

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014314.D
 Acq On : 27 Dec 2019 17:18
 Operator : JC/SP
 Sample : K6431-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Dec 30 05:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	514756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	801950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	712936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	315588	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	290057	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.49	113	241023	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	952308	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	316453	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

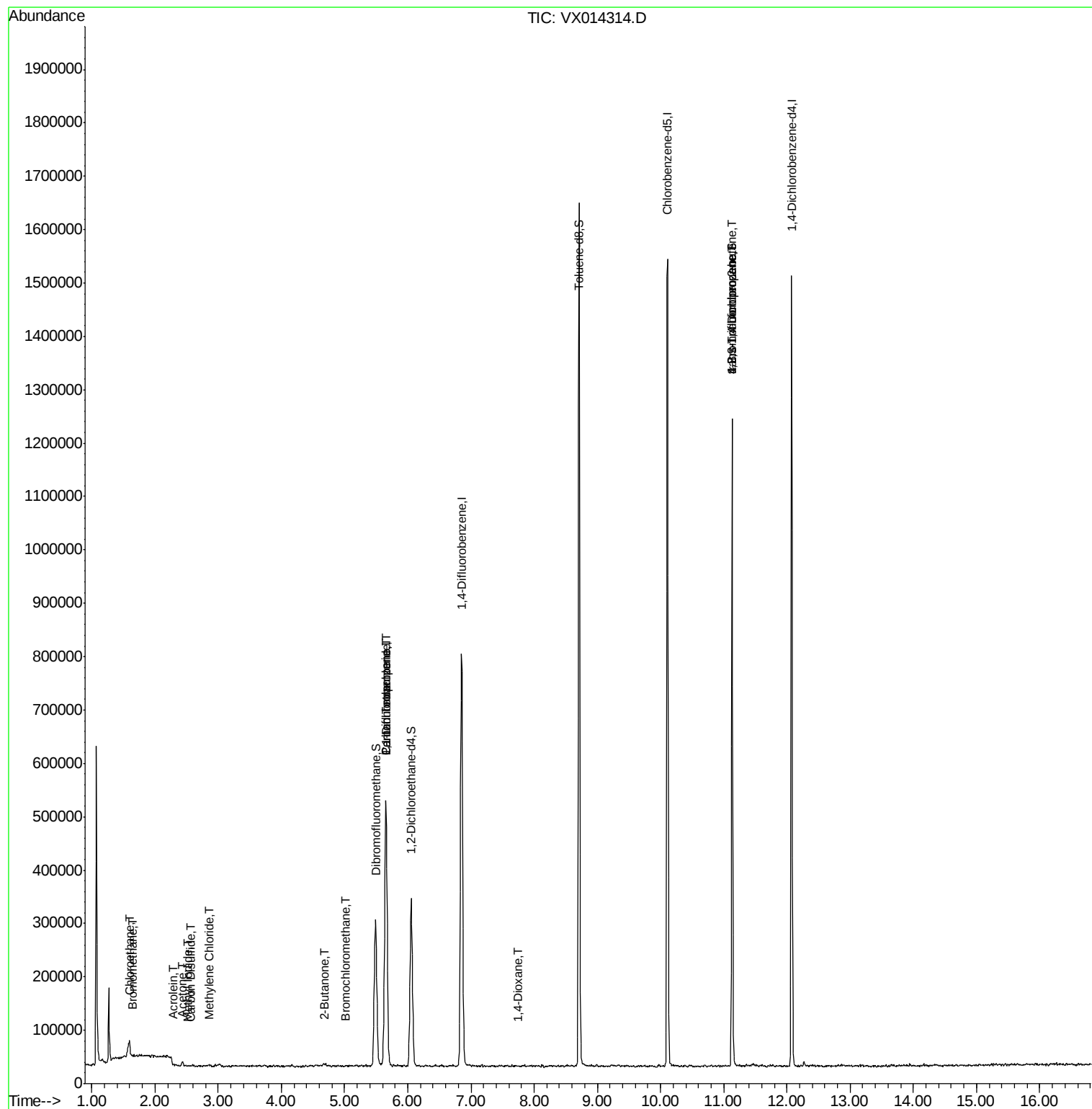
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1309	0.283	ug/l	96
6) Chloroethane	1.59	64	19776	4.914	ug/l #	54
10) Methyl Iodide	2.52	142	907	2.755	ug/l #	86
13) Acrolein	2.29	56	146	0.202	ug/l #	14
16) Acetone	2.44	43	7616	2.011	ug/l	95
17) Carbon Disulfide	2.56	76	1636	0.867	ug/l #	75
20) Methylene Chloride	2.85	84	1566	0.263	ug/l #	94
25) 2-Butanone	4.69	43	2838	0.608	ug/l #	49
28) Bromochloromethane	5.02	49	257	0.521	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	35323	4.800	ug/l #	51
38) Carbon Tetrachloride	5.65	117	46425	6.926	ug/l #	14
49) 1,4-Dioxane	7.74	88	107	0.798	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	154723	22.583	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	154723	63.741	ug/l #	12

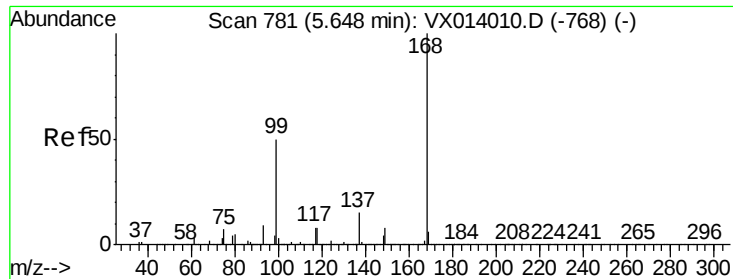
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
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QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

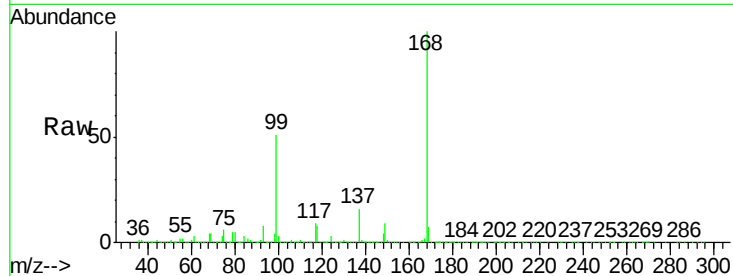
TB

Tgt Ion:168 Resp: 514756

Ion Ratio Lower Upper

168 100

99 51.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

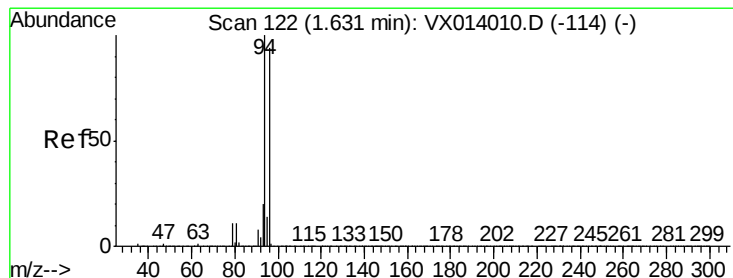
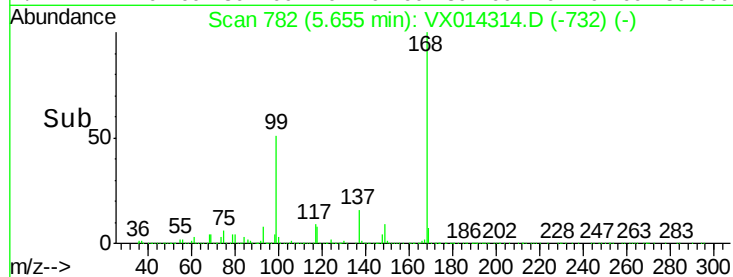
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014314.D

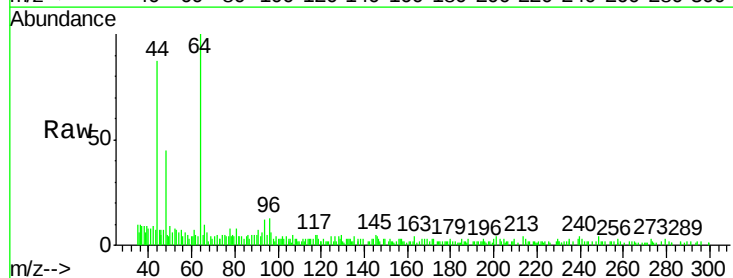
Acq: 27 Dec 2019 17:18

Tgt Ion: 94 Resp: 1309

Ion Ratio Lower Upper

94 100

96 97.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

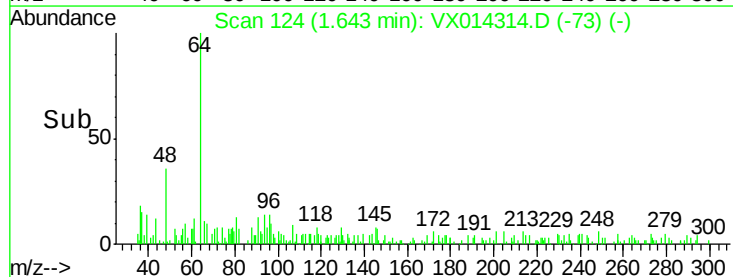
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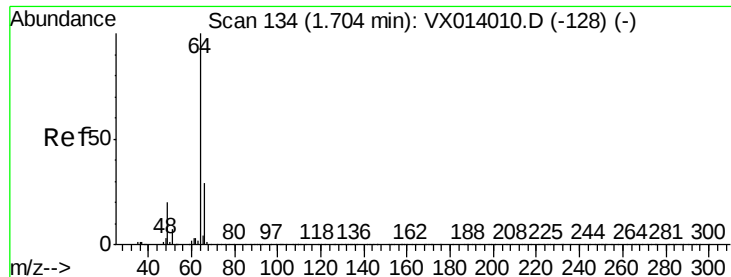
200

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 4.914 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.11 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

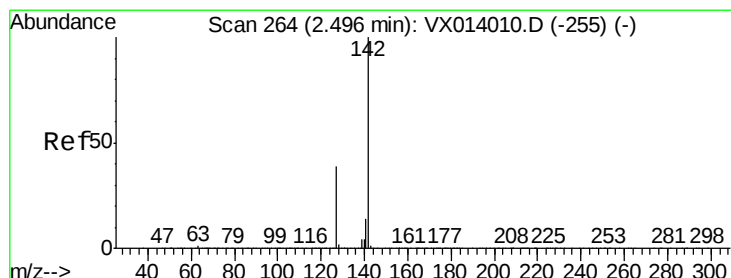
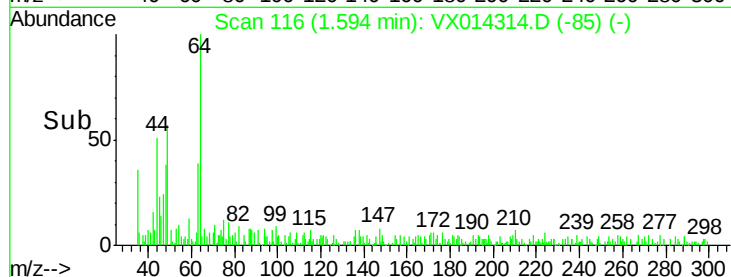
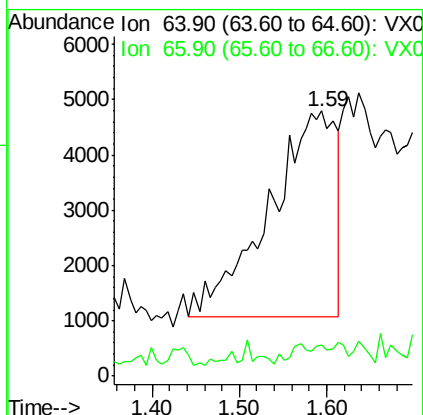
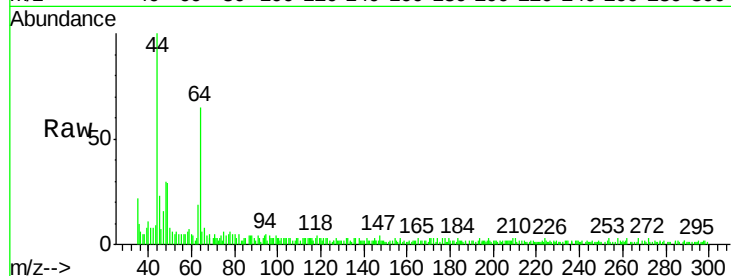
TB

Tgt Ion: 64 Resp: 19776

Ion Ratio Lower Upper

64 100

66 4.6 23.4 35.2#



#10

Methyl Iodide

Concen: 2.755 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

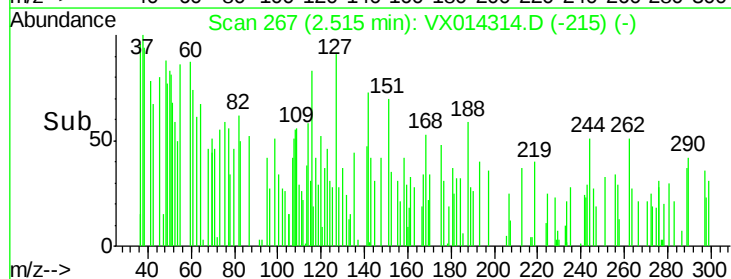
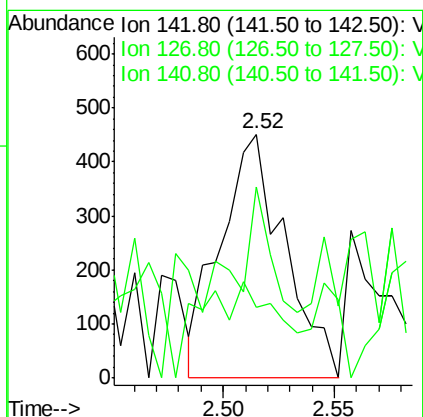
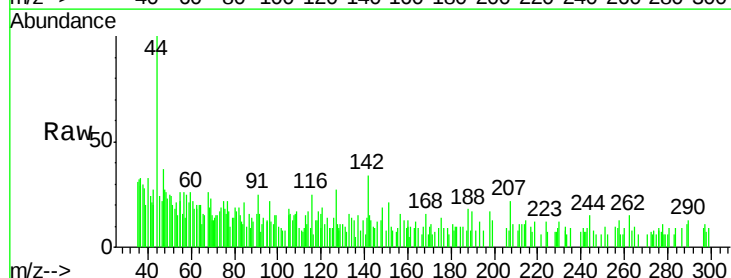
Tgt Ion: 142 Resp: 907

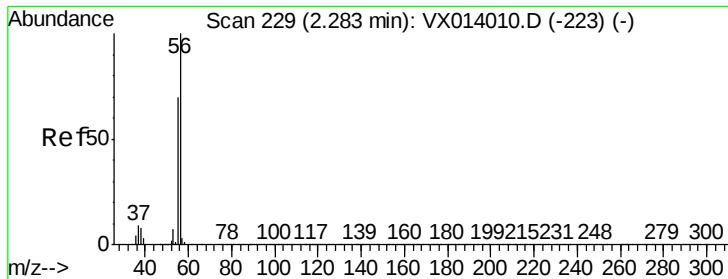
Ion Ratio Lower Upper

142 100

127 31.3 31.6 47.4#

141 21.5 11.6 17.4#





#13

Acrolein

Concen: 0.202 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

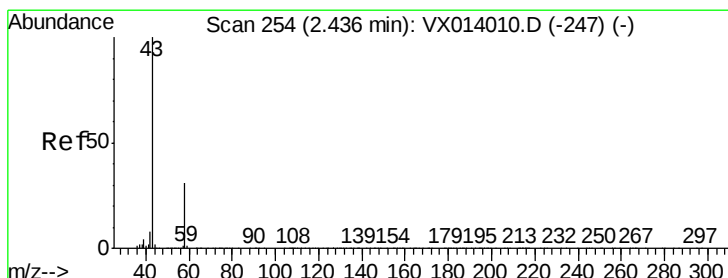
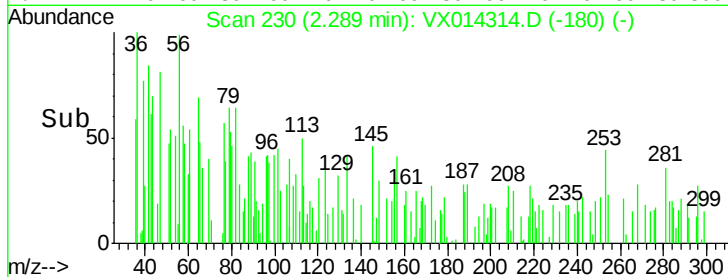
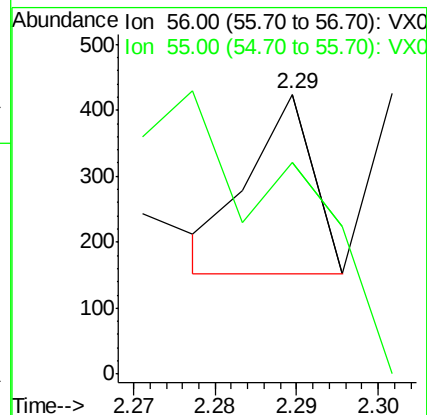
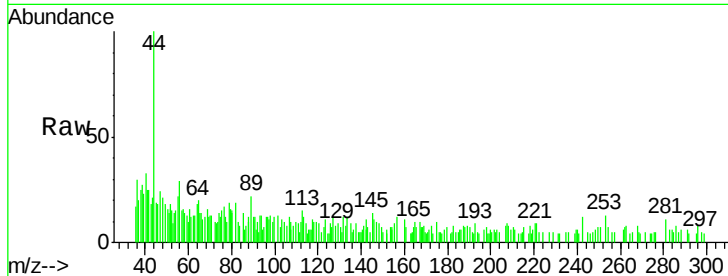
TB

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 2.011 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014314.D

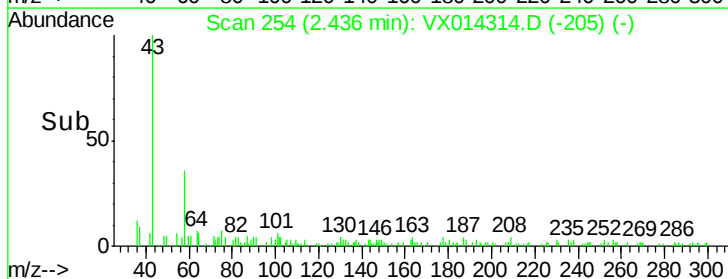
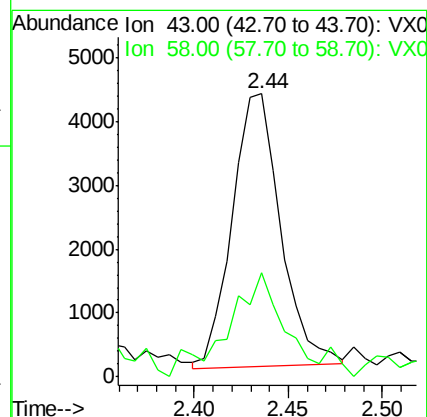
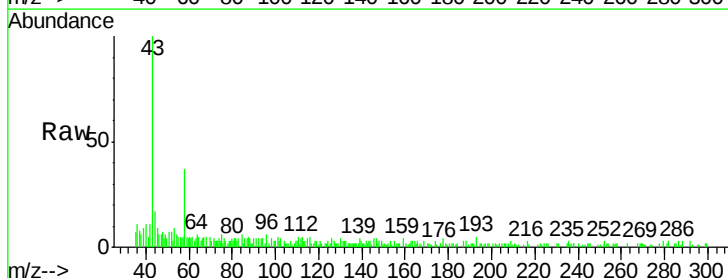
Acq: 27 Dec 2019 17:18

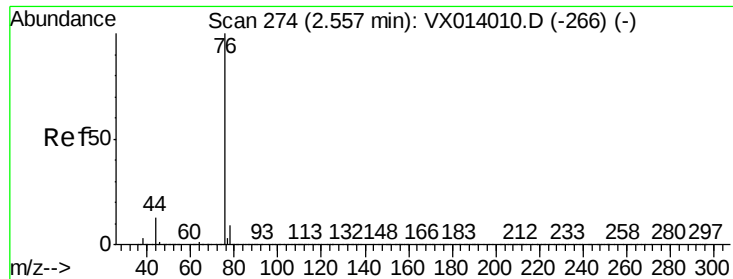
Tgt Ion: 43 Resp: 7616

Ion Ratio Lower Upper

43 100

58 33.6 24.9 37.3





#17

Carbon Disulfide

Concen: 0.867 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

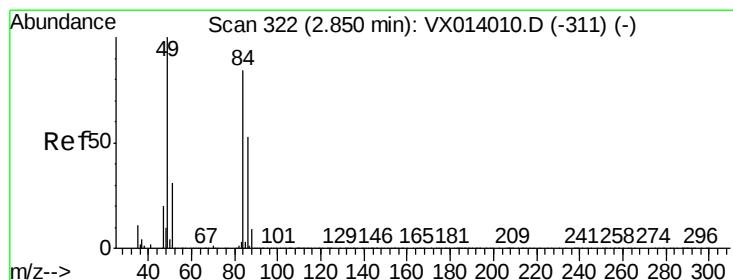
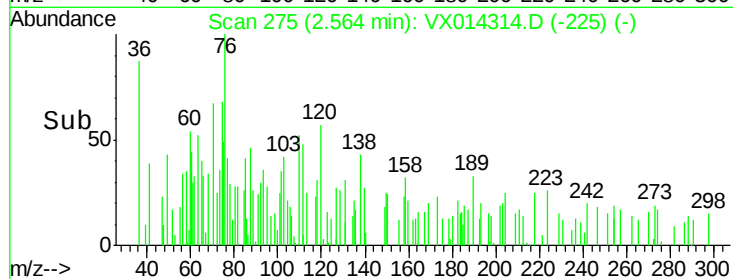
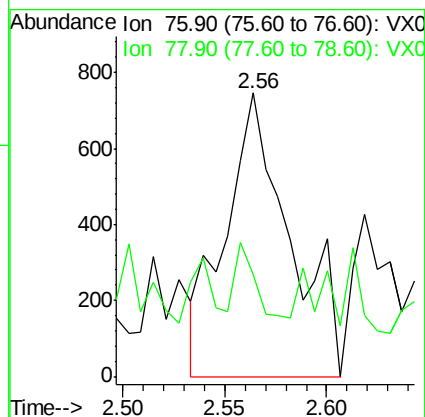
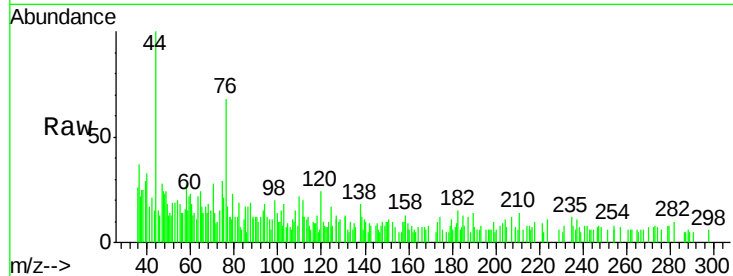
TB

Tgt Ion: 76 Resp: 1636

Ion Ratio Lower Upper

76 100

78 18.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.263 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Tgt Ion: 84 Resp: 1566

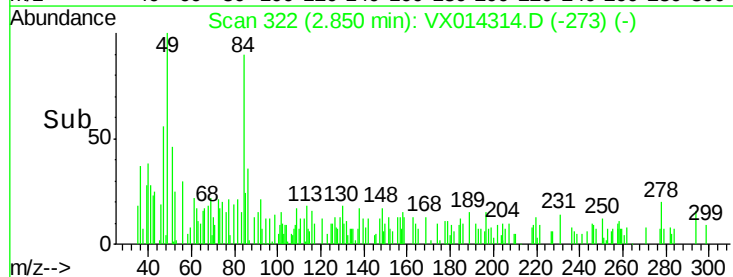
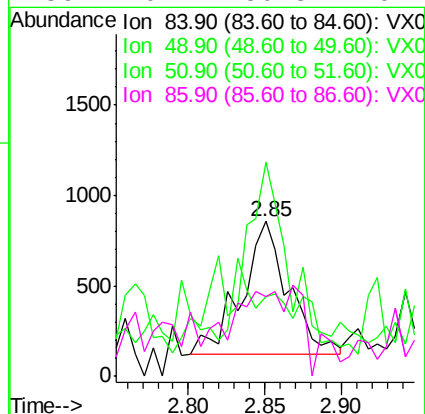
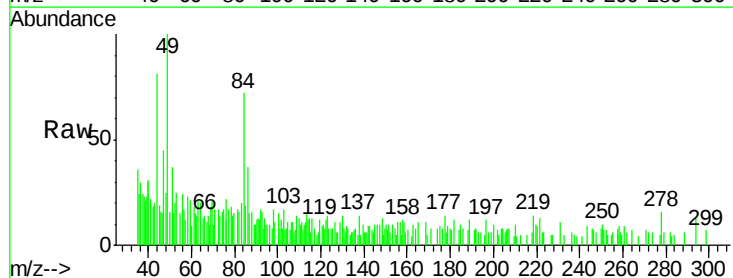
Ion Ratio Lower Upper

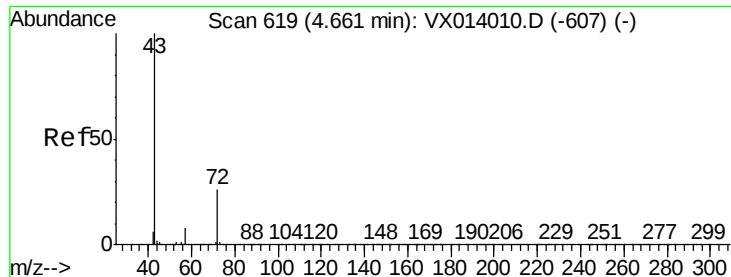
84 100

49 120.3 95.8 143.6

51 36.6 29.8 44.8

86 49.2 50.8 76.2#





#25

2-Butanone

Concen: 0.608 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

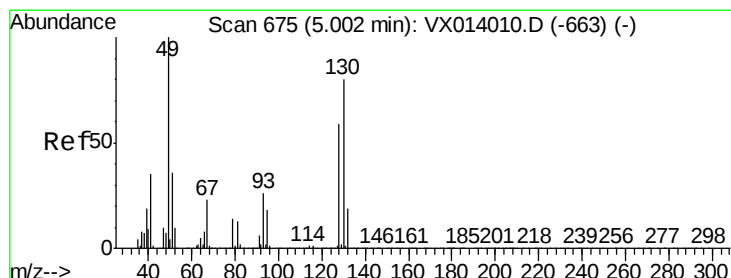
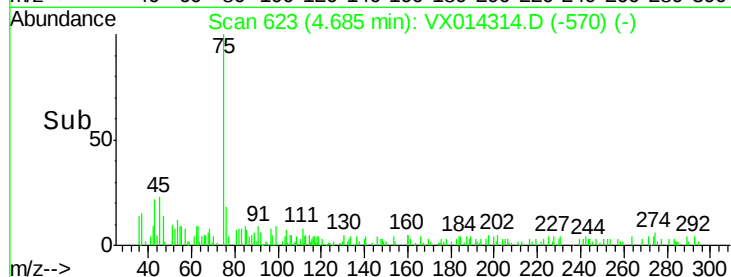
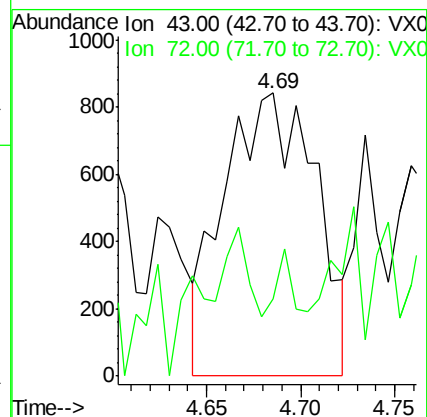
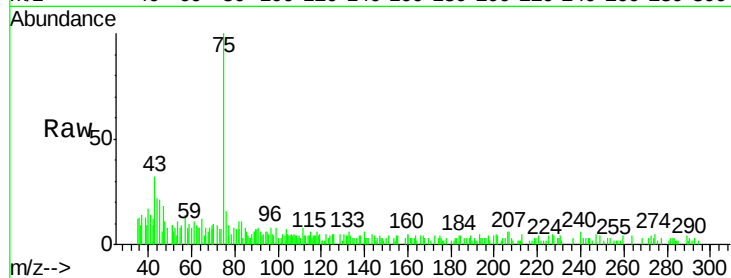
TB

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#28

Bromochloromethane

Concen: 0.521 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

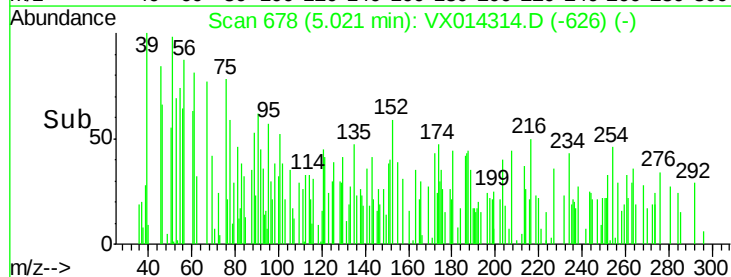
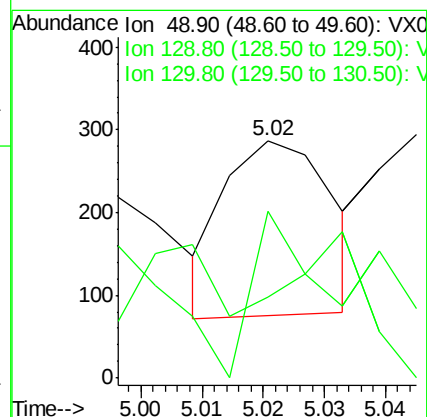
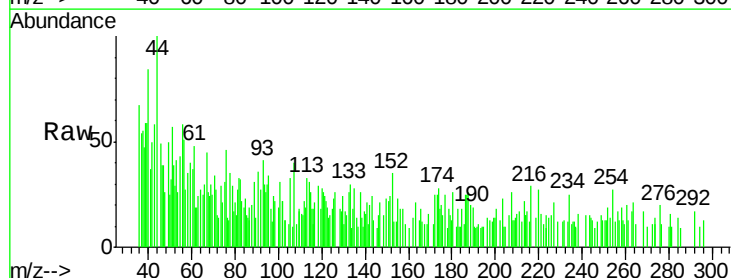
Tgt Ion: 49 Resp: 257

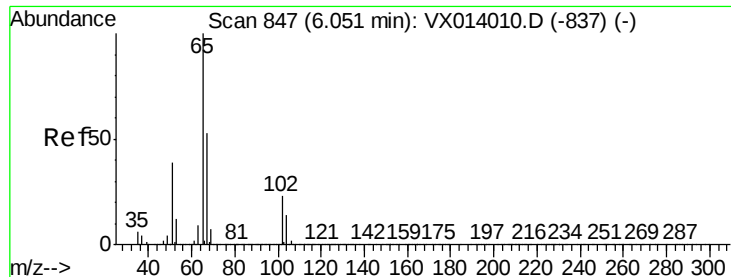
Ion Ratio Lower Upper

49 100

129 26.1 0.0 5.0#

130 59.1 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.718 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

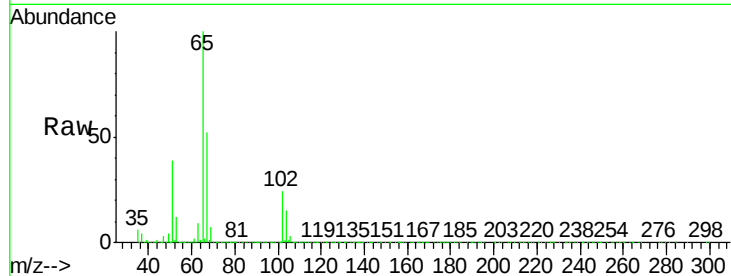
TB

Tgt Ion: 65 Resp: 290057

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

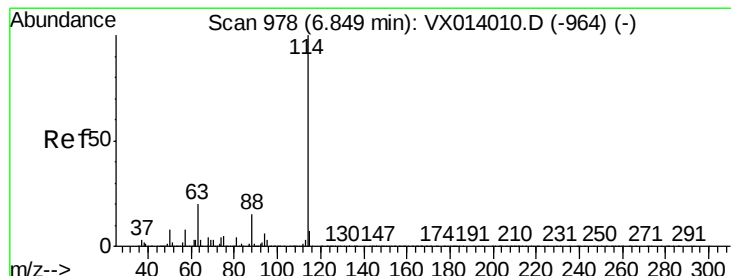
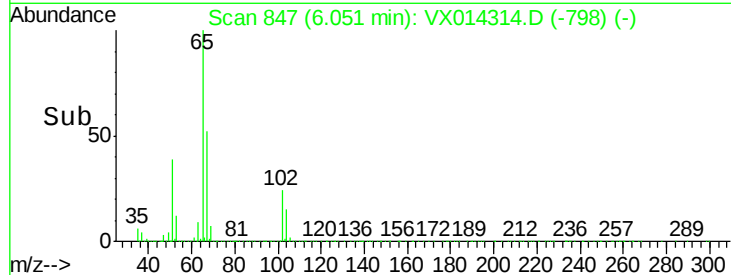
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

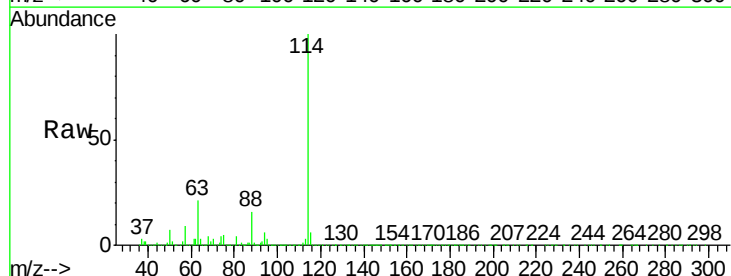
Tgt Ion: 114 Resp: 801950

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.8 0.0 30.4



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

6.85

400000

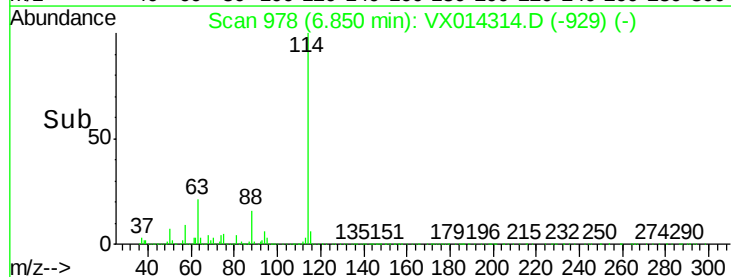
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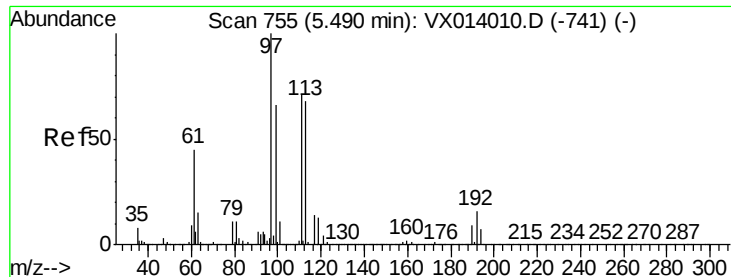
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.441 ug/l

RT: 5.49 min Scan# 755

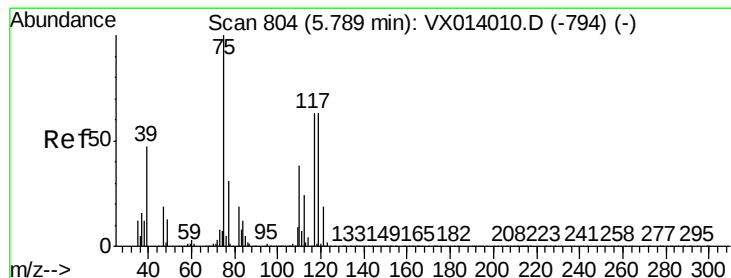
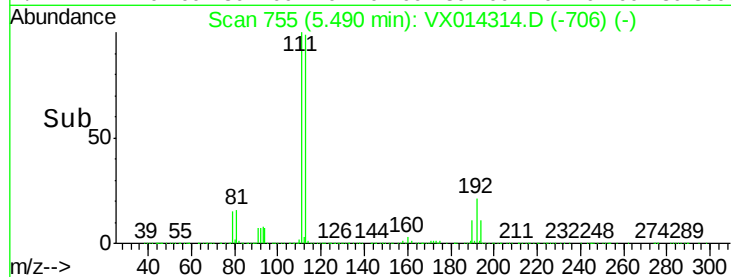
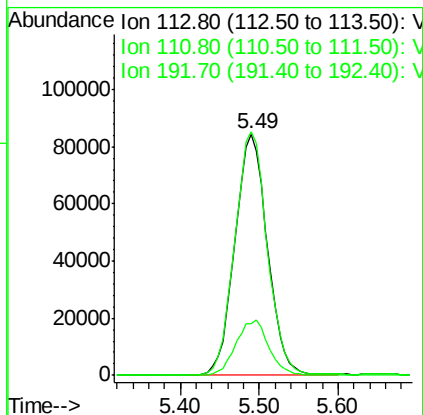
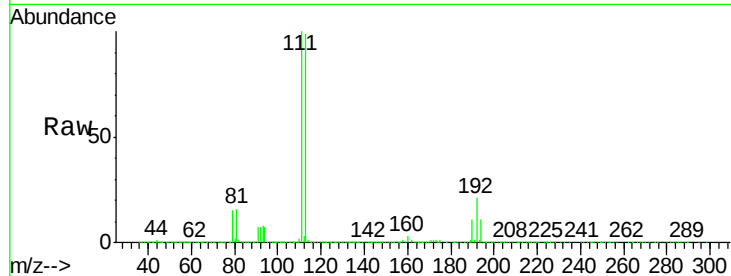
Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :
MSVOA_X
ClientSampled :
TB

Tgt Ion:	113	Resp:	241023
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	23.1	19.3	28.9



#36

1,1-Dichloropropene

Concen: 4.800 ug/l

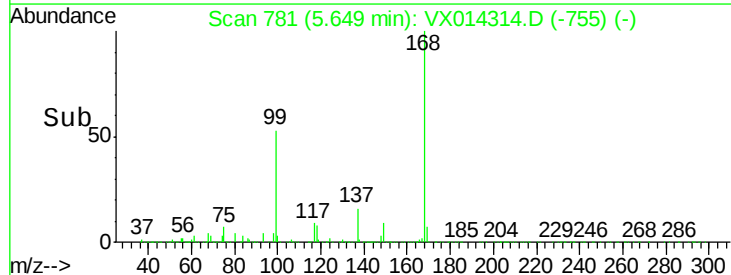
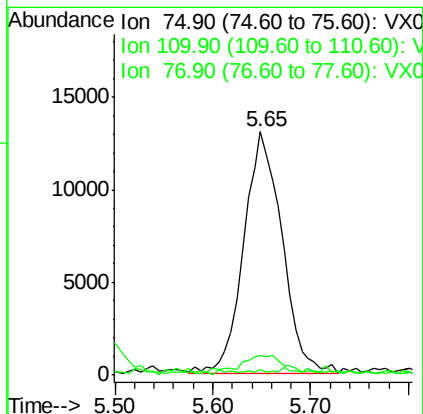
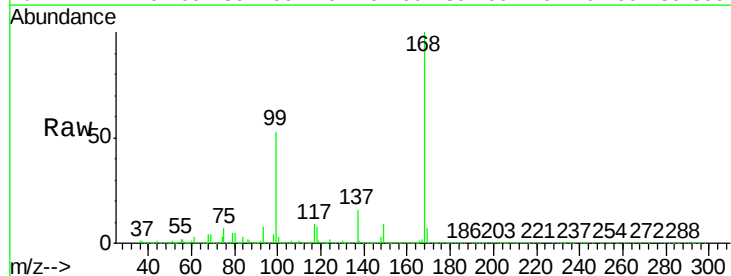
RT: 5.65 min Scan# 781

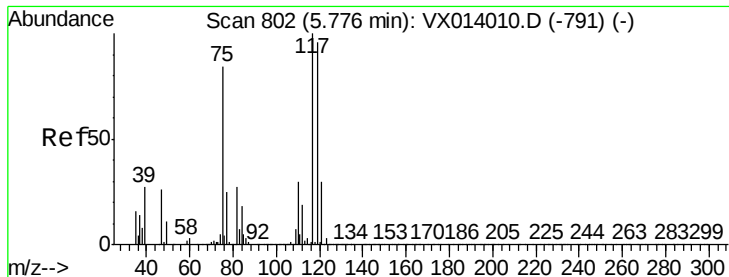
Delta R.T. -0.14 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Tgt Ion:	75	Resp:	35323
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.9#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.926 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

TB

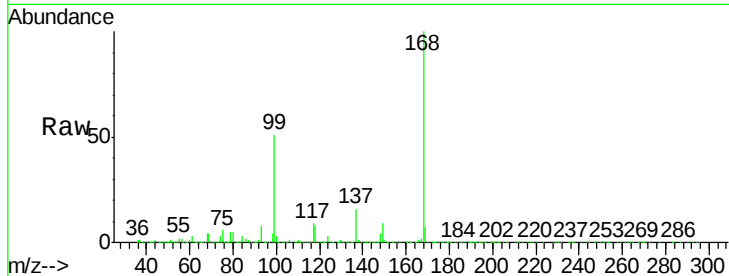
Tgt Ion: 117 Resp: 46425

Ion Ratio Lower Upper

117 100

119 2.2 76.2 114.4#

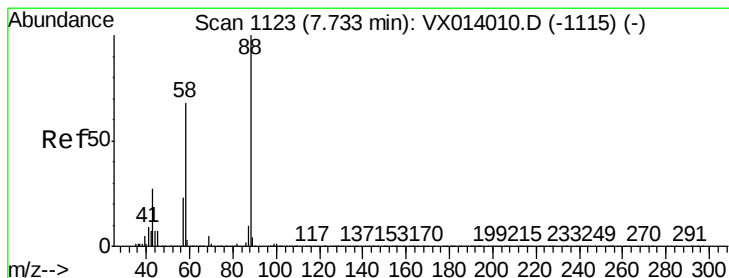
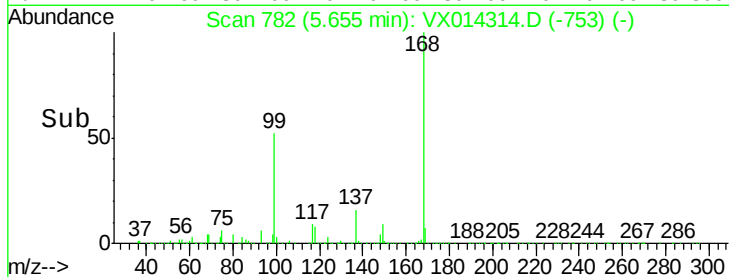
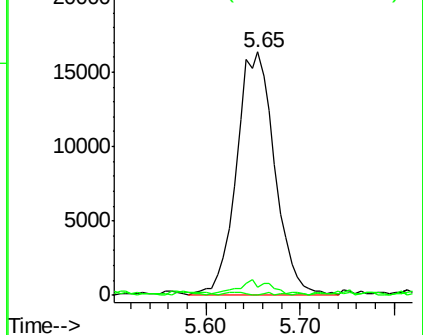
121 0.2 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.798 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

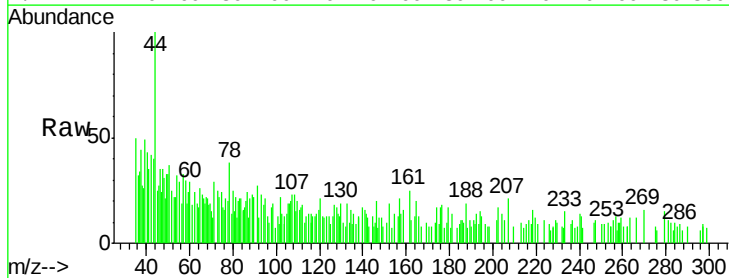
Tgt Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

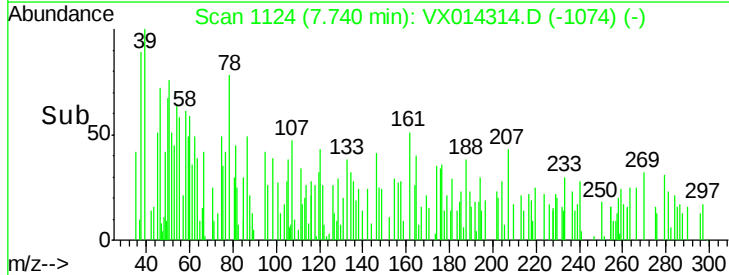
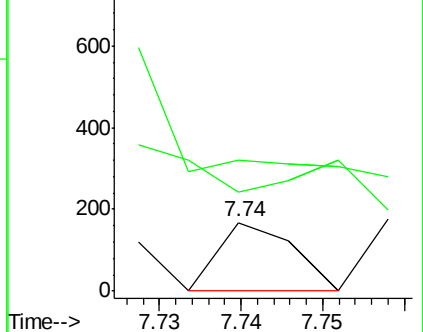
58 0.0 56.8 85.2#

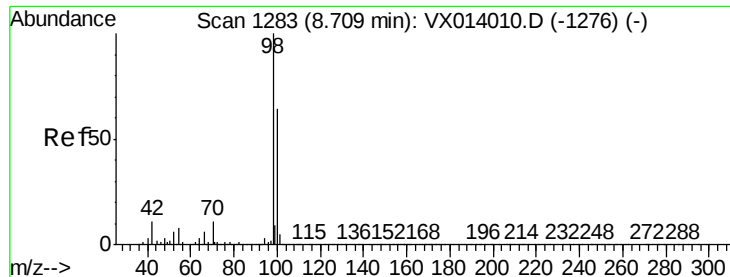


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.176 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

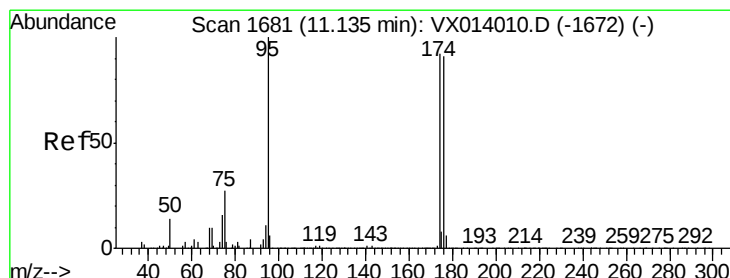
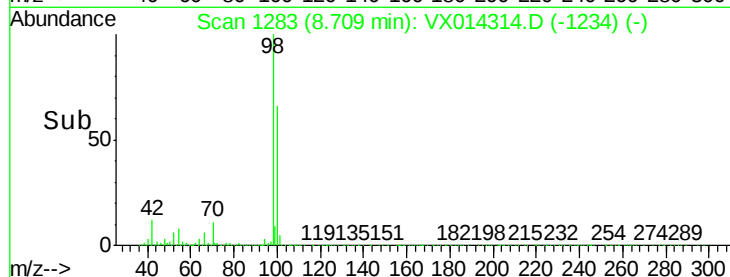
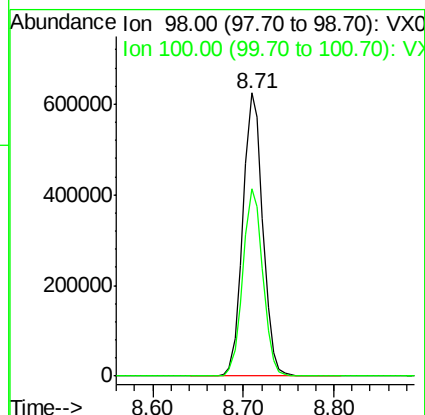
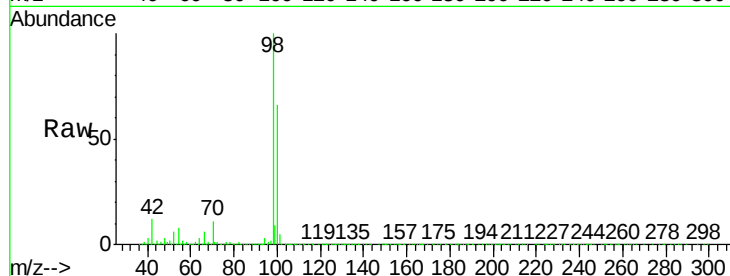
TB

Tgt Ion: 98 Resp: 952308

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.613 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

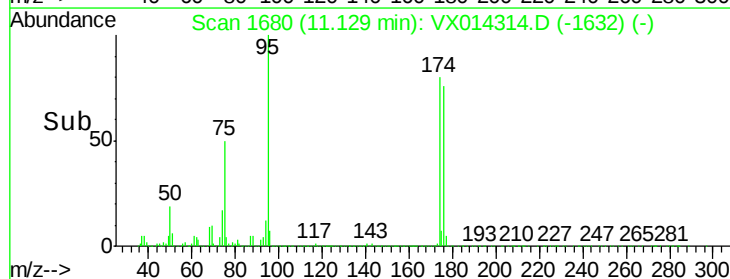
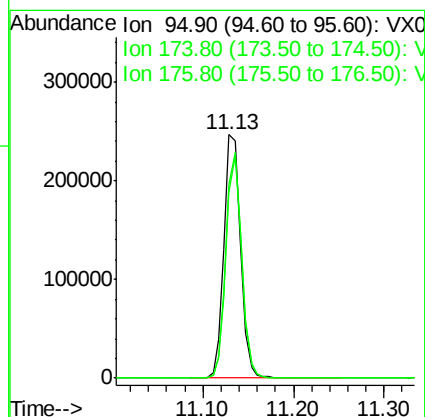
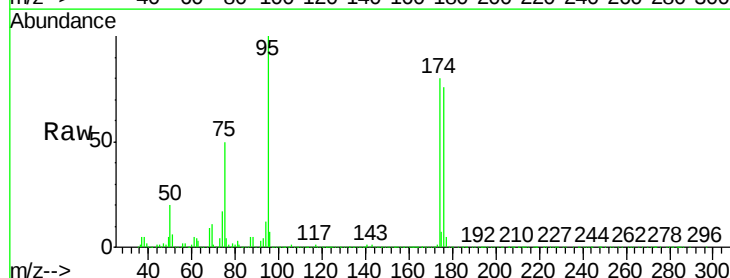
Tgt Ion: 95 Resp: 316453

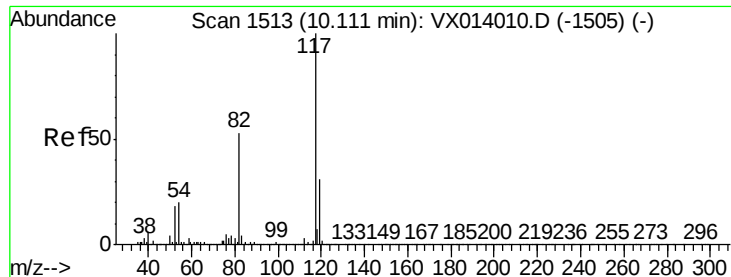
Ion Ratio Lower Upper

95 100

174 89.1 0.0 175.8

176 86.5 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

TB

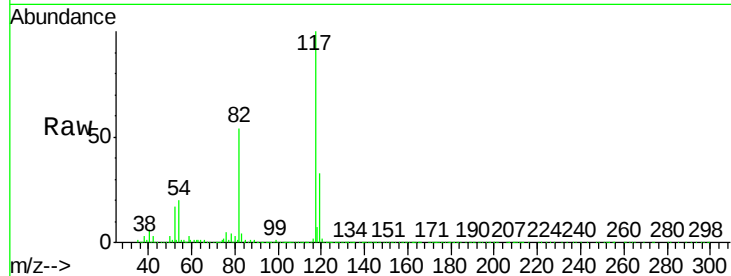
Tgt Ion:117 Resp: 712936

Ion Ratio Lower Upper

117 100

82 53.9 42.2 63.4

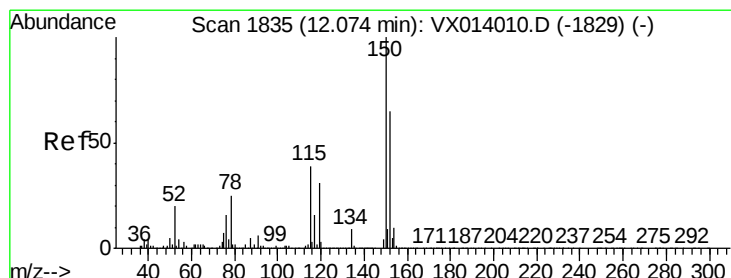
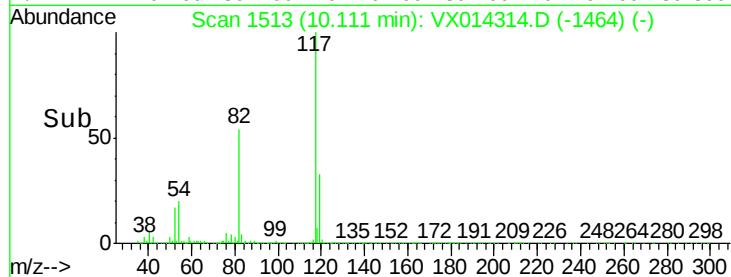
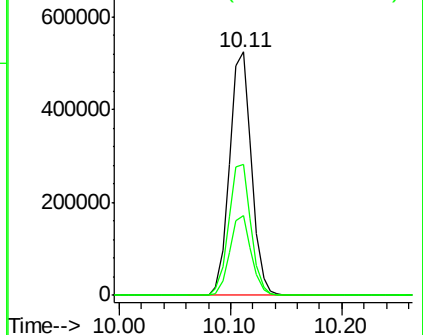
119 32.5 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX014314.D

Acq: 27 Dec 2019 17:18

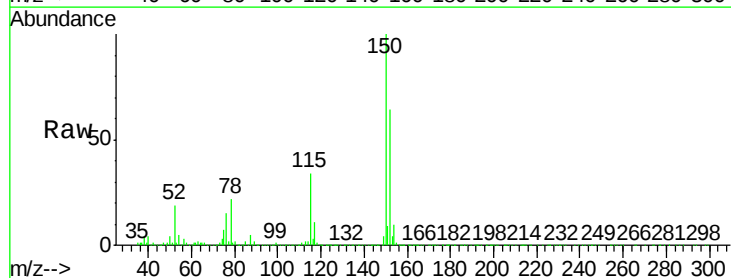
Tgt Ion:152 Resp: 315588

Ion Ratio Lower Upper

152 100

115 54.6 38.3 114.9

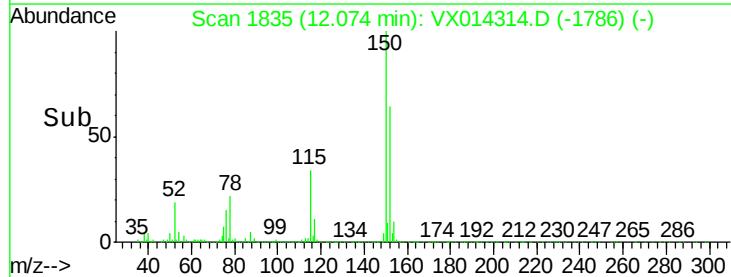
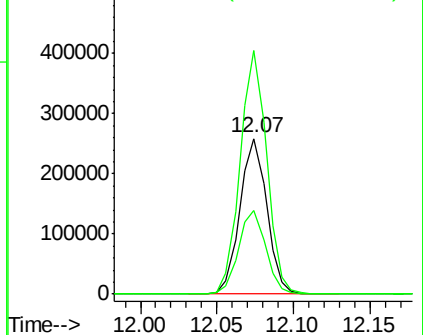
150 155.1 0.0 345.4

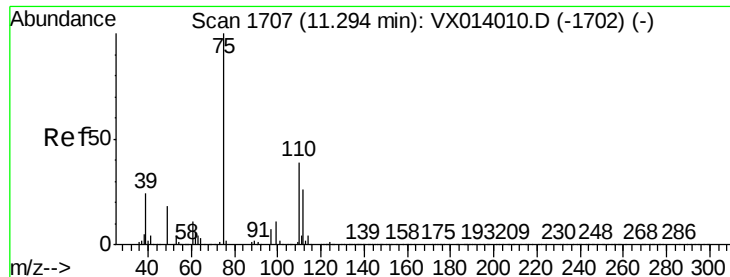


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.583 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

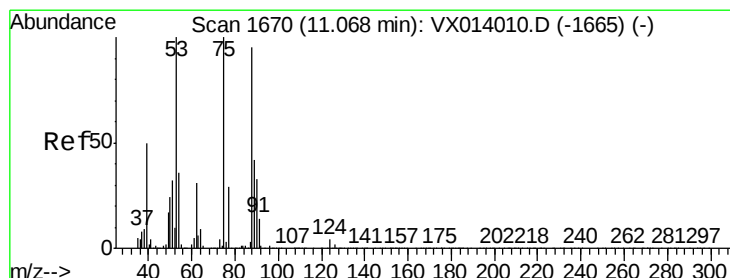
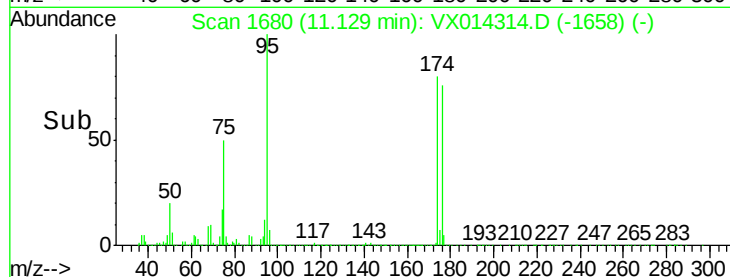
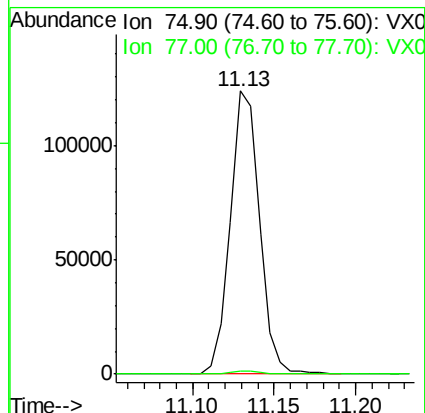
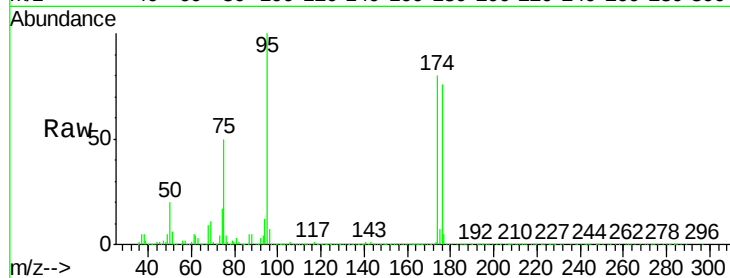
TB

Tgt Ion: 75 Resp: 154723

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.741 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014314.D

Acq: 27 Dec 2019 17:18

Tgt Ion: 75 Resp: 154723

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.2 34.6 51.8#

