

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012821.D
 Acq On : 04 Oct 2019 18:55
 Operator : JC/SP
 Sample : K5189-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-DUP07-20191001

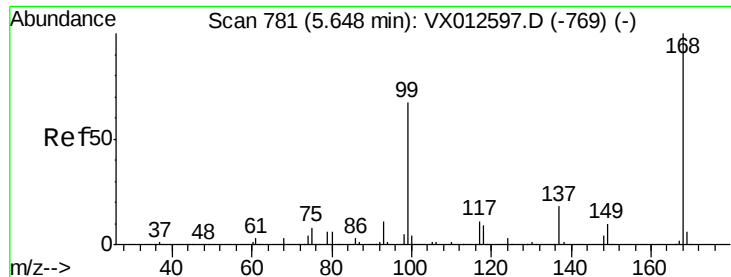
Quant Time: Oct 05 04:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118171	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	5.49	113	91767	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	8.71	98	355417	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.13	95	118484	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1272	0.559	ug/l #	87
5) Bromomethane	1.64	94	204	0.229	ug/l	98
6) Chloroethane	1.62	64	1196	0.784	ug/l #	45
11) Tert butyl alcohol	3.03	59	1350	2.107	ug/l #	77
13) Acrolein	2.30	56	23	10.295	ug/l #	15
16) Acetone	2.43	43	5574	4.102	ug/l #	86
18) Methyl Acetate	2.59	43	22027	6.885	ug/l #	54
31) Cyclohexane	5.65	56	4162	1.166	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14988	5.159	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18365	6.223	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1555	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59821	23.590	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	59821	67.605	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012821.D

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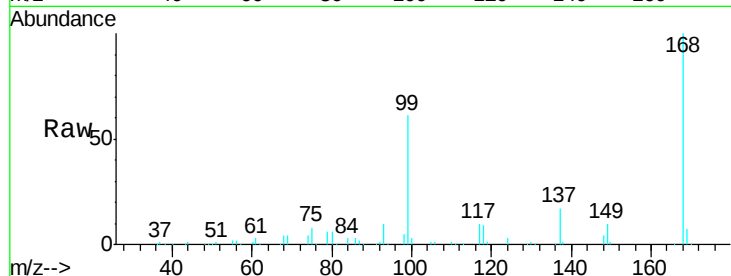
FC-DUP07-20191001

Tgt Ion:168 Resp: 176161

Ion Ratio Lower Upper

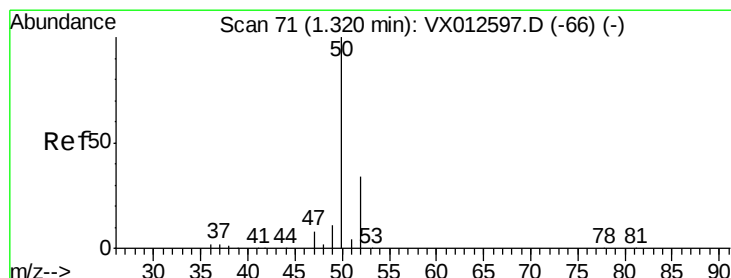
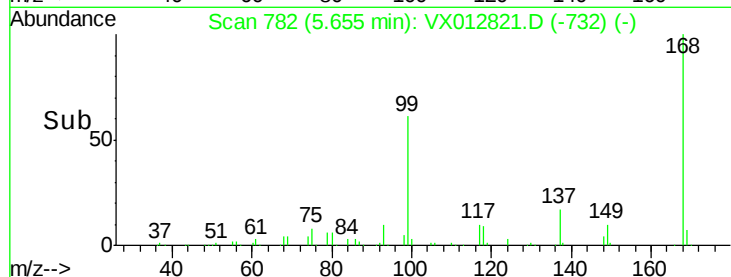
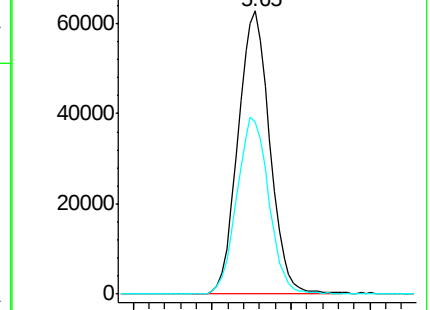
168 100

99 60.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012821.D

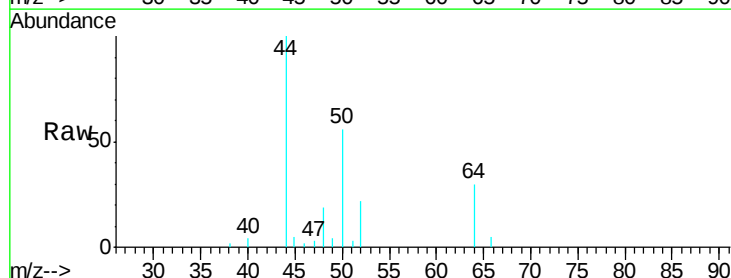
Acq: 04 Oct 2019 18:55

Tgt Ion: 50 Resp: 1272

Ion Ratio Lower Upper

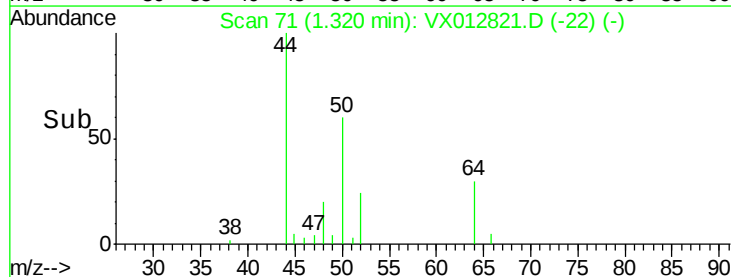
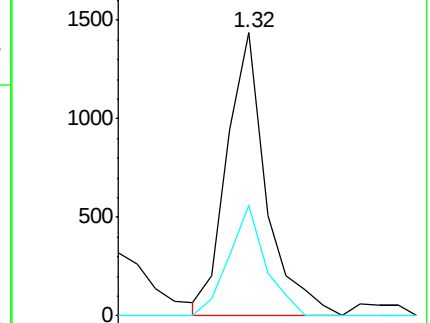
50 100

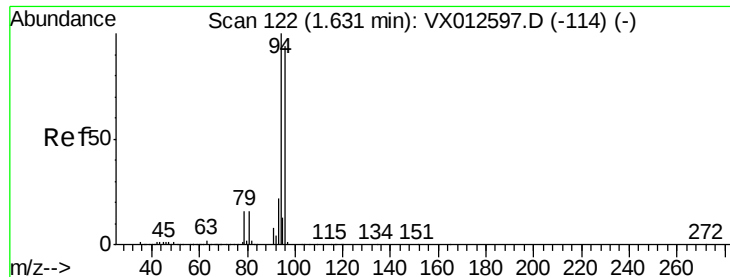
52 39.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

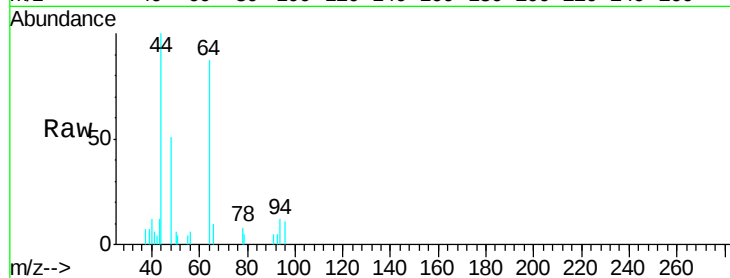
FC-DUP07-20191001

Tgt Ion: 94 Resp: 204

Ion Ratio Lower Upper

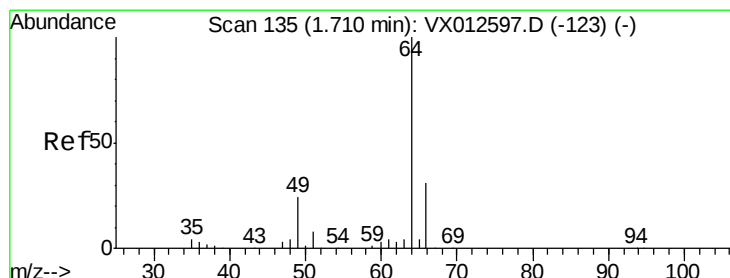
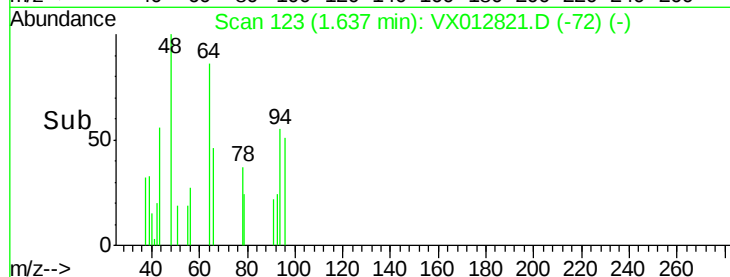
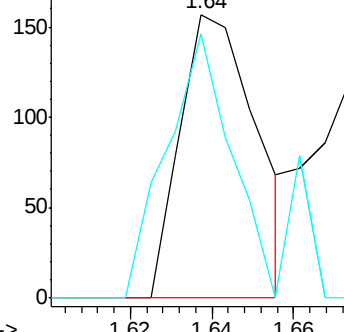
94 100

96 93.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.784 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.09 min

Lab File: VX012821.D

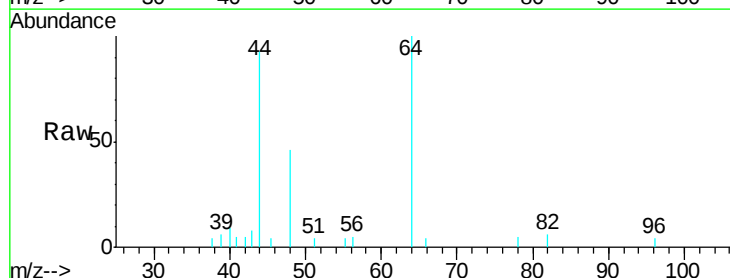
Acq: 04 Oct 2019 18:55

Tgt Ion: 64 Resp: 1196

Ion Ratio Lower Upper

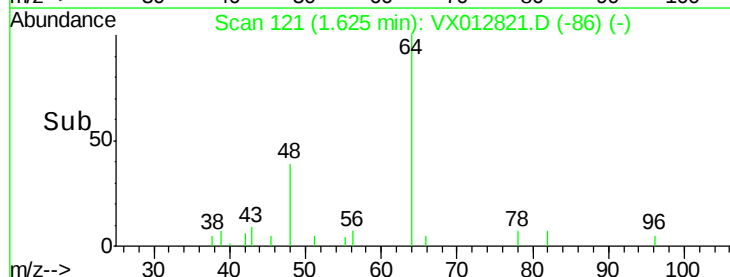
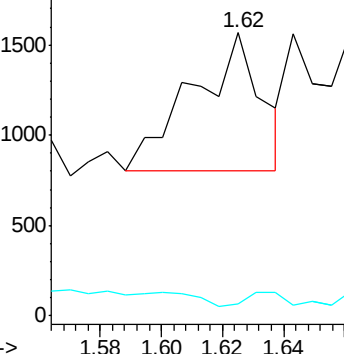
64 100

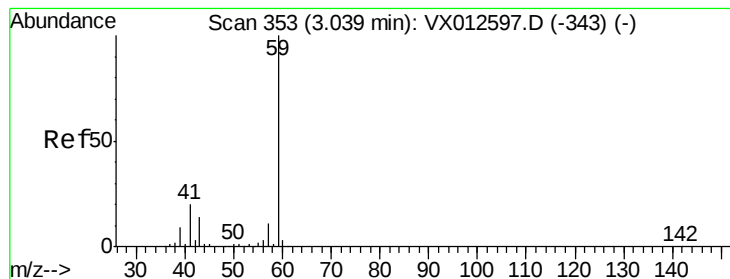
66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



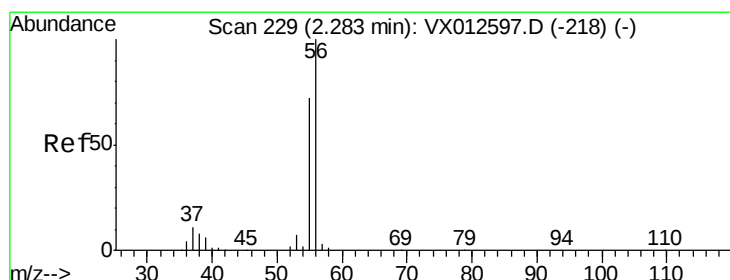
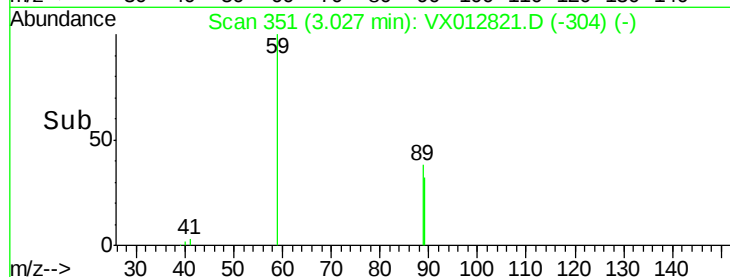
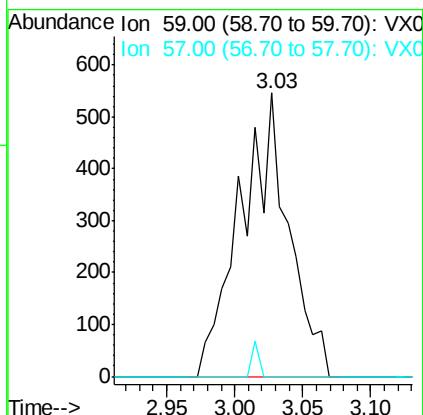
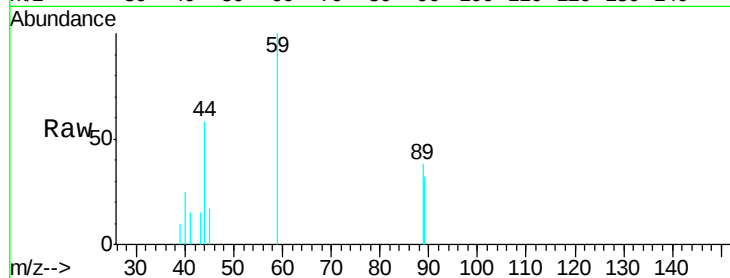


#11

Tert butyl alcohol
 Concen: 2.107 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-DUP07-20191001

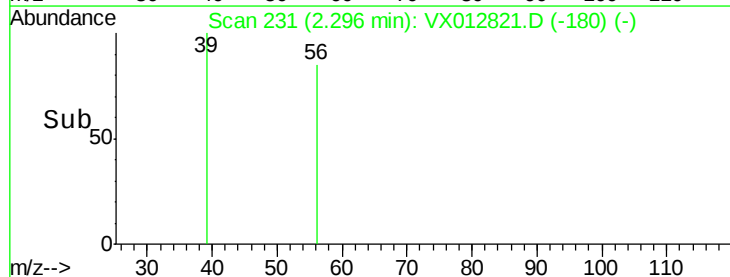
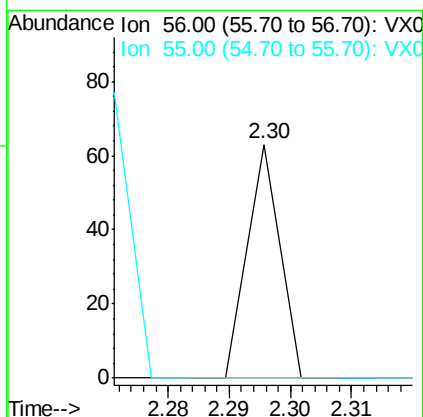
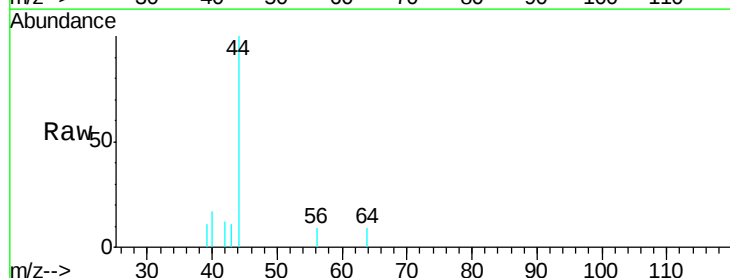
Tgt Ion: 59 Resp: 1350
 Ion Ratio Lower Upper
 59 100
 57 1.9 8.3 12.5#

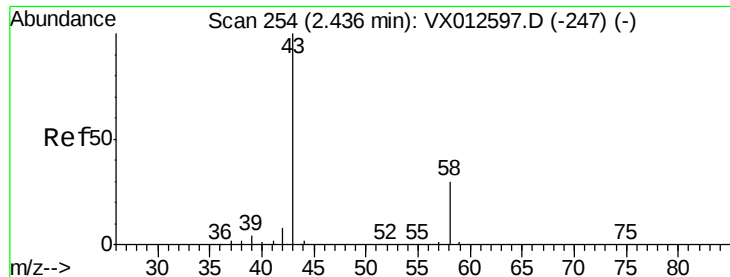


#13

Acrolein
 Concen: 10.295 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

Tgt Ion: 56 Resp: 23
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 4.102 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

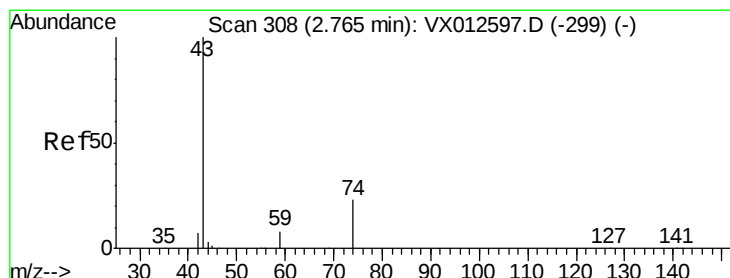
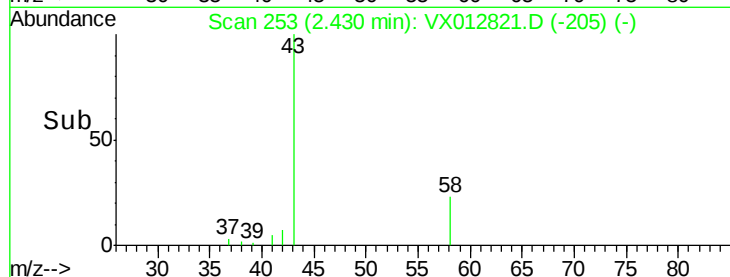
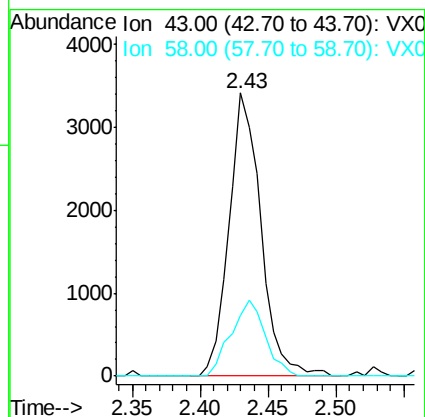
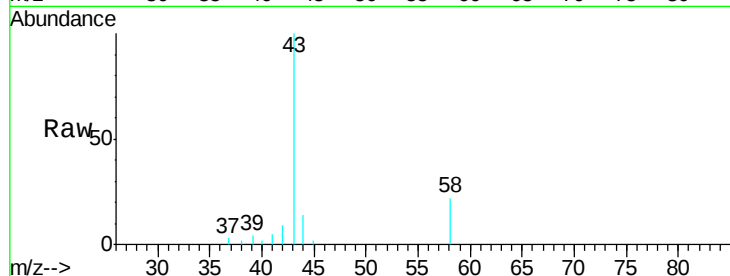
FC-DUP07-20191001

Tgt Ion: 43 Resp: 5574

Ion Ratio Lower Upper

43 100

58 21.6 23.3 34.9#



#18

Methyl Acetate

Concen: 6.885 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012821.D

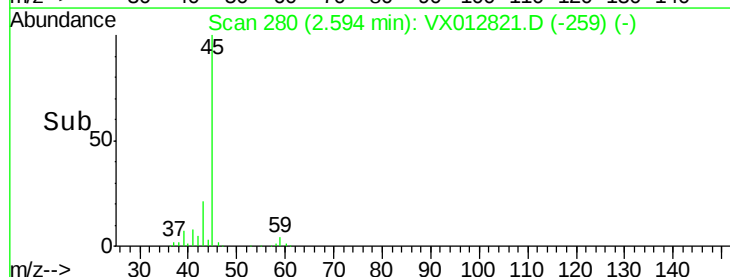
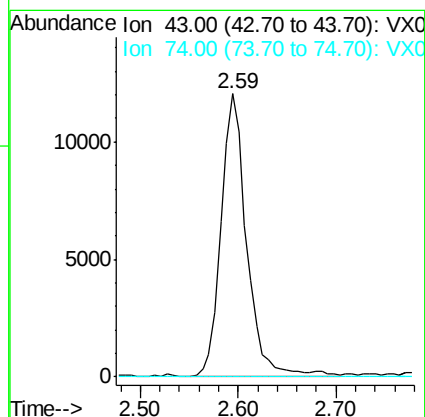
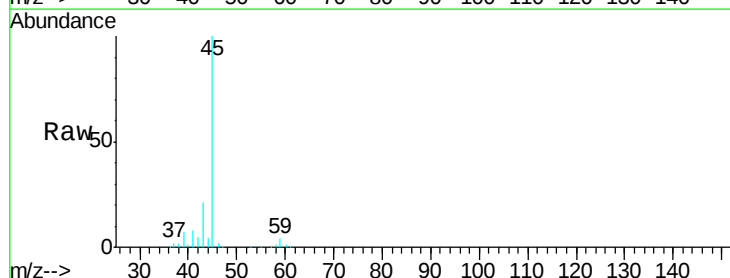
Acq: 04 Oct 2019 18:55

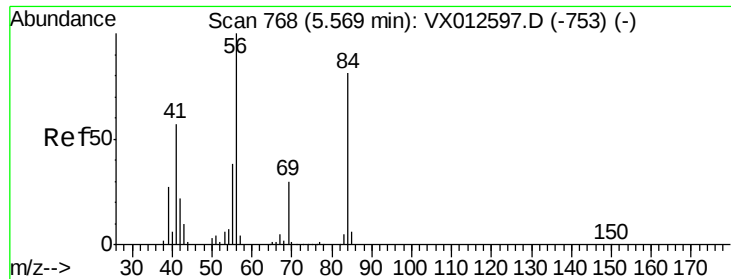
Tgt Ion: 43 Resp: 22027

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

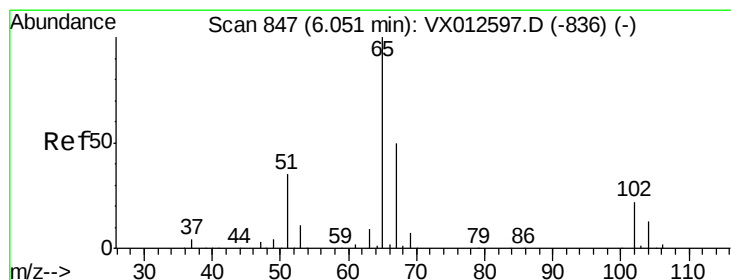
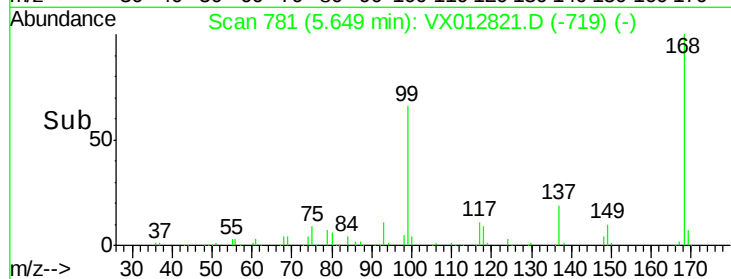
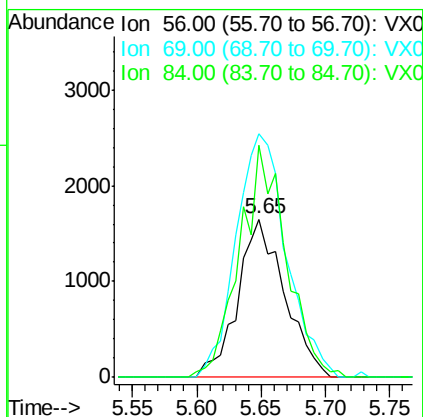
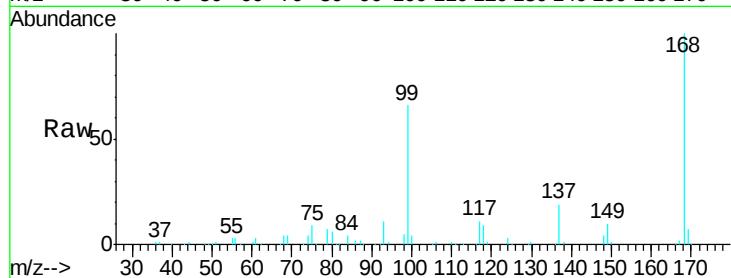




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012821.D
Acq: 04 Oct 2019 18:55

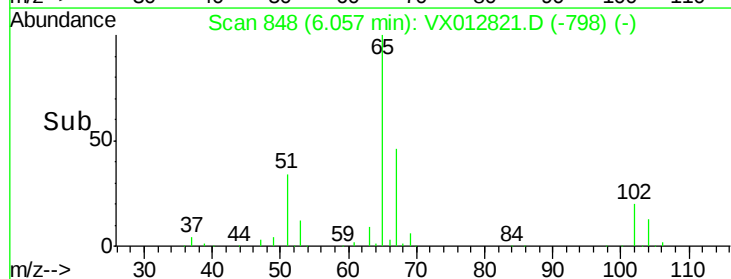
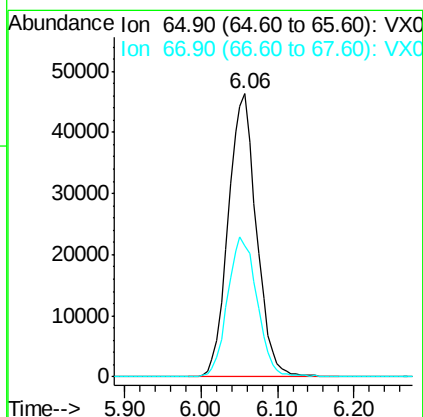
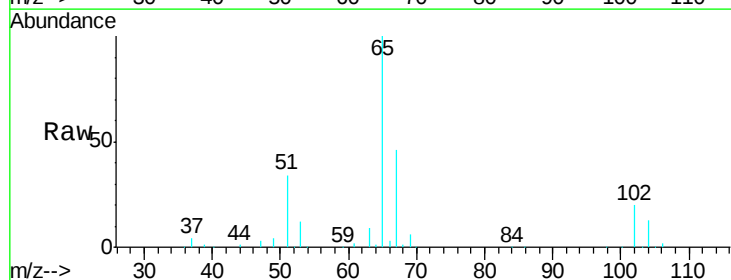
Instrument :
MSVOA_X
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FC-DUP07-20191001

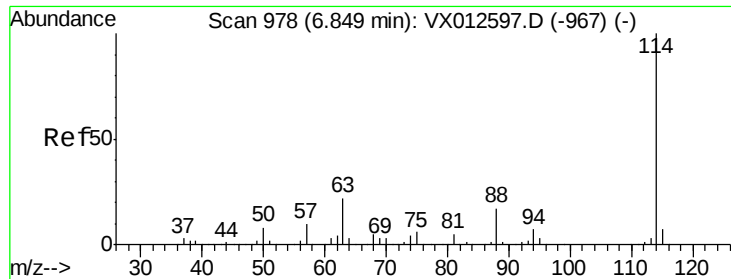
Tgt Ion: 56 Resp: 4162
Ion Ratio Lower Upper
56 100
69 154.1 25.0 37.6#
84 146.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.066 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012821.D
Acq: 04 Oct 2019 18:55

Tgt Ion: 65 Resp: 118171
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.2

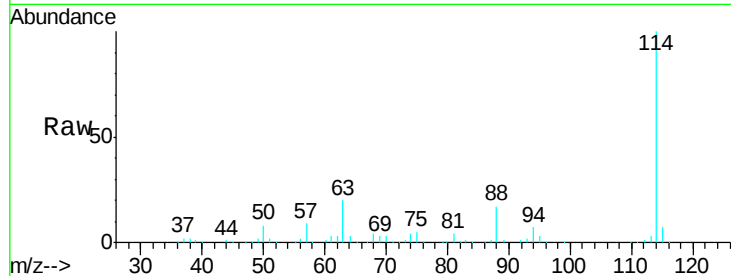




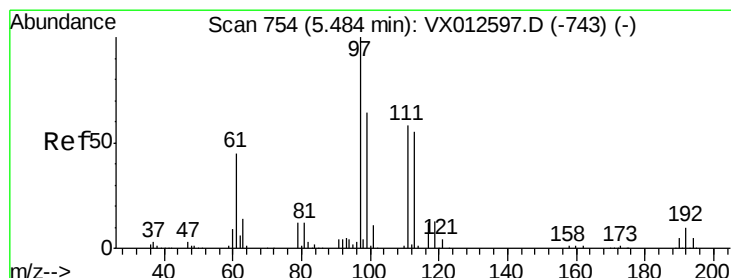
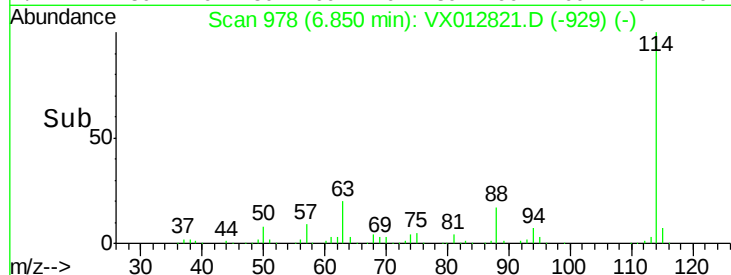
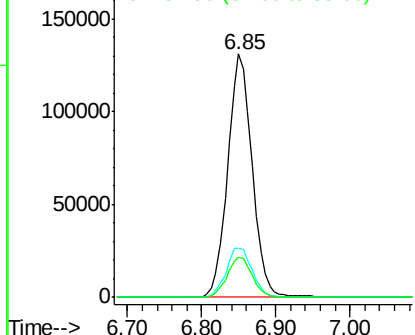
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-DUP07-20191001

Tgt Ion:114 Resp: 301424
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.2
 88 16.7 0.0 33.2

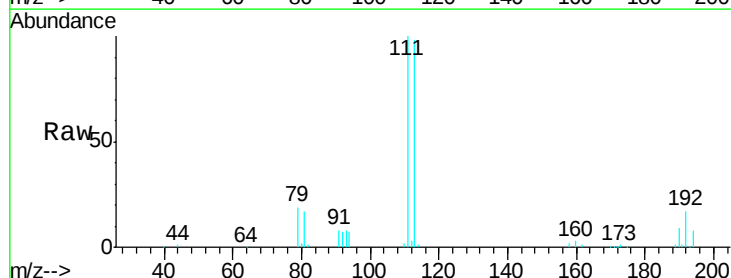


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

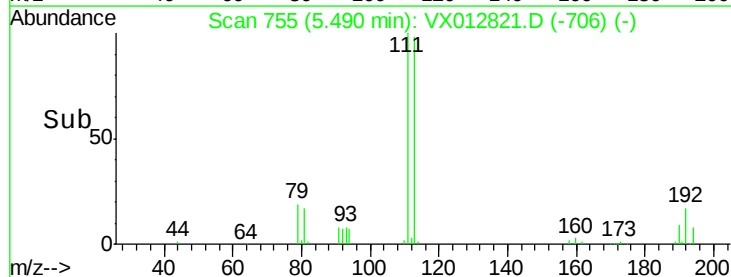
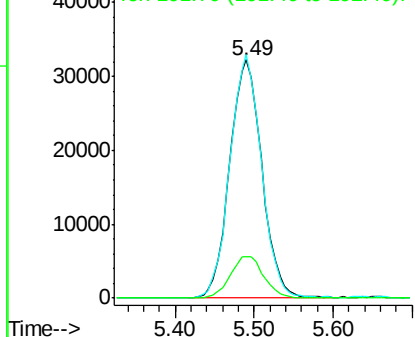


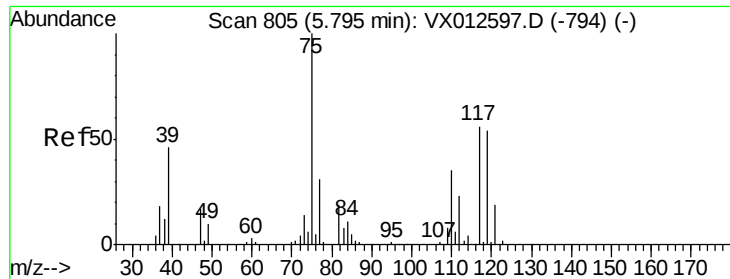
#35
 Dibromofluoromethane
 Concen: 51.121 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

Tgt Ion:113 Resp: 91767
 Ion Ratio Lower Upper
 113 100
 111 100.1 83.4 125.2
 192 18.2 14.4 21.6



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

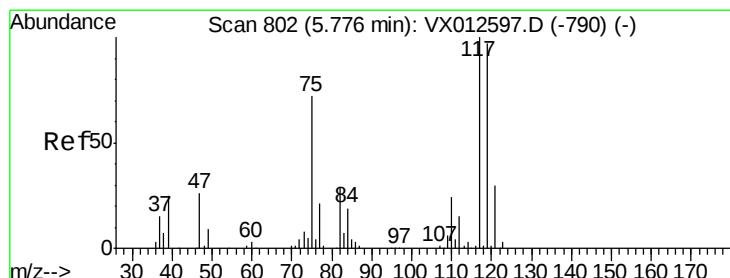
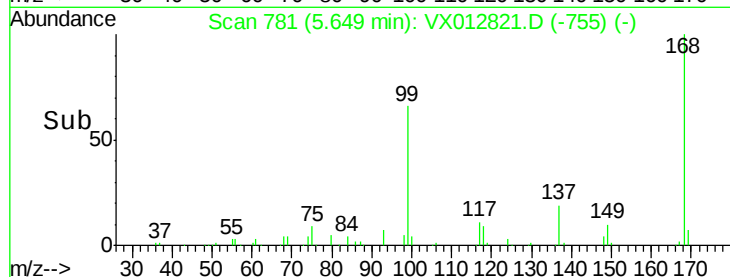
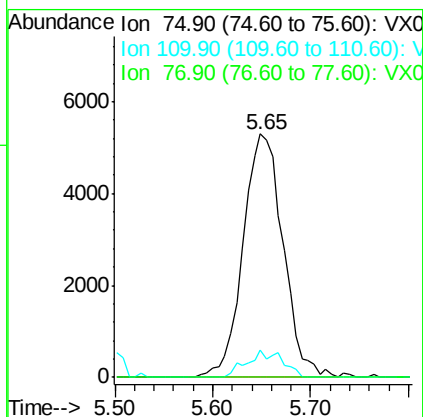
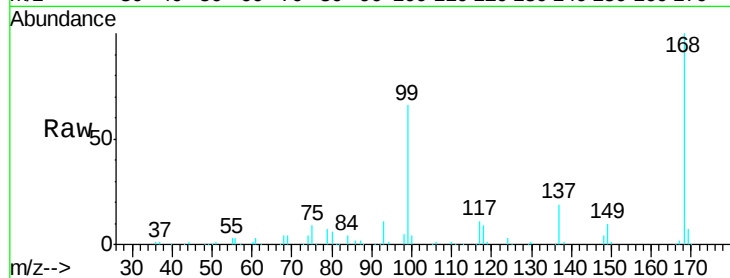




#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

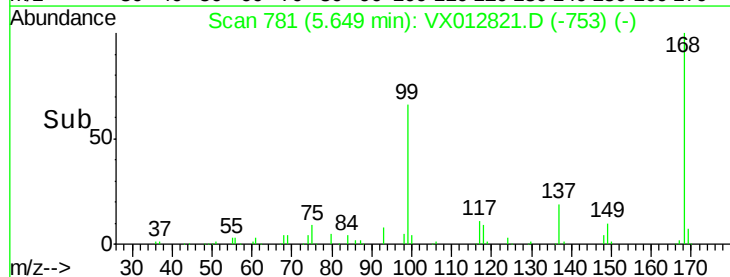
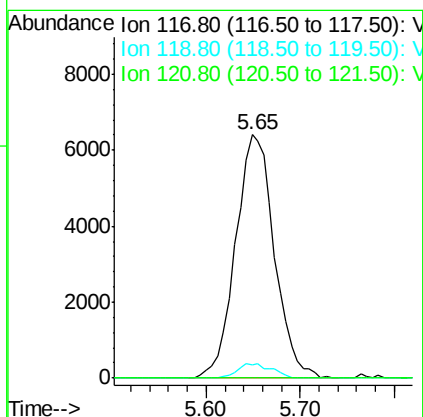
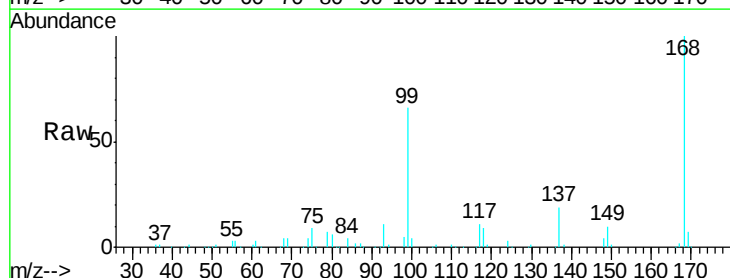
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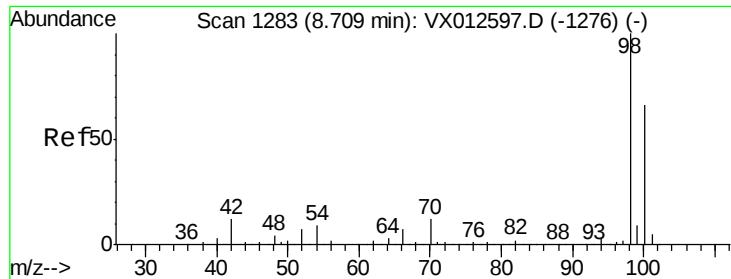
Tgt Ion: 75 Resp: 14988
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.223 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012821.D
 Acq: 04 Oct 2019 18:55

Tgt Ion: 117 Resp: 18365
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.412 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

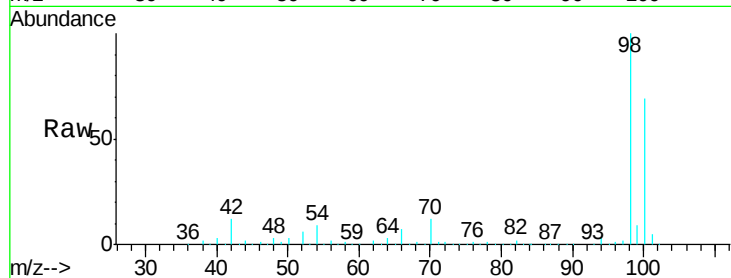
FC-DUP07-20191001

Tgt Ion: 98 Resp: 355417

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012597.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX012597.D (-1276) (-)

8.71

250000

200000

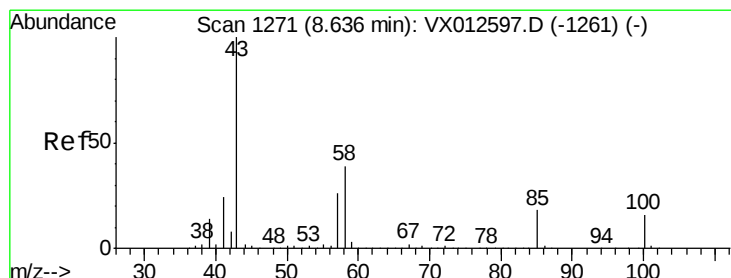
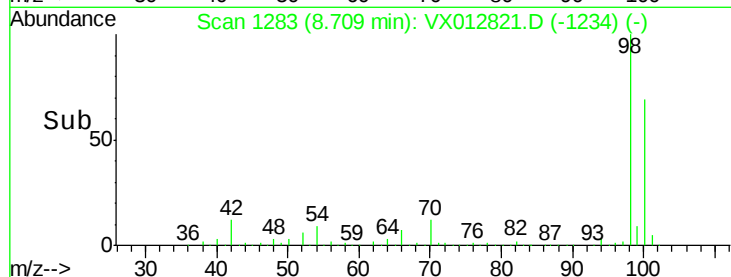
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.443 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012821.D

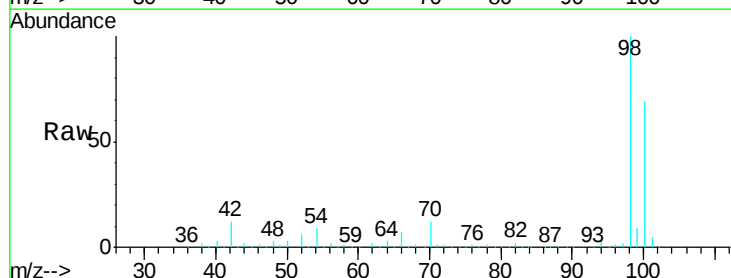
Acq: 04 Oct 2019 18:55

Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

43 100

58 189.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012597.D (-1261) (-)

Ion 58.00 (57.70 to 58.70): VX012597.D (-1261) (-)

8.71

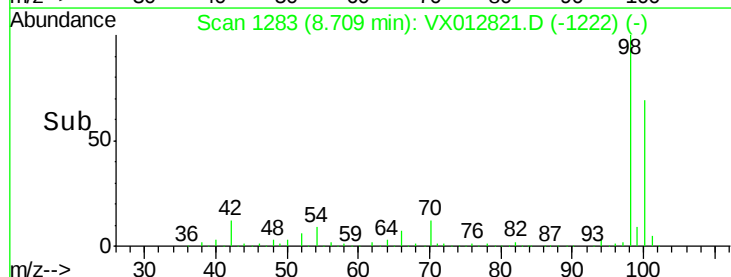
1500

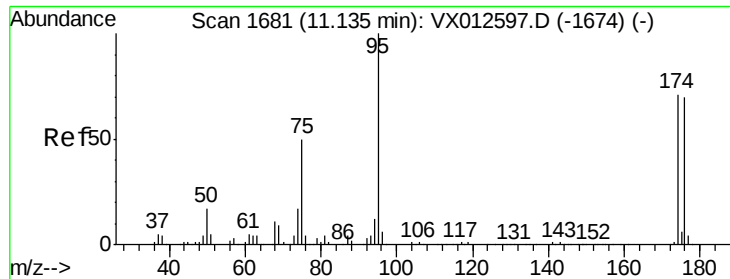
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.588 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

FC-DUP07-20191001

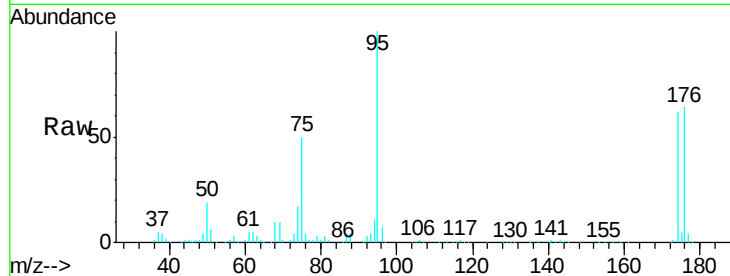
Tgt Ion: 95 Resp: 118484

Ion Ratio Lower Upper

95 100

174 71.1 0.0 140.0

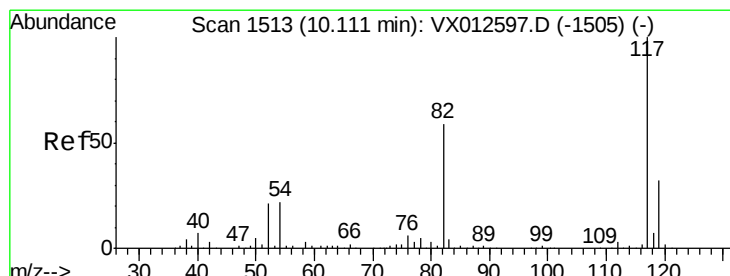
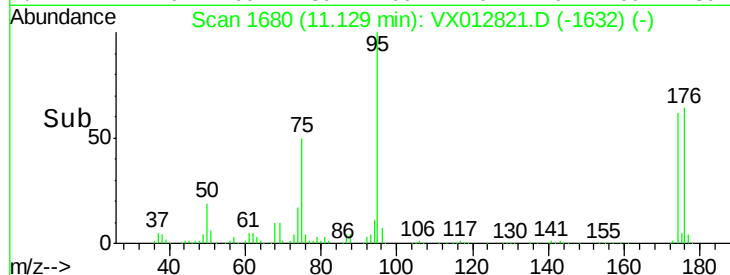
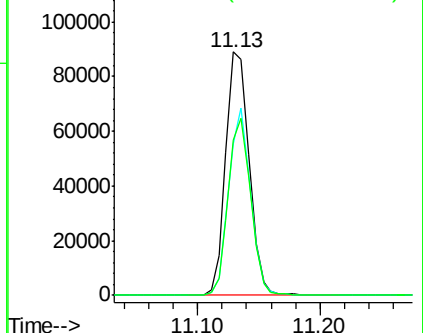
176 69.6 0.0 135.4



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

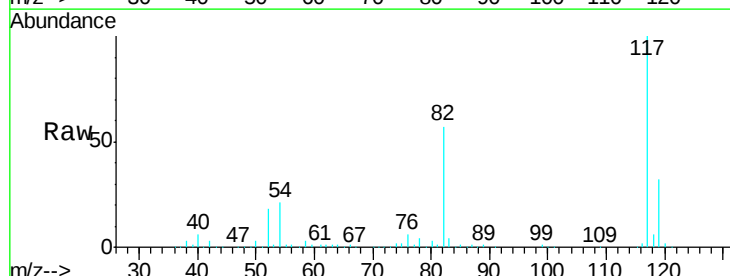
Tgt Ion: 117 Resp: 251854

Ion Ratio Lower Upper

117 100

82 57.0 45.9 68.9

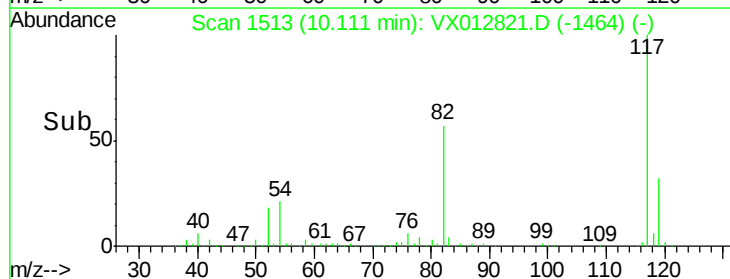
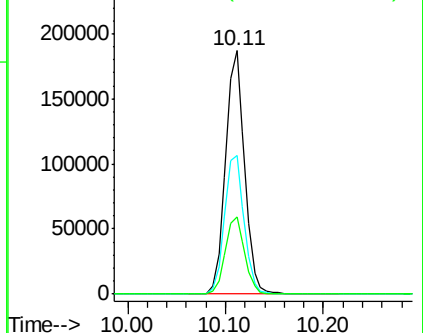
119 31.6 25.3 37.9

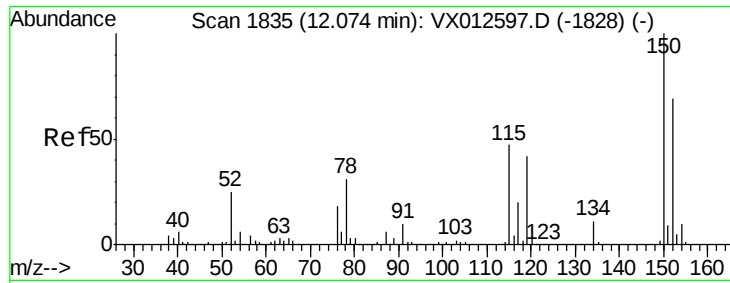


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

FC-DUP07-20191001

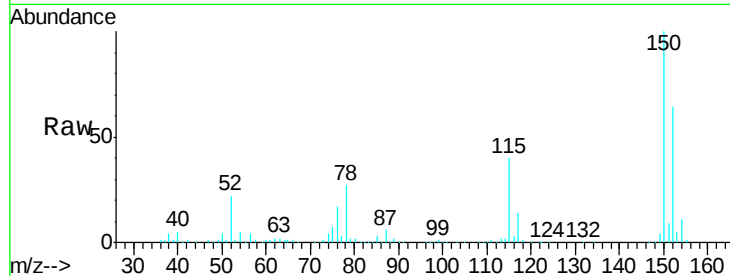
Tgt Ion:152 Resp: 95863

Ion Ratio Lower Upper

152 100

115 64.7 44.1 132.3

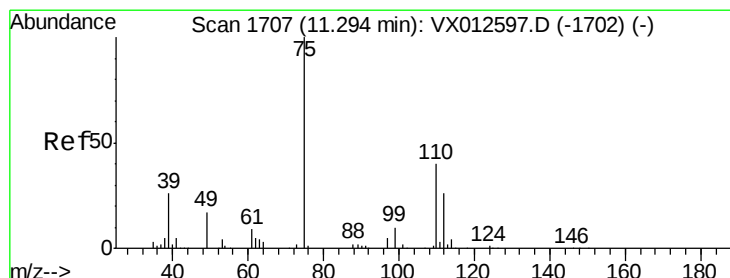
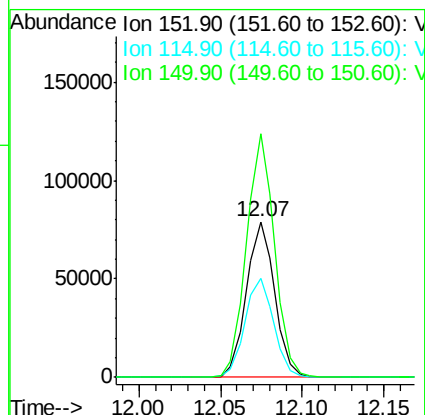
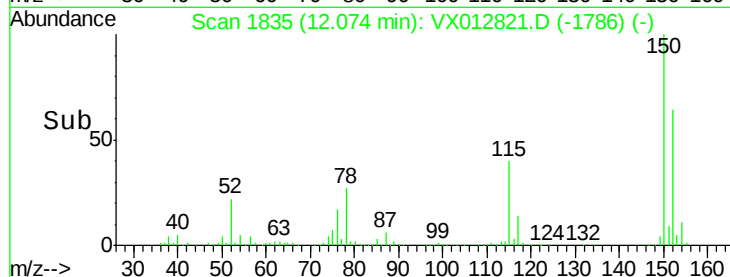
150 155.2 0.0 343.8



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: 23.590 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012821.D

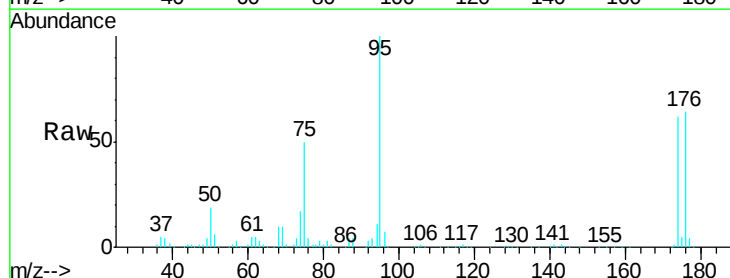
Acq: 04 Oct 2019 18:55

Tgt Ion: 75 Resp: 59821

Ion Ratio Lower Upper

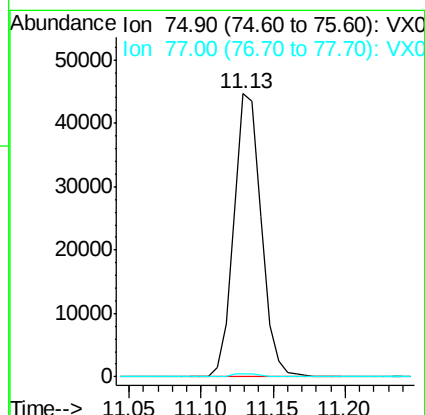
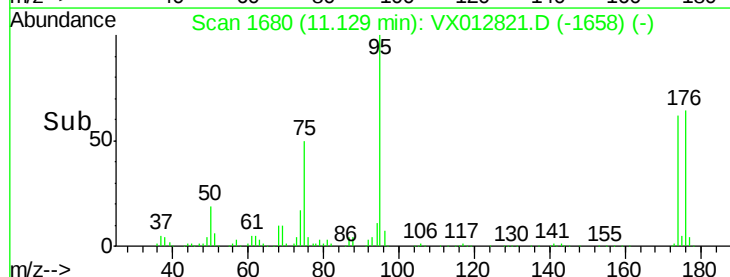
75 100

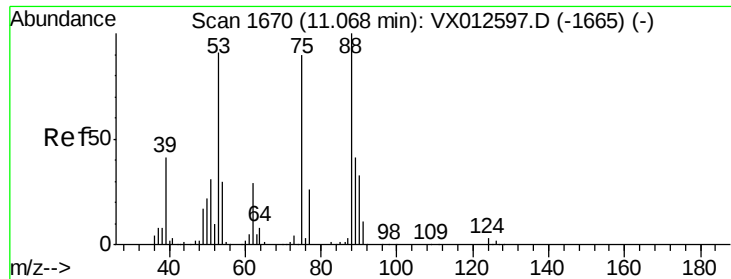
77 1.3 19.7 59.0#



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: 67.605 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012821.D

Acq: 04 Oct 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

FC-DUP07-20191001

Tgt Ion: 75 Resp: 59821

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

