

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012968.D
 Acq On : 10 Oct 2019 02:13
 Operator : JC/SP
 Sample : K5260-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ7208

Quant Time: Oct 10 06:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	114143	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
35) Dibromofluoromethane	5.49	113	87711	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	8.71	98	341139	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.13	95	113117	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

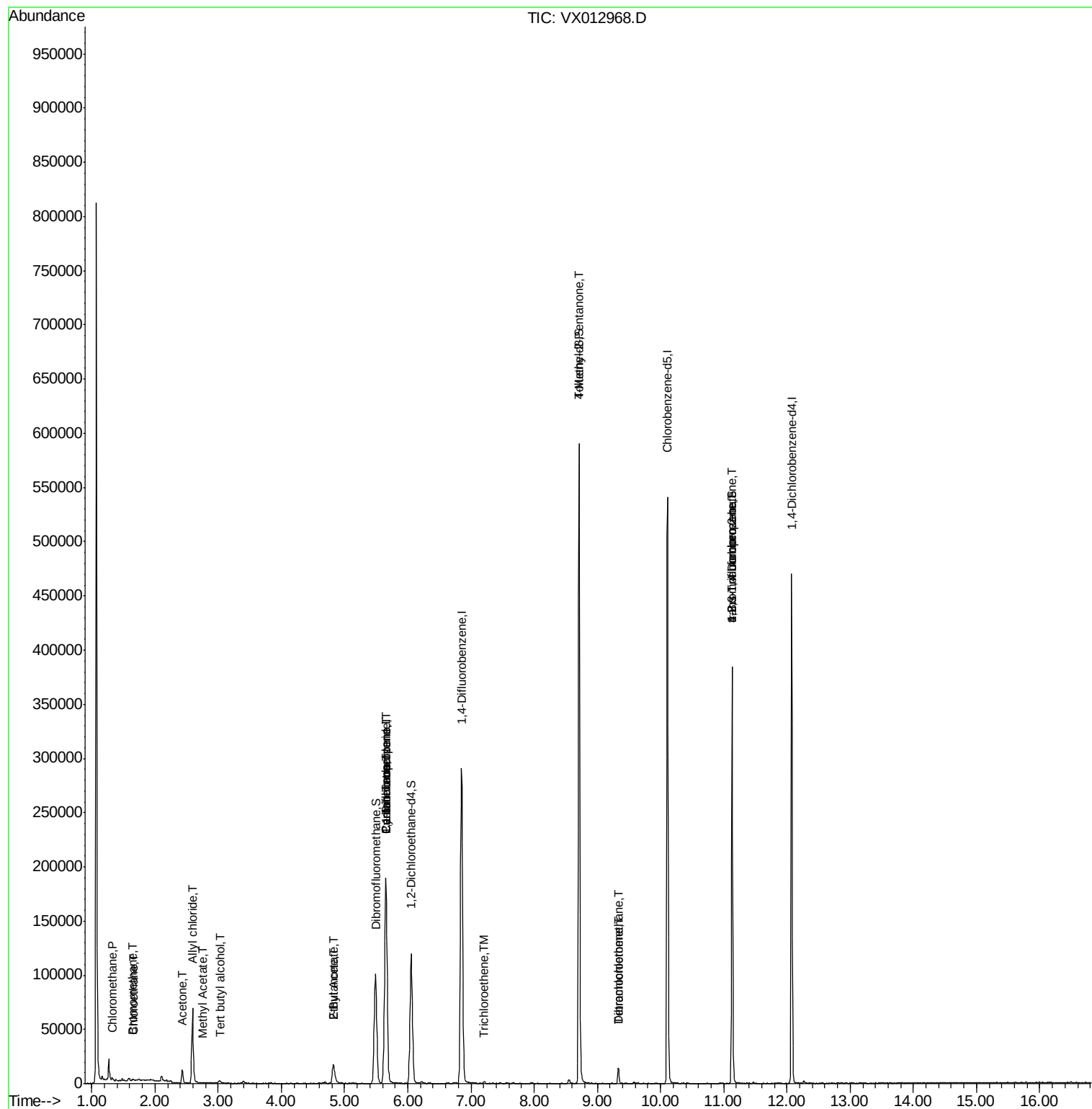
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	974	0.505	ug/l #	81
5) Bromomethane	1.64	94	257	0.311	ug/l #	54
6) Chloroethane	1.66	64	1985	1.989	ug/l #	56
11) Tert butyl alcohol	3.02	59	2863	4.972	ug/l #	77
14) Allyl chloride	2.59	41	6612	2.114	ug/l #	57
16) Acetone	2.43	43	12418	10.847	ug/l	100
18) Methyl Acetate	2.76	43	591	0.218	ug/l #	51
25) 2-Butanone	4.83	43	31010	19.523	ug/l #	49
31) Cyclohexane	5.65	56	4016	1.274	ug/l #	4
36) 1,1-Dichloropropene	5.65	75	14079	5.511	ug/l #	49
37) Ethyl Acetate	4.83	43	31010	10.856	ug/l	98
38) Carbon Tetrachloride	5.65	117	18412	7.405	ug/l #	17
44) Trichloroethene	7.22	130	687	0.328	ug/l	76
51) 4-Methyl-2-Pentanone	8.71	43	1499	0.524	ug/l #	1
60) Dibromochloromethane	9.34	129	2464	2.973	ug/l #	10
64) Tetrachloroethene	9.33	164	2611	1.532	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	56059	27.817	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	56059	69.773	ug/l #	10

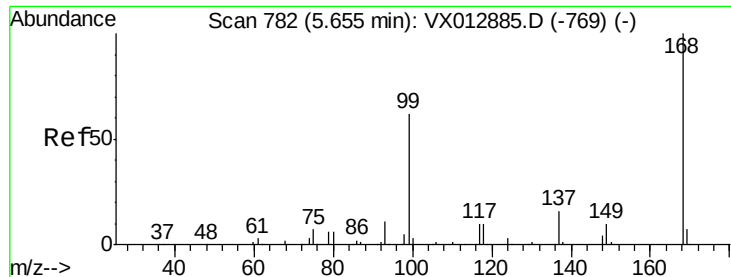
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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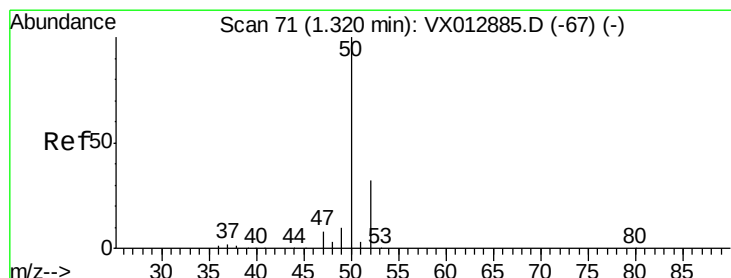
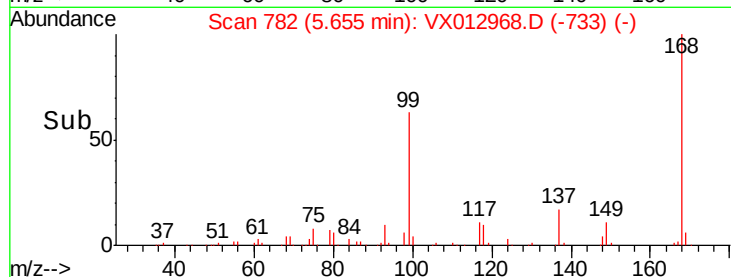
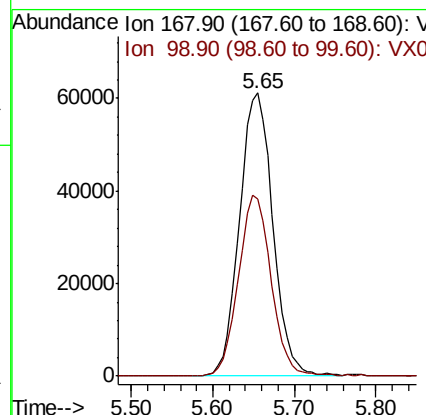
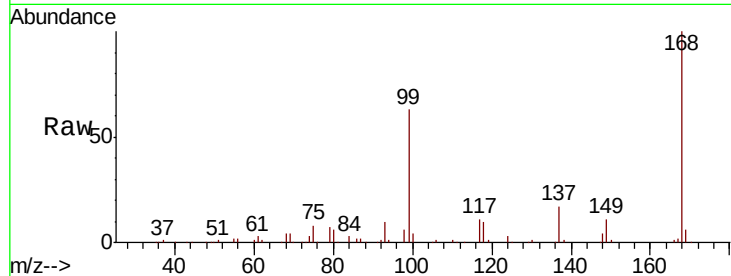




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012968.D
Acq: 10 Oct 2019 02:13

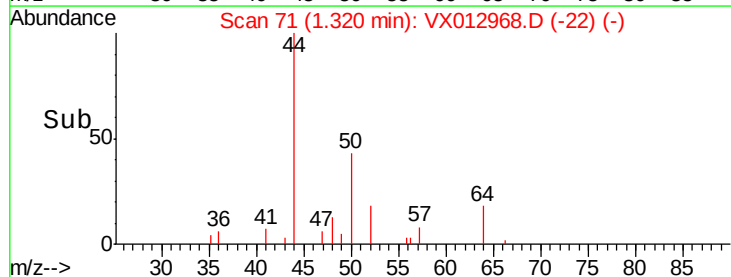
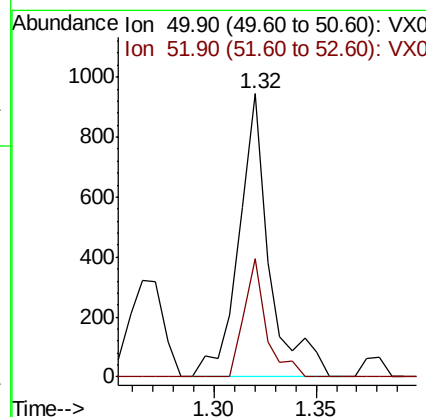
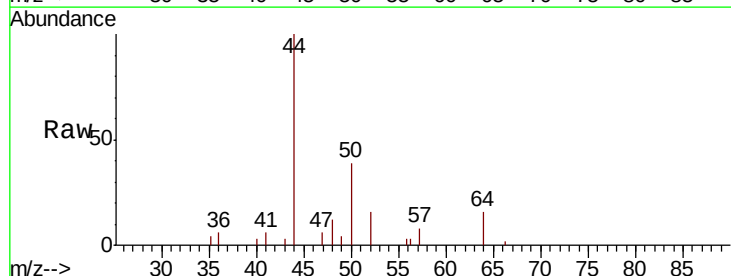
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ7208

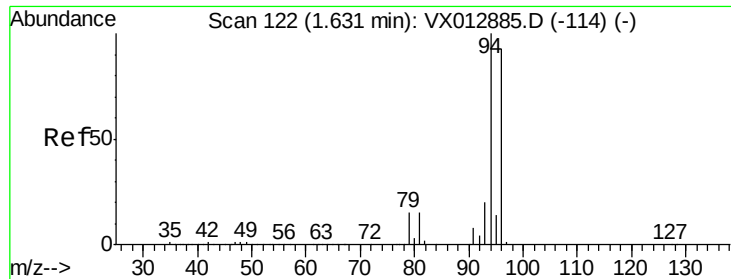
Tot Ion:168 Resp: 173781
Ion Ratio Lower Upper
168 100
99 62.7 49.4 74.0



#3
Chloromethane
Concen: 0.505 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012968.D
Acq: 10 Oct 2019 02:13

Tgt Ion: 50 Resp: 974
Ion Ratio Lower Upper
50 100
52 41.8 25.2 37.8#





#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

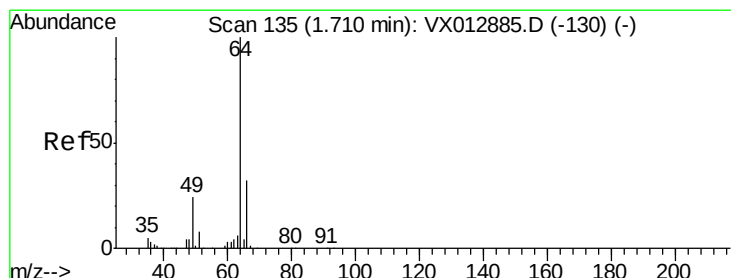
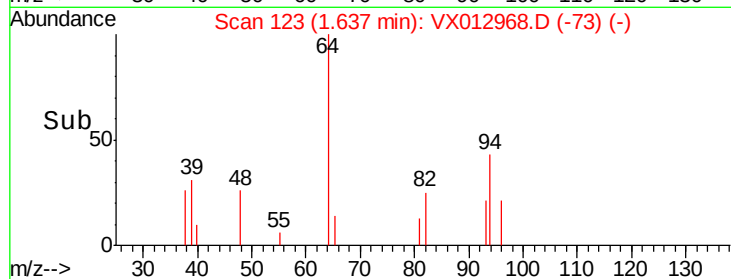
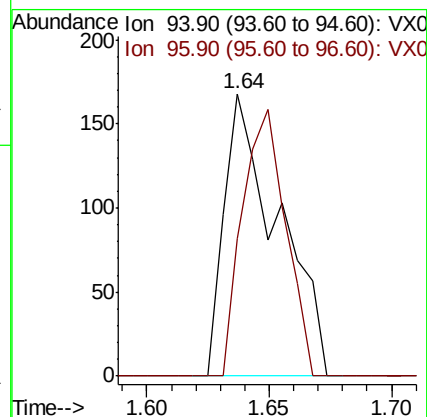
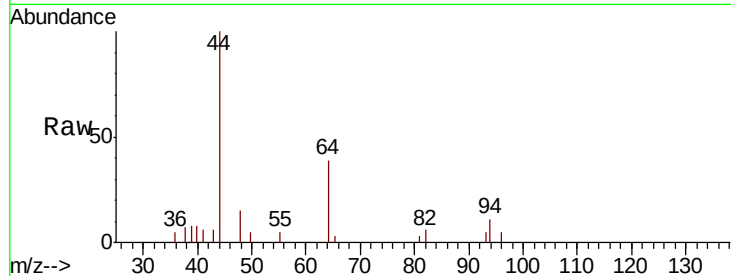
FA19-JPZ7208

Tot Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 48.8 74.7 112.1#



#6

Chloroethane

Concen: 1.989 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012968.D

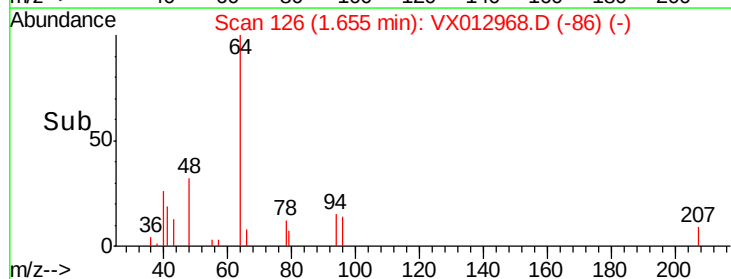
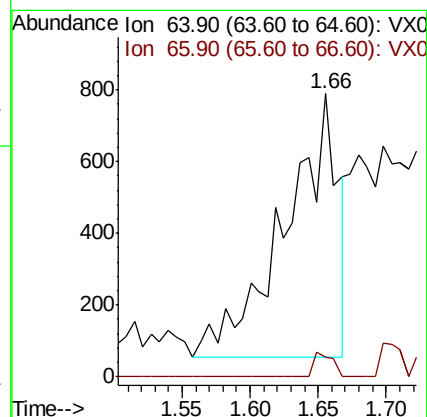
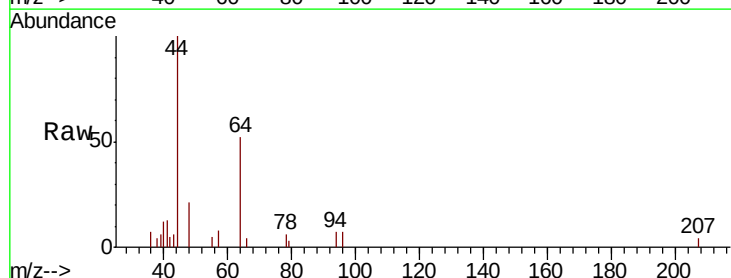
Acq: 10 Oct 2019 02:13

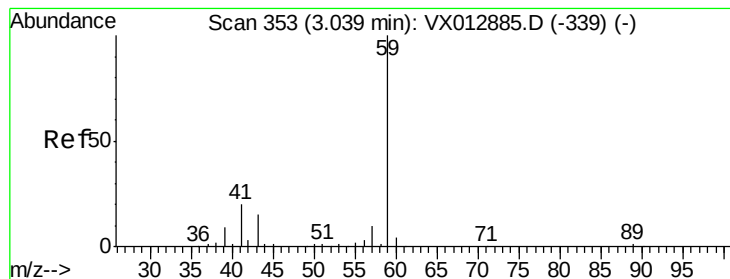
Tgt Ion: 64 Resp: 1985

Ion Ratio Lower Upper

64 100

66 7.5 25.6 38.4#



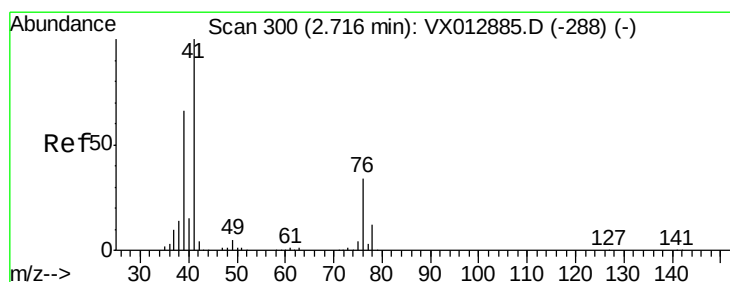
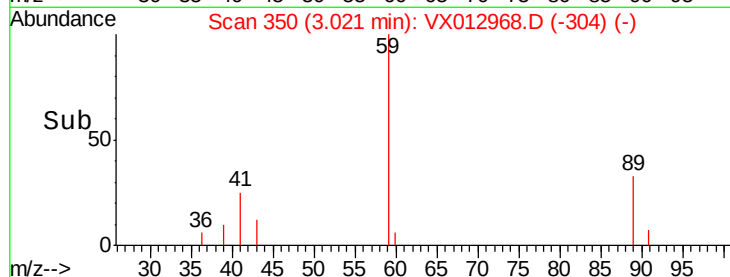
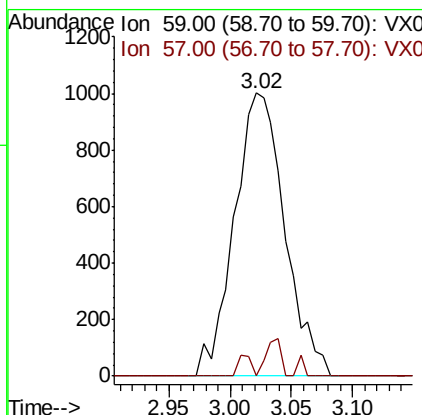
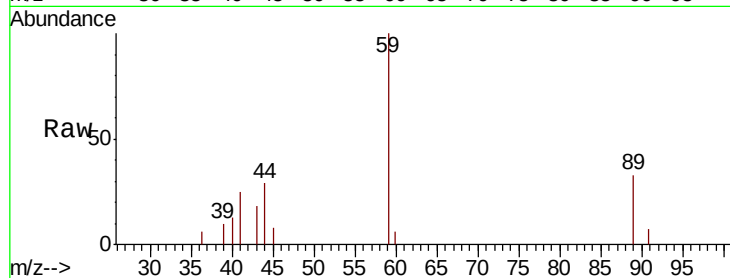


#11

Tert butyl alcohol
 Concen: 4.972 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012968.D
 Acq: 10 Oct 2019 02:13

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ7208

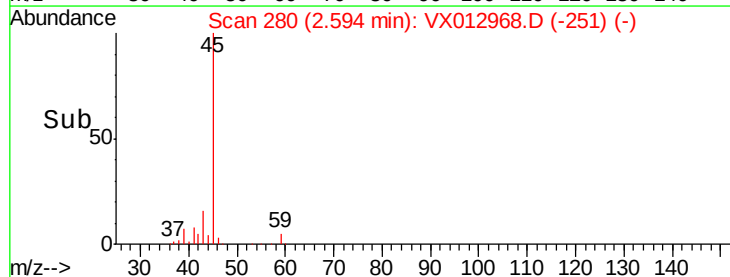
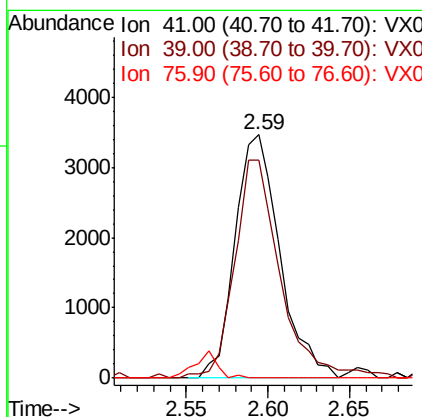
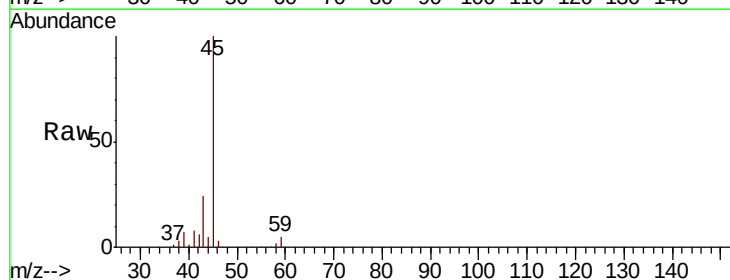
Tot Ion: 59 Resp: 2863
 Ion Ratio Lower Upper
 59 100
 57 1.9 8.3 12.5#

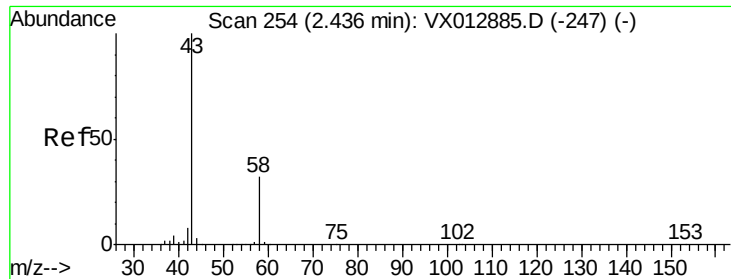


#14

Allyl chloride
 Concen: 2.114 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012968.D
 Acq: 10 Oct 2019 02:13

Tgt Ion: 41 Resp: 6612
 Ion Ratio Lower Upper
 41 100
 39 91.6 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 10.847 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

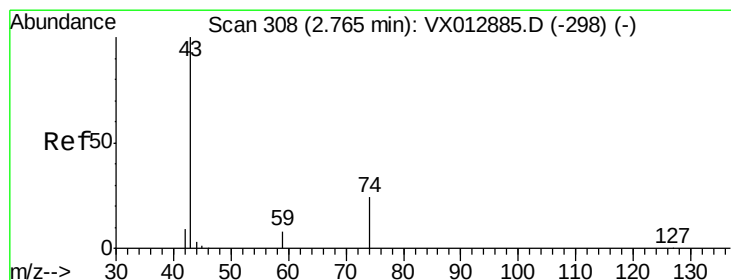
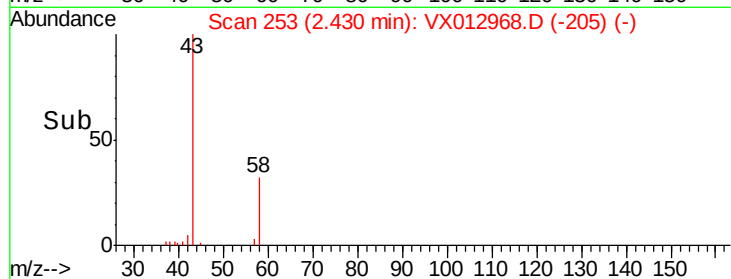
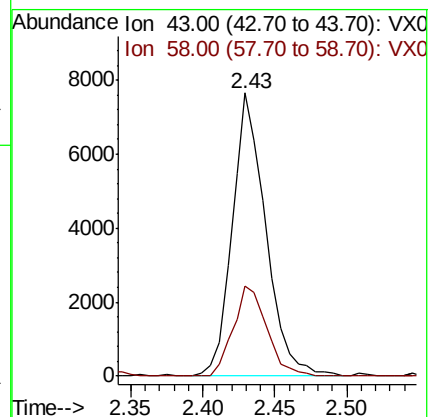
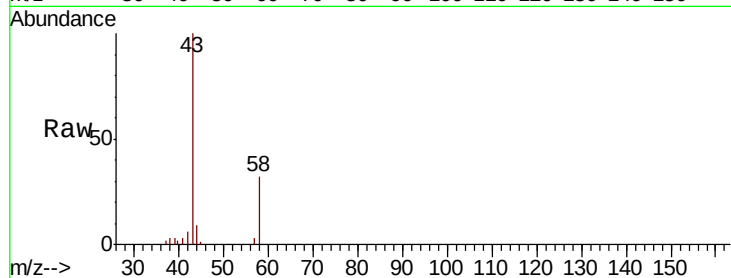
FA19-JPZ7208

Tot Ion: 43 Resp: 12418

Ion Ratio Lower Upper

43 100

58 31.7 25.4 38.2



#18

Methyl Acetate

Concen: 0.218 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012968.D

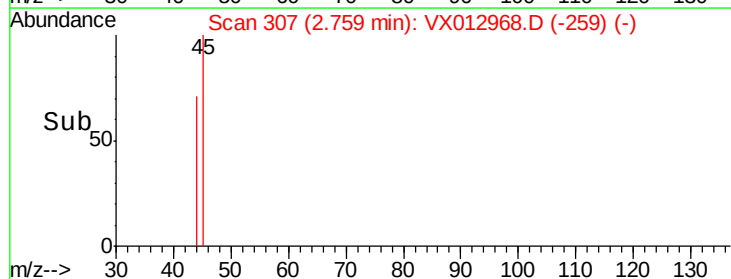
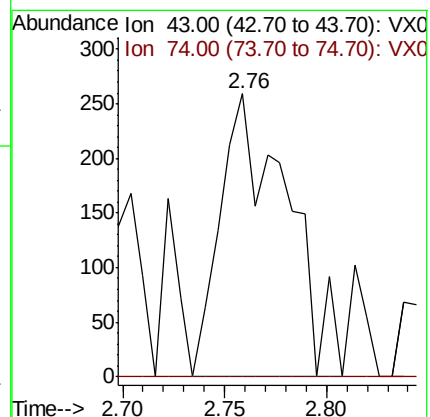
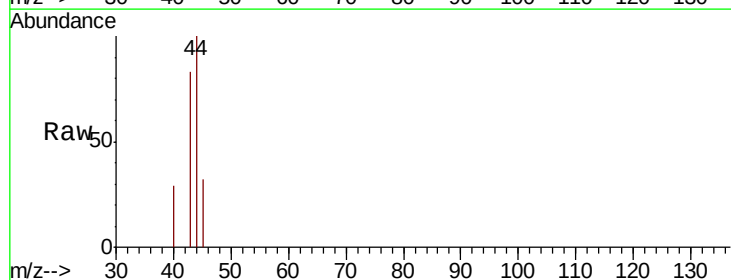
Acq: 10 Oct 2019 02:13

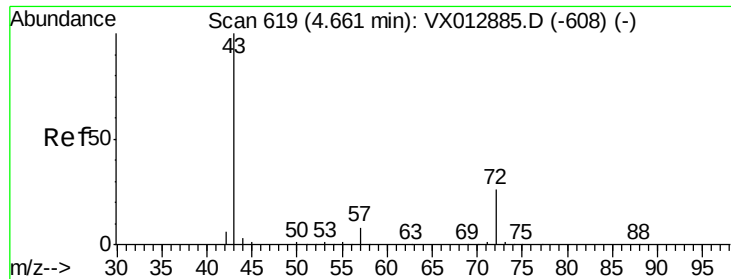
Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 19.523 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.16 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

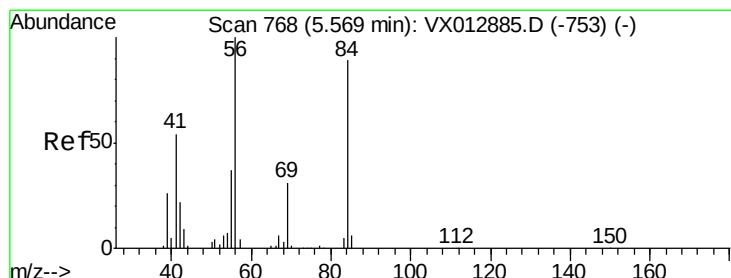
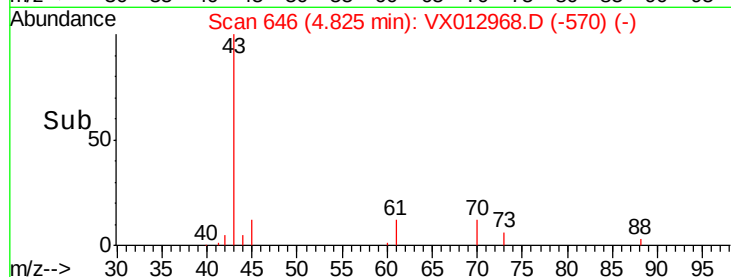
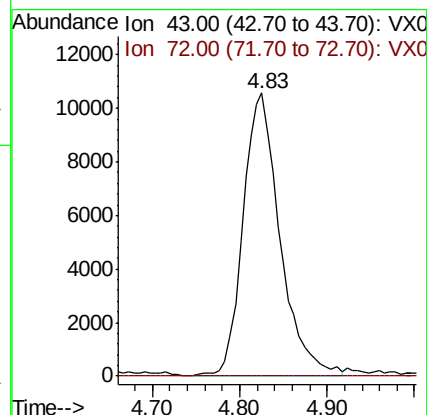
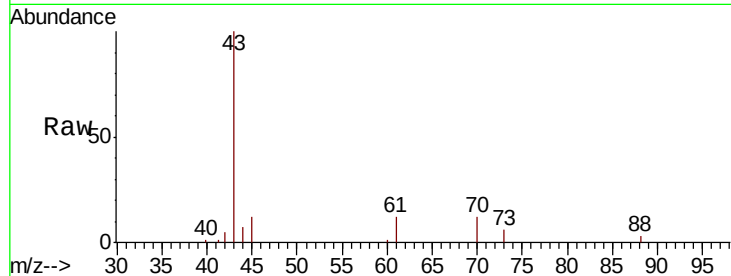
FA19-JPZ7208

Tot Ion: 43 Resp: 31010

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

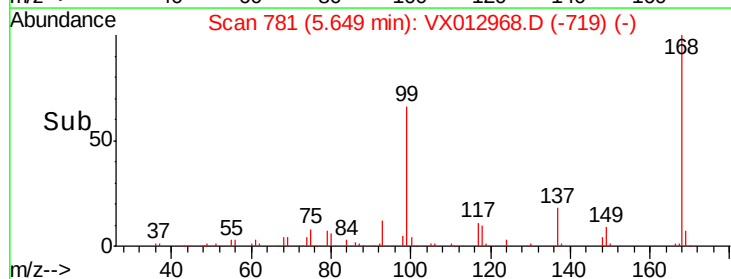
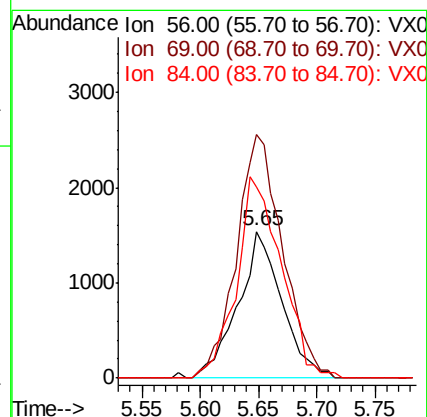
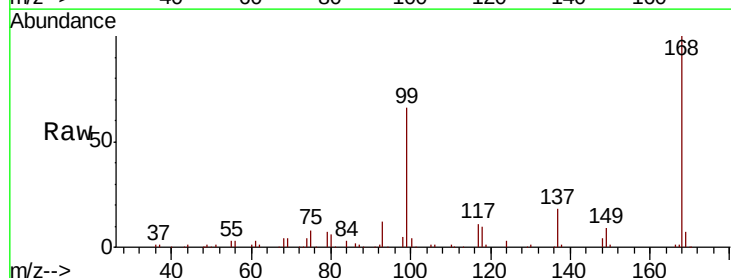
Tgt Ion: 56 Resp: 4016

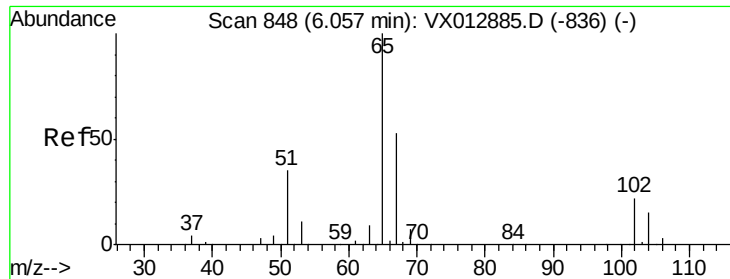
Ion Ratio Lower Upper

56 100

69 166.4 25.2 37.8#

84 130.4 71.3 106.9#

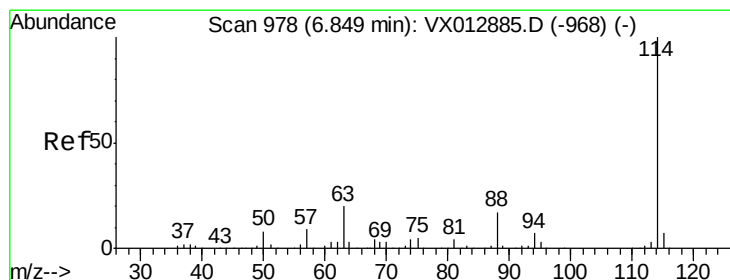
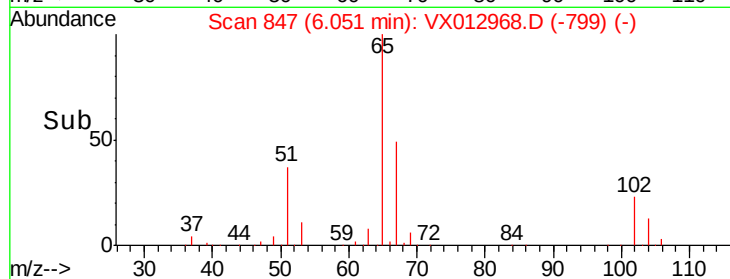
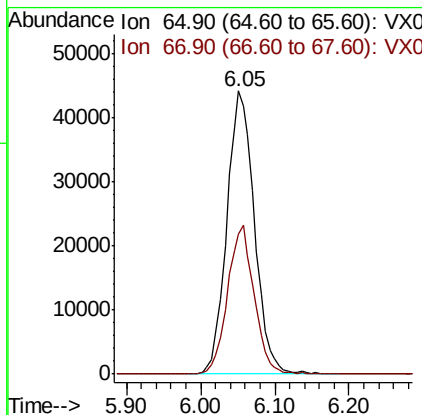
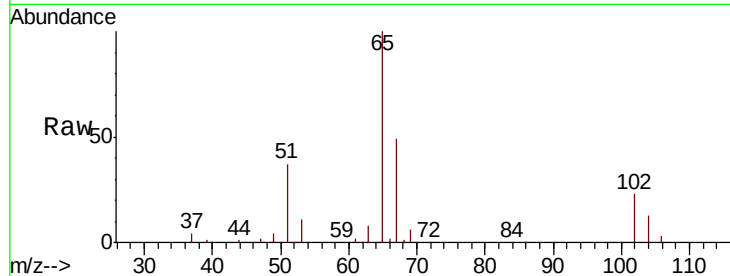




#33
 1,2-Dichloroethane-d4
 Concen: 52.551 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012968.D
 Acq: 10 Oct 2019 02:13

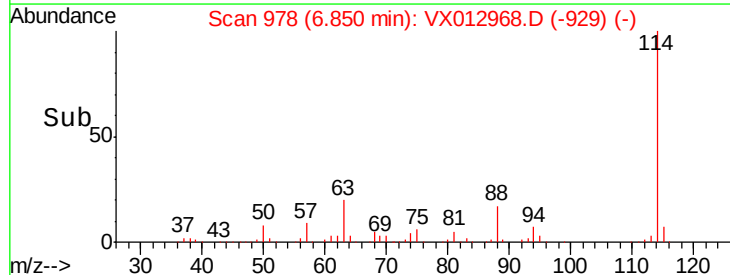
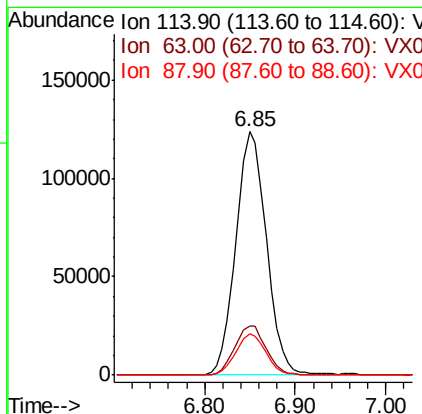
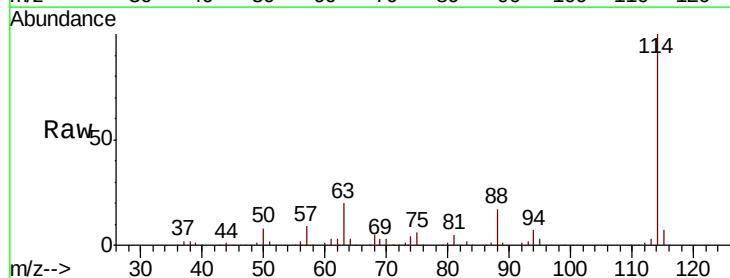
Instrument :
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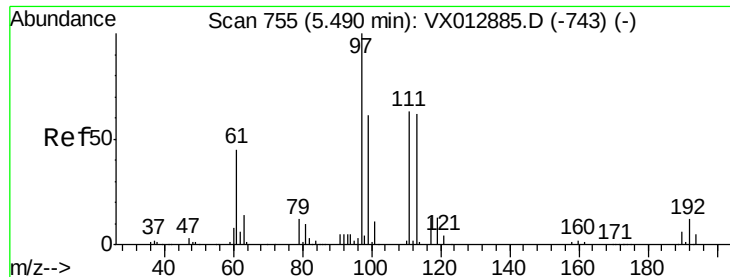
Tot Ion: 65 Resp: 114143
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012968.D
 Acq: 10 Oct 2019 02:13

Tgt Ion: 114 Resp: 290551
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.597 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ7208

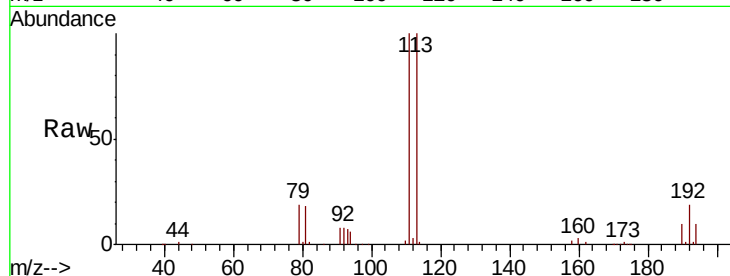
Tot Ion:113 Resp: 87711

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

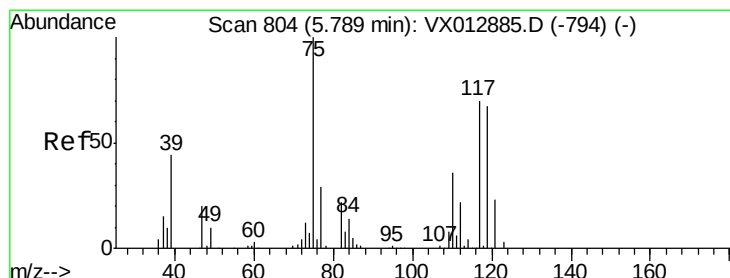
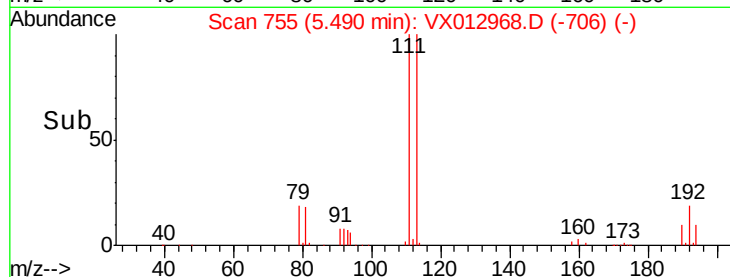
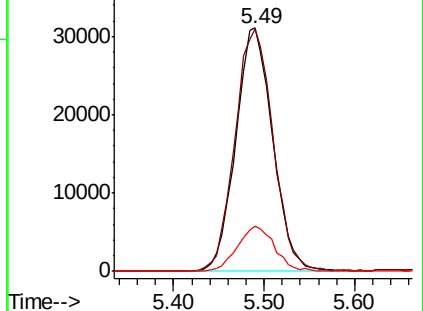
192 18.6 15.4 23.2



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: 5.511 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

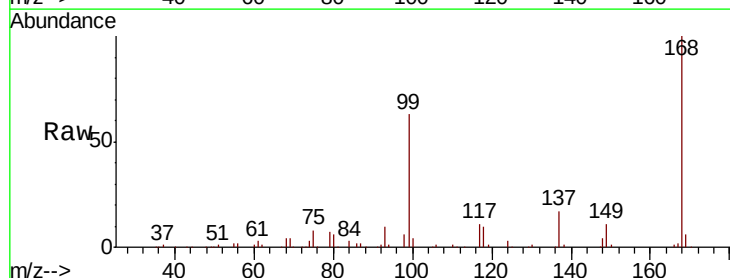
Tgt Ion: 75 Resp: 14079

Ion Ratio Lower Upper

75 100

110 8.0 17.6 52.9#

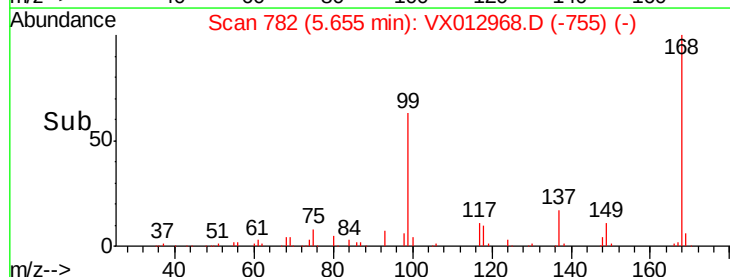
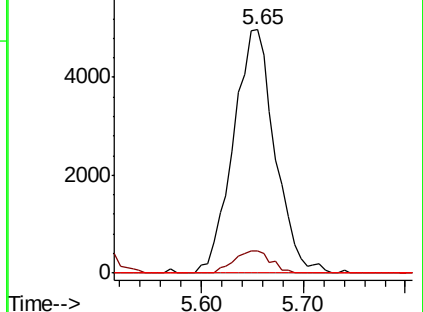
77 0.0 24.4 36.6#

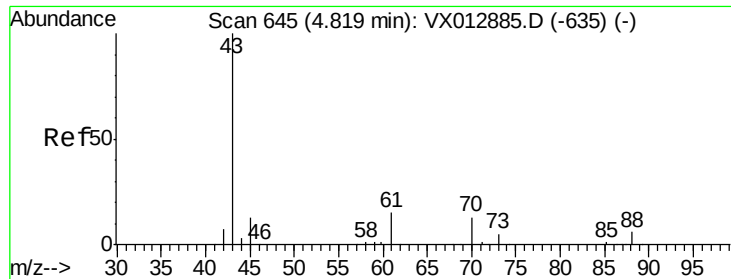


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

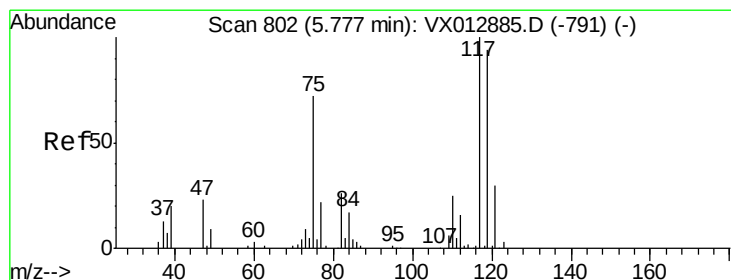
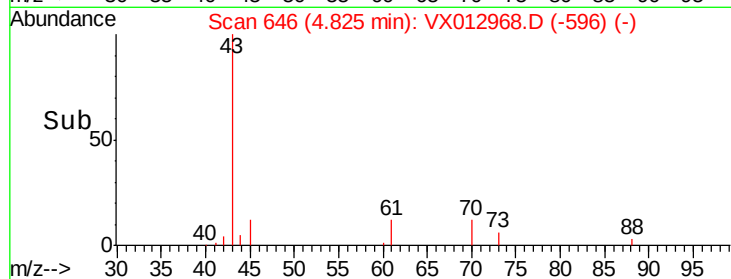
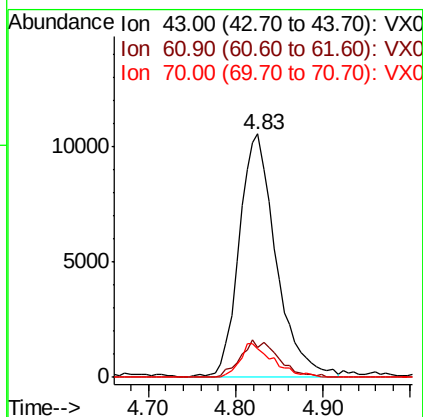
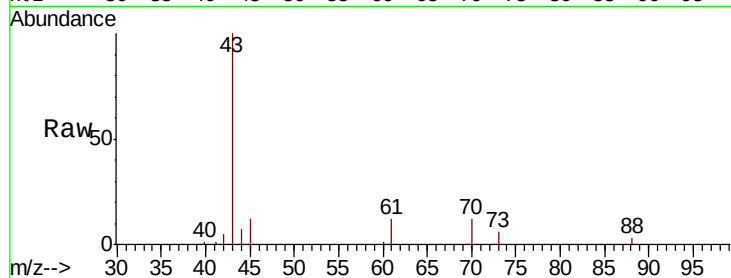




#37
Ethyl Acetate
Concen: 10.856 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012968.D
Acq: 10 Oct 2019 02:13

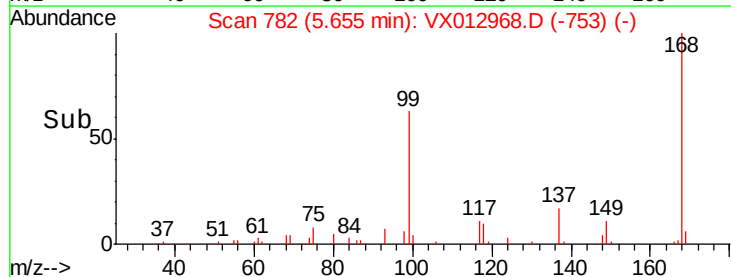
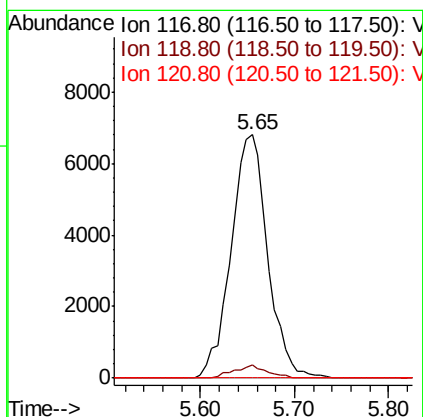
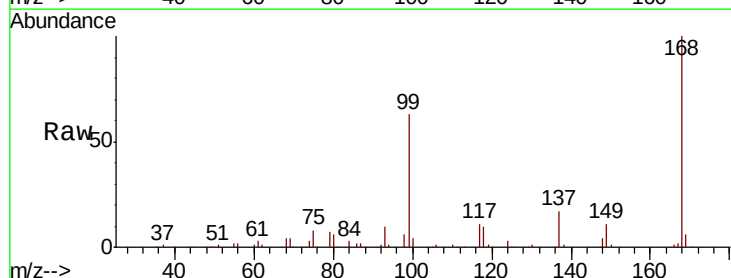
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ7208

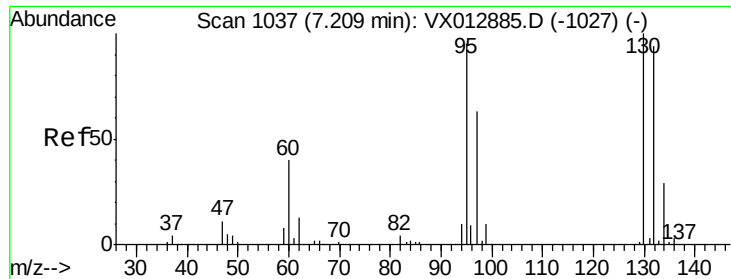
Tot Ion: 43 Resp: 31010
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 12.8 9.8 14.6



#38
Carbon Tetrachloride
Concen: 7.405 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012968.D
Acq: 10 Oct 2019 02:13

Tgt Ion: 117 Resp: 18412
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 0.328 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

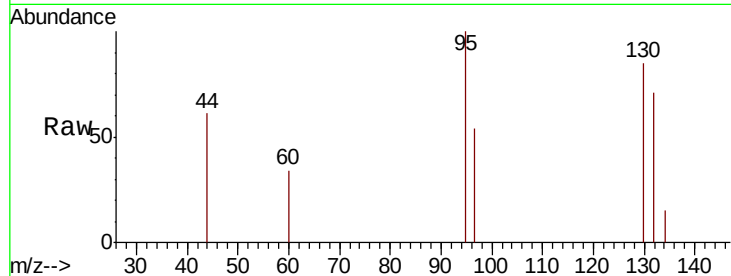
FA19-JPZ7208

Tot Ion:130 Resp: 687

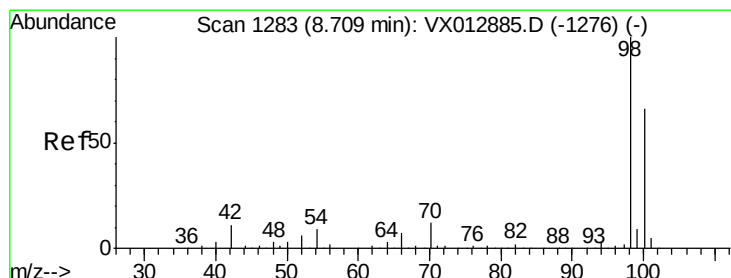
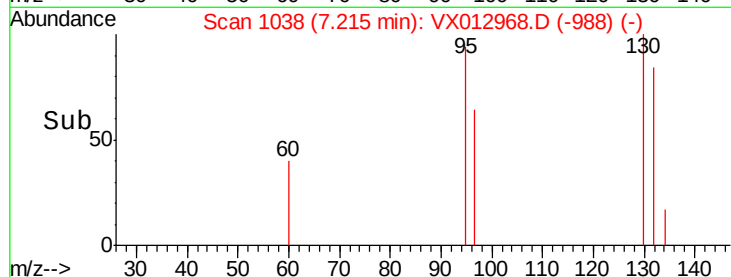
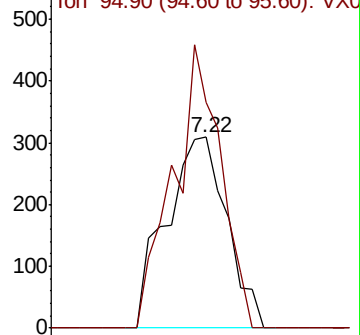
Ion Ratio Lower Upper

130 100

95 118.1 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 52.450 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012968.D

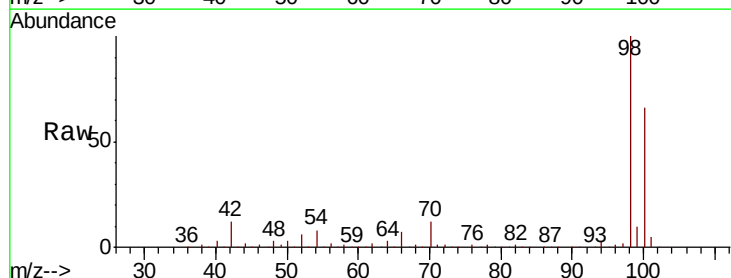
Acq: 10 Oct 2019 02:13

Tgt Ion: 98 Resp: 341139

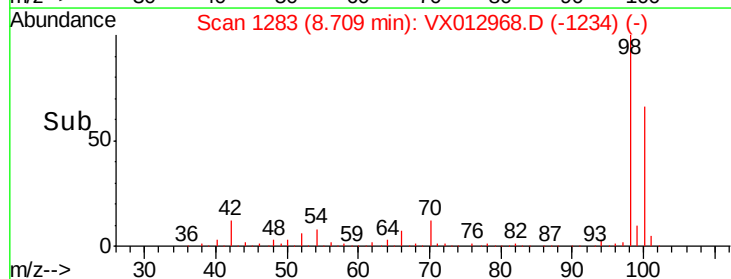
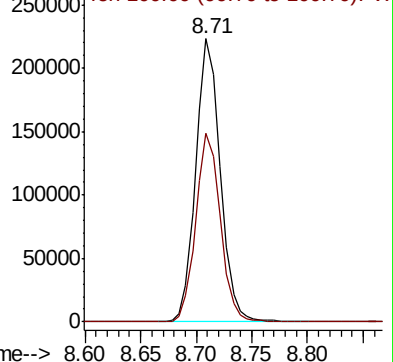
Ion Ratio Lower Upper

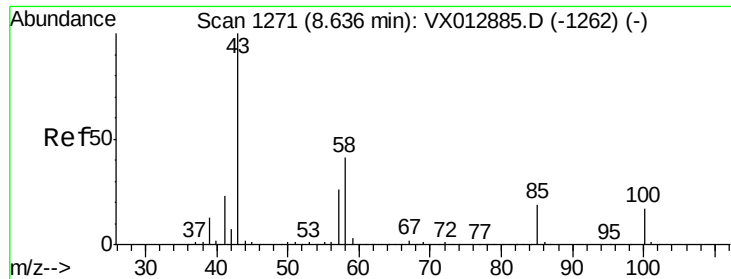
98 100

100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.524 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

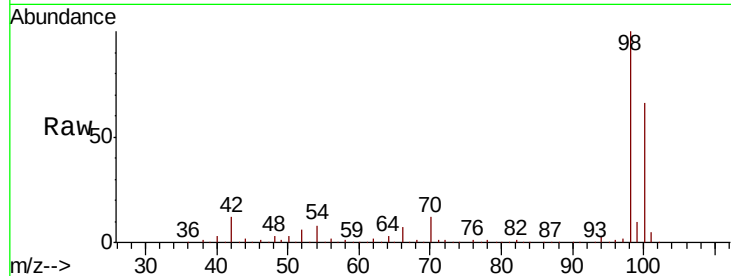
FA19-JPZ7208

Tot Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

58 184.9 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)

2000

1500

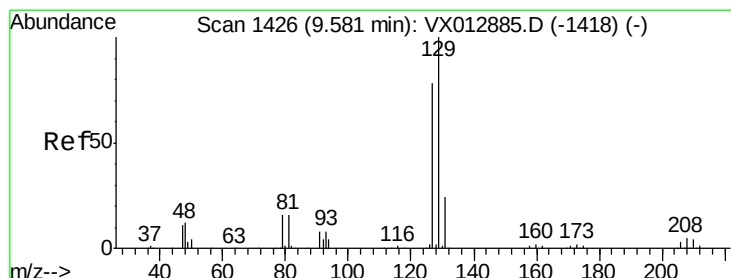
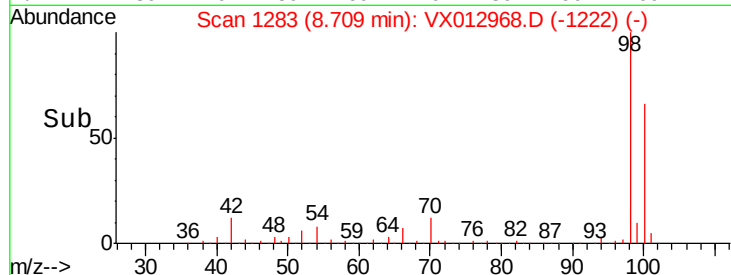
1000

500

0

8.65 8.70 8.75

Time-->



#60

Dibromochloromethane

Concen: 2.973 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012968.D

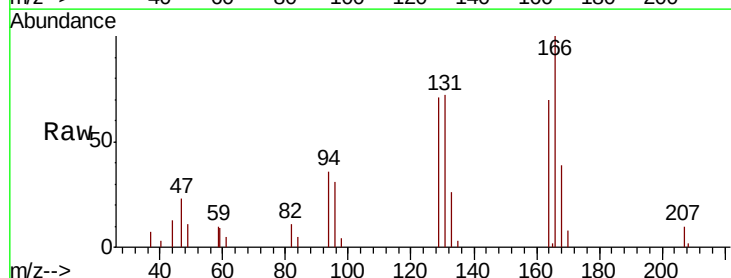
Acq: 10 Oct 2019 02:13

Tgt Ion: 129 Resp: 2464

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)

1500

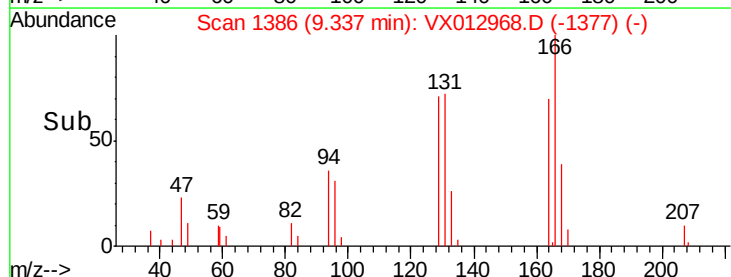
1000

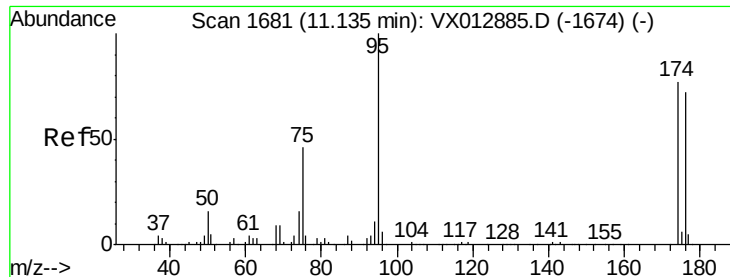
500

0

9.30 9.35

Time-->





#62

4-Bromofluorobenzene

Concen: 44.760 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ7208

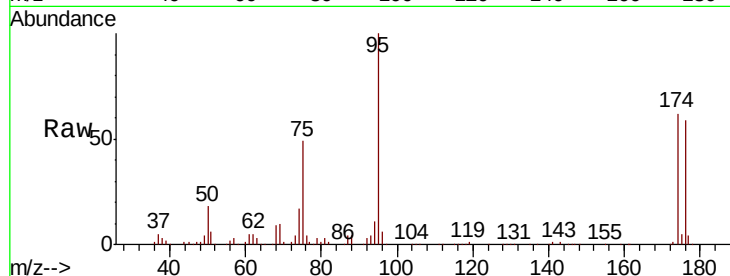
Tot Ion: 95 Resp: 113117

Ion Ratio Lower Upper

95 100

174 70.4 0.0 143.4

176 68.8 0.0 136.0



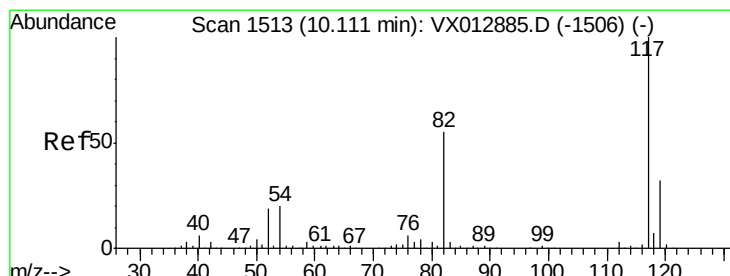
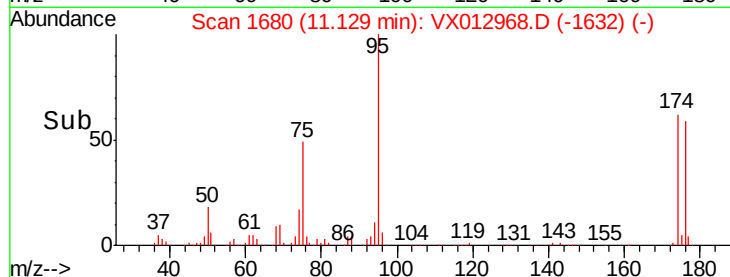
Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

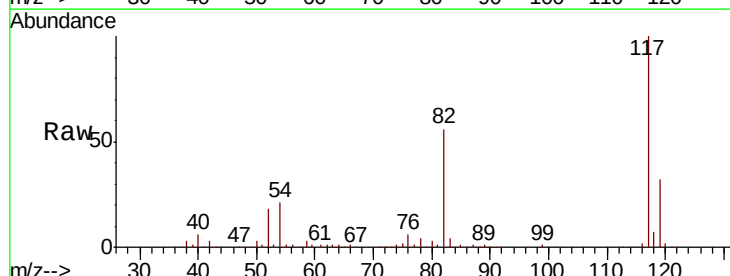
Tgt Ion: 117 Resp: 245685

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

119 31.8 25.8 38.8



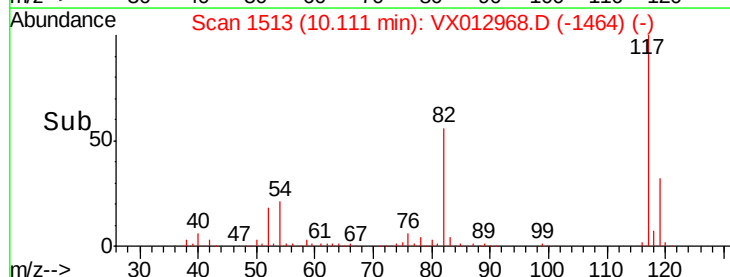
Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

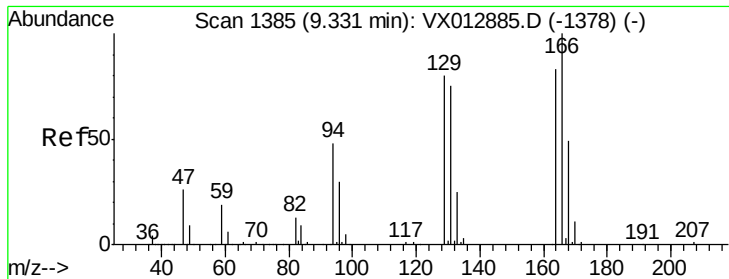
Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)

10.11

Time-->





#64

Tetrachloroethene

Concen: 1.532 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ7208

Tot Ion:164 Resp: 2611

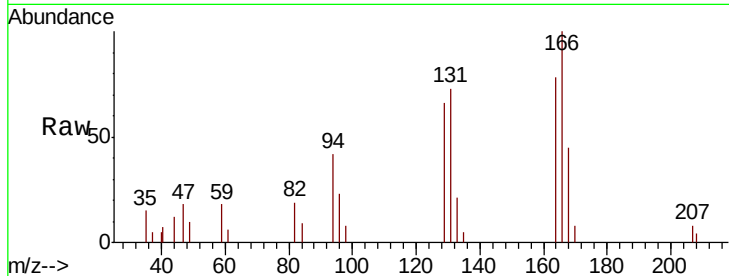
Ion Ratio Lower Upper

164 100

166 127.7 96.9 145.3

129 83.7 77.9 116.9

131 93.8 72.7 109.1

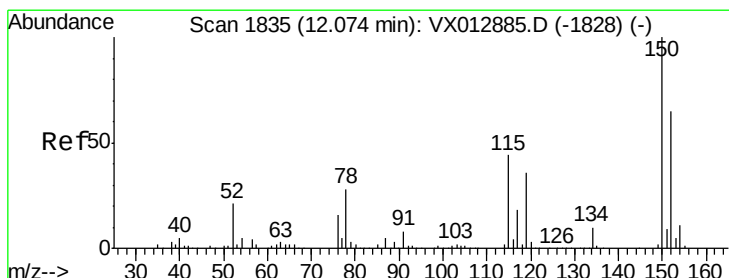
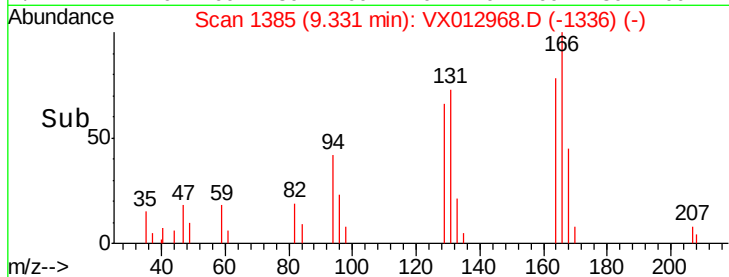
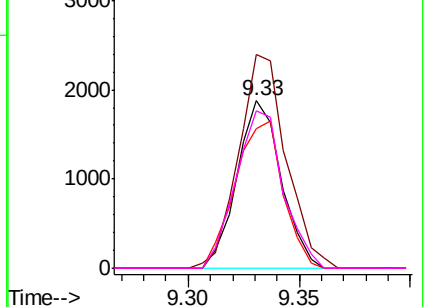


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

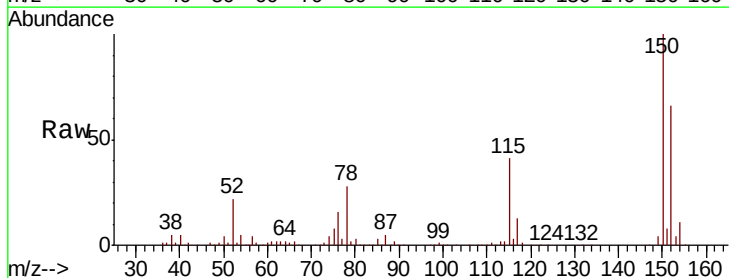
Tgt Ion:152 Resp: 90860

Ion Ratio Lower Upper

152 100

115 63.3 44.5 133.5

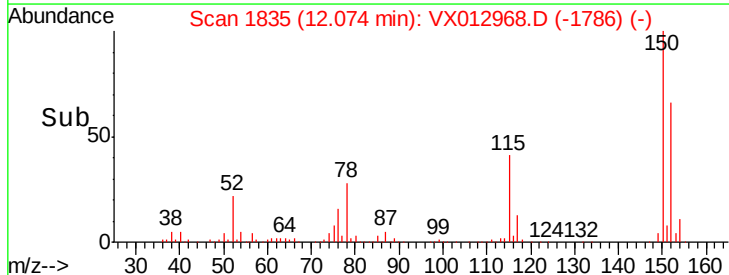
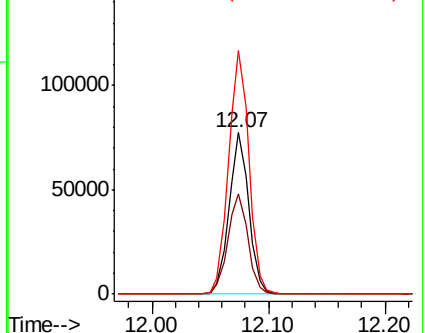
150 156.0 0.0 353.4

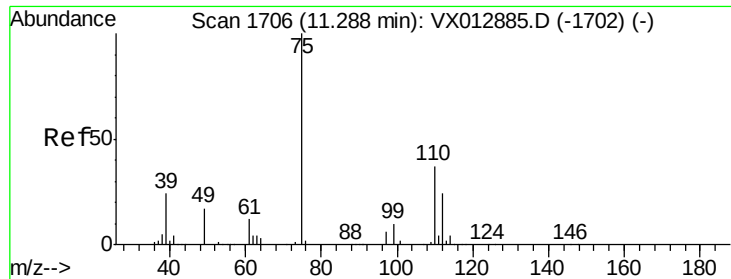


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.817 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Instrument :

MSVOA_X

ClientSampleId :

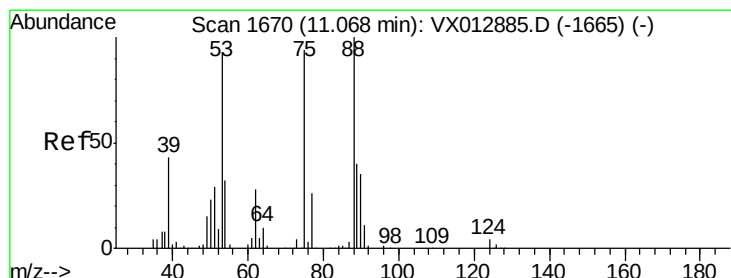
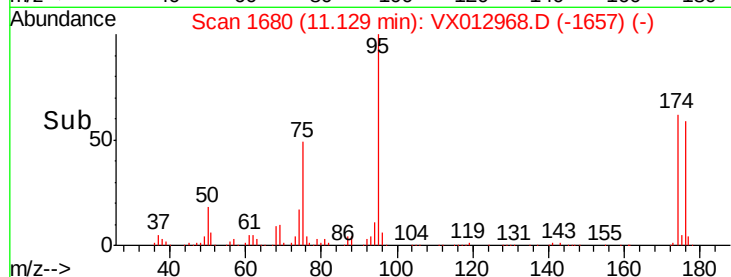
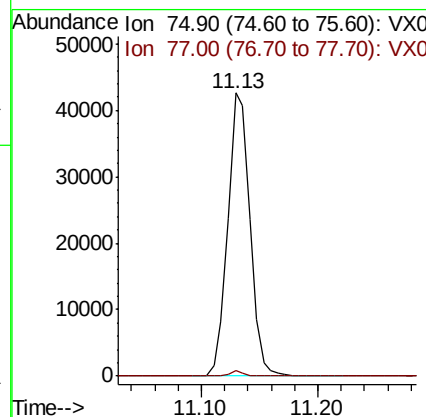
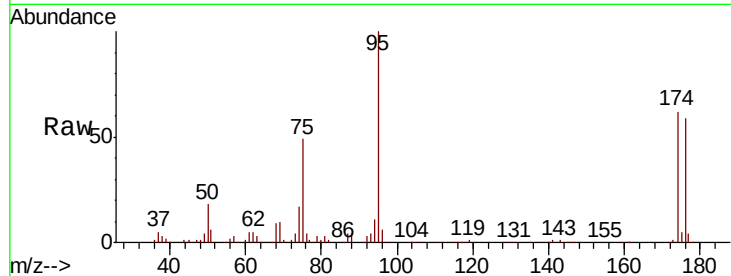
FA19-JPZ7208

Tot Ion: 75 Resp: 56059

Ion Ratio Lower Upper

75 100

77 1.3 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.773 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012968.D

Acq: 10 Oct 2019 02:13

Tgt Ion: 75 Resp: 56059

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

