

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008721.D
 Acq On : 06 Apr 2019 15:28
 Operator : JC/SP
 Sample : K2295-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-190403

Quant Time: Apr 08 01:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

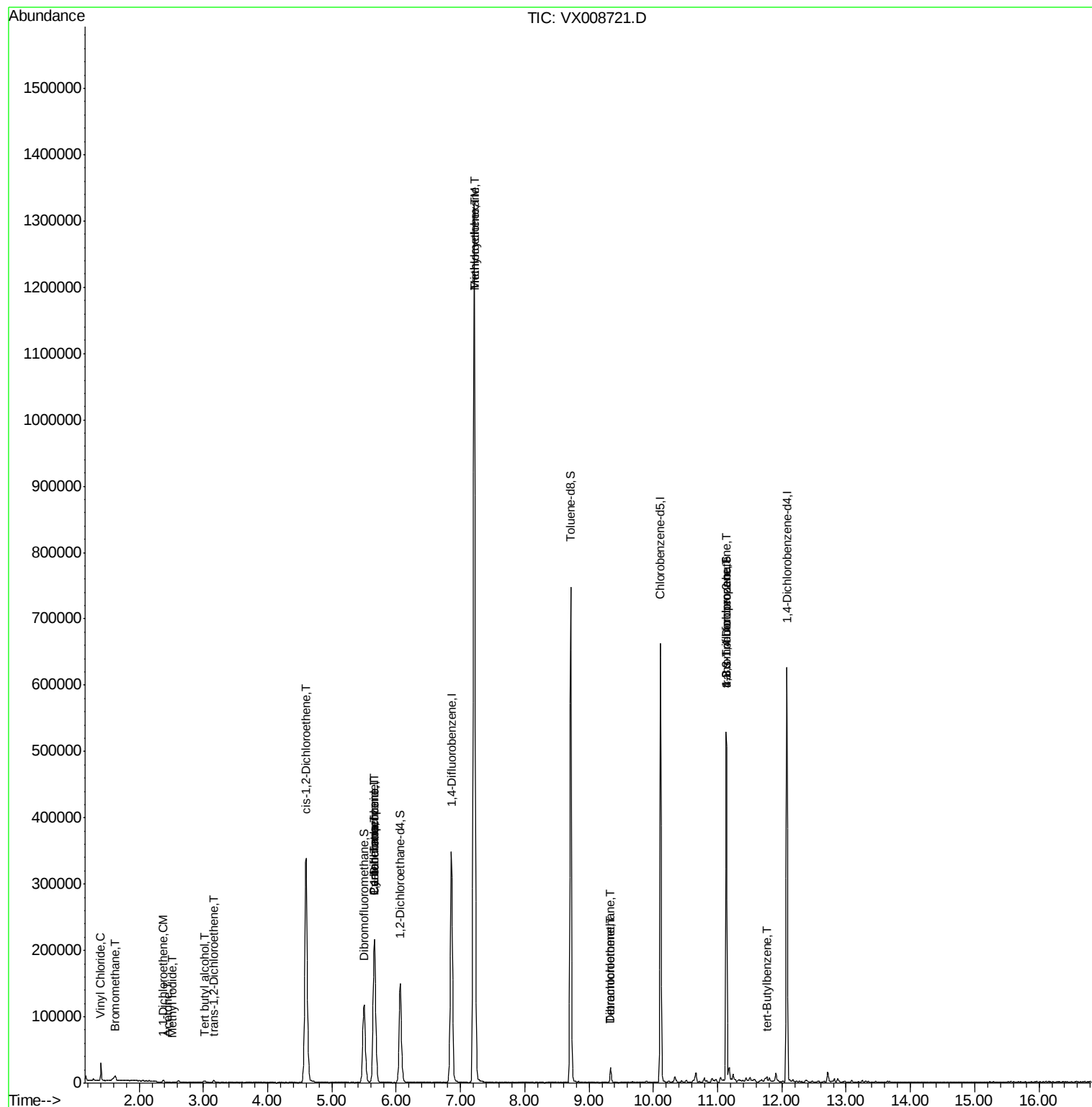
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	140607	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
35) Dibromofluoromethane	5.50	113	102071	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	426502	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.13	95	145418	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	405	Below Cal	#	79
4) Vinyl Chloride	1.40	62	17375	5.394	ug/l	99
5) Bromomethane	1.64	94	458	2.163	ug/l	84
6) Chloroethane	1.73	64	1360	Below Cal	#	69
10) Methyl Iodide	2.51	142	241	4.109	ug/l	# 51
11) Tert butyl alcohol	3.02	59	1937	2.740	ug/l	# 72
12) 1,1-Dichloroethene	2.37	96	1060	0.443	ug/l	# 83
16) Acetone	2.45	43	998	0.574	ug/l	91
17) Carbon Disulfide	2.57	76	748	Below Cal	#	83
21) trans-1,2-Dichloroethene	3.17	96	1149	0.444	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	213241	71.654	ug/l	88
28) Bromochloromethane	5.06	49	95	Below Cal	#	22
31) Cyclohexane	5.66	56	4728	0.906	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	16754	4.512	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	19868	6.465	ug/l	# 16
39) Methylcyclohexane	7.21	83	6222	1.357	ug/l	# 1
44) Trichloroethene	7.21	130	497950	193.292	ug/l	99
60) Dibromochloromethane	9.34	129	4002	1.622	ug/l	# 11
64) Tetrachloroethene	9.34	164	4304	1.973	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	72757	21.236	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.13	75	72757	58.538	ug/l	# 9
83) tert-Butylbenzene	11.77	119	1983	0.238	ug/l	80

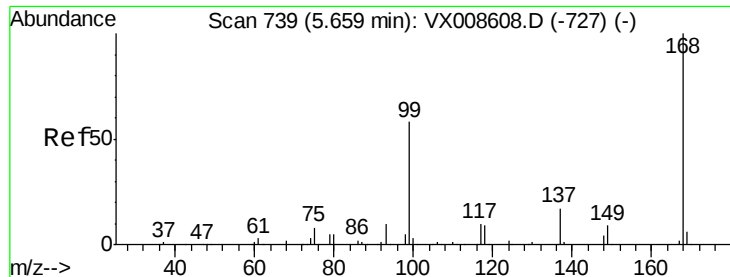
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040619\
Data File : VX008721.D
Acq On : 06 Apr 2019 15:28
Operator : JC/SP
Sample : K2295-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-190403

Quant Time: Apr 08 01:54:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

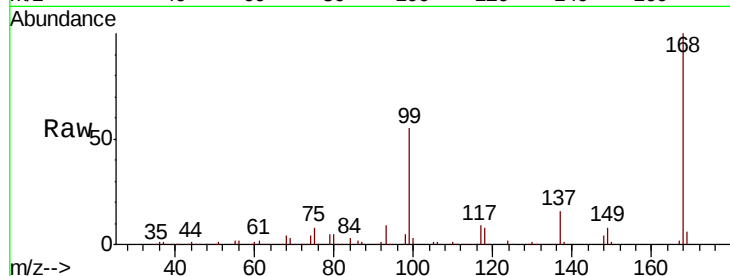
KY036MW026-190403

Tot Ion:168 Resp: 206993

Ion Ratio Lower Upper

168 100

99 54.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

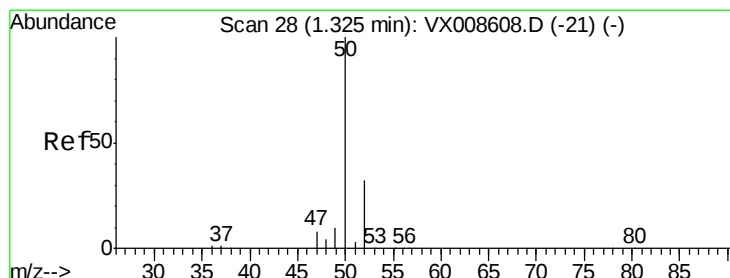
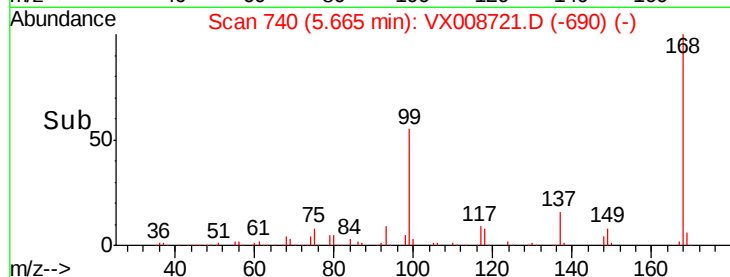
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008721.D

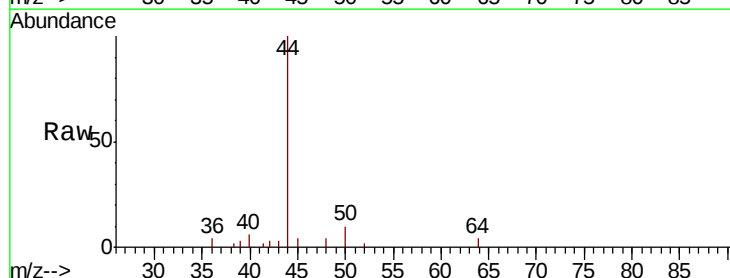
Acq: 06 Apr 2019 15:28

Tgt Ion: 50 Resp: 405

Ion Ratio Lower Upper

50 100

52 20.7 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

200

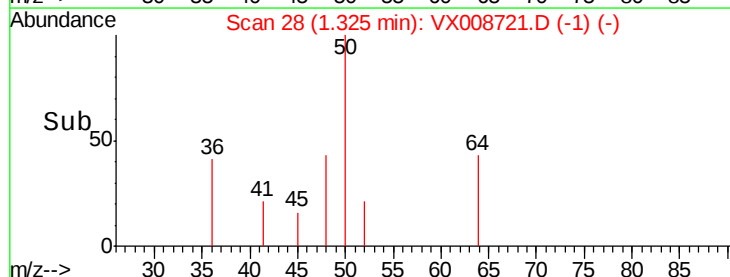
100

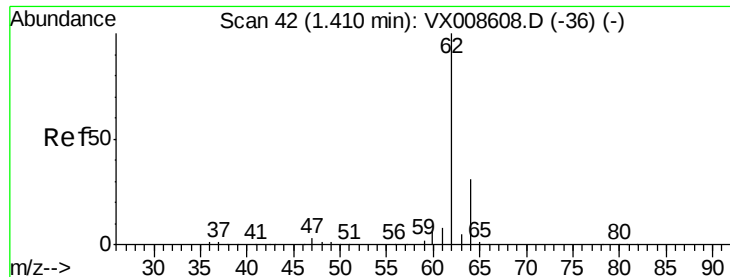
0

Time-->

1.30

1.35





#4

Vinyl Chloride

Concen: 5.394 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

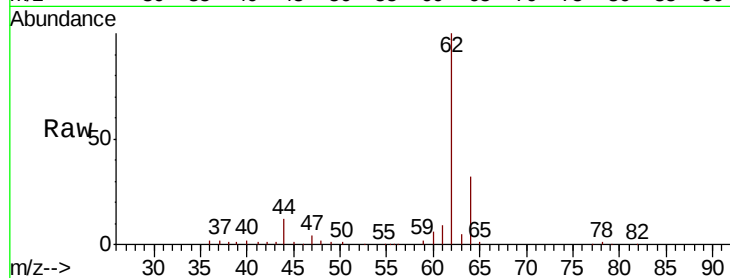
KY036MW026-190403

Tot Ion: 62 Resp: 17375

Ion Ratio Lower Upper

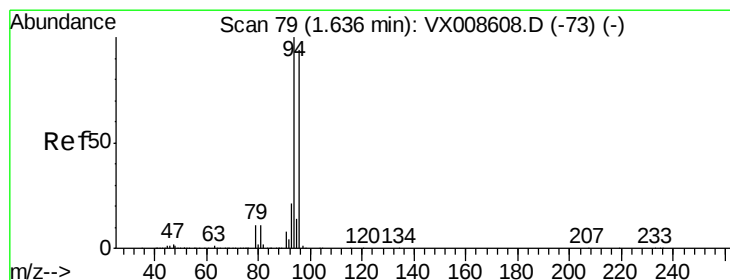
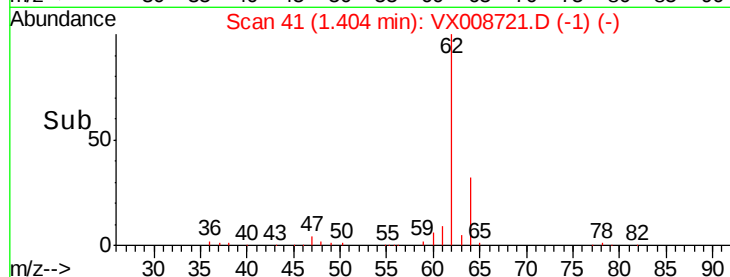
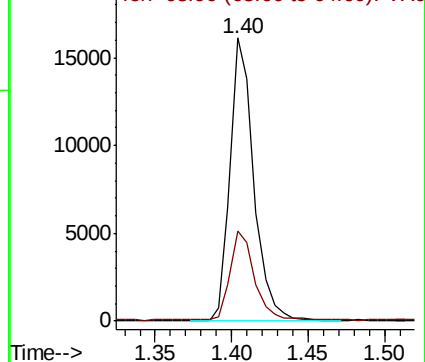
62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.163 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008721.D

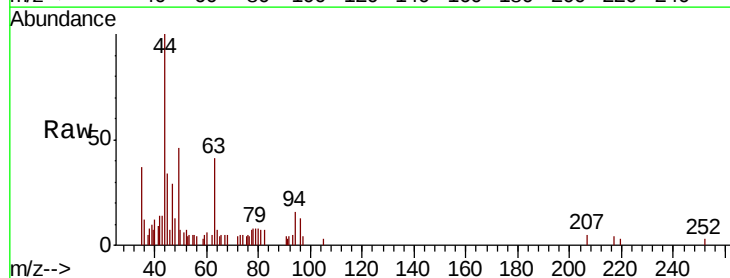
Acq: 06 Apr 2019 15:28

Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

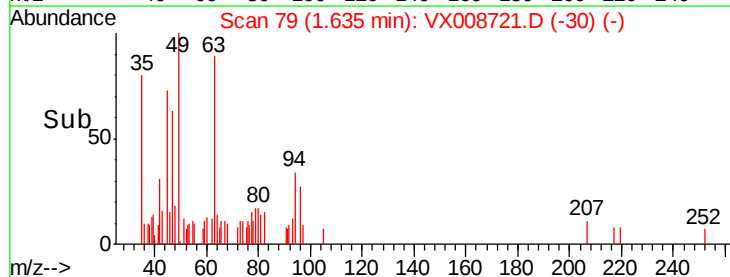
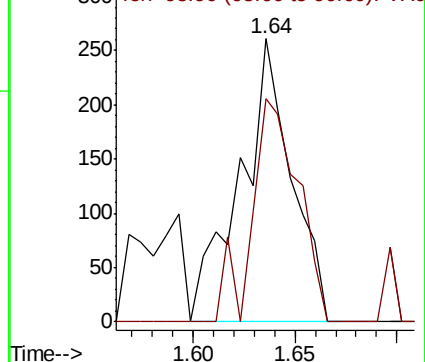
94 100

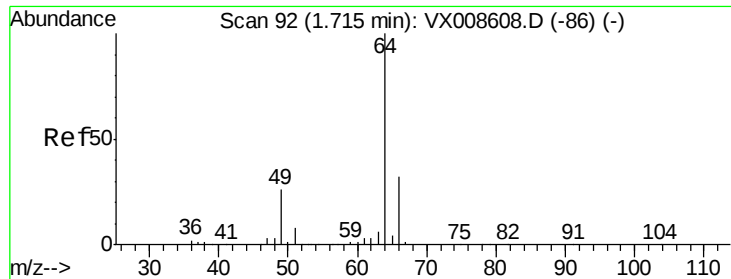
96 78.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

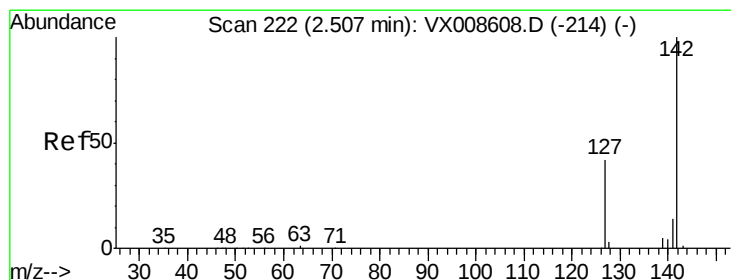
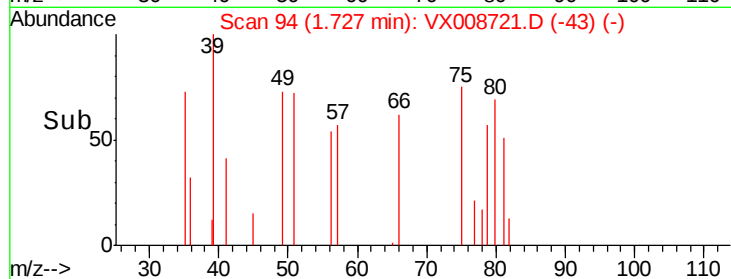
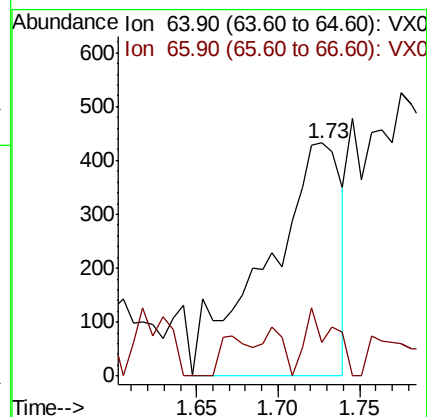
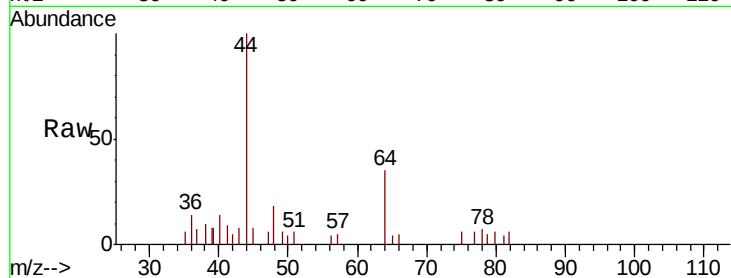
KY036MW026-190403

Tot Ion: 64 Resp: 1360

Ion Ratio Lower Upper

64 100

66 14.6 25.4 38.0#



#10

Methyl Iodide

Concen: 4.109 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

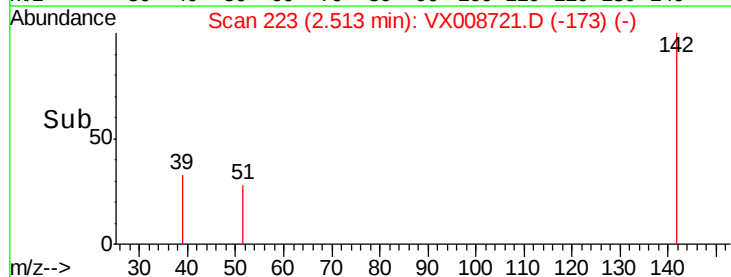
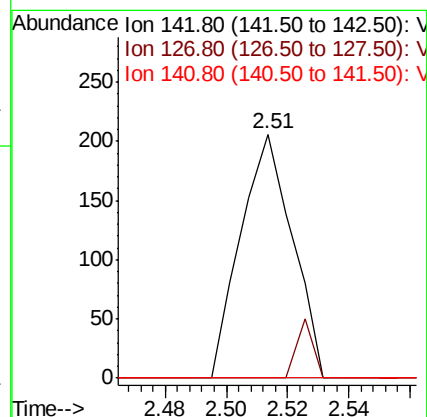
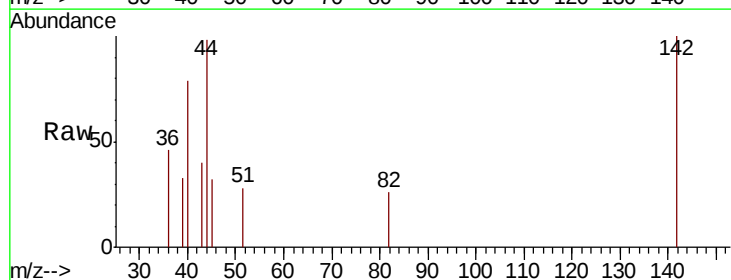
Tgt Ion: 142 Resp: 241

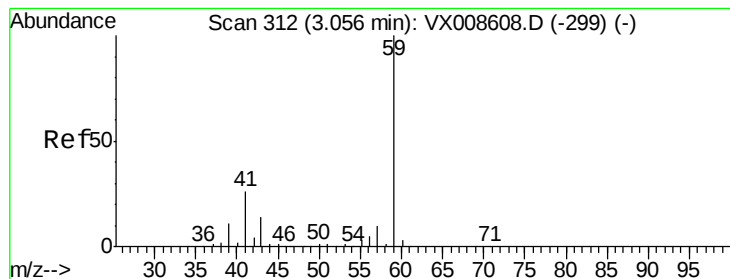
Ion Ratio Lower Upper

142 100

127 7.5 33.0 49.6#

141 0.0 11.4 17.2#



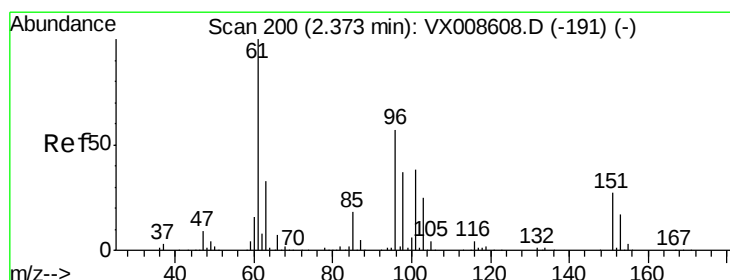
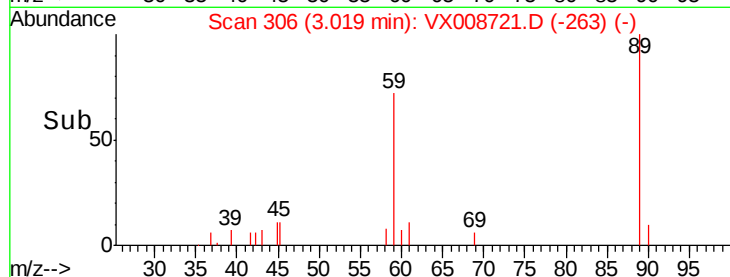
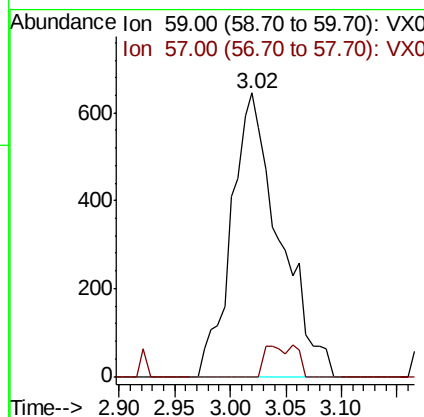
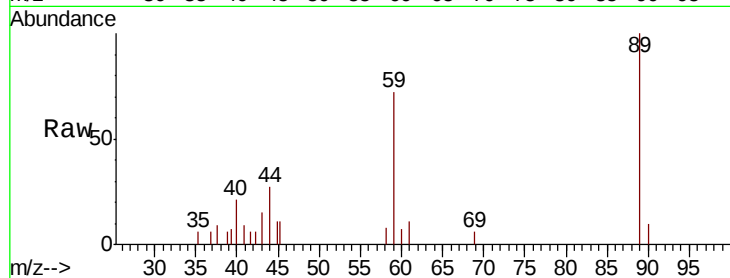


#11

Tert butvl alcohol
 Concen: 2.740 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008721.D
 Acq: 06 Apr 2019 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-190403

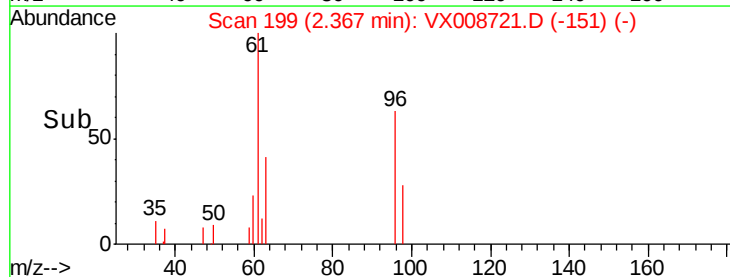
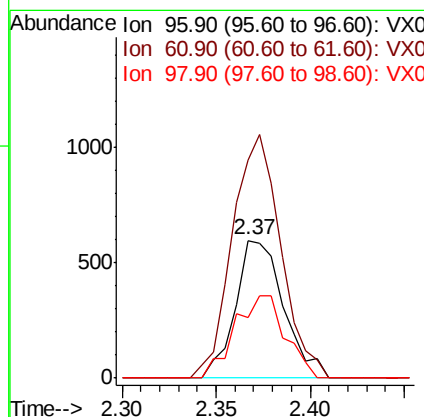
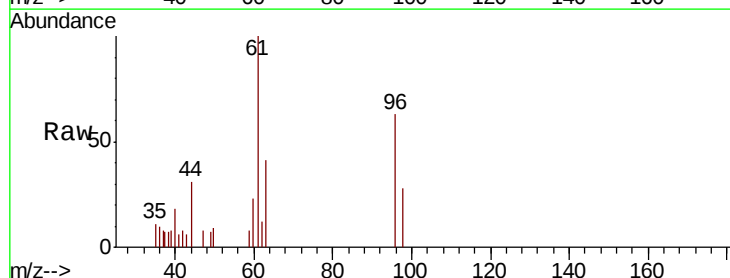
Tot Ion: 59 Resp: 1937
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

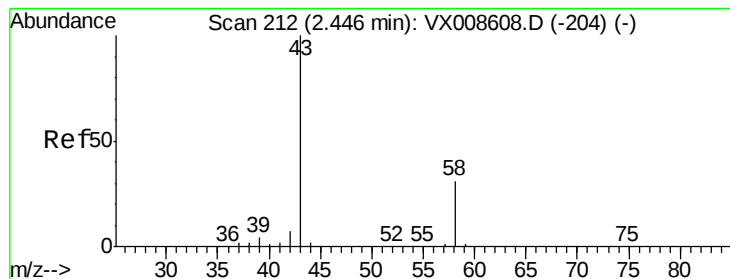


#12

1,1-Dichloroethene
 Concen: 0.443 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008721.D
 Acq: 06 Apr 2019 15:28

Tgt Ion: 96 Resp: 1060
 Ion Ratio Lower Upper
 96 100
 61 158.2 140.9 211.3
 98 44.0 52.1 78.1#





#16

Acetone

Concen: 0.574 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

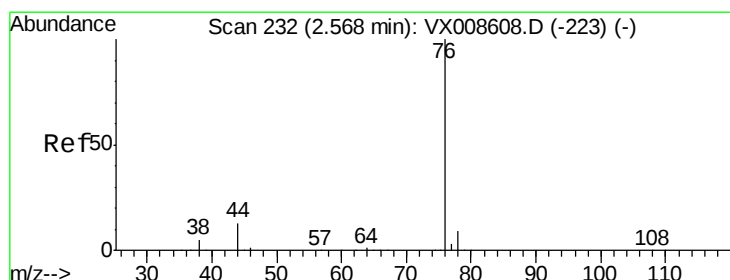
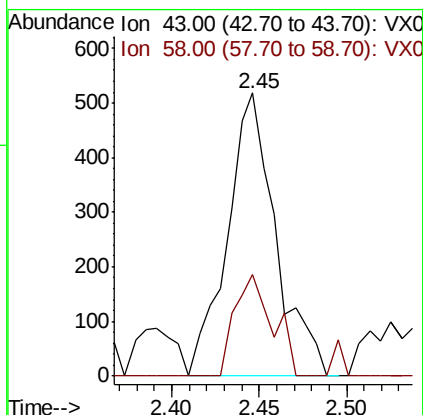
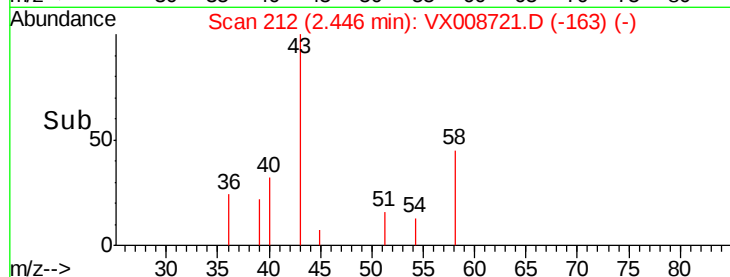
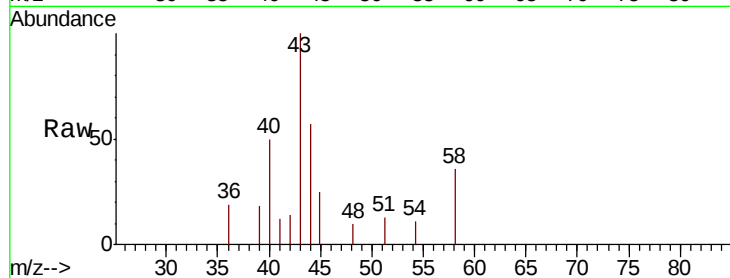
KY036MW026-190403

Tot Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

58 35.7 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008721.D

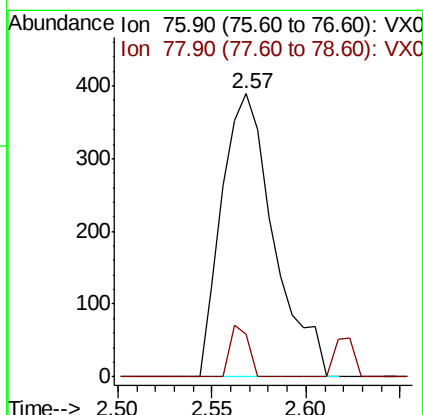
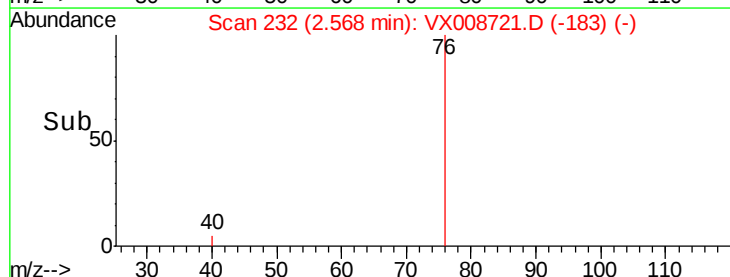
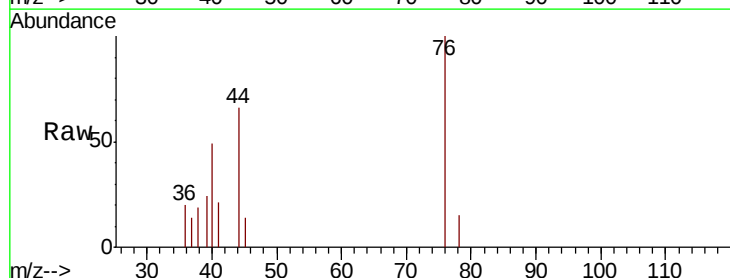
Acq: 06 Apr 2019 15:28

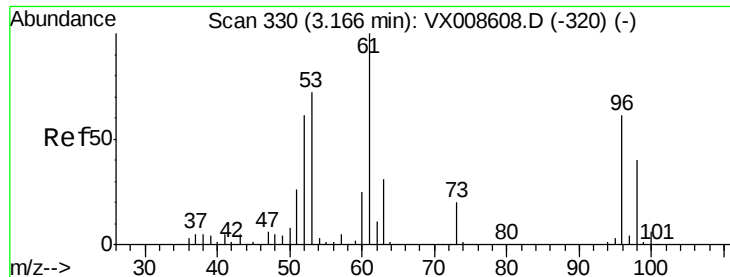
Tgt Ion: 76 Resp: 748

Ion Ratio Lower Upper

76 100

78 14.9 7.1 10.7#

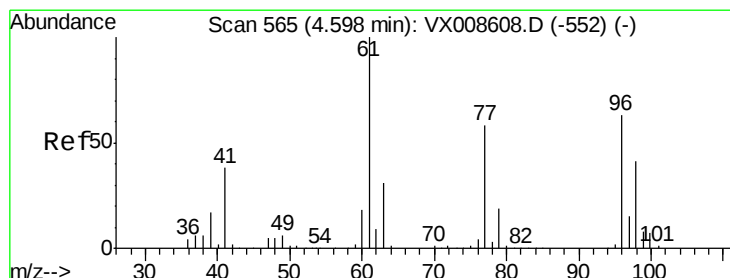
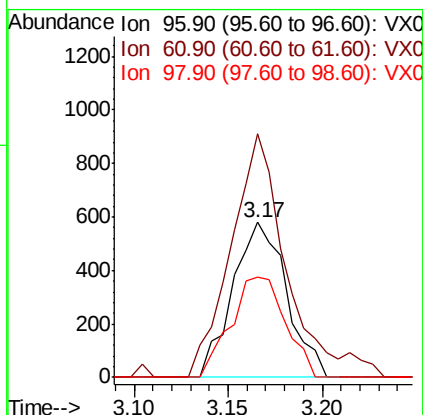
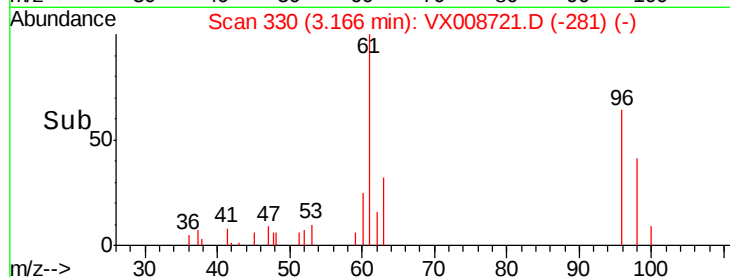
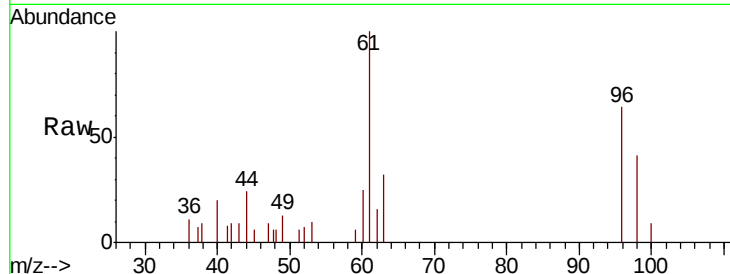




#21
trans-1,2-Dichloroethene
Concen: 0.444 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008721.D
Acq: 06 Apr 2019 15:28

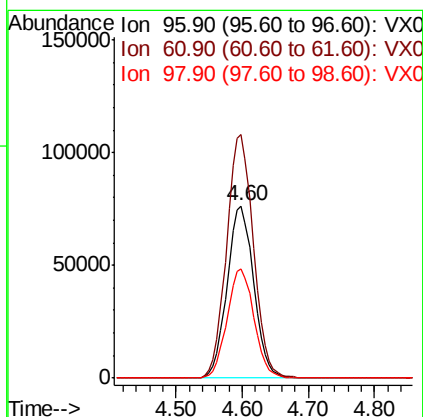
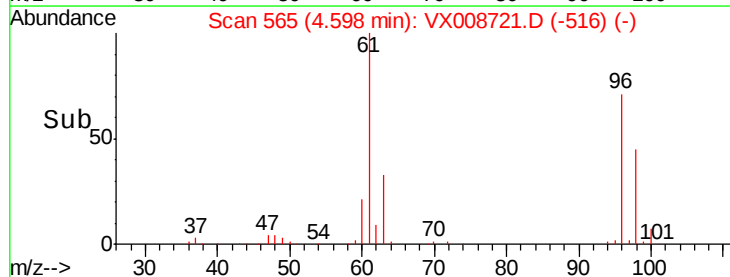
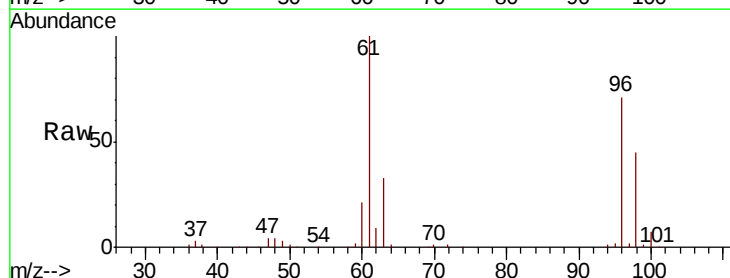
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-190403

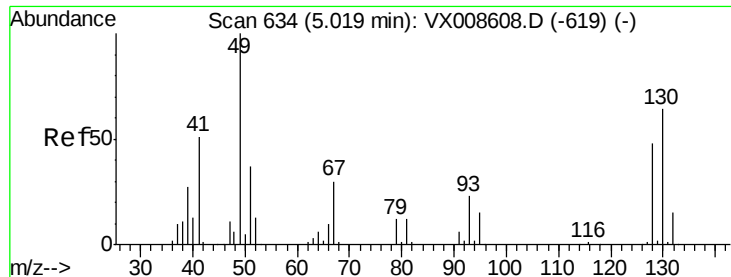
Tot Ion: 96 Resp: 1149
Ion Ratio Lower Upper
96 100
61 157.3 132.1 198.1
98 65.1 52.2 78.2



#27
cis-1,2-Dichloroethene
Concen: 71.654 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008721.D
Acq: 06 Apr 2019 15:28

Tgt Ion: 96 Resp: 213241
Ion Ratio Lower Upper
96 100
61 142.6 0.0 327.6
98 63.9 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 641

Delta R.T. 0.04 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-190403

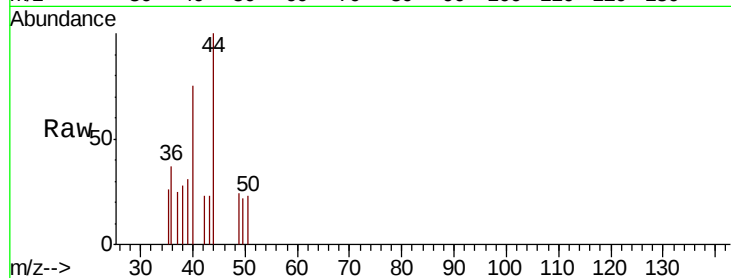
Tot Ion: 49 Resp: 95

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

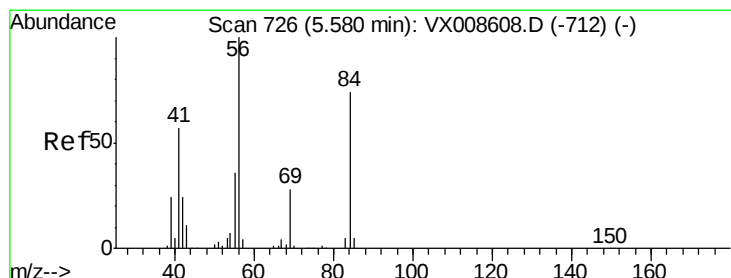
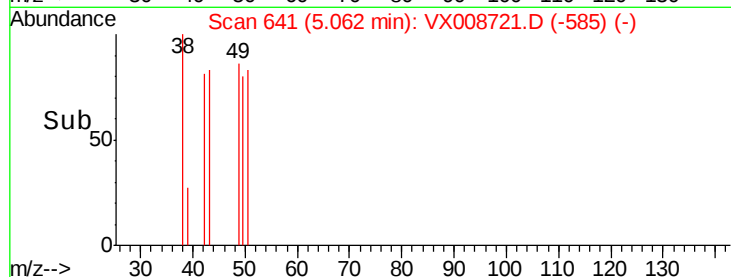
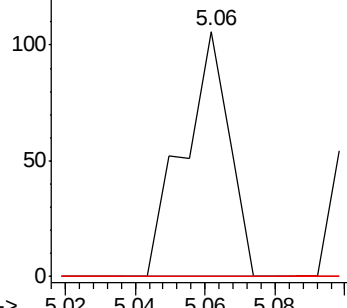
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.906 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

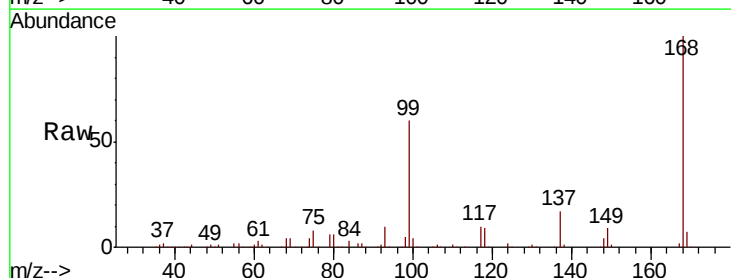
Tgt Ion: 56 Resp: 4728

Ion Ratio Lower Upper

56 100

69 165.4 22.6 33.8#

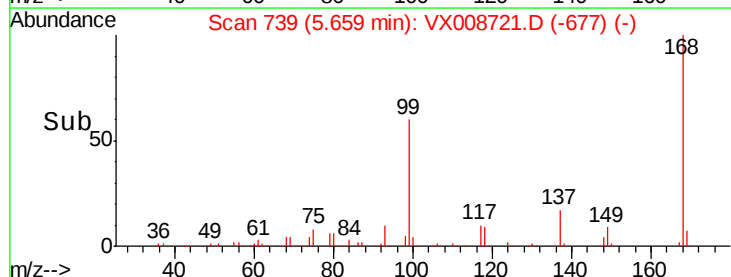
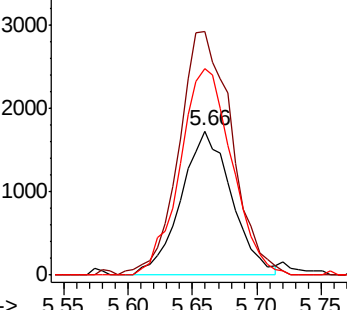
84 142.9 59.3 88.9#

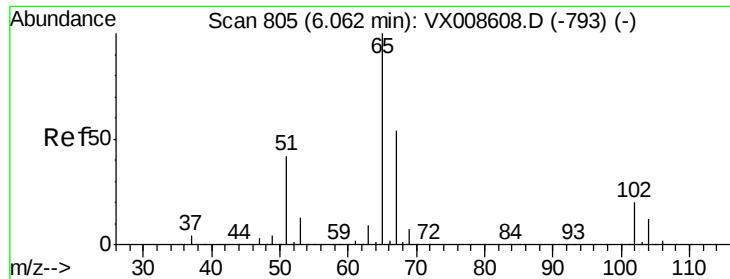


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.572 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

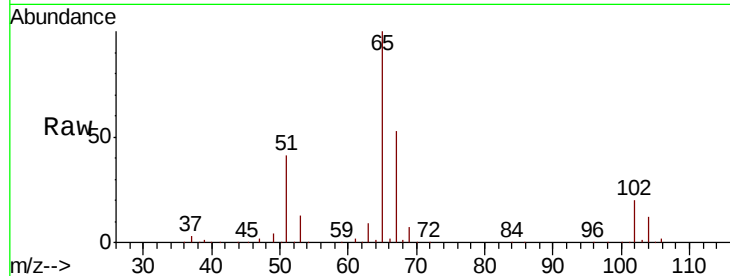
KY036MW026-190403

Tot Ion: 65 Resp: 140607

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

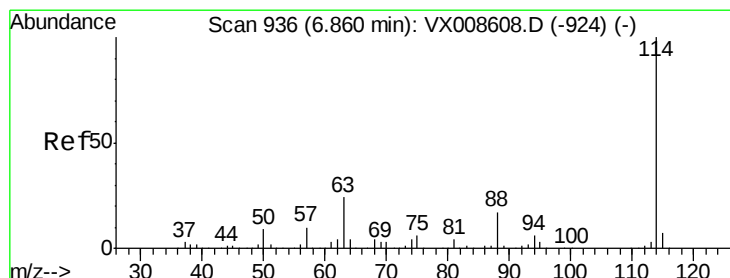
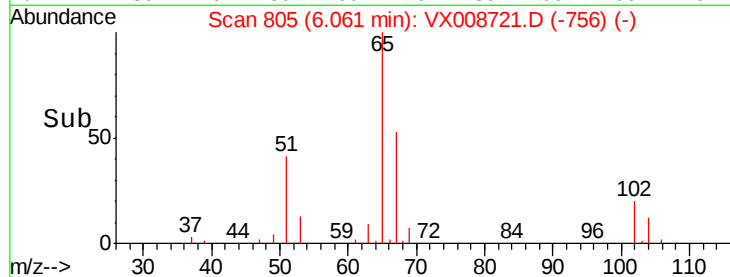
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

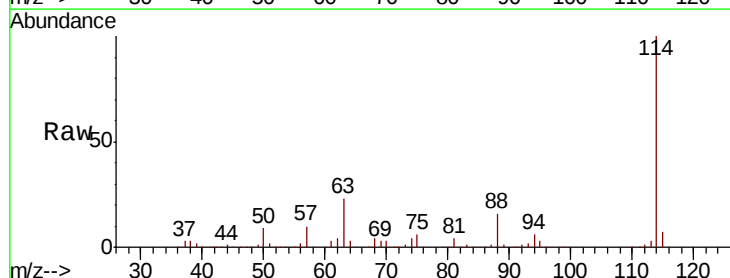
Tgt Ion: 114 Resp: 339658

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

88 15.8 0.0 34.0



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

200000

150000

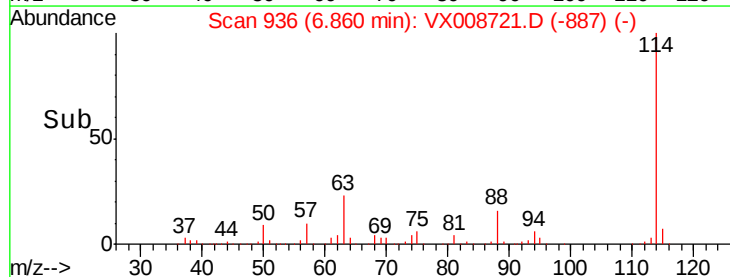
100000

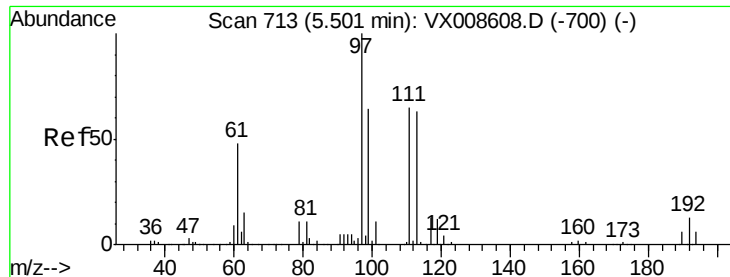
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.002 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-190403

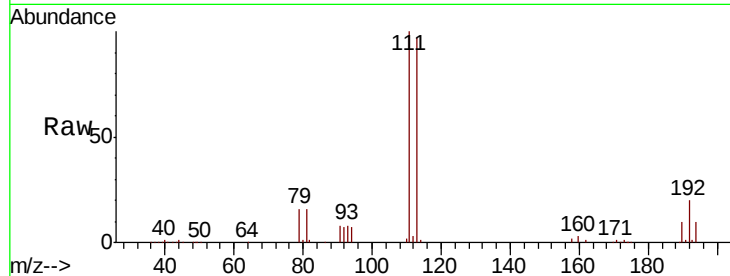
Tot Ion:113 Resp: 102071

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

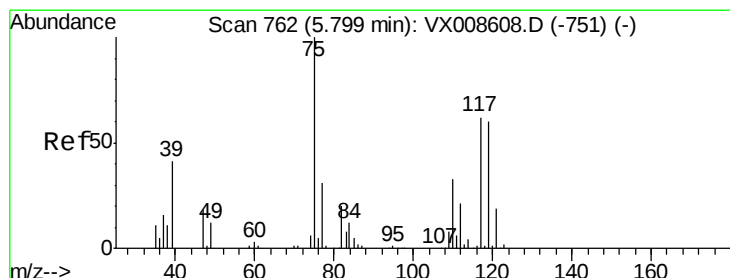
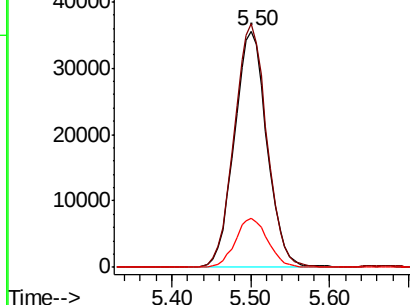
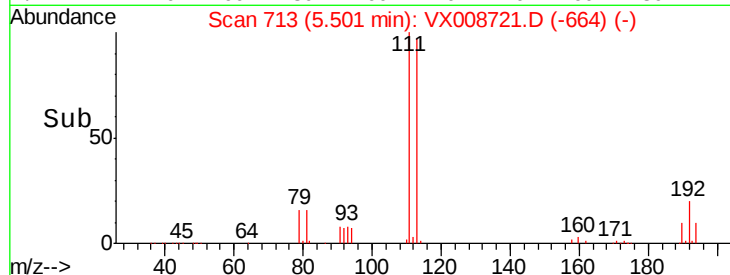
192 20.7 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.512 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

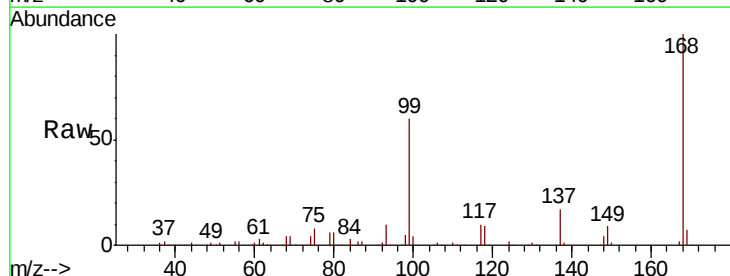
Tgt Ion: 75 Resp: 16754

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.2#

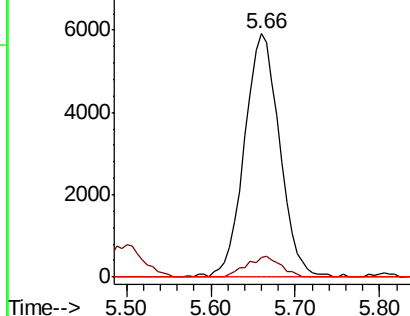
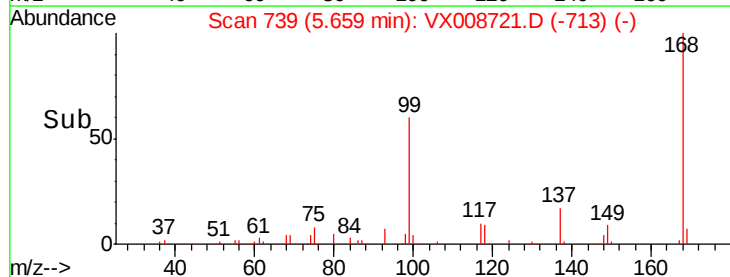
77 0.0 24.7 37.1#

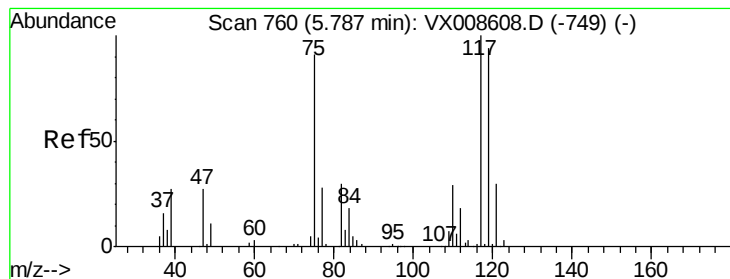


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-190403

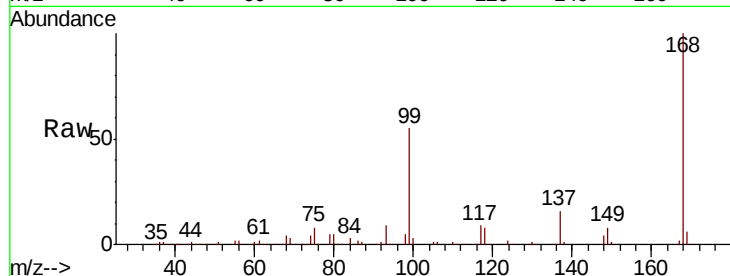
Tot Ion:117 Resp: 19868

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

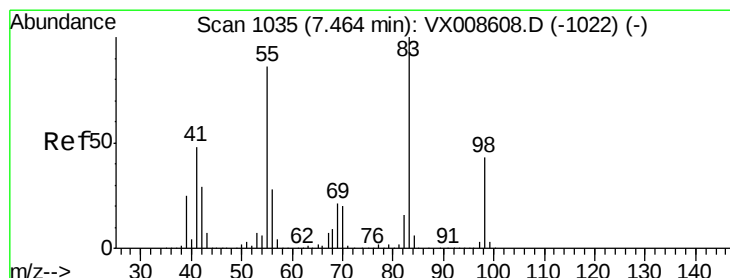
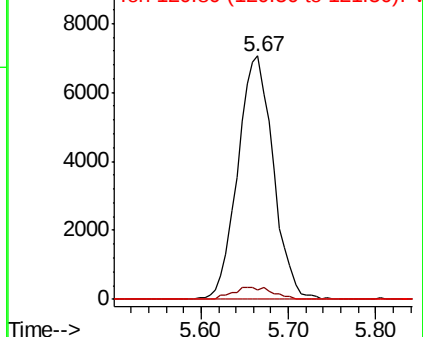
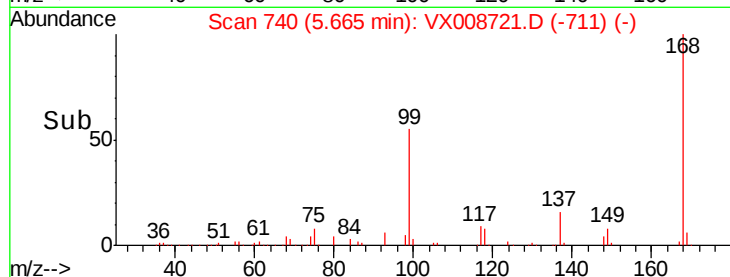
121 0.0 24.3 36.5#



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



#39

Methylcyclohexane

Concen: 1.357 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.25 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

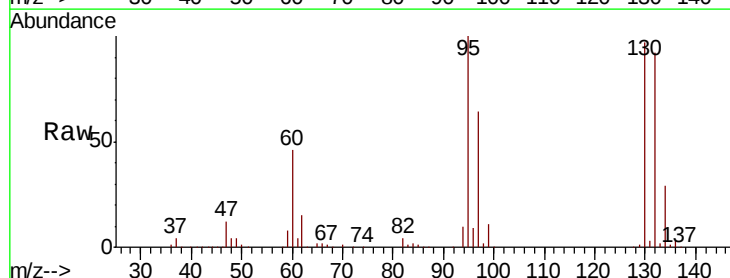
Tgt Ion: 83 Resp: 6222

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.6#

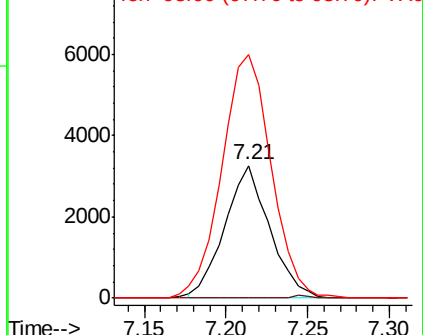
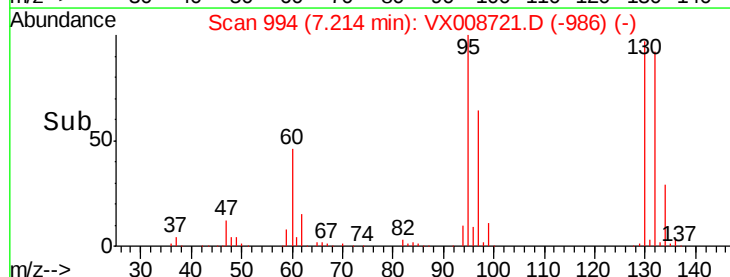
98 182.3 34.4 51.6#

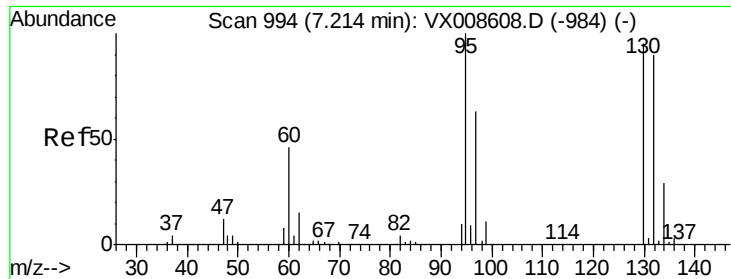


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 193.292 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

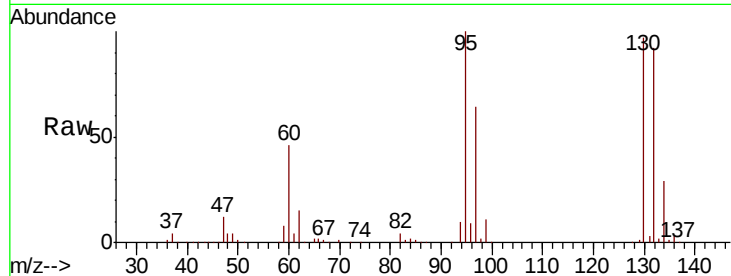
KY036MW026-190403

Tot Ion:130 Resp: 497950

Ion Ratio Lower Upper

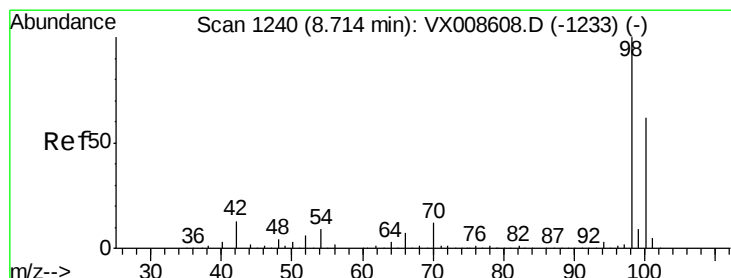
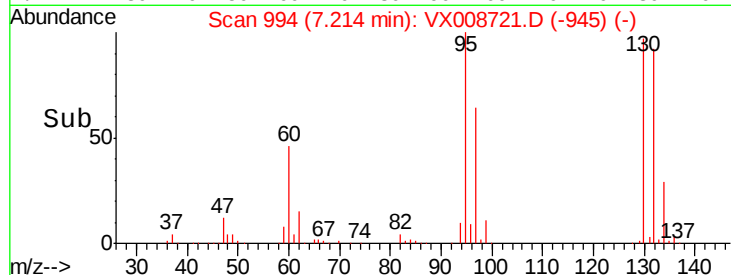
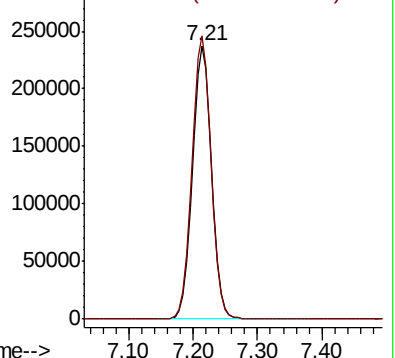
130 100

95 103.6 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.324 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008721.D

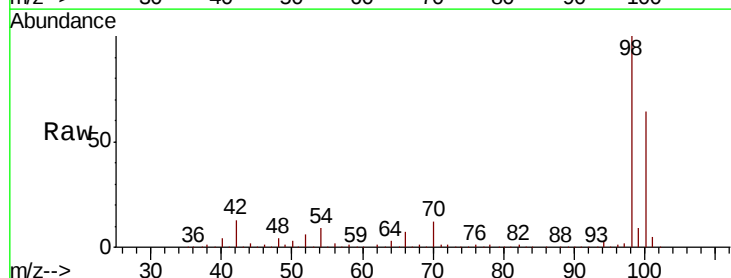
Acq: 06 Apr 2019 15:28

Tgt Ion: 98 Resp: 426502

Ion Ratio Lower Upper

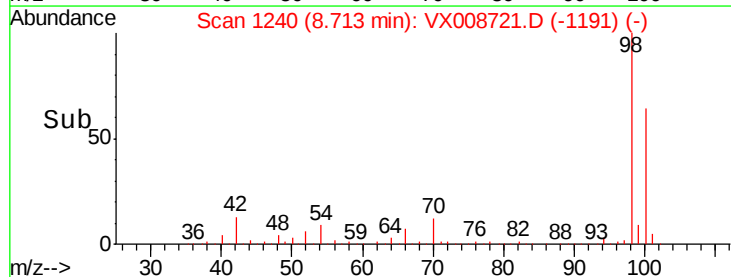
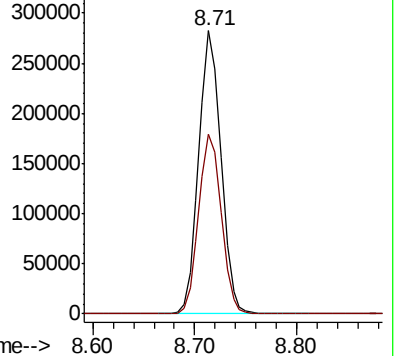
98 100

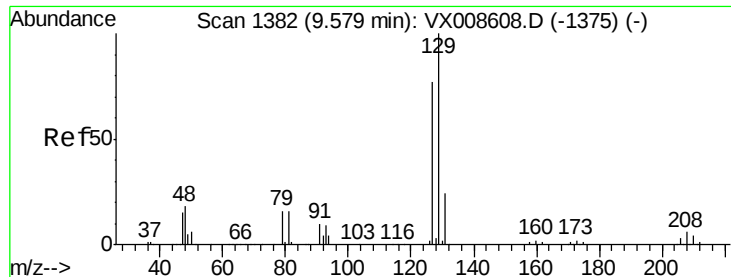
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.622 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

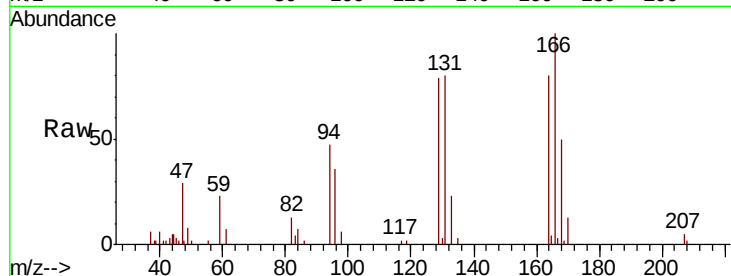
KY036MW026-190403

Tot Ion:129 Resp: 4002

Ion Ratio Lower Upper

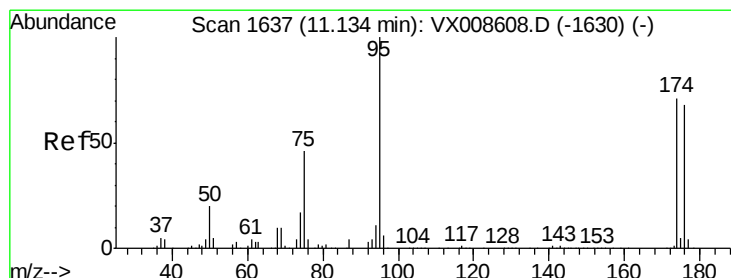
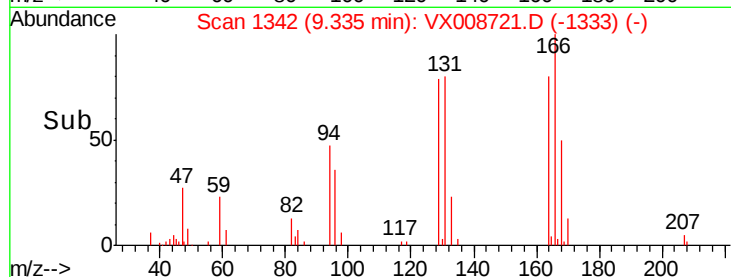
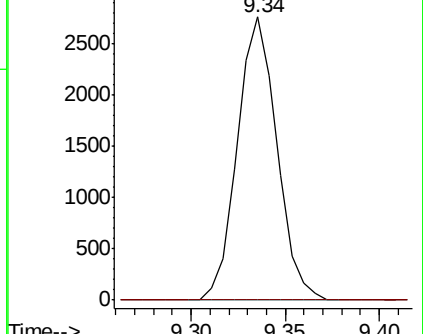
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.424 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

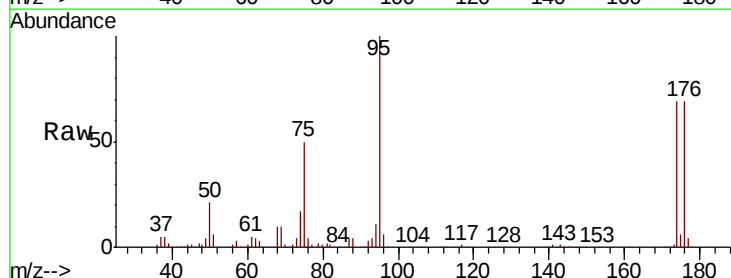
Tgt Ion: 95 Resp: 145418

Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.8

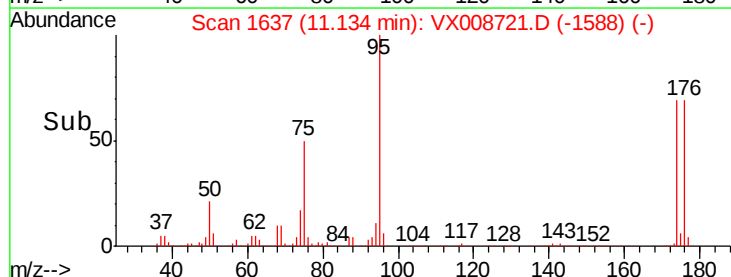
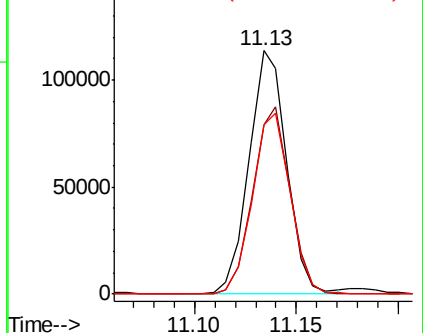
176 75.1 0.0 145.8

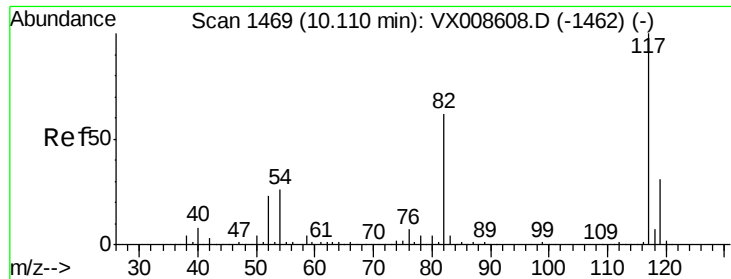


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

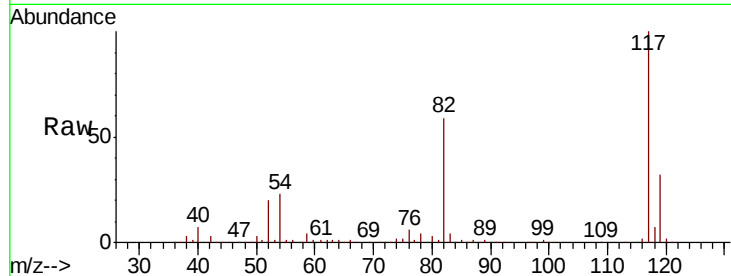




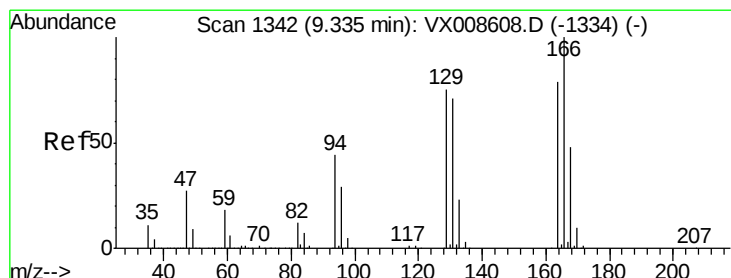
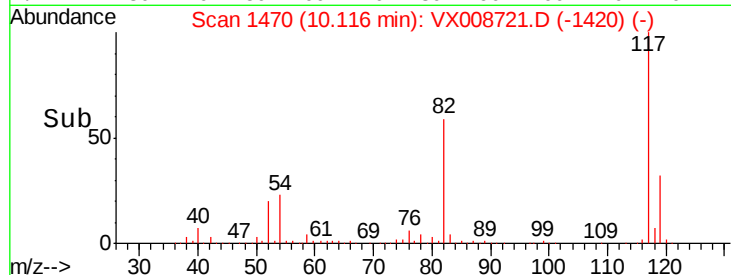
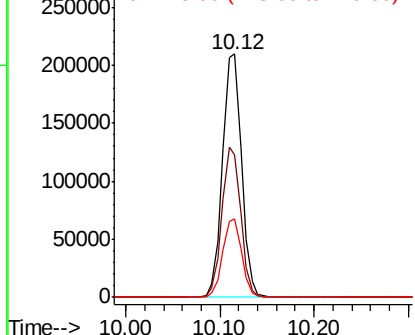
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008721.D
Acq: 06 Apr 2019 15:28

Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-190403

Tot Ion:117 Resp: 294442
Ion Ratio Lower Upper
117 100
82 58.6 49.6 74.4
119 32.4 25.0 37.4



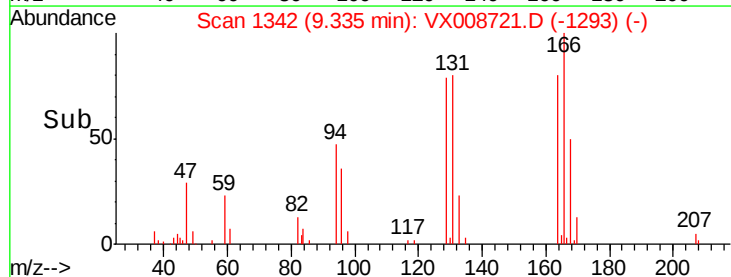
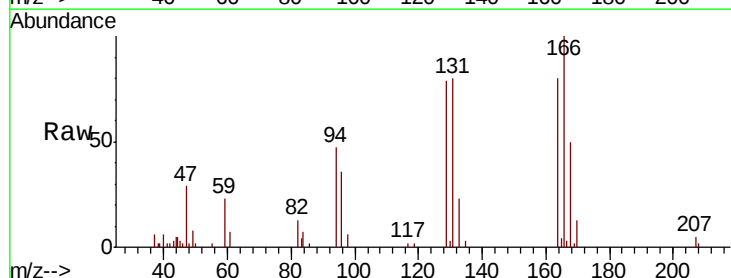
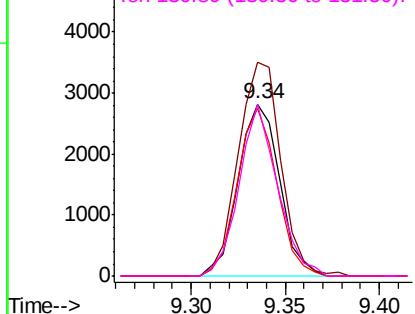
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

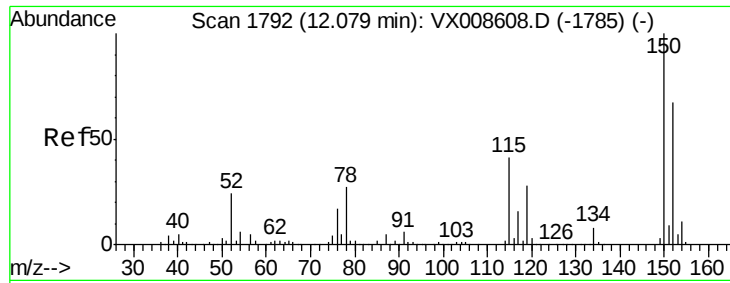


#64
Tetrachloroethene
Concen: 1.973 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008721.D
Acq: 06 Apr 2019 15:28

Tgt Ion:164 Resp: 4304
Ion Ratio Lower Upper
164 100
166 124.4 101.0 151.6
129 97.9 75.8 113.8
131 99.9 71.8 107.8

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# 1792

Delta R.T. -0.00 min

Lab File: VX008721.D

Acq: 06 Apr 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-190403

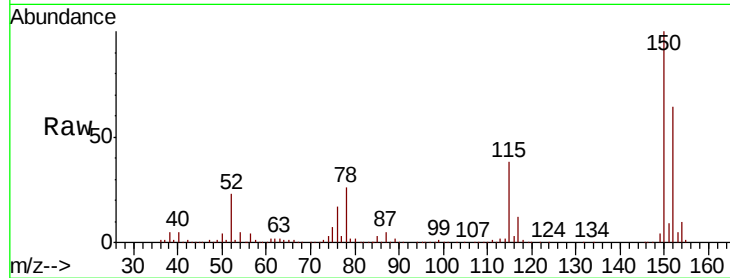
Tot Ion:152 Resp: 124717

Ion Ratio Lower Upper

152 100

115 60.4 43.5 130.5

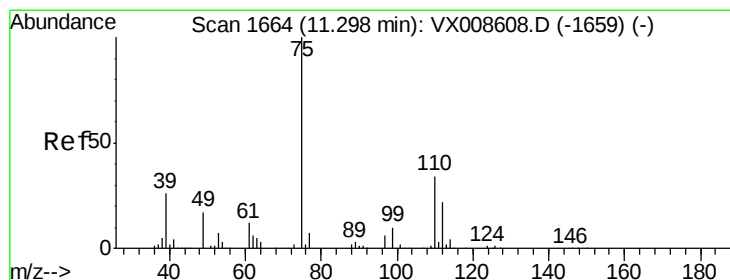
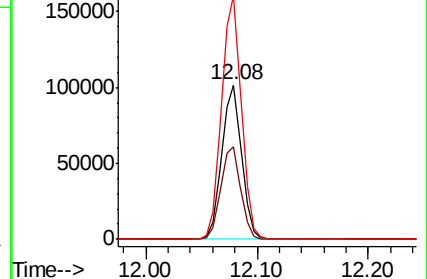
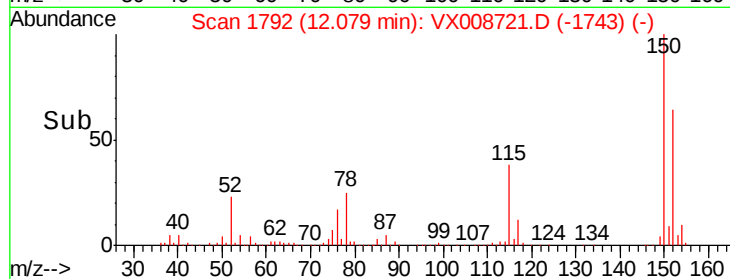
150 157.6 0.0 348.8



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: 21.236 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008721.D

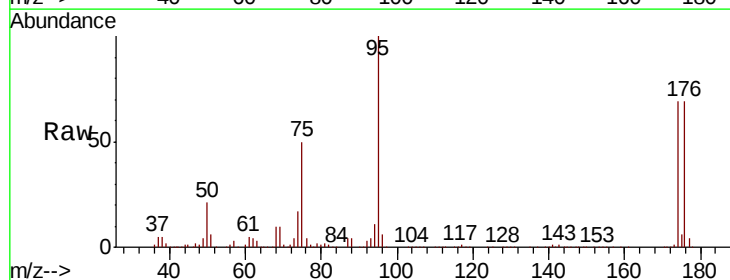
Acq: 06 Apr 2019 15:28

Tgt Ion: 75 Resp: 72757

Ion Ratio Lower Upper

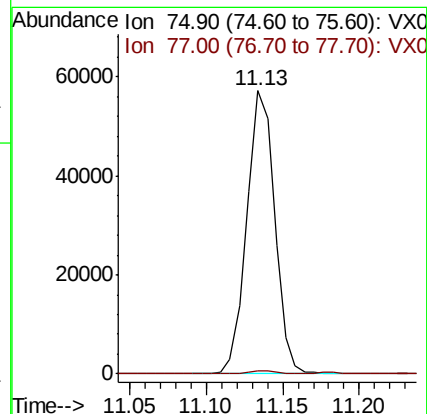
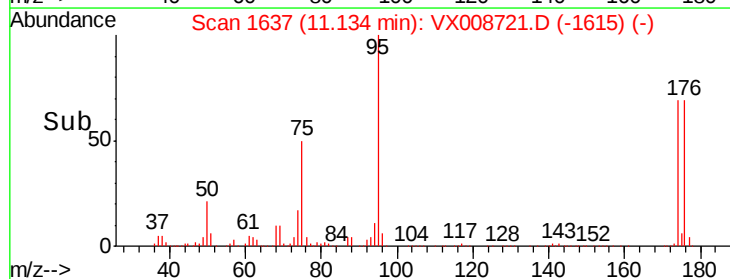
75 100

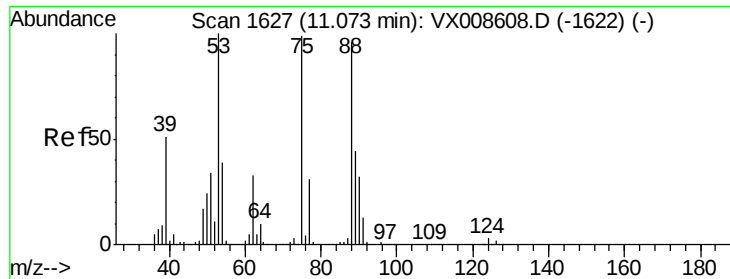
77 1.2 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

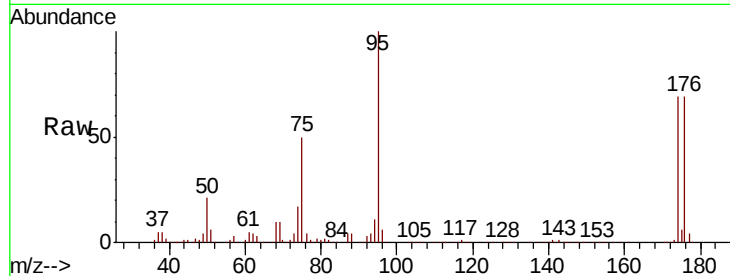




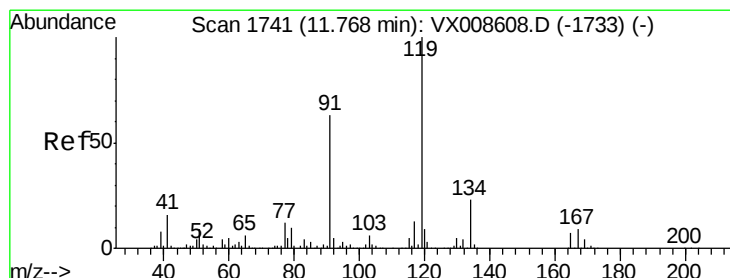
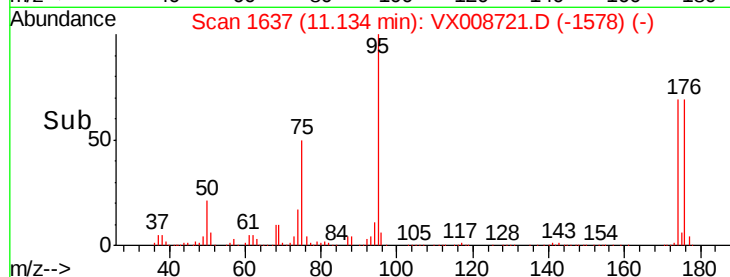
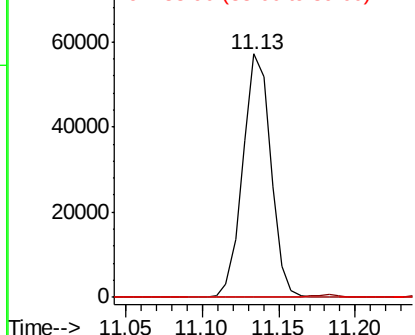
#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.538 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008721.D
 Acq: 06 Apr 2019 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-190403

Tot Ion: 75 Resp: 72757
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

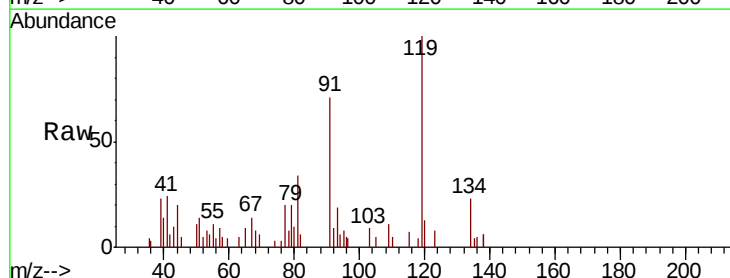


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 53.00 (52.70 to 53.70): VX0
 Ion 88.90 (88.60 to 89.60): VX0



#83
 tert-Butylbenzene
 Concen: 0.238 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008721.D
 Acq: 06 Apr 2019 15:28

Tgt Ion: 119 Resp: 1983
 Ion Ratio Lower Upper
 119 100
 91 80.2 30.0 90.1
 134 23.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

