

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031319\
 Data File : VX008052.D
 Acq On : 13 Mar 2019 16:36
 Operator : JC/SP
 Sample : K1689-01
 Misc : 5.70g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-07-030819

Quant Time: Mar 13 16:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

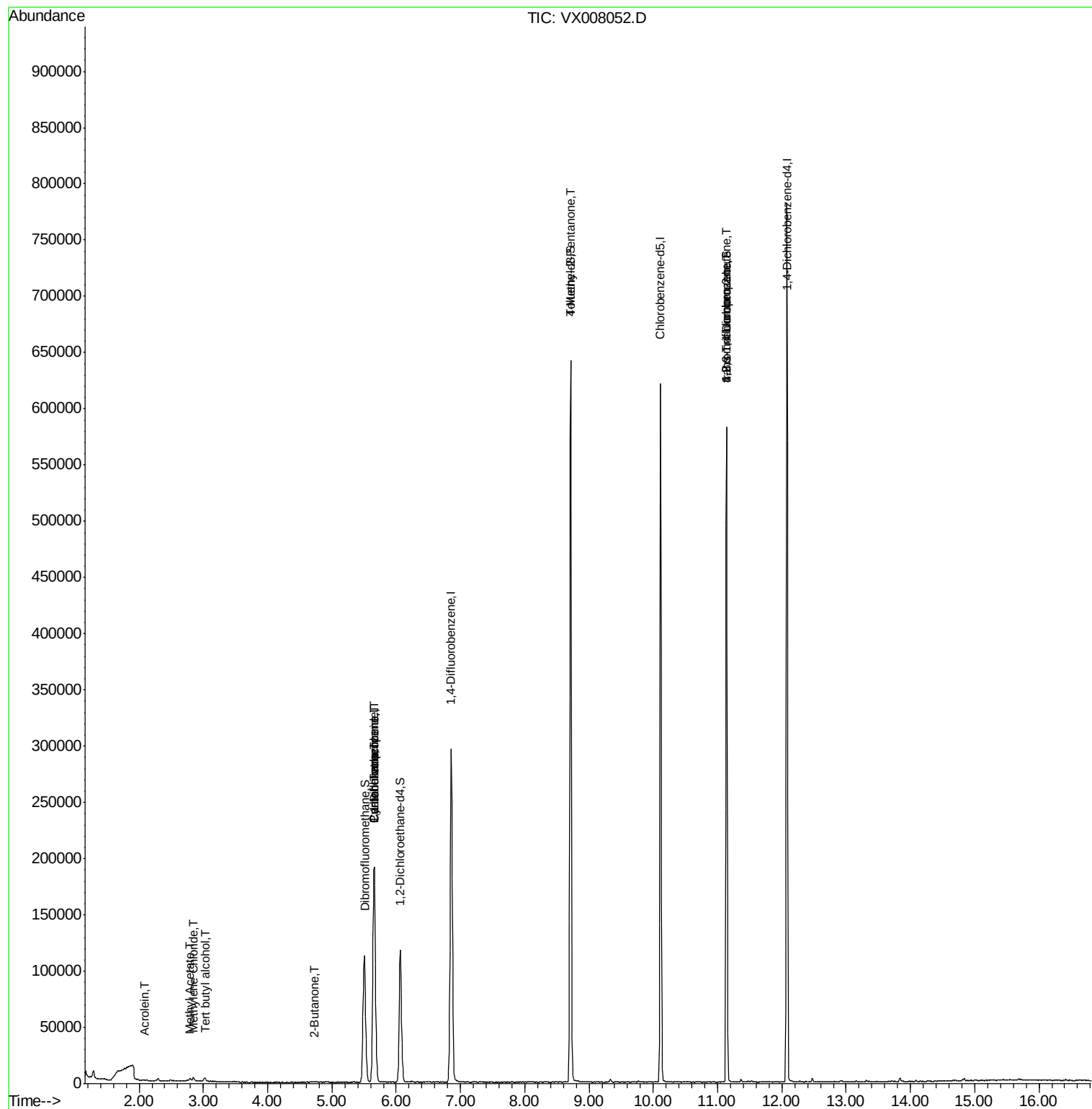
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	202868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	107283	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	5.51	113	97371	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	393193	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.14	95	155647	59.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.14%	
Target Compounds						
5) Bromomethane	1.64	94	552	Below Cal		91
11) Tert butyl alcohol	3.02	59	2145	4.482 ug/l #		73
13) Acrolein	2.08	56	23	1.626 ug/l #		67
17) Carbon Disulfide	2.53	76	400	Below Cal #		74
18) Methyl Acetate	2.79	43	1649	0.627 ug/l #		90
20) Methylene Chloride	2.84	84	1454	0.738 ug/l		94
25) 2-Butanone	4.73	43	422	0.241 ug/l #		50
31) Cyclohexane	5.66	56	3015	0.917 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	12435	4.293 ug/l #		49
38) Carbon Tetrachloride	5.66	117	17385	6.322 ug/l #		16
51) 4-Methyl-2-Pentanone	8.71	43	1592	0.487 ug/l #		1
76) 1,2,3-Trichloropropane	11.14	75	70221	19.624 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	70221	62.729 ug/l #		11

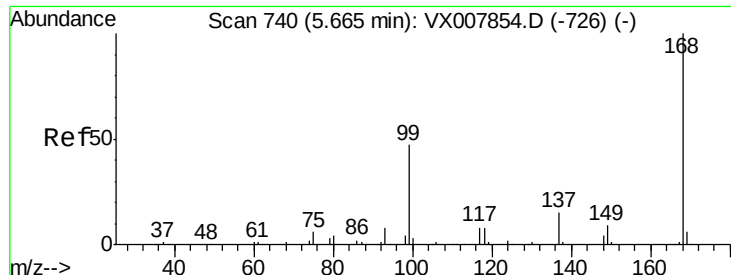
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

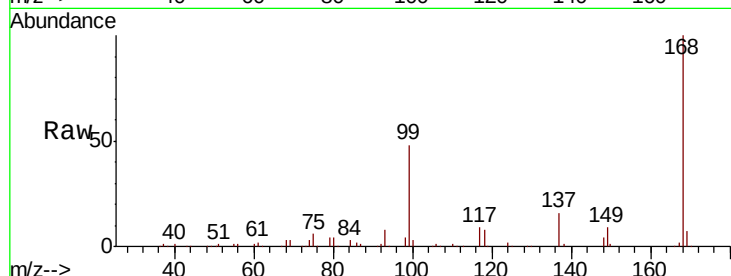
NB-07-030819

Tgt Ion: 168 Resp: 202868

Ion Ratio Lower Upper

168 100

99 48.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

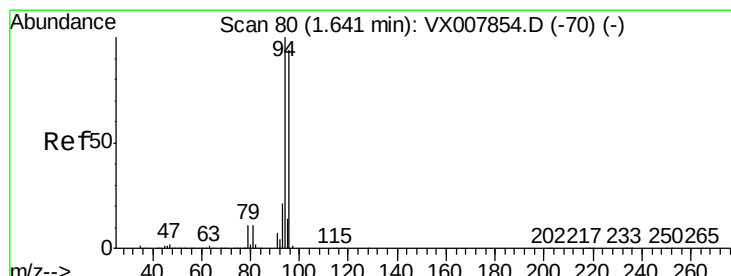
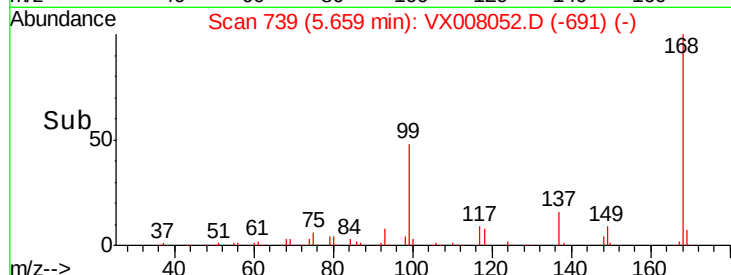
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008052.D

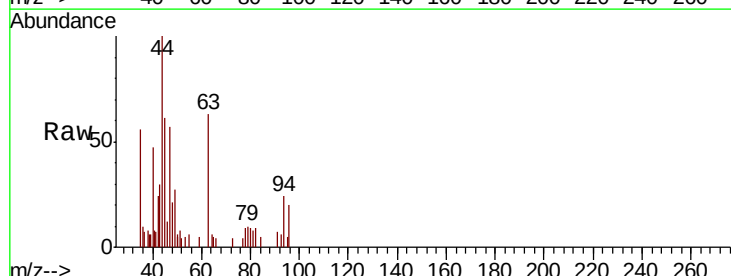
Acq: 13 Mar 2019 16:36

Tgt Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

96 86.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

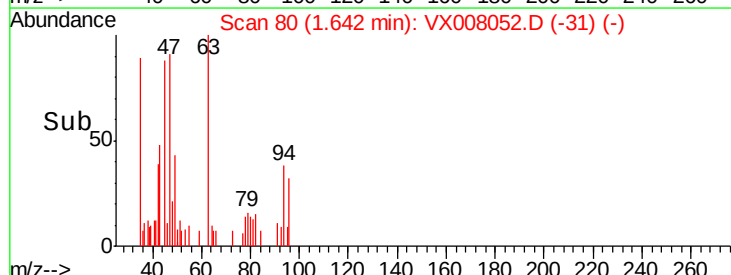
200

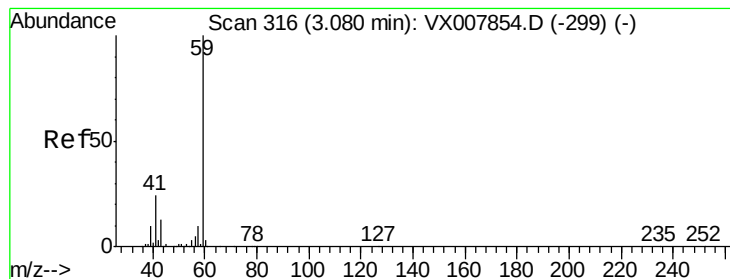
100

0

Time-->

1.60 1.65





#11

Tert butyl alcohol

Concen: 4.482 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

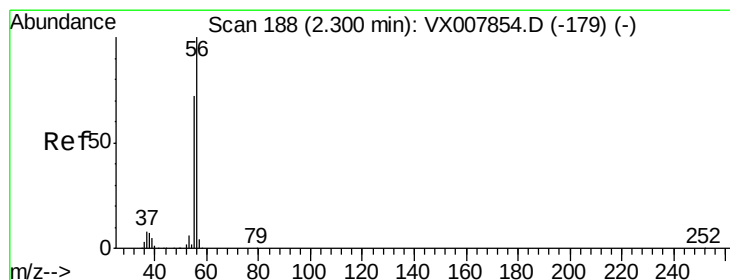
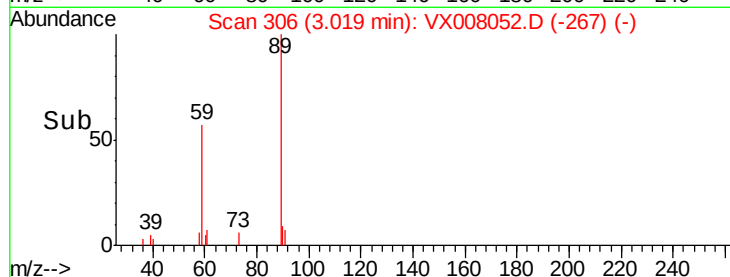
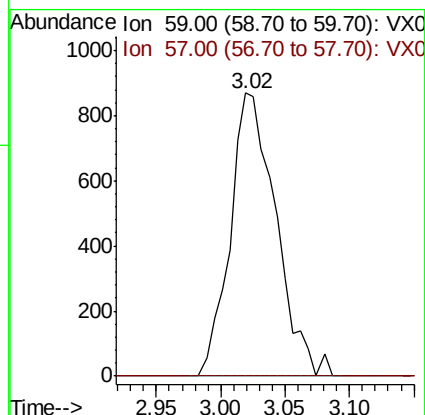
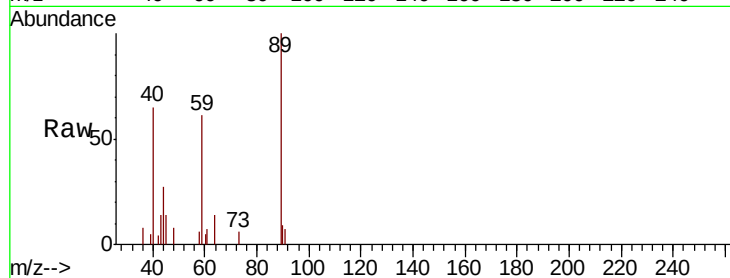
NB-07-030819

Tgt Ion: 59 Resp: 2145

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.626 ug/l

RT: 2.08 min Scan# 152

Delta R.T. -0.22 min

Lab File: VX008052.D

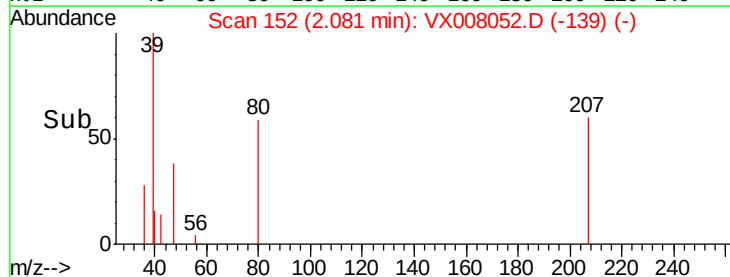
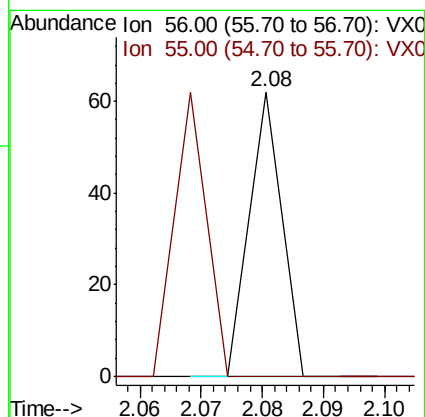
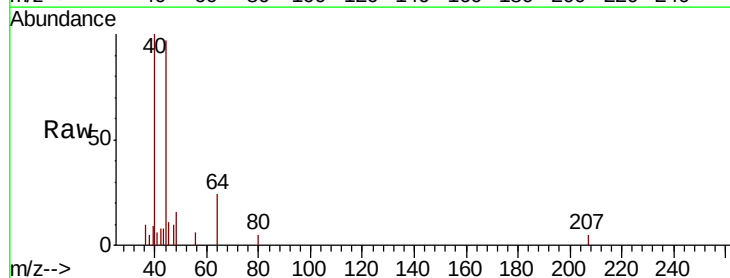
Acq: 13 Mar 2019 16:36

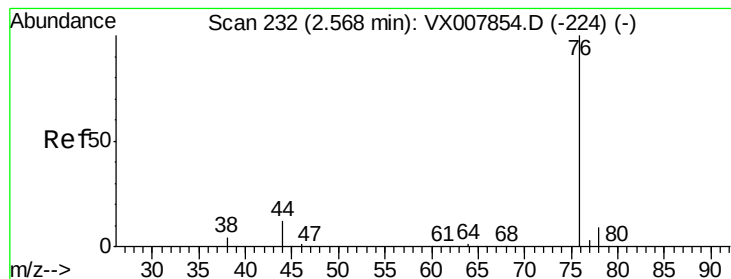
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 100.0 57.8 86.6#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.53 min Scan# 226

Delta R.T. -0.04 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

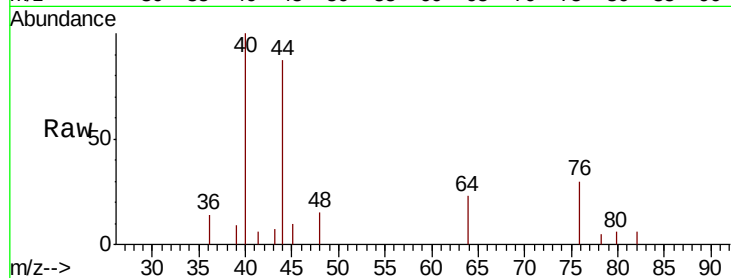
NB-07-030819

Tgt Ion: 76 Resp: 400

Ion Ratio Lower Upper

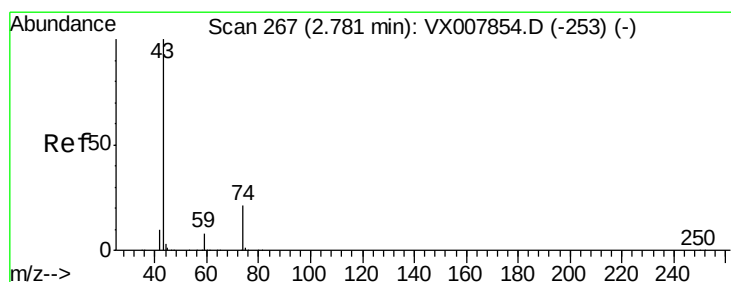
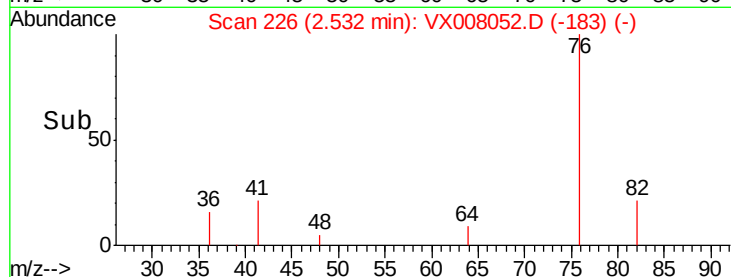
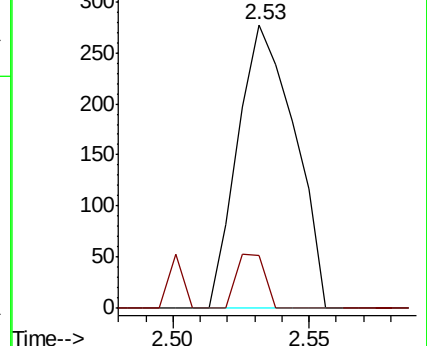
76 100

78 18.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.627 ug/l

RT: 2.79 min Scan# 269

Delta R.T. 0.01 min

Lab File: VX008052.D

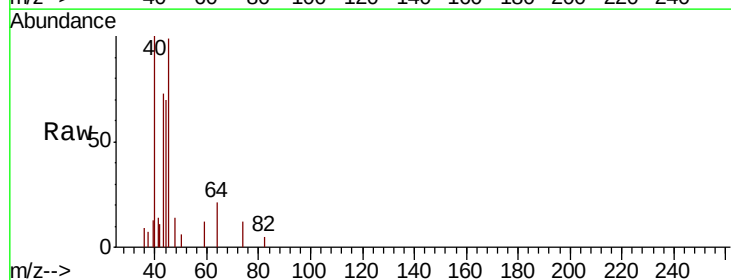
Acq: 13 Mar 2019 16:36

Tgt Ion: 43 Resp: 1649

Ion Ratio Lower Upper

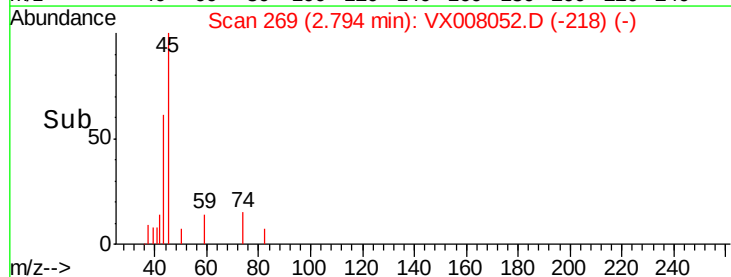
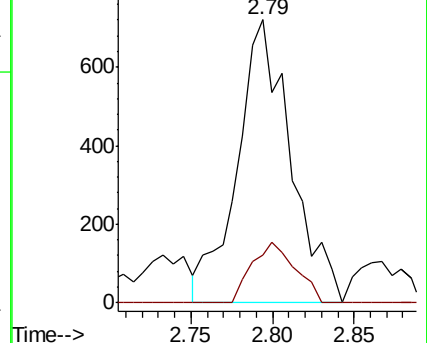
43 100

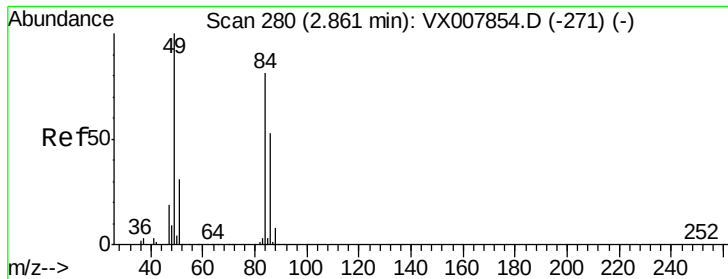
74 17.3 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

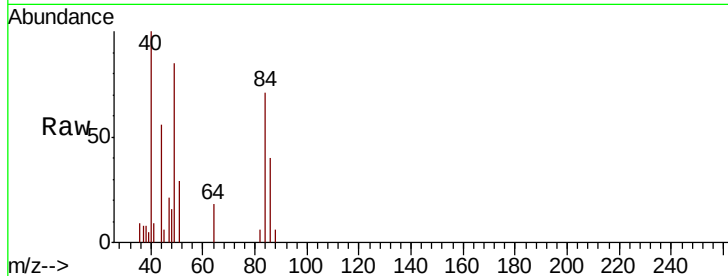




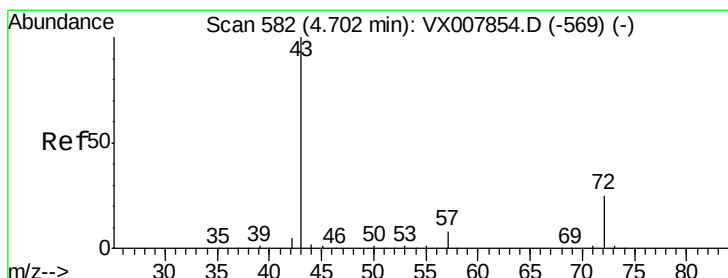
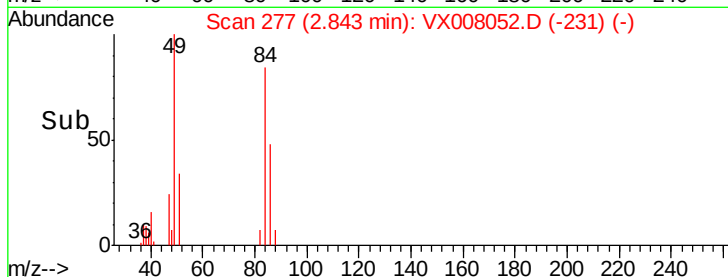
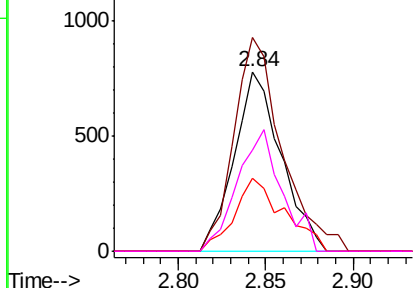
#20
Methylene Chloride
Concen: 0.738 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

Instrument :
MSVOA_X
ClientSampled :
NB-07-030819

Tgt Ion:	84	Resp:	1454
Ion	Ratio	Lower	Upper
84	100		
49	118.8	99.3	148.9
51	40.6	31.3	46.9
86	56.5	52.6	79.0

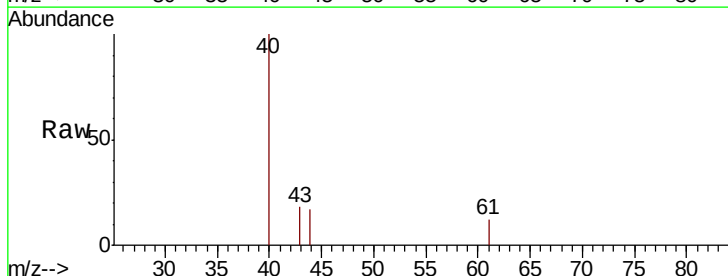


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

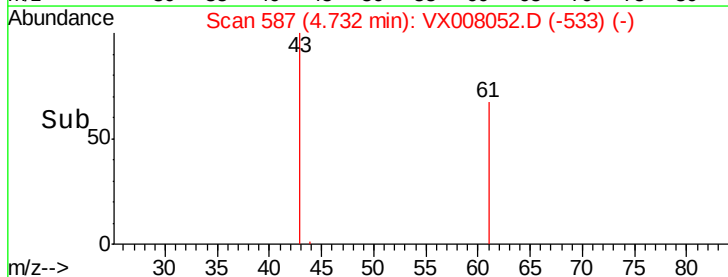
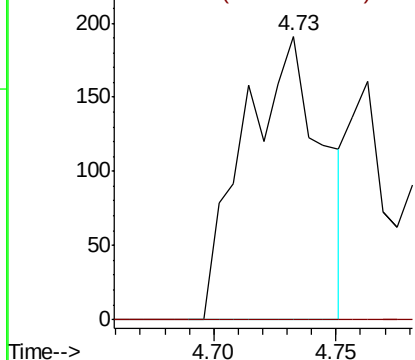


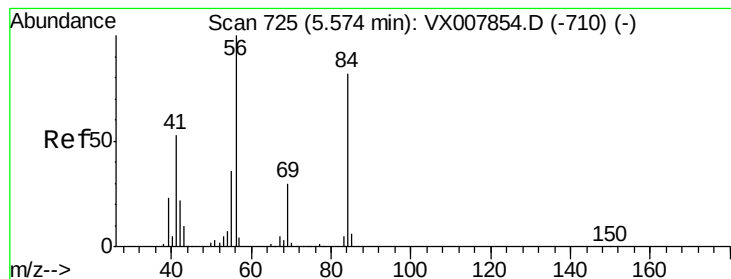
#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.73 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

Tgt Ion:	43	Resp:	422
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#



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





#31

Cyclohexane

Concen: 0.917 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

NB-07-030819

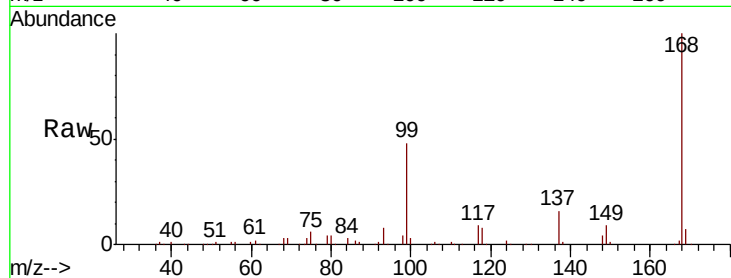
Tgt Ion: 56 Resp: 3015

Ion Ratio Lower Upper

56 100

69 208.5 24.0 36.0#

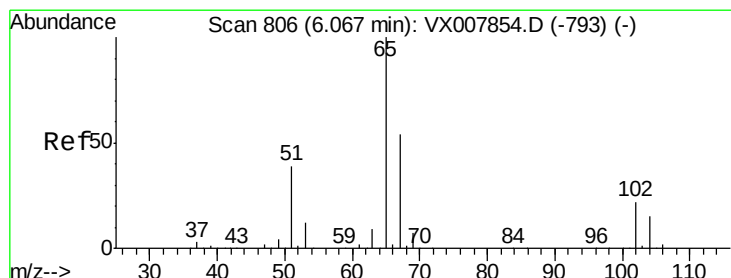
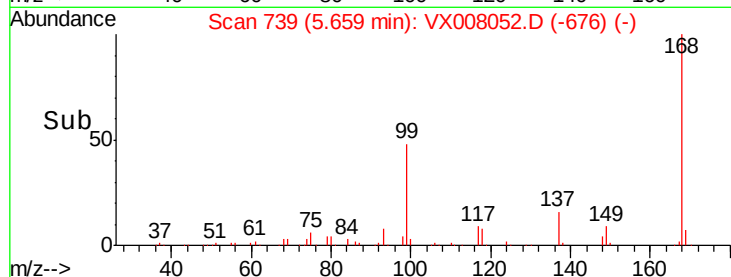
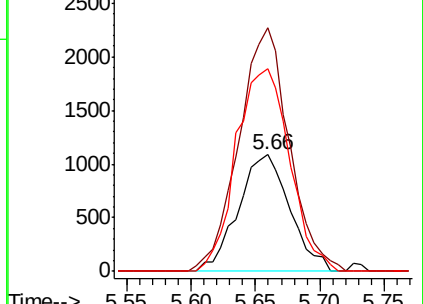
84 173.6 65.3 97.9#



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: 50.131 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008052.D

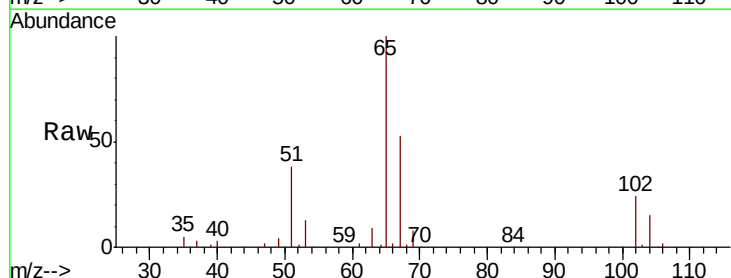
Acq: 13 Mar 2019 16:36

Tgt Ion: 65 Resp: 107283

Ion Ratio Lower Upper

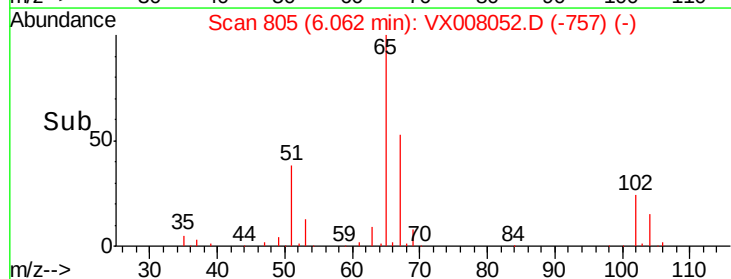
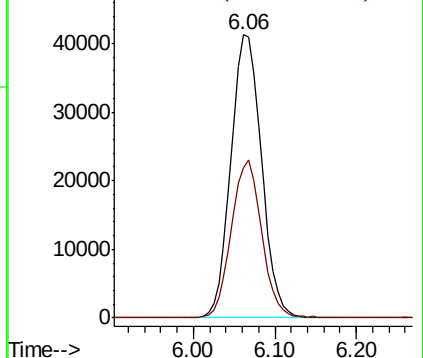
65 100

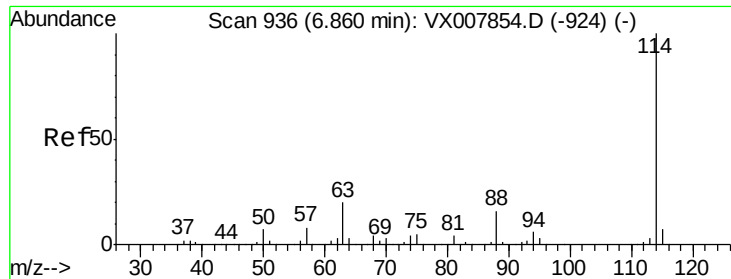
67 54.9 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

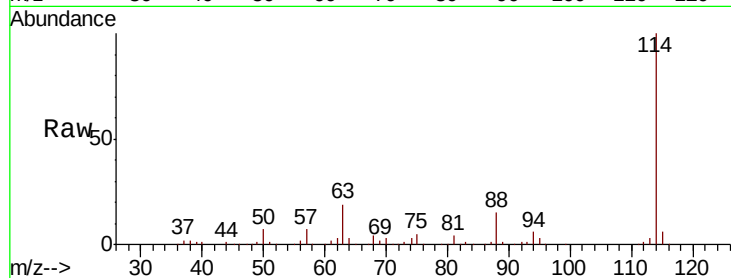




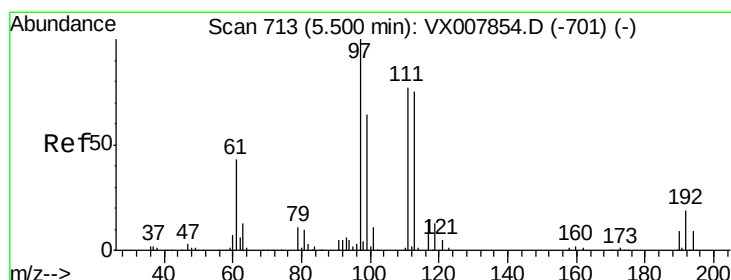
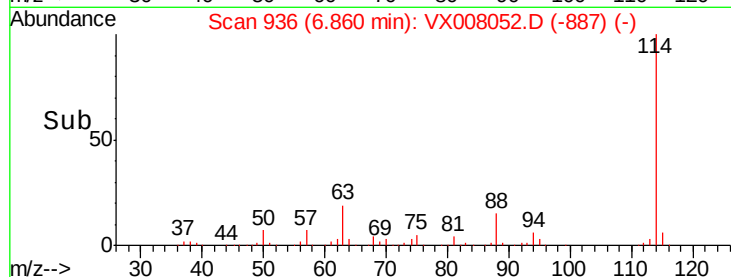
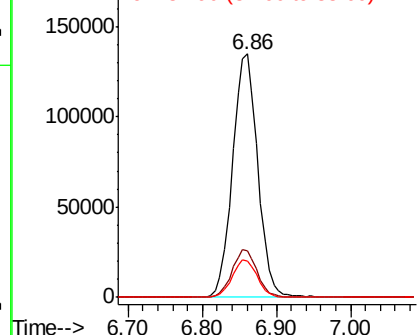
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

Instrument :
MSVOA_X
ClientSampleId :
NB-07-030819

Tgt Ion:114 Resp: 319905
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.8
88 15.1 0.0 31.4

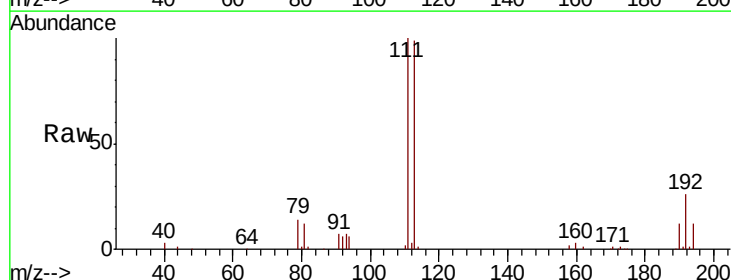


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

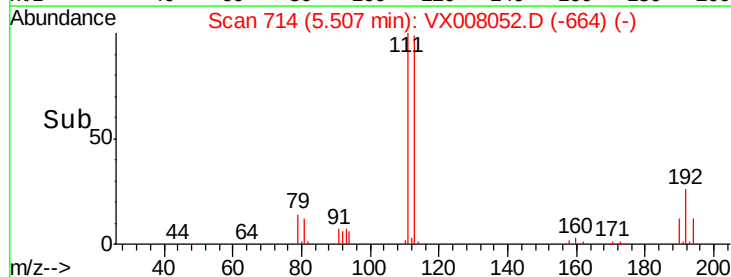
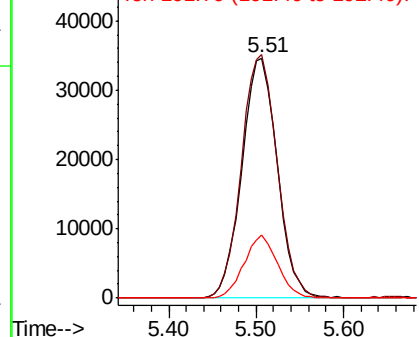


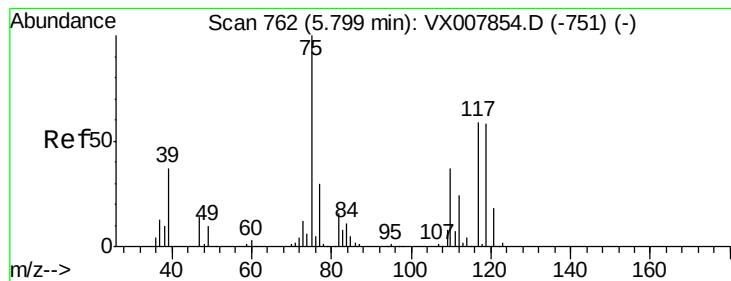
#35
Dibromofluoromethane
Concen: 47.583 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

Tgt Ion:113 Resp: 97371
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 24.8 19.4 29.0



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: 4.293 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

NB-07-030819

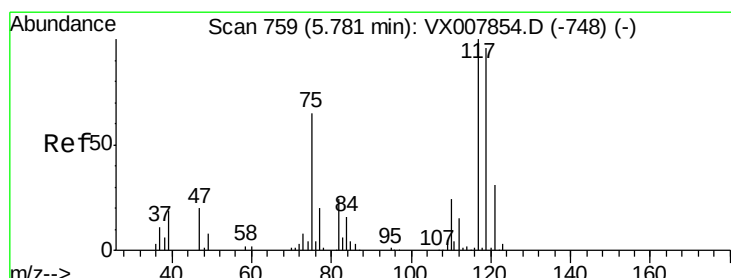
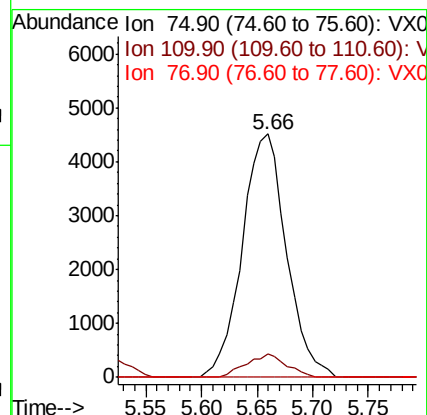
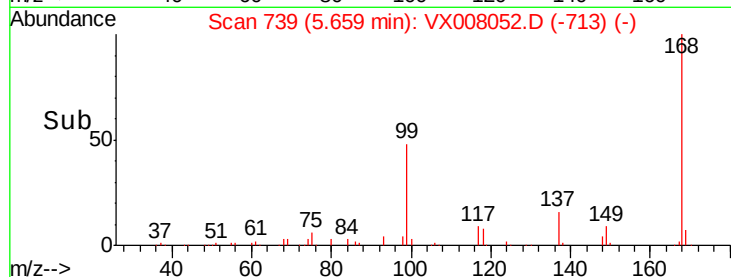
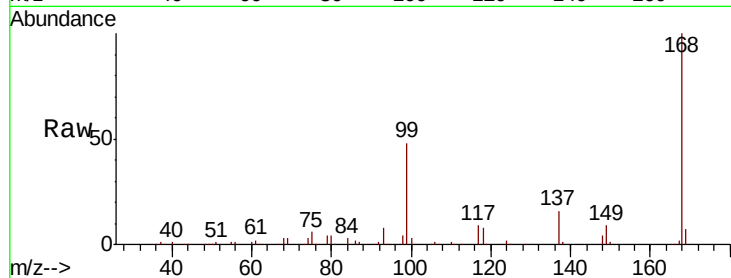
Tgt Ion: 75 Resp: 12435

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.322 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

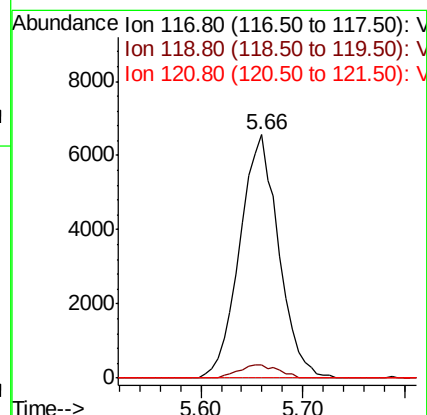
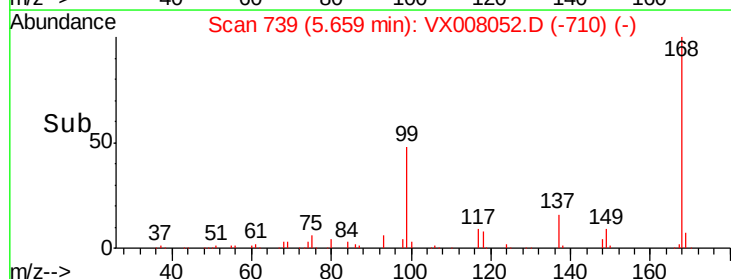
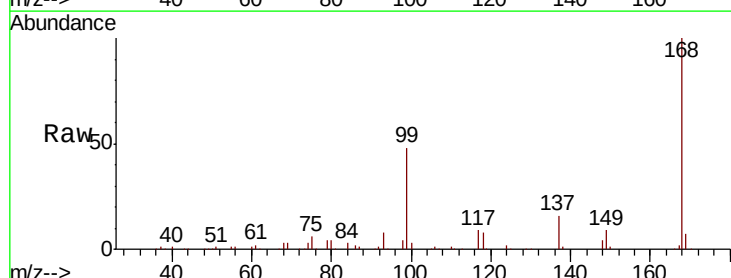
Tgt Ion: 117 Resp: 17385

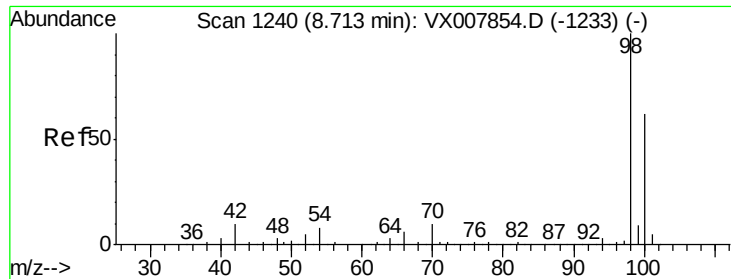
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

121 0.0 24.6 36.8#

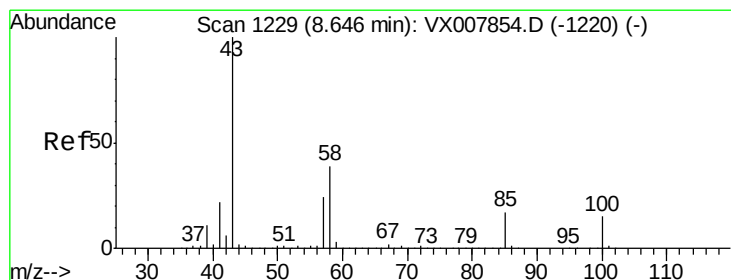
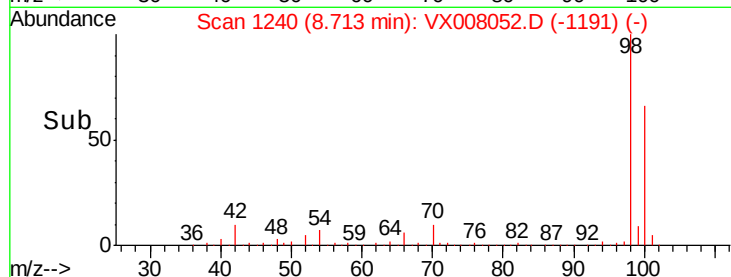
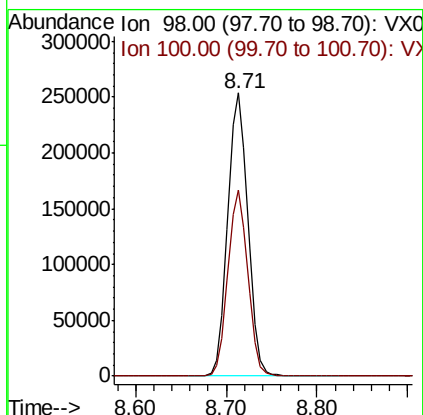
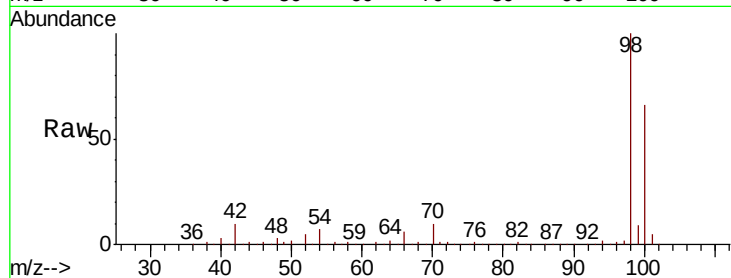




#50
Toluene-d8
Concen: 52.319 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

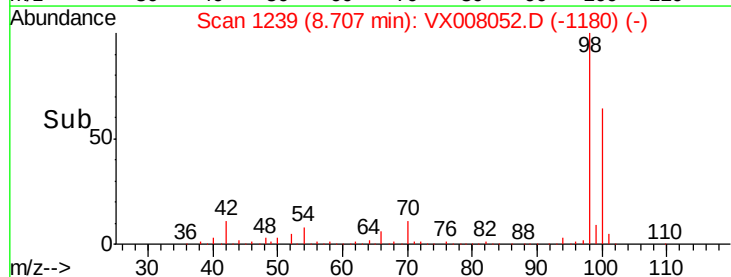
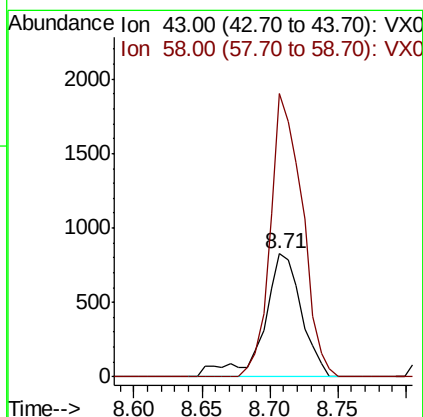
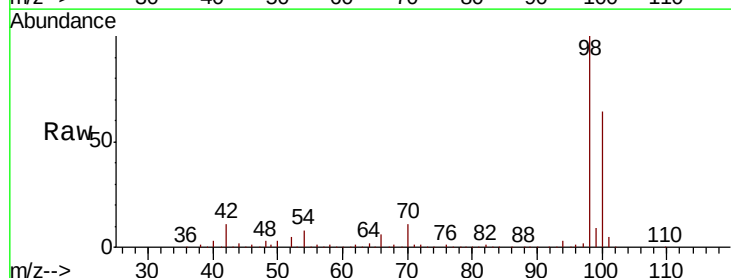
Instrument :
MSVOA_X
ClientSampled :
NB-07-030819

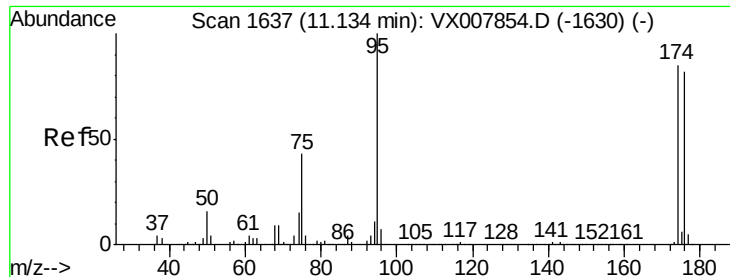
Tgt Ion: 98 Resp: 393193
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.06 min
Lab File: VX008052.D
Acq: 13 Mar 2019 16:36

Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 194.8 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 59.072 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

NB-07-030819

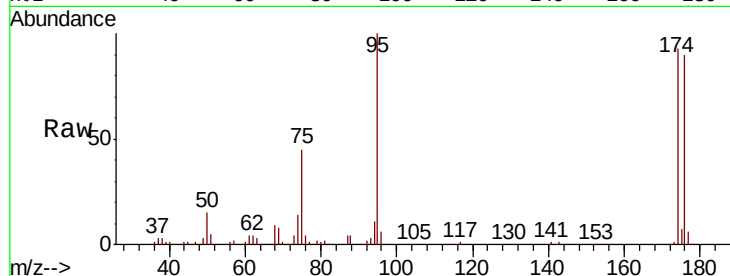
Tgt Ion: 95 Resp: 155647

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

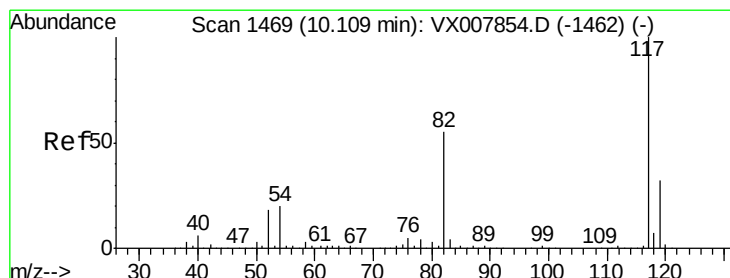
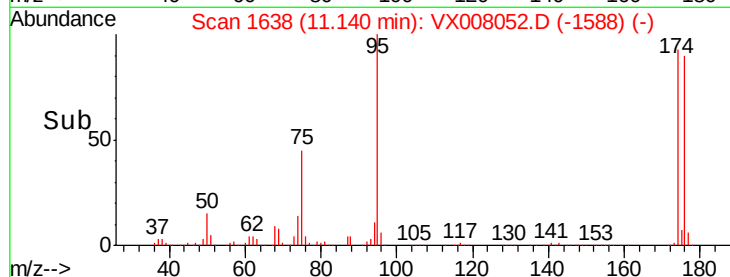
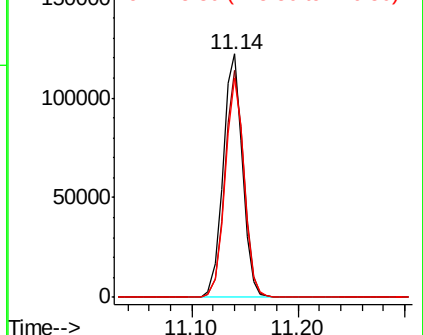
176 88.4 0.0 178.0



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

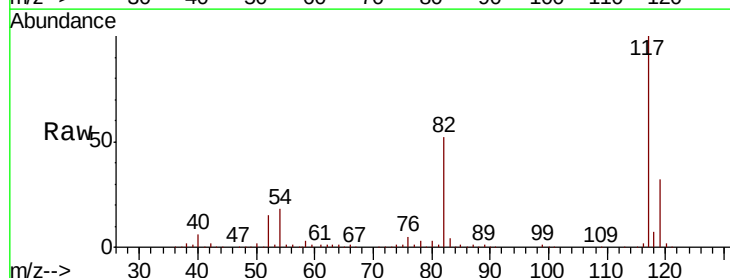
Tgt Ion: 117 Resp: 311263

Ion Ratio Lower Upper

117 100

82 52.1 44.3 66.5

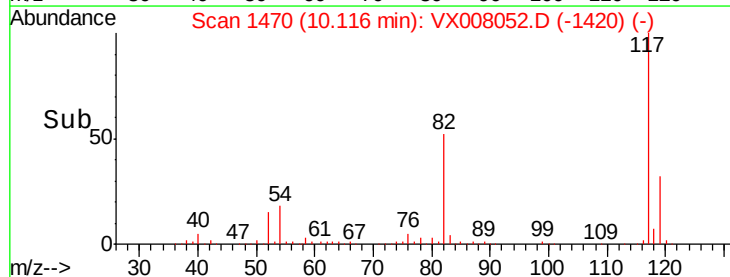
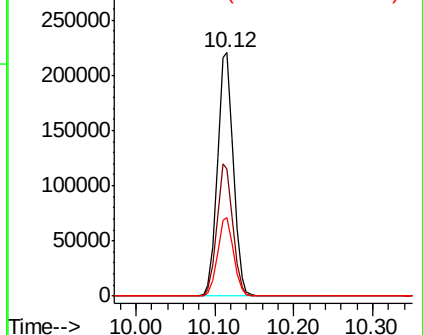
119 32.2 25.3 37.9

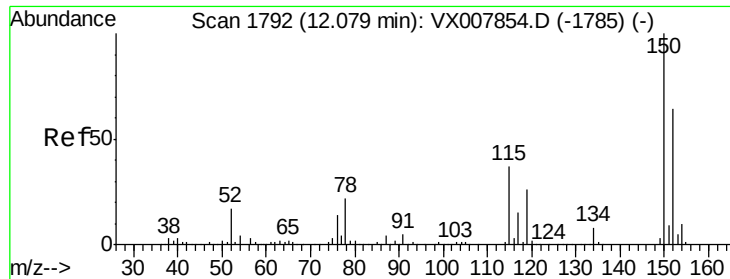


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

NB-07-030819

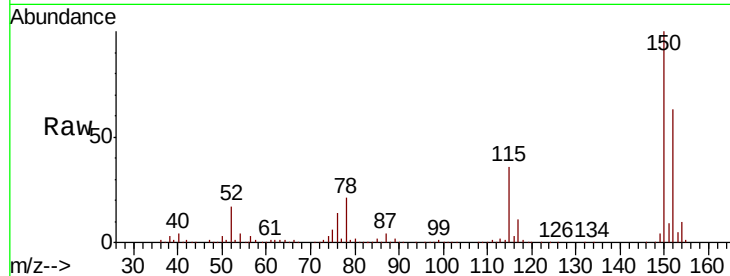
Tgt Ion:152 Resp: 170521

Ion Ratio Lower Upper

152 100

115 55.4 38.6 115.7

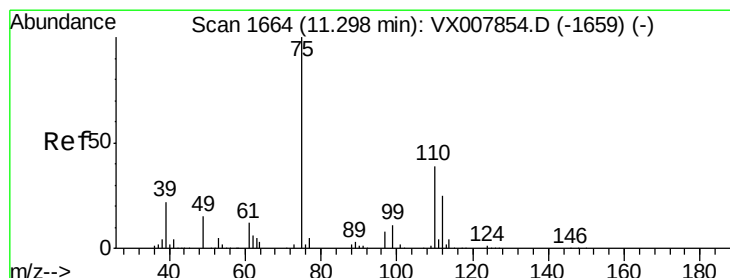
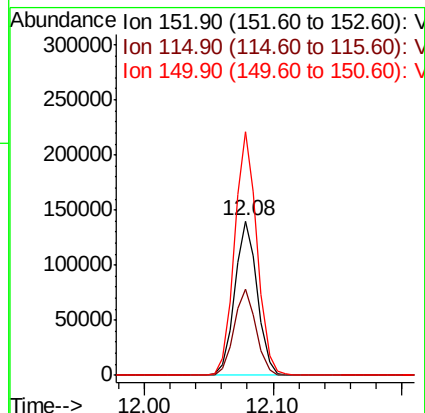
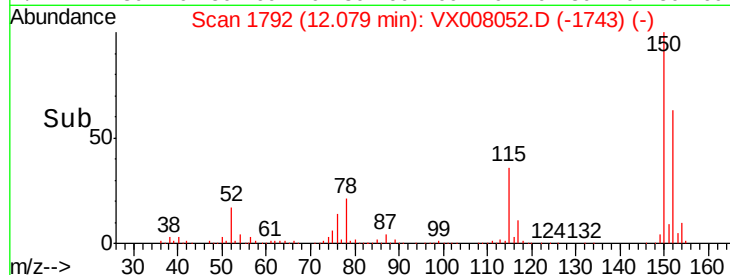
150 157.5 0.0 348.4



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: 19.624 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008052.D

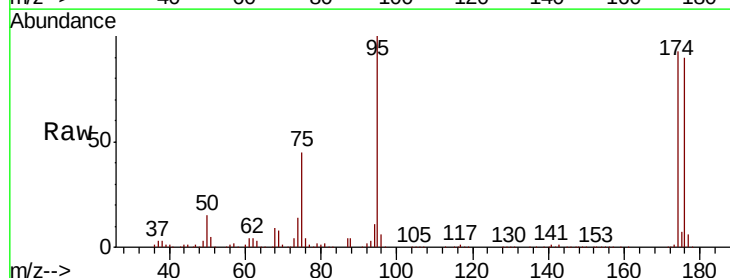
Acq: 13 Mar 2019 16:36

Tgt Ion: 75 Resp: 70221

Ion Ratio Lower Upper

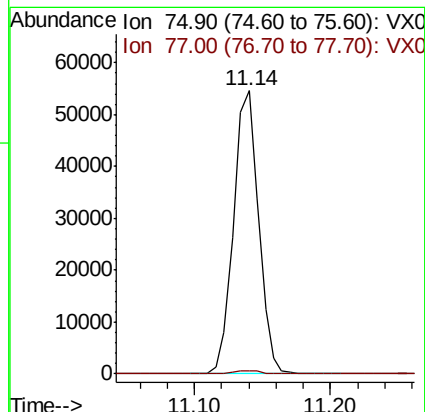
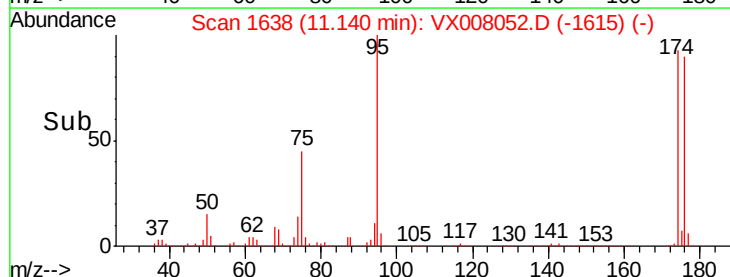
75 100

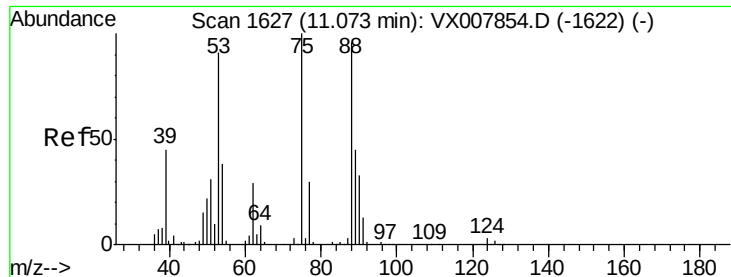
77 1.3 18.9 56.7#



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: 62.729 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008052.D

Acq: 13 Mar 2019 16:36

Instrument :

MSVOA_X

ClientSampleId :

NB-07-030819

Tgt Ion: 75 Resp: 70221

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

