

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003701.D
 Acq On : 27 Jul 2018 06:27
 Operator : JC/SP
 Sample : J4100-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LA119SW005-W-180719

Quant Time: Jul 27 07:31:27 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	84573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	136194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	145759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76621	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	67174	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
35) Dibromofluoromethane	5.51	113	54311	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.72	98	266337	62.68	ug/l	0.00
Spiked Amount			Recovery	=	125.36%	
62) 4-Bromofluorobenzene	11.14	95	80741	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

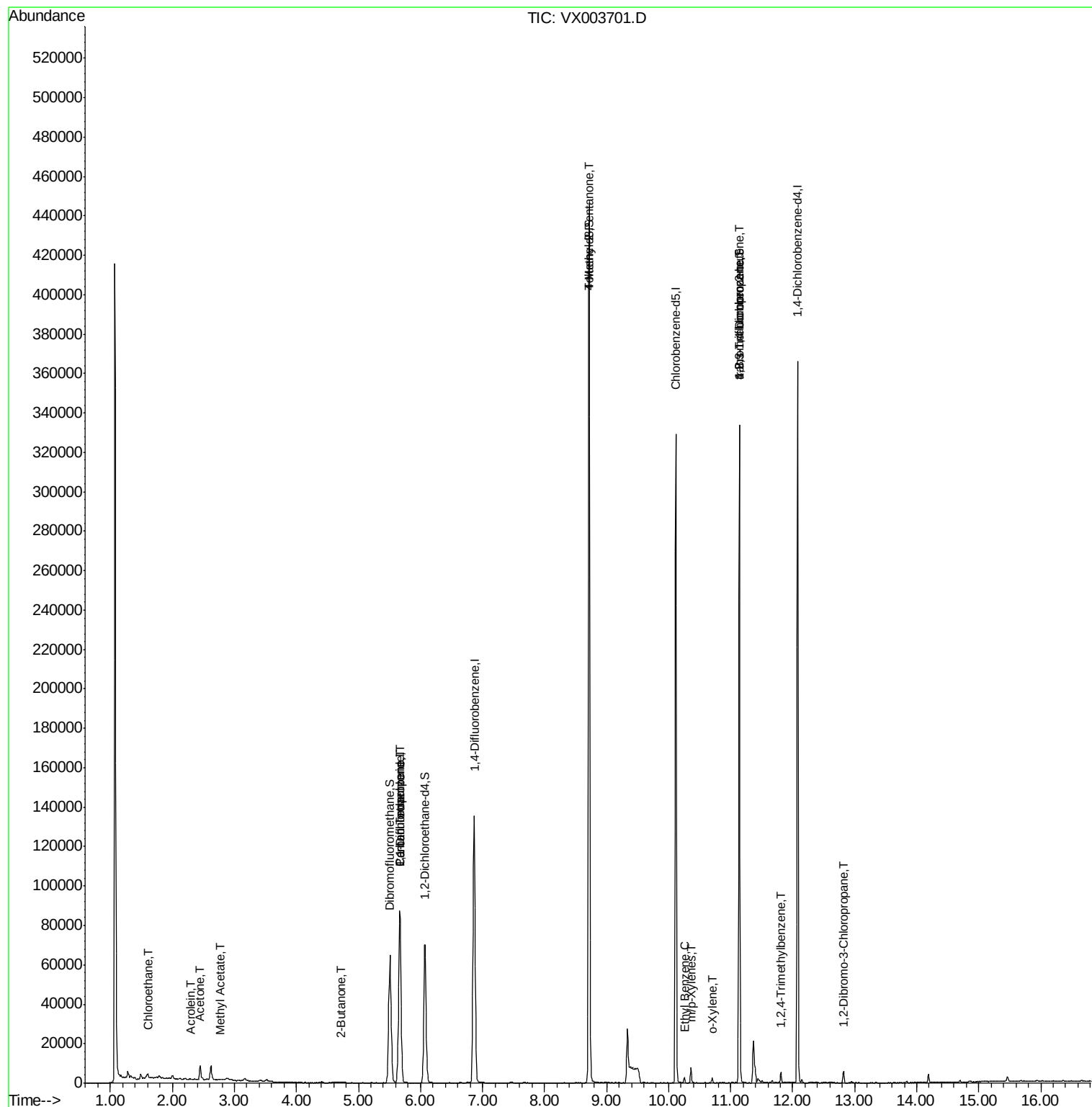
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	2809	4.61	ug/l #	53
13) Acrolein	2.29	56	38	4.28	ug/l #	33
16) Acetone	2.45	43	7332	12.46	ug/l	97
18) Methyl Acetate	2.78	43	363	0.20	ug/l #	53
25) 2-Butanone	4.71	43	291	0.32	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	6234	3.92	ug/l #	49
38) Carbon Tetrachloride	5.67	117	7997	5.21	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	1132	0.60	ug/l #	1
67) Ethyl Benzene	10.26	91	1673	0.27	ug/l	91
68) m/p-Xylenes	10.36	106	1861	0.79	ug/l	100
69) o-Xylene	10.70	106	569	0.25	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	40527	25.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	40527	78.13	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	2345	0.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.82	75	150	0.37	ug/l #	1

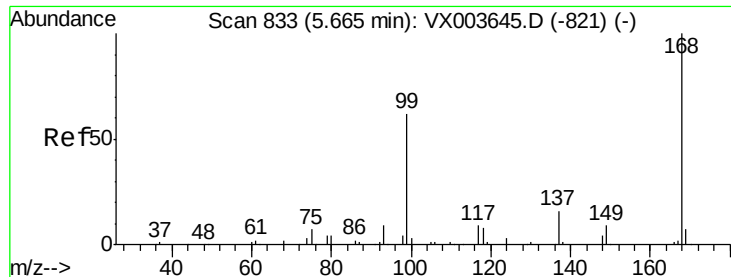
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

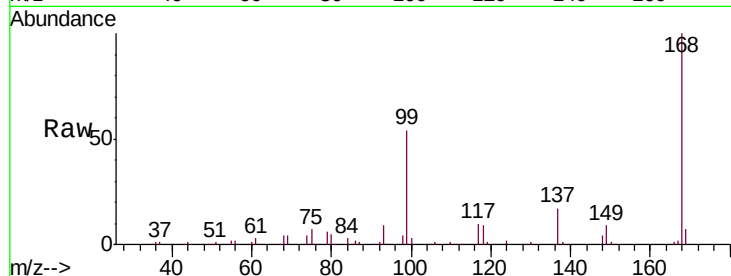
LA119SW005-W-180719

Tot Ion:168 Resp: 84573

Ion Ratio Lower Upper

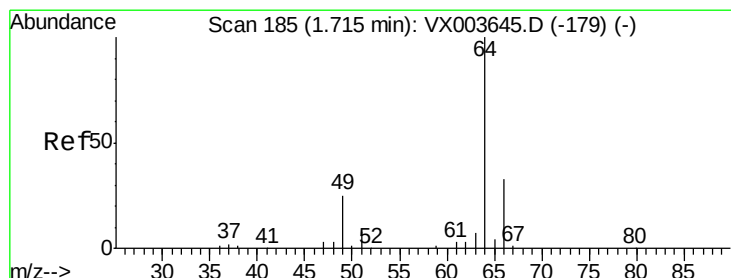
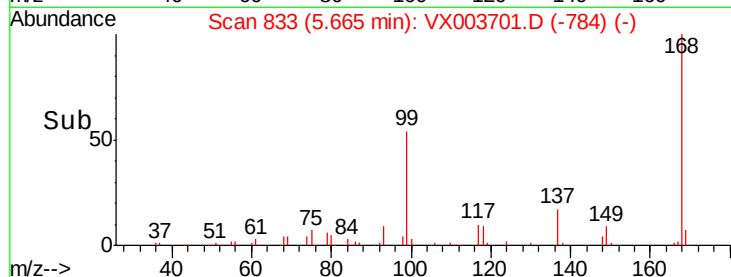
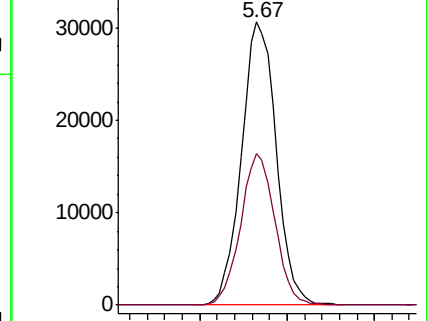
168 100

99 53.7 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: 4.61 ug/l

RT: 1.61 min Scan# 168

Delta R.T. -0.10 min

Lab File: VX003701.D

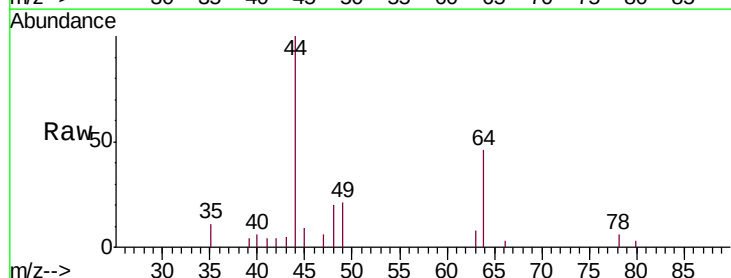
Acq: 27 Jul 2018 06:27

Tgt Ion: 64 Resp: 2809

Ion Ratio Lower Upper

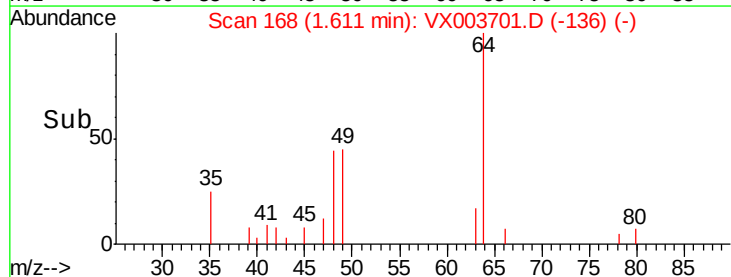
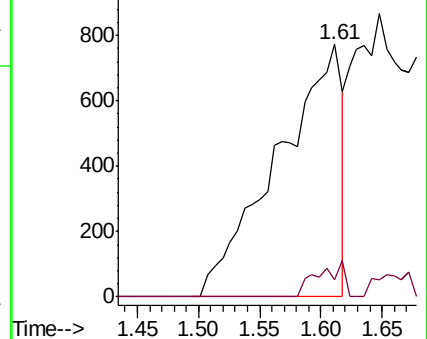
64 100

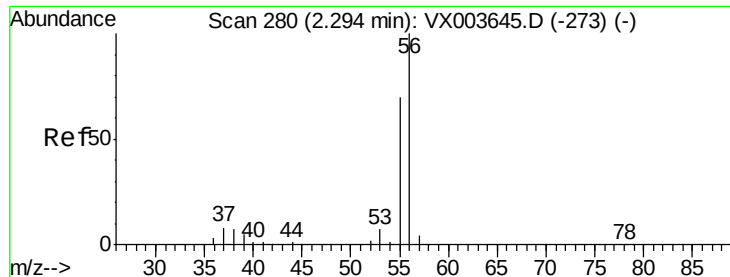
66 6.6 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 4.28 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

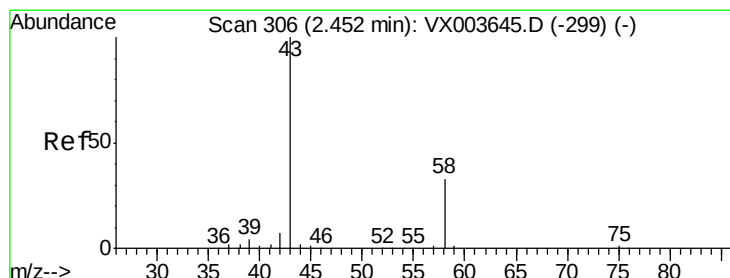
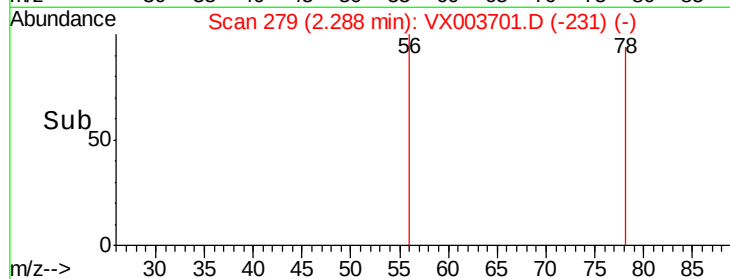
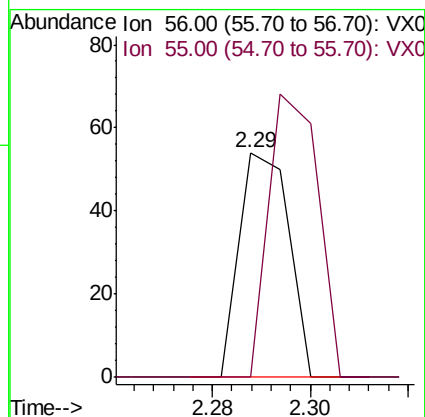
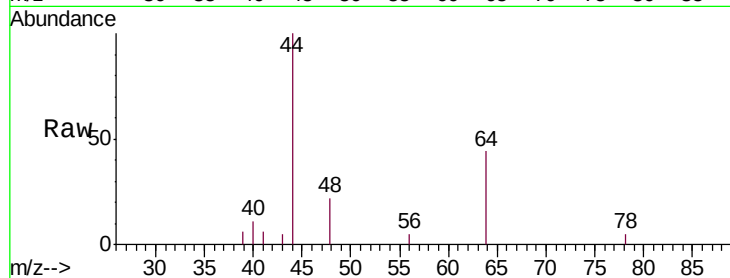
LA119SW005-W-180719

Tot Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 123.7 55.4 83.2#



#16

Acetone

Concen: 12.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003701.D

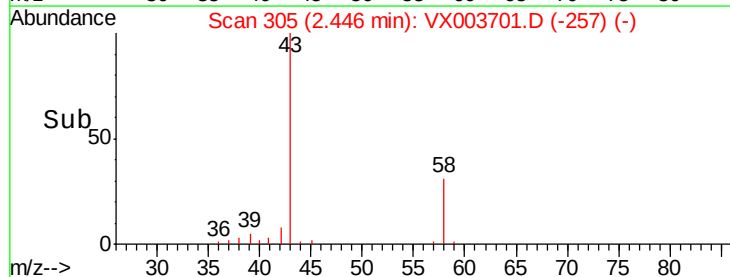
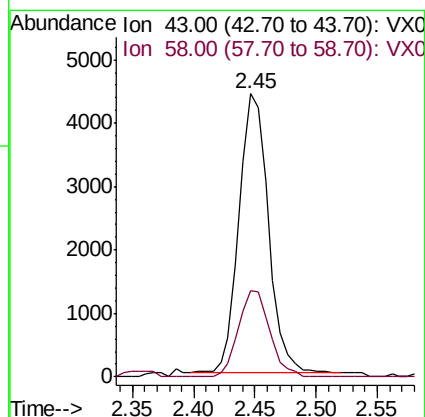
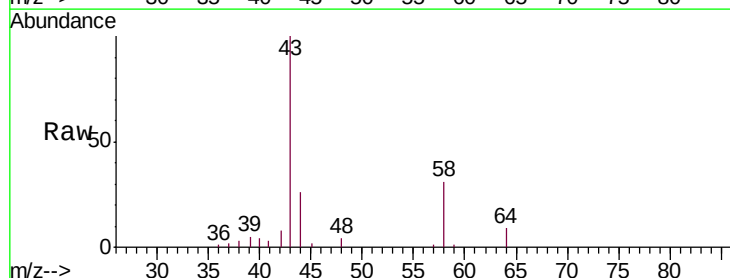
Acq: 27 Jul 2018 06:27

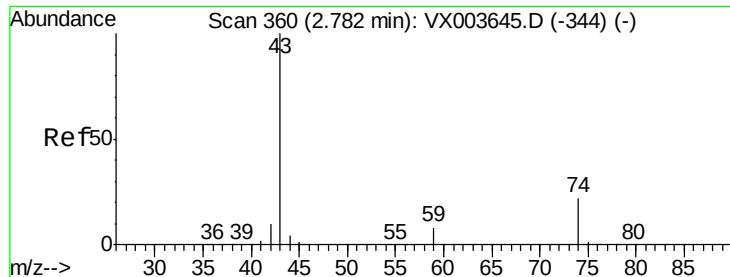
Tgt Ion: 43 Resp: 7332

Ion Ratio Lower Upper

43 100

58 31.0 26.1 39.1

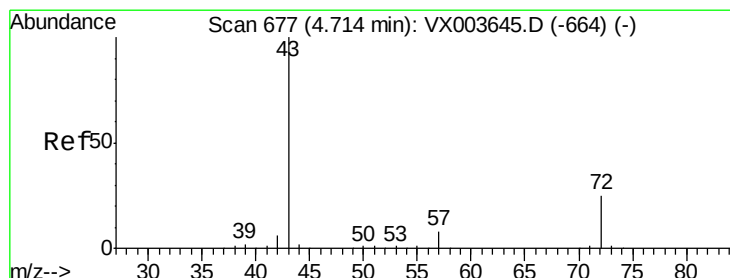
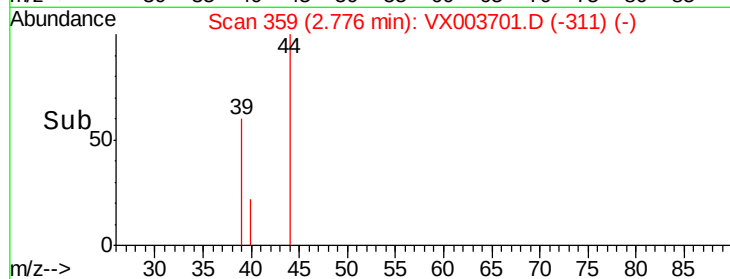
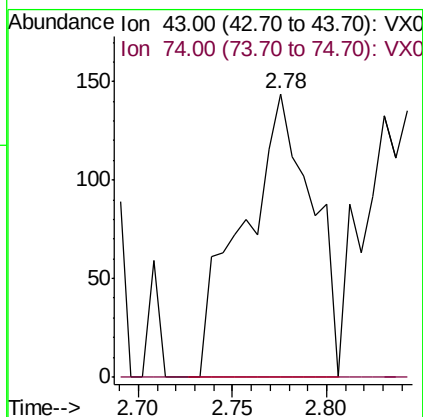
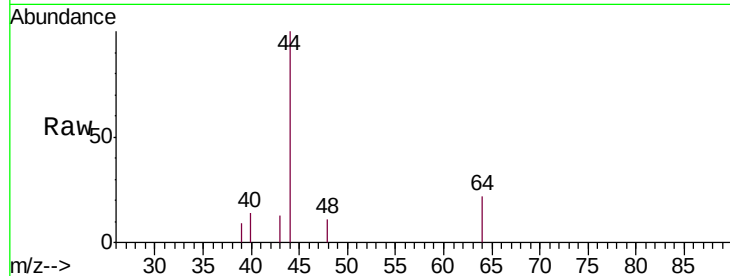




#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003701.D
Acq: 27 Jul 2018 06:27

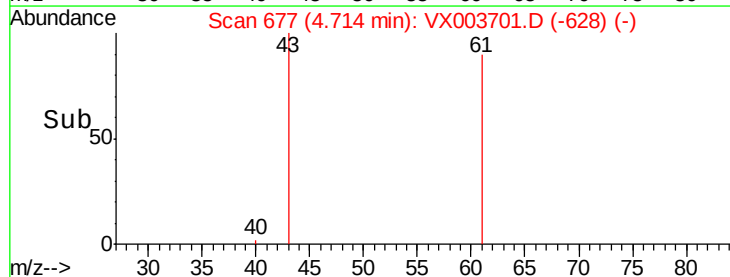
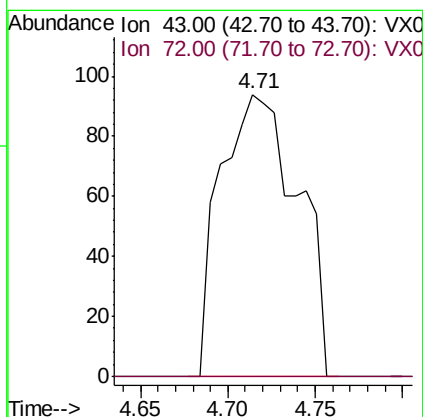
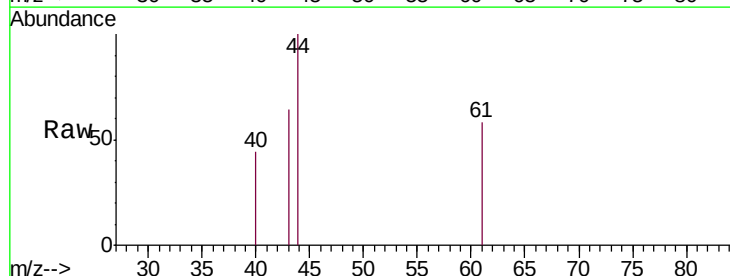
Instrument :
MSVOA_X
ClientSampleId :
LA119SW005-W-180719

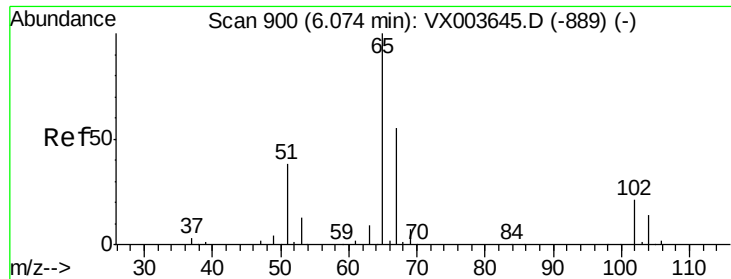
Tot Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#25
2-Butanone
Concen: 0.32 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX003701.D
Acq: 27 Jul 2018 06:27

Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#

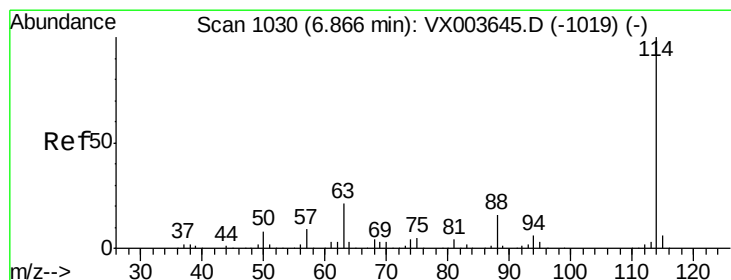
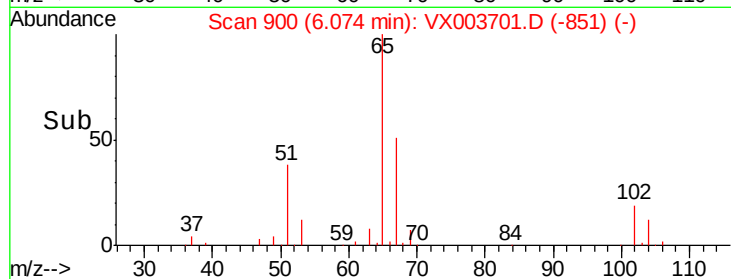
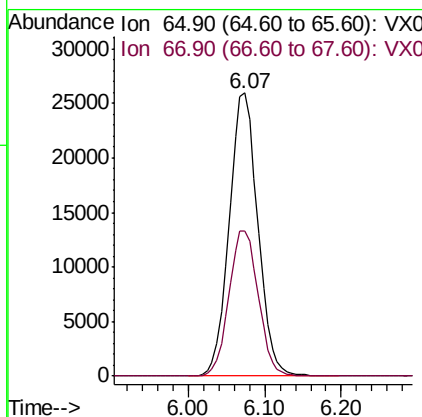
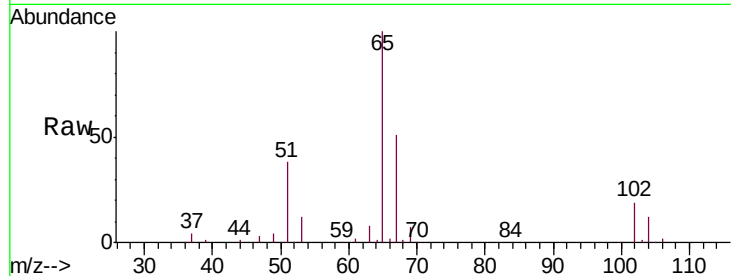




#33
 1,2-Dichloroethane-d4
 Concen: 53.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003701.D
 Acq: 27 Jul 2018 06:27

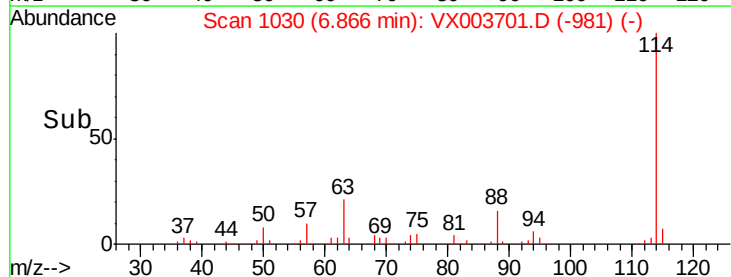
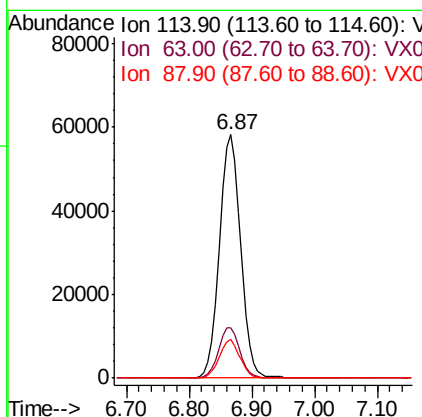
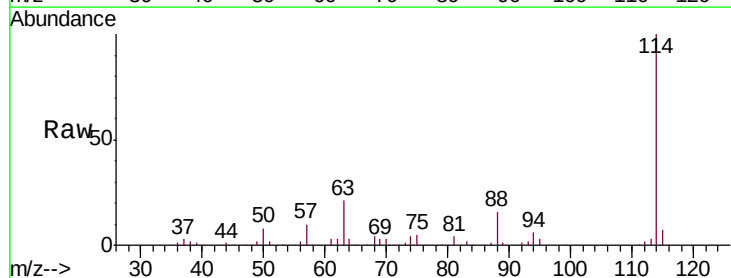
Instrument :
 MSVOA_X
 ClientSampleId :
 LA119SW005-W-180719

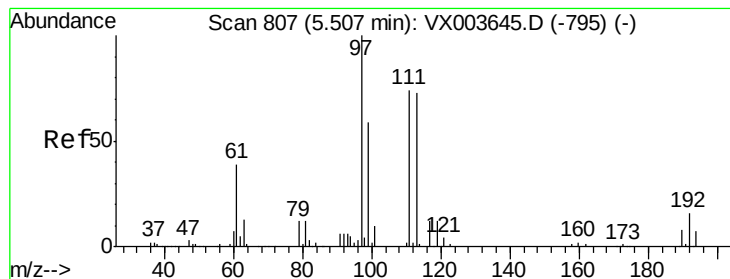
Tot Ion: 65 Resp: 67174
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003701.D
 Acq: 27 Jul 2018 06:27

Tgt Ion: 114 Resp: 136194
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.0
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.78 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

LA119SW005-W-180719

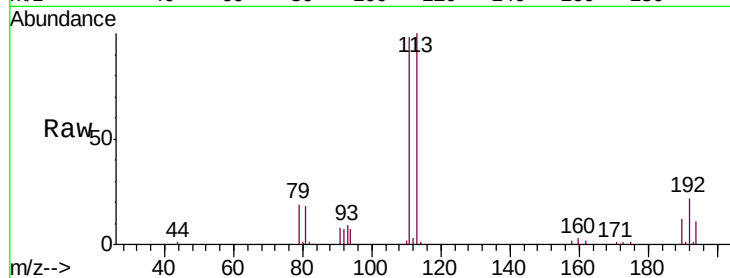
Tot Ion:113 Resp: 54311

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

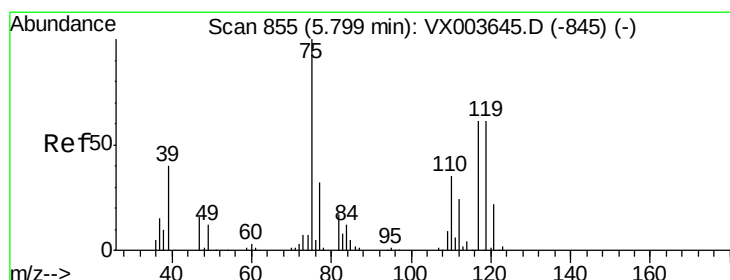
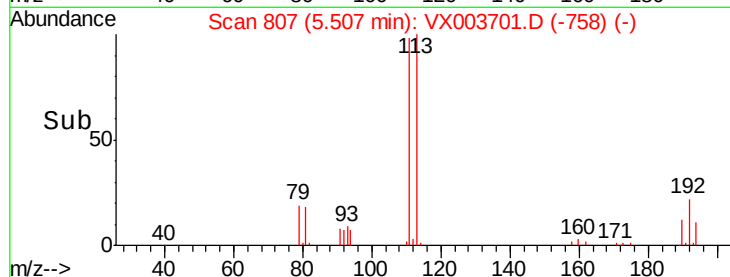
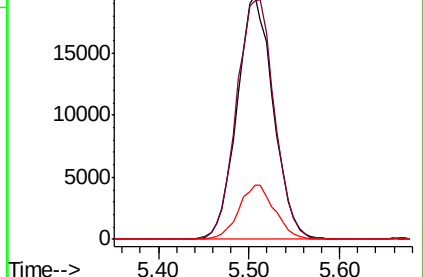
192 21.9 18.2 27.4



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: 3.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

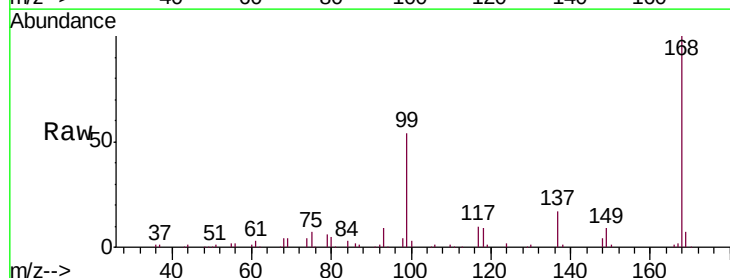
Tgt Ion: 75 Resp: 6234

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

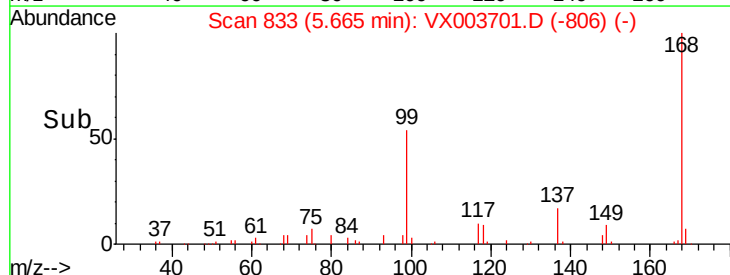
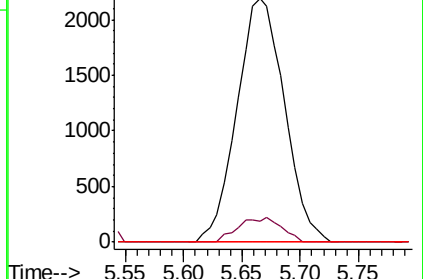
77 0.0 25.1 37.7#

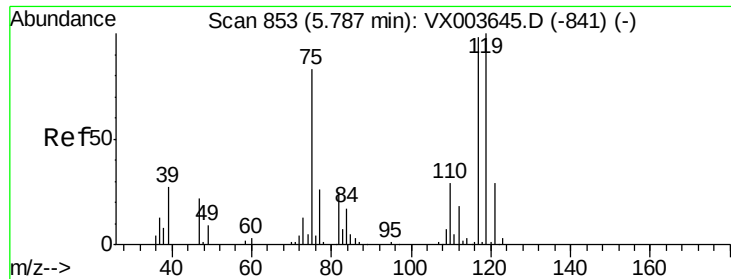


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.21 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

LA119SW005-W-180719

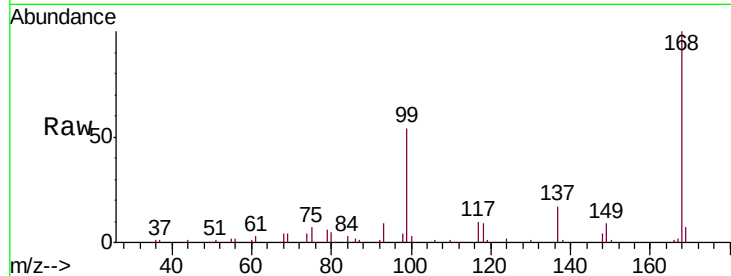
Tot Ion:117 Resp: 7997

Ion Ratio Lower Upper

117 100

119 5.5 81.0 121.4#

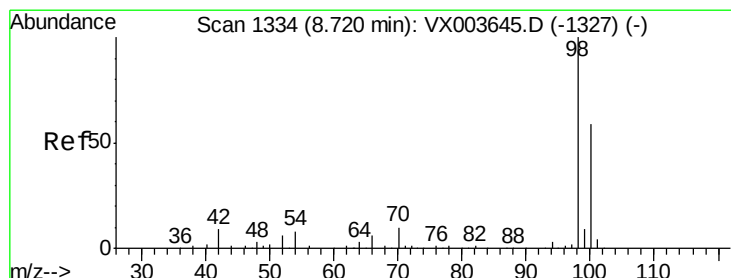
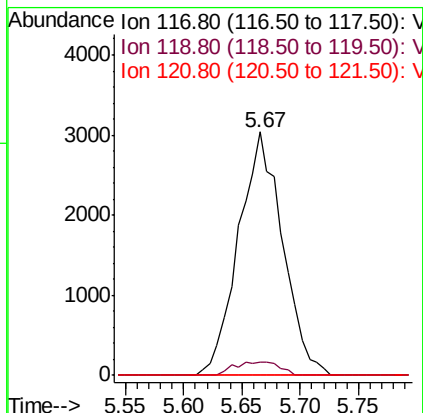
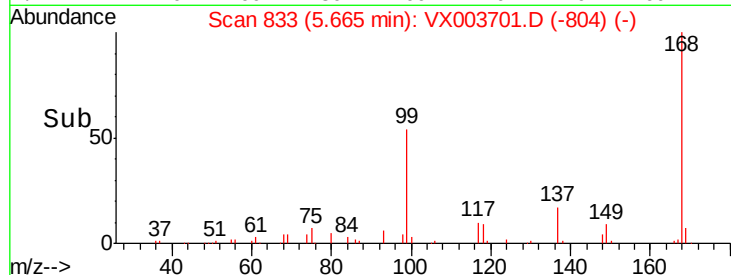
121 0.0 23.7 35.5#



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: 62.68 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003701.D

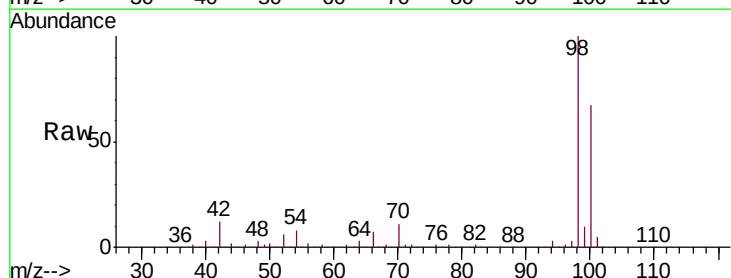
Acq: 27 Jul 2018 06:27

Tgt Ion: 98 Resp: 266337

Ion Ratio Lower Upper

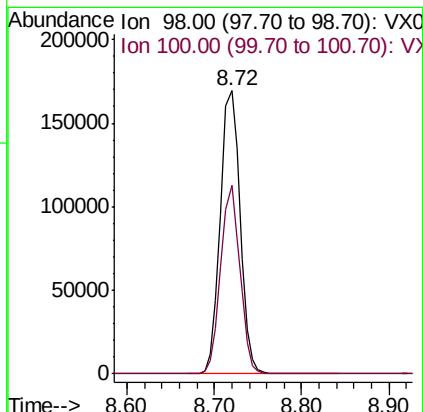
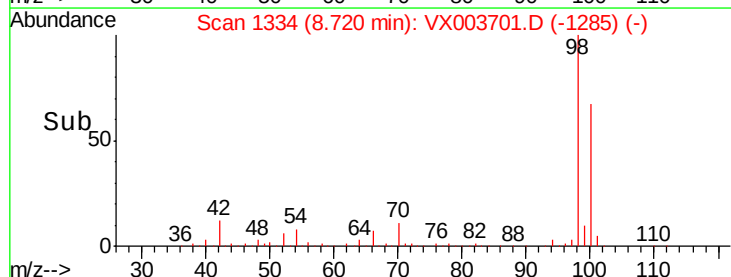
98 100

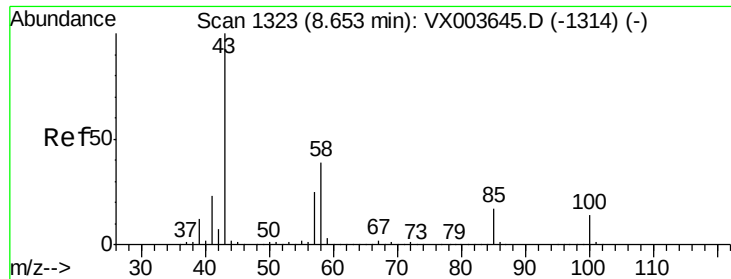
100 64.6 50.9 76.3



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: 0.60 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

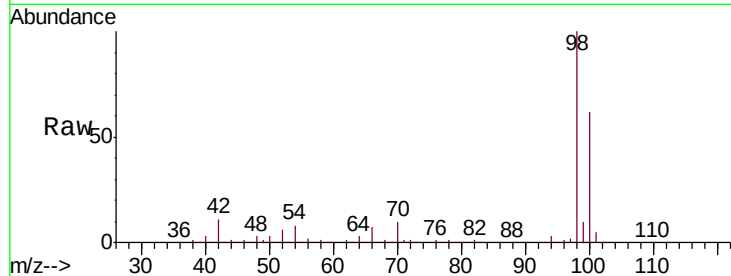
LA119SW005-W-180719

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

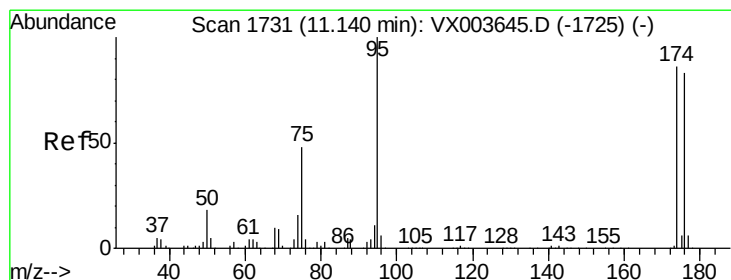
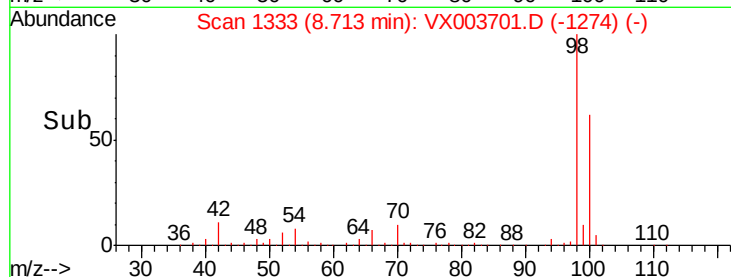
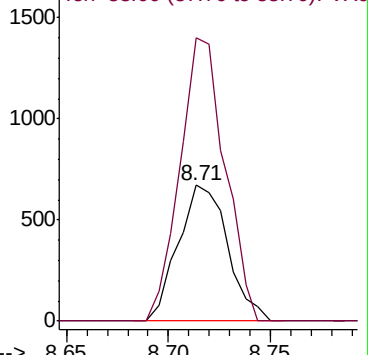
43 100

58 189.4 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: 52.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

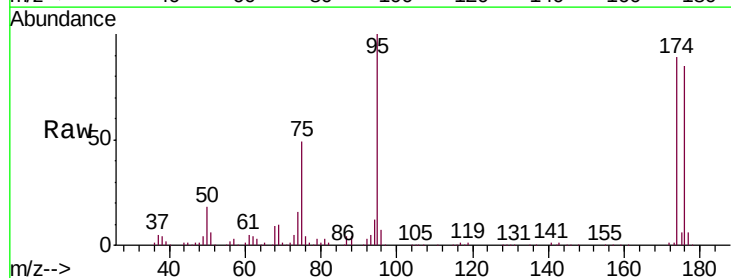
Tgt Ion: 95 Resp: 80741

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.0

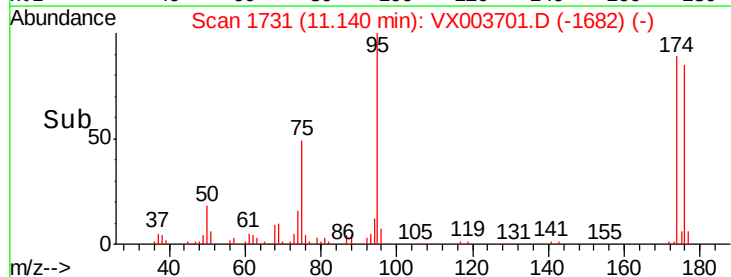
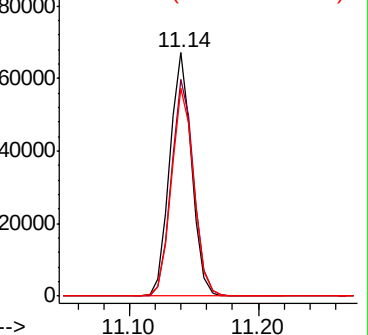
176 87.4 0.0 173.0

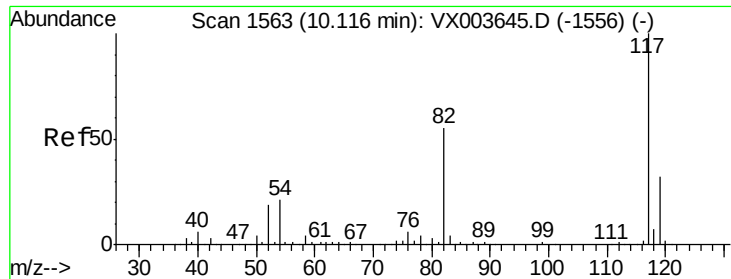


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

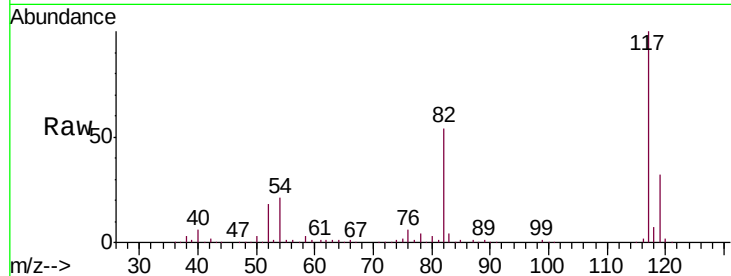




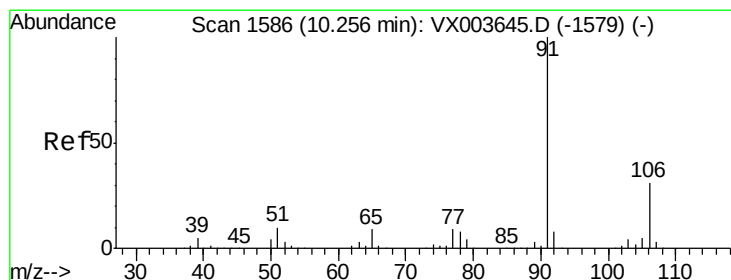
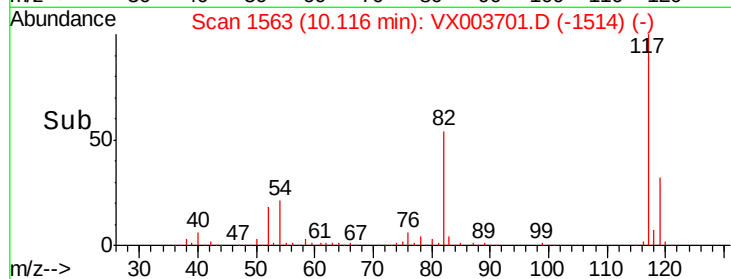
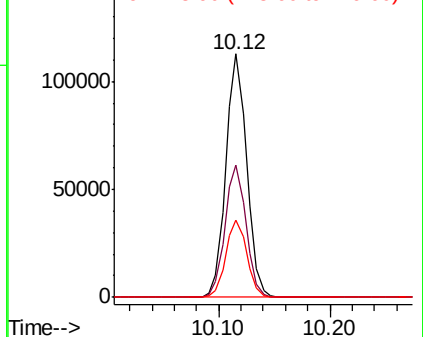
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003701.D
Acq: 27 Jul 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
LA119SW005-W-180719

Tot Ion:117 Resp: 145759
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 31.7 25.6 38.4

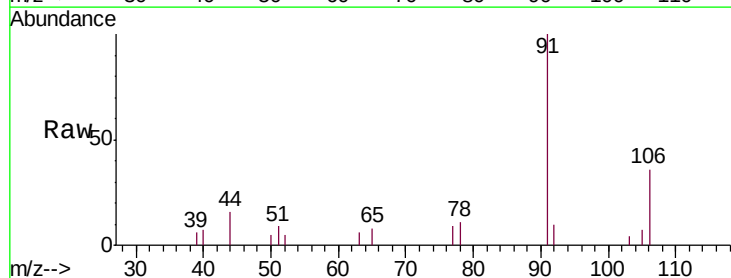


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

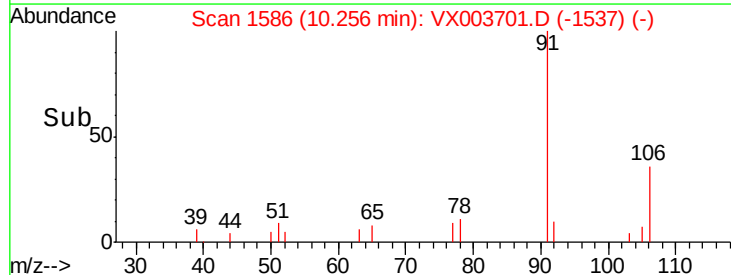
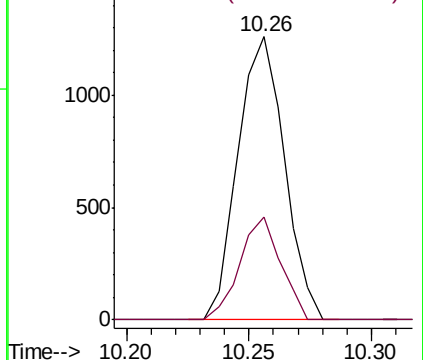


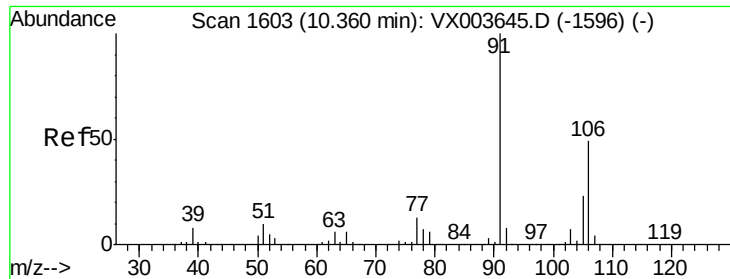
#67
Ethyl Benzene
Concen: 0.27 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003701.D
Acq: 27 Jul 2018 06:27

Tgt Ion: 91 Resp: 1673
Ion Ratio Lower Upper
91 100
106 36.2 25.0 37.6



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





#68

m/p-Xylenes

Concen: 0.79 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

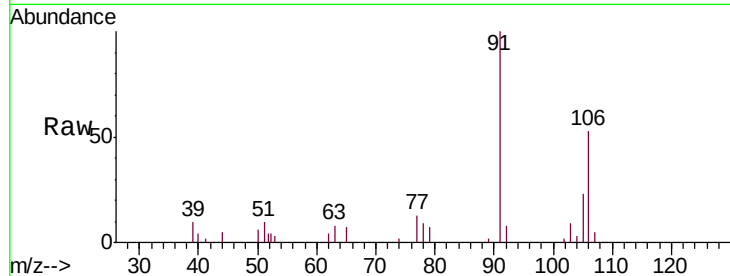
LA119SW005-W-180719

Tot Ion:106 Resp: 1861

Ion Ratio Lower Upper

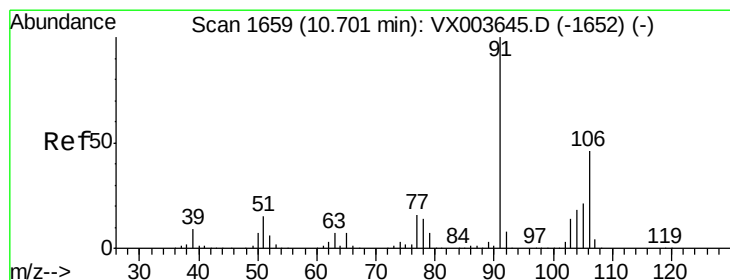
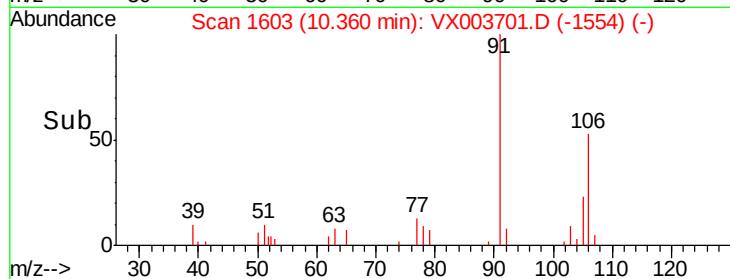
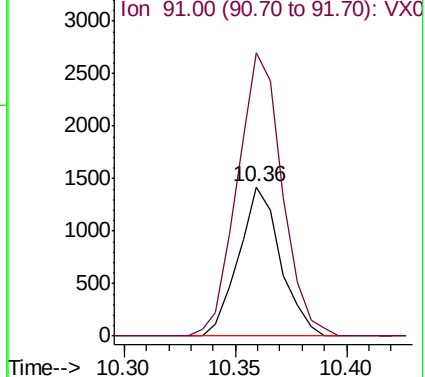
106 100

91 203.2 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.25 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX003701.D

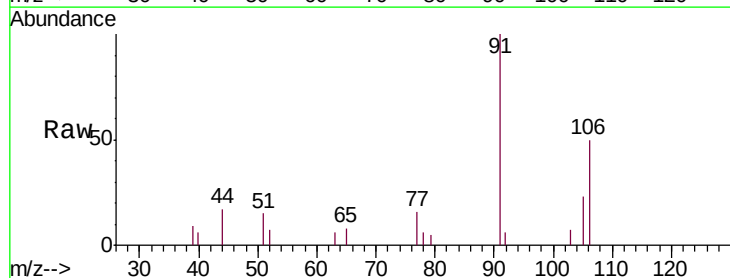
Acq: 27 Jul 2018 06:27

Tgt Ion:106 Resp: 569

Ion Ratio Lower Upper

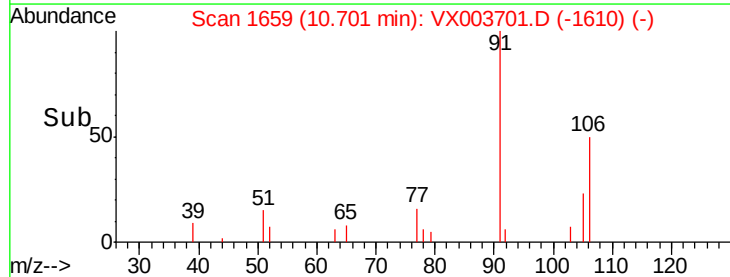
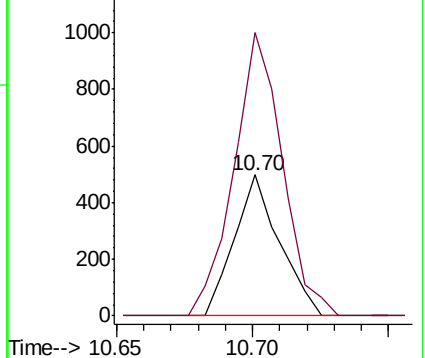
106 100

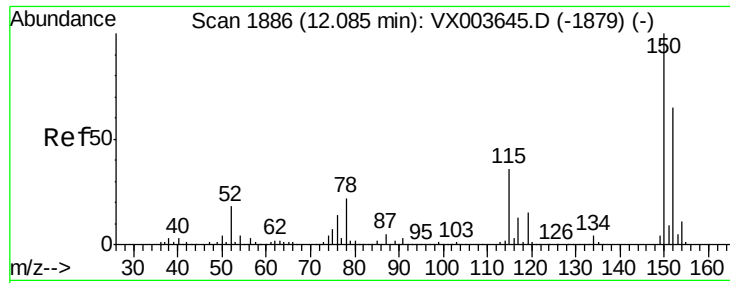
91 217.2 107.1 321.1



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: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

LA119SW005-W-180719

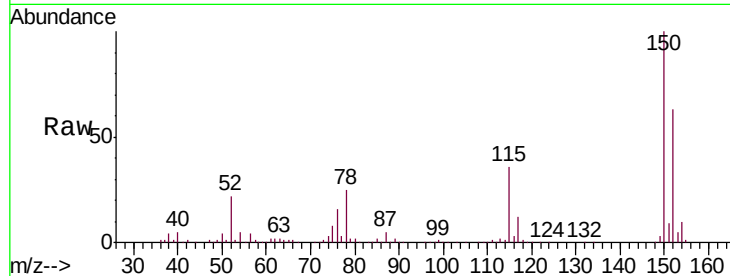
Tot Ion:152 Resp: 76621

Ion Ratio Lower Upper

152 100

115 55.3 40.0 119.9

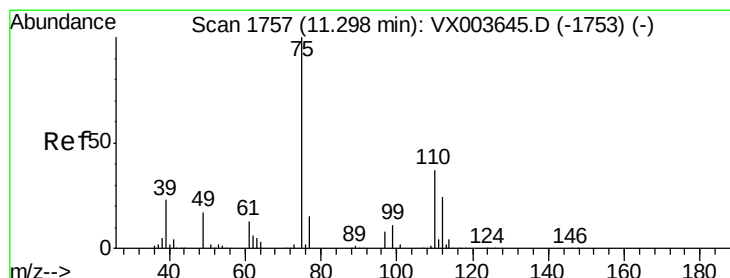
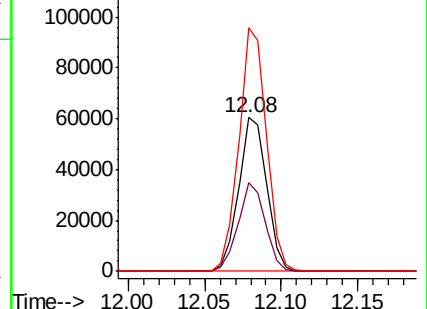
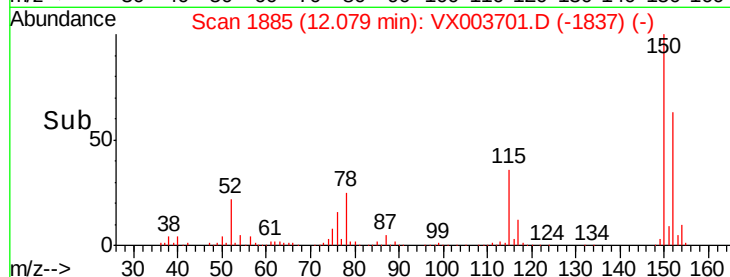
150 155.8 0.0 348.4



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: 25.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003701.D

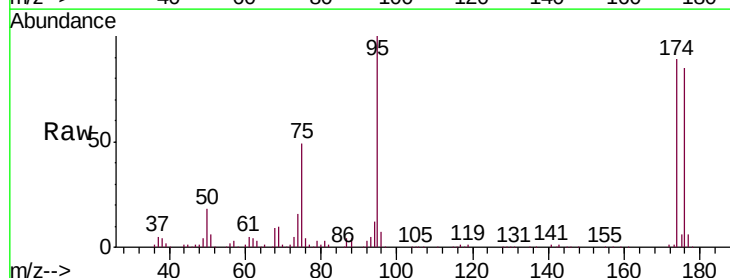
Acq: 27 Jul 2018 06:27

Tgt Ion: 75 Resp: 40527

Ion Ratio Lower Upper

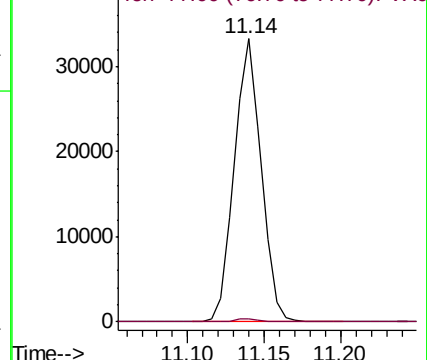
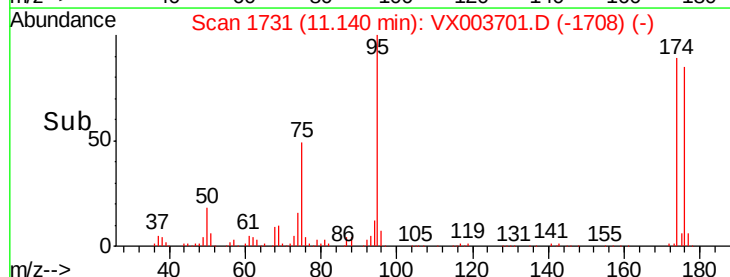
75 100

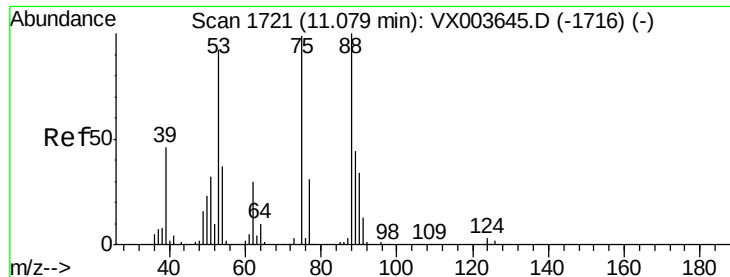
77 1.2 21.6 64.6#



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: 78.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

LA119SW005-W-180719

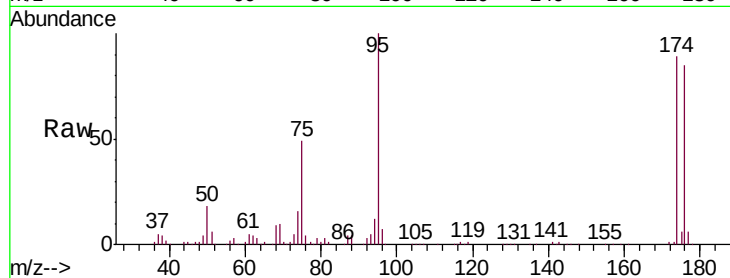
Tot Ion: 75 Resp: 40527

Ion Ratio Lower Upper

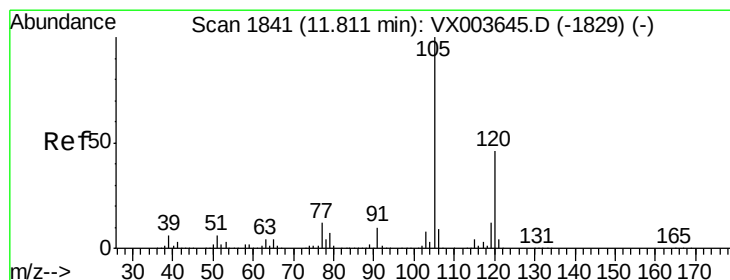
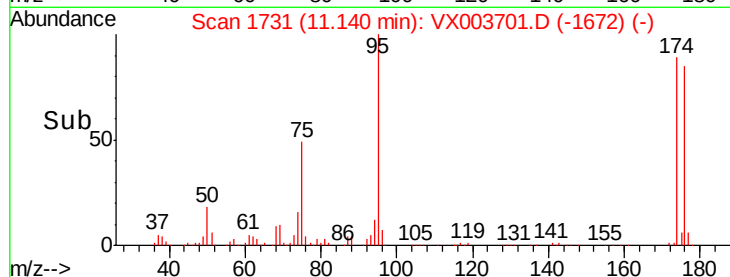
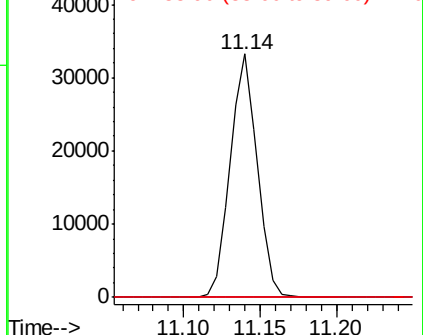
75 100

53 0.0 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: 0.52 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003701.D

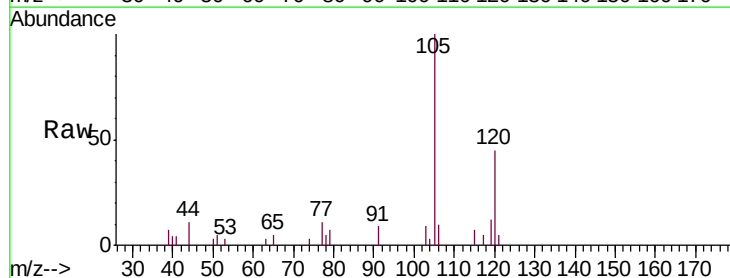
Acq: 27 Jul 2018 06:27

Tgt Ion:105 Resp: 2345

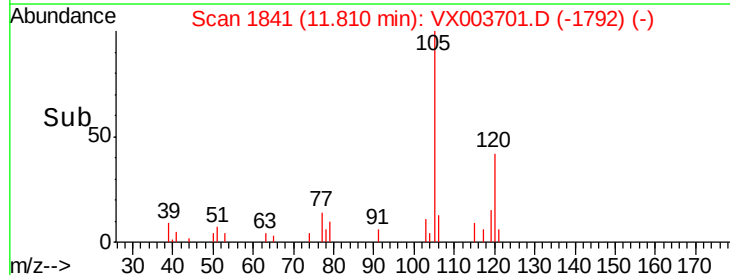
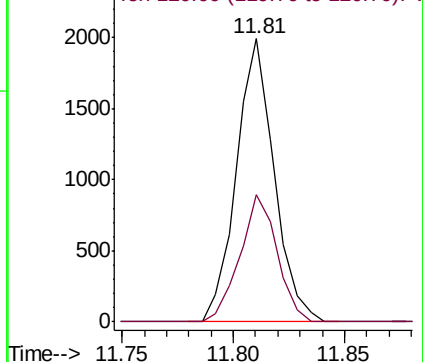
Ion Ratio Lower Upper

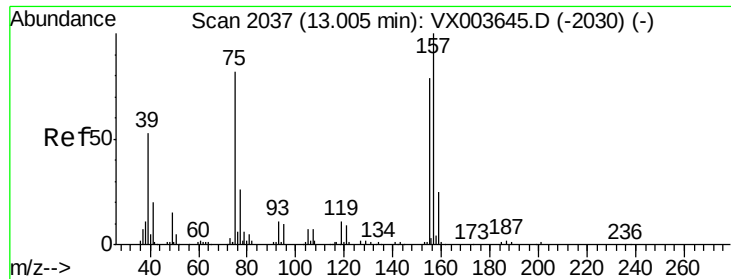
105 100

120 44.3 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: 0.37 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003701.D

Acq: 27 Jul 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

LA119SW005-W-180719

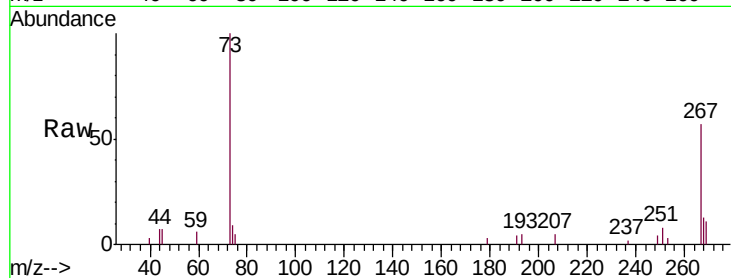
Tot Ion: 75 Resp: 150

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

