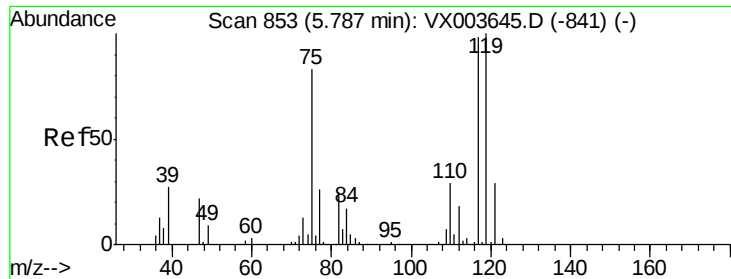


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.20 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

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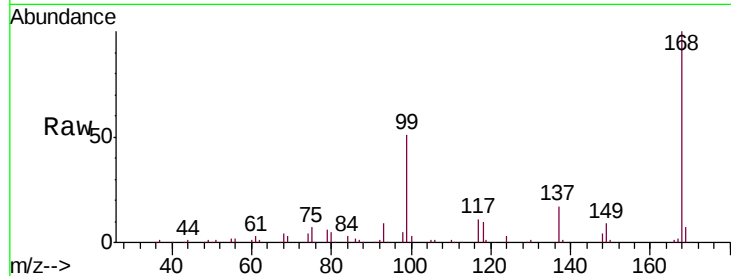
Tot Ion:117 Resp: 8013

Ion Ratio Lower Upper

117 100

119 5.0 81.0 121.4#

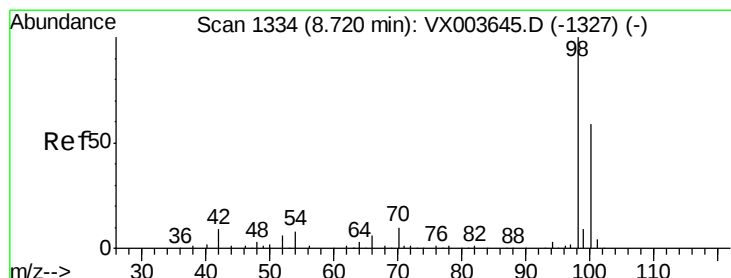
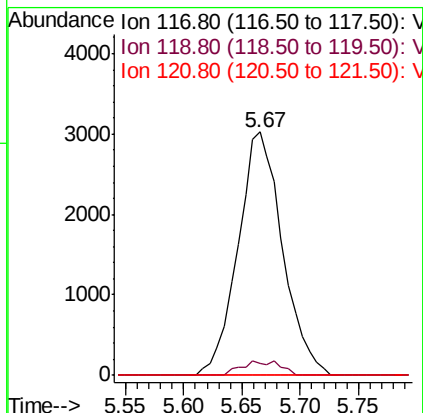
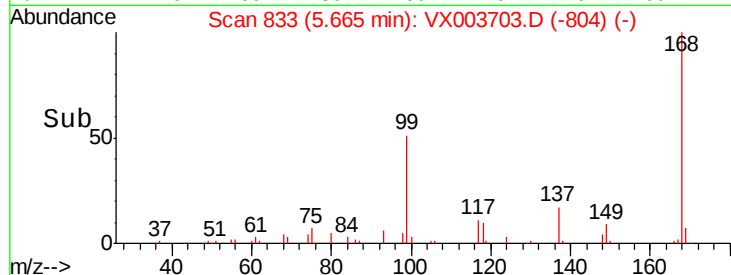
121 0.0 23.7 35.5#



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: 51.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003703.D

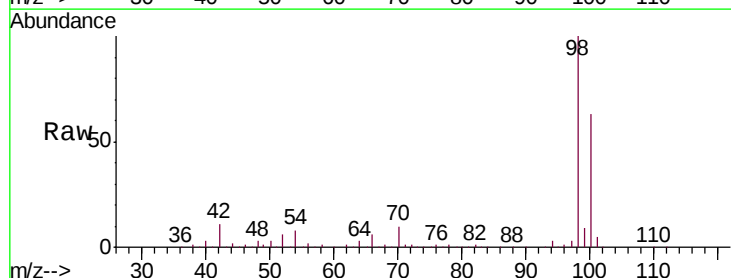
Acq: 27 Jul 2018 07:20

Tgt Ion: 98 Resp: 218910

Ion Ratio Lower Upper

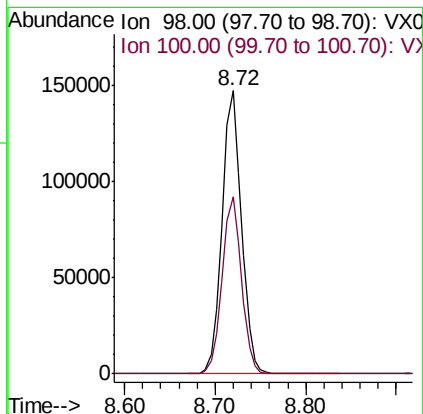
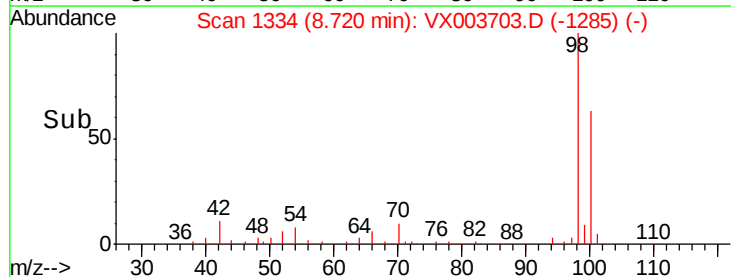
98 100

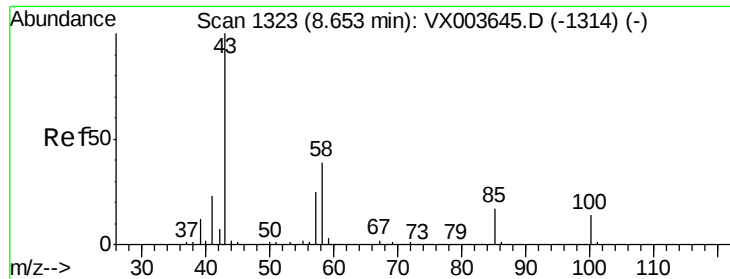
100 62.7 50.9 76.3



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: 0.51 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

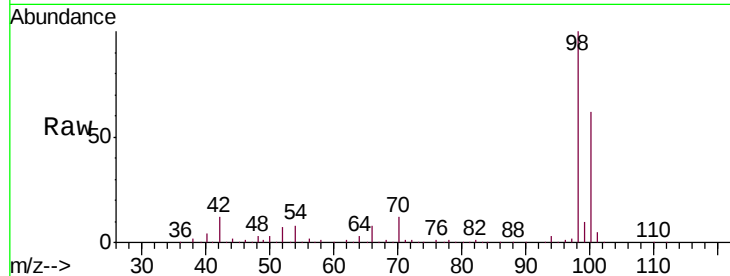
KY030LC026-W-180719

Tot Ion: 43 Resp: 968

Ion Ratio Lower Upper

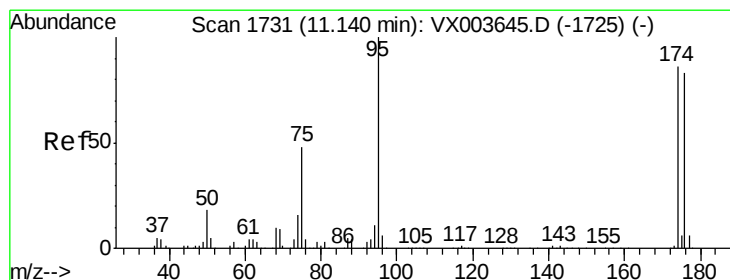
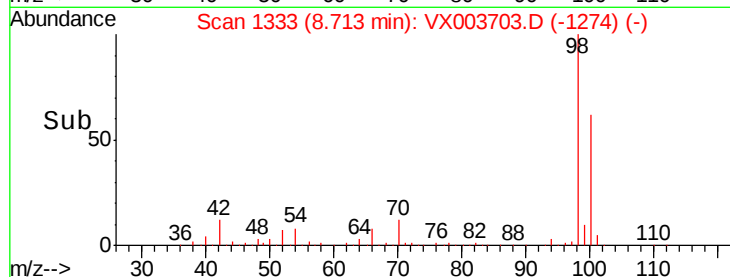
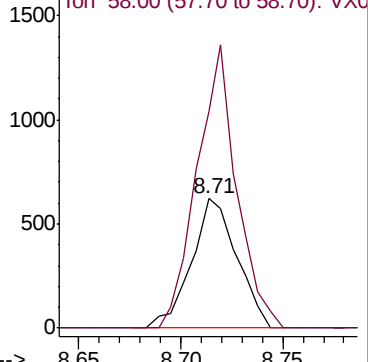
43 100

58 189.9 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

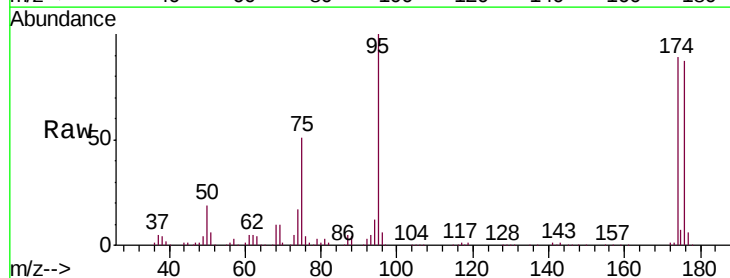
Tgt Ion: 95 Resp: 72126

Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.0

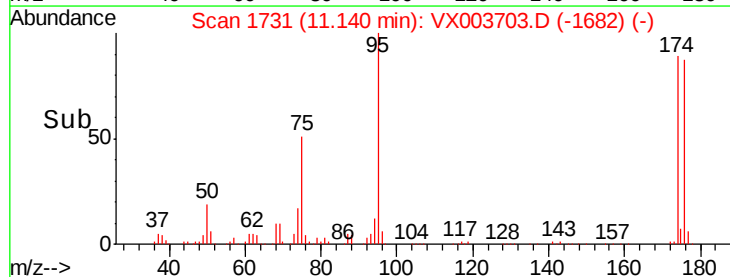
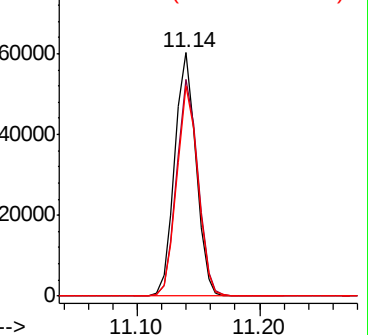
176 86.0 0.0 173.0

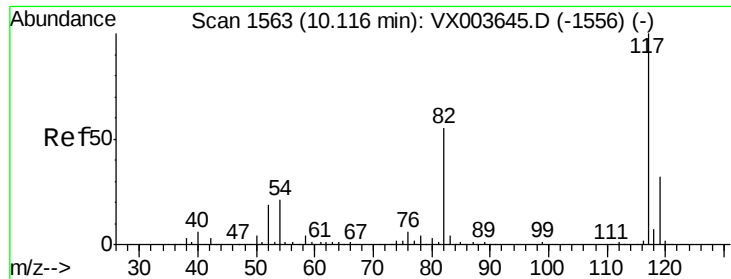


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

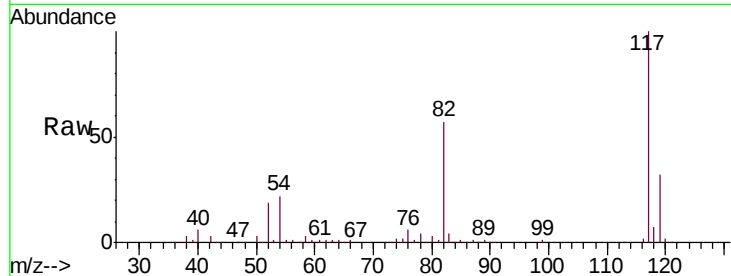




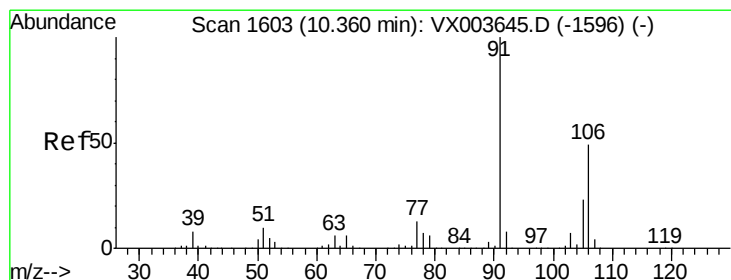
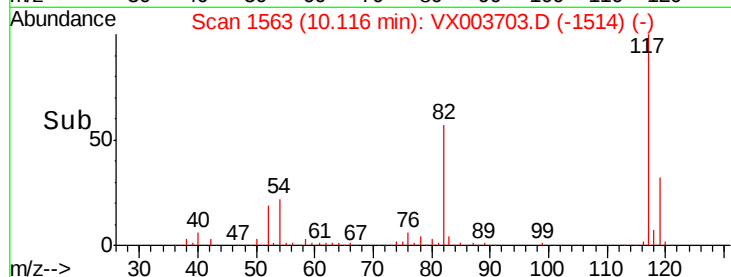
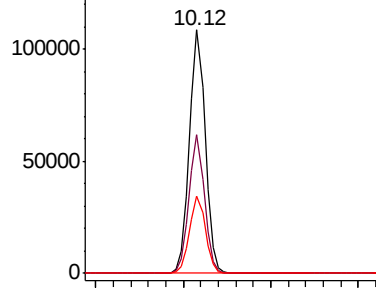
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003703.D
Acq: 27 Jul 2018 07:20

Instrument :
MSVOA_X
ClientSampleId :
KY030LC026-W-180719

Tot Ion:117 Resp: 135227
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 31.8 25.6 38.4

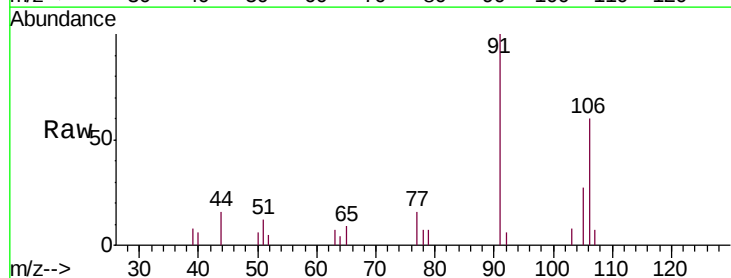


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

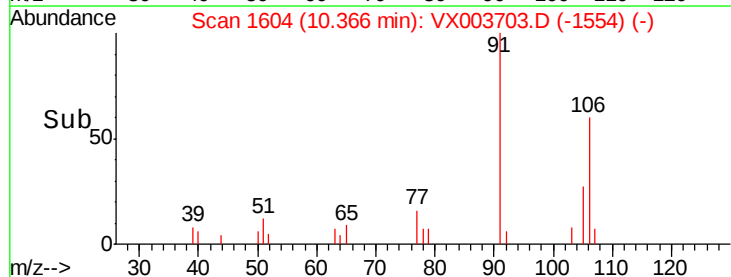
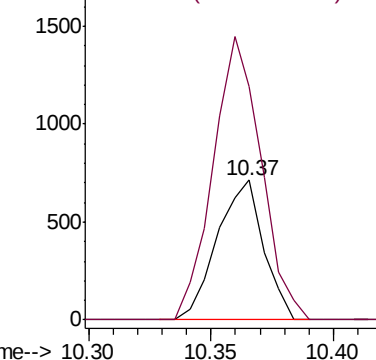


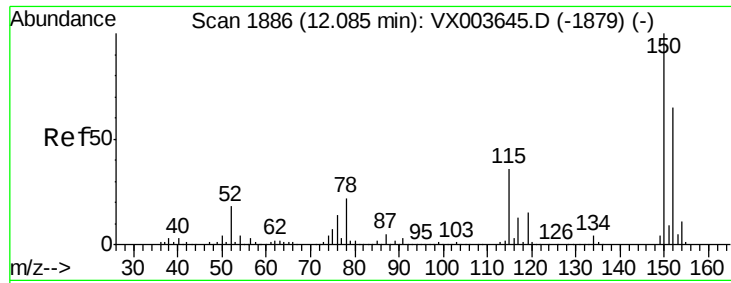
#68
m/p-Xylenes
Concen: 0.43 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003703.D
Acq: 27 Jul 2018 07:20

Tgt Ion:106 Resp: 946
Ion Ratio Lower Upper
106 100
91 209.0 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

KY030LC026-W-180719

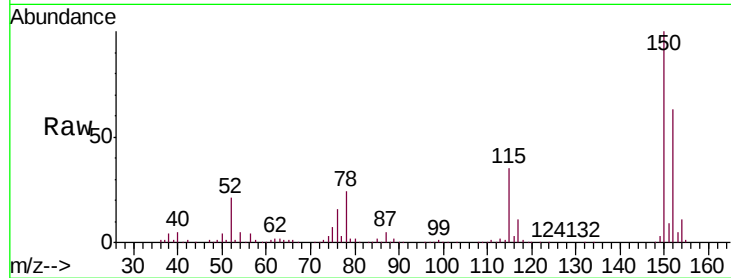
Tot Ion:152 Resp: 70831

Ion Ratio Lower Upper

152 100

115 55.2 40.0 119.9

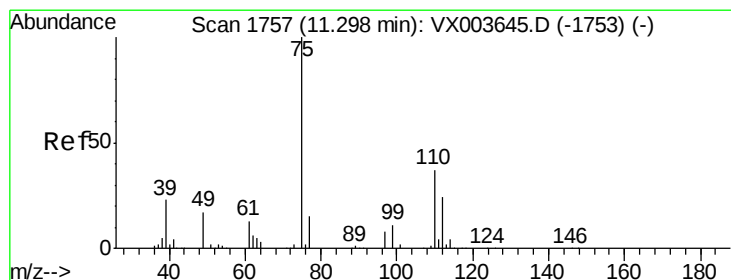
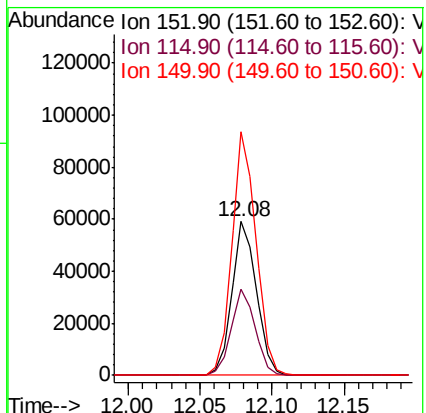
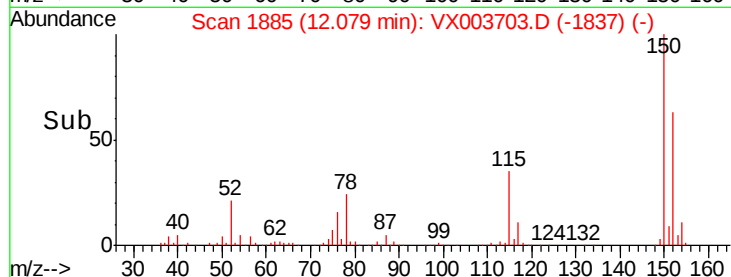
150 156.1 0.0 348.4



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: 24.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003703.D

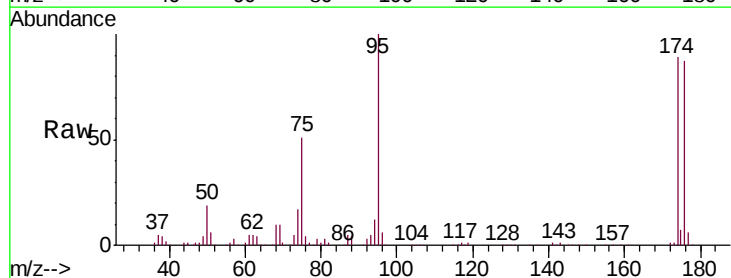
Acq: 27 Jul 2018 07:20

Tgt Ion: 75 Resp: 36677

Ion Ratio Lower Upper

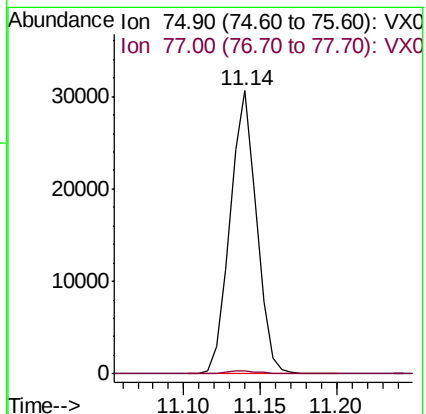
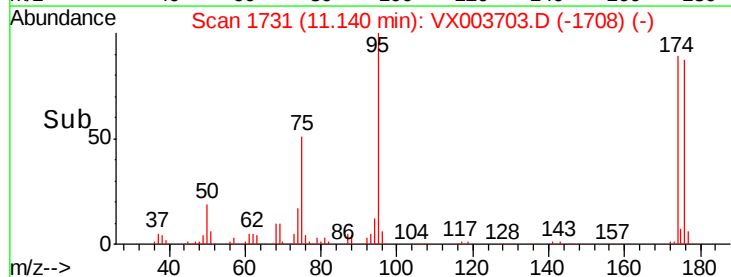
75 100

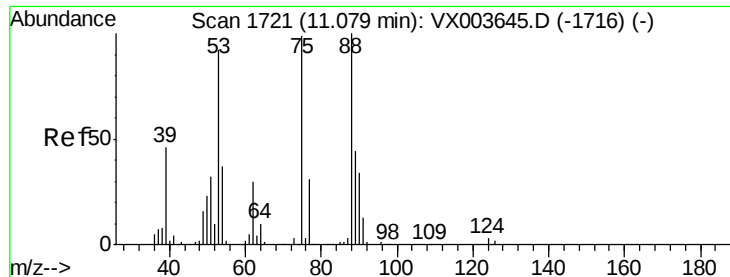
77 1.3 21.6 64.6#



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: 76.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

KY030LC026-W-180719

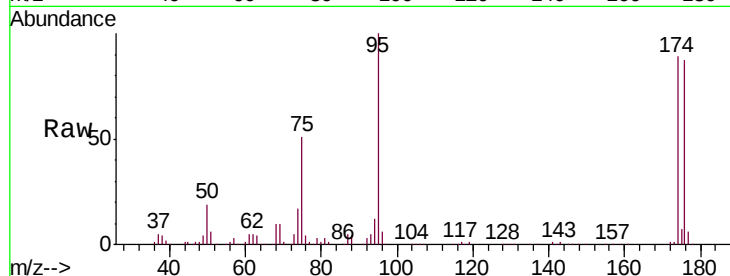
Tot Ion: 75 Resp: 36677

Ion Ratio Lower Upper

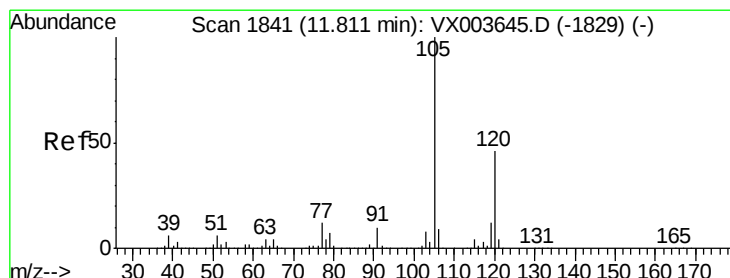
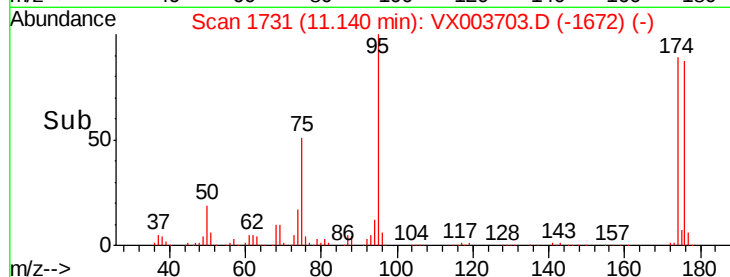
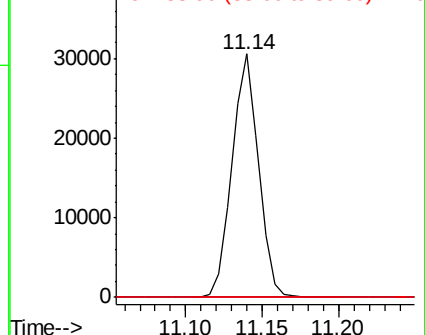
75 100

53 0.1 77.8 116.8#

89 0.0 36.6 54.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003703.D

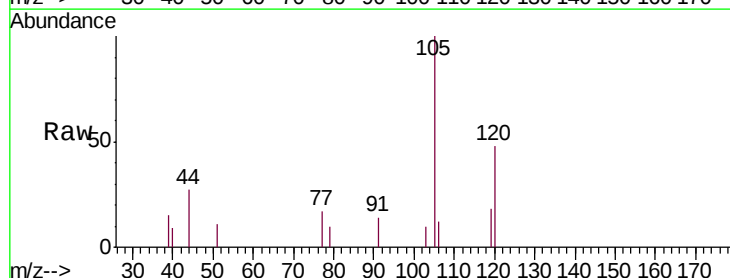
Acq: 27 Jul 2018 07:20

Tgt Ion: 105 Resp: 878

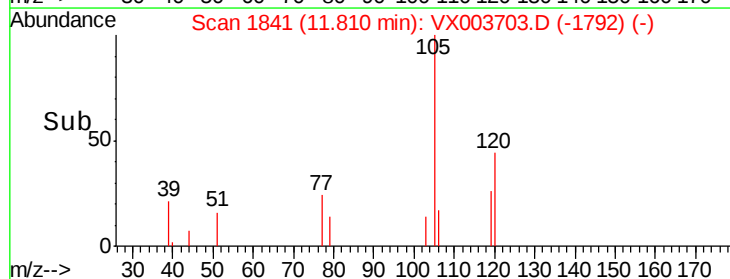
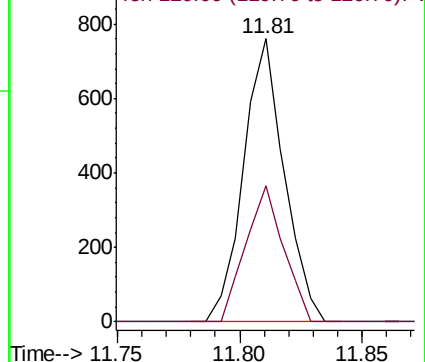
Ion Ratio Lower Upper

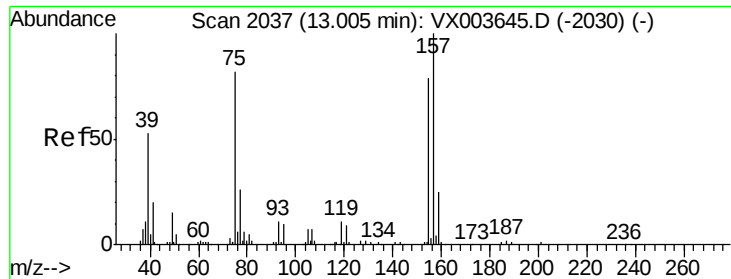
105 100

120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.50 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.20 min

Lab File: VX003703.D

Acq: 27 Jul 2018 07:20

Instrument :

MSVOA_X

ClientSampleId :

KY030LC026-W-180719

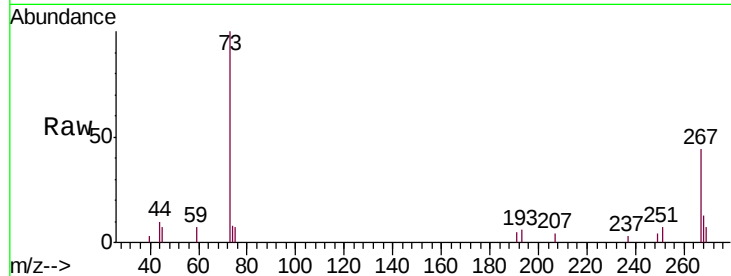
Tot Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

