

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013787.D
 Acq On : 06 Dec 2019 10:07
 Operator : JC/SP
 Sample : VX1206WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBL01

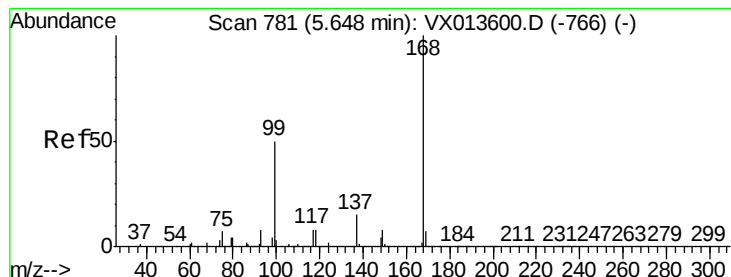
Quant Time: Dec 07 02:33:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	683302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1037830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	910169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	414049	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	372862	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	5.48	113	312077	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	1220408	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	414192	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2059	0.319	ug/l #	58
6) Chloroethane	1.58	64	4185	0.766	ug/l #	58
11) Tert butyl alcohol	3.03	59	705	0.360	ug/l #	1
13) Acrolein	2.27	56	938	6.703	ug/l #	39
15) Acrylonitrile	3.13	53	865	0.214	ug/l #	73
16) Acetone	2.42	43	4153	1.061	ug/l #	88
17) Carbon Disulfide	2.56	76	4385	0.237	ug/l #	87
20) Methylene Chloride	2.84	84	1601	0.213	ug/l #	83
36) 1,1-Dichloropropene	5.64	75	44806	4.756	ug/l #	48
38) Carbon Tetrachloride	5.64	117	59633	6.865	ug/l #	14
49) 1,4-Dioxane	7.73	88	97	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	201654	21.654	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	201654	59.241	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013787.D

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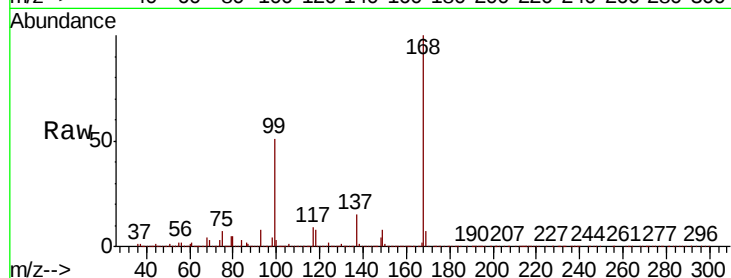
VX1206WBL01

Tot Ion:168 Resp: 683302

Ion Ratio Lower Upper

168 100

99 50.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

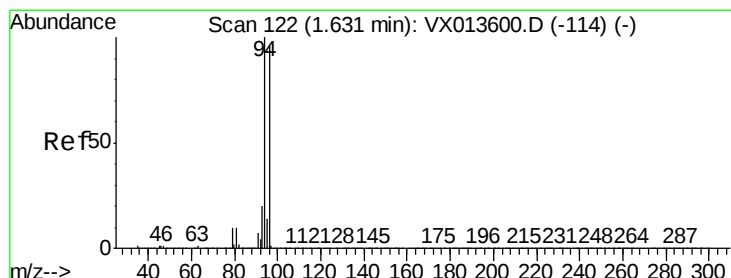
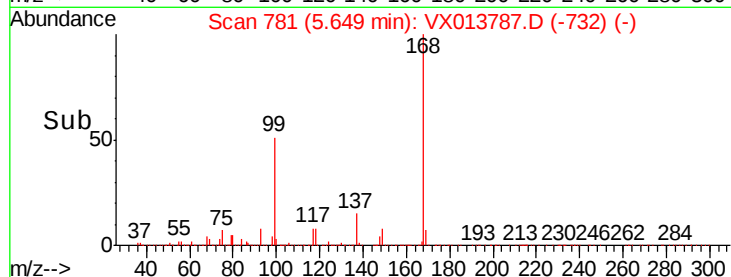
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.319 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013787.D

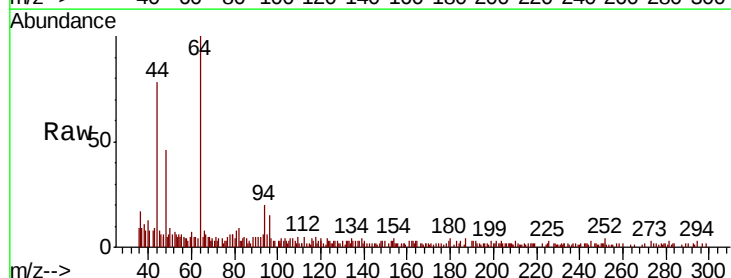
Acq: 06 Dec 2019 10:07

Tgt Ion: 94 Resp: 2059

Ion Ratio Lower Upper

94 100

96 55.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1200

1000

800

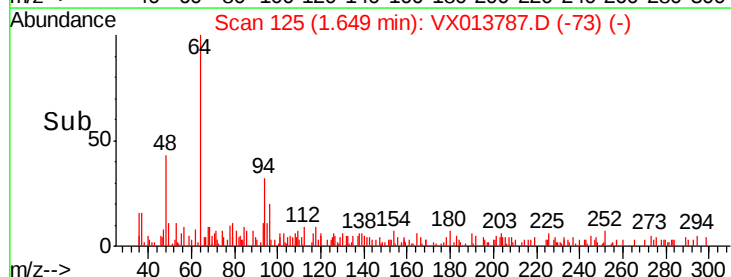
600

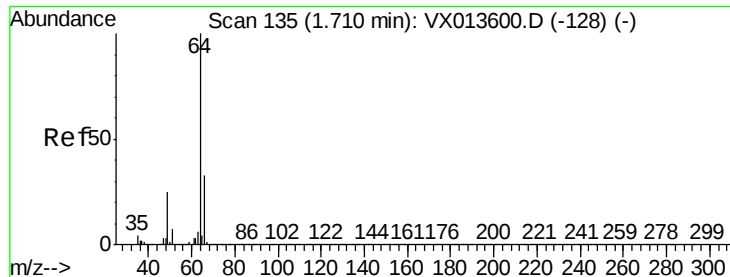
400

200

0

Time-->





#6

Chloroethane

Concen: 0.766 ug/l

RT: 1.58 min Scan# 113

Delta R.T. -0.13 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

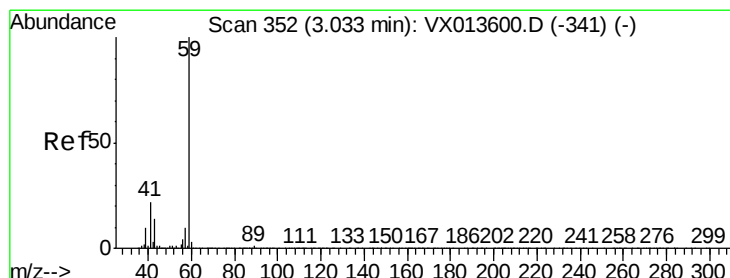
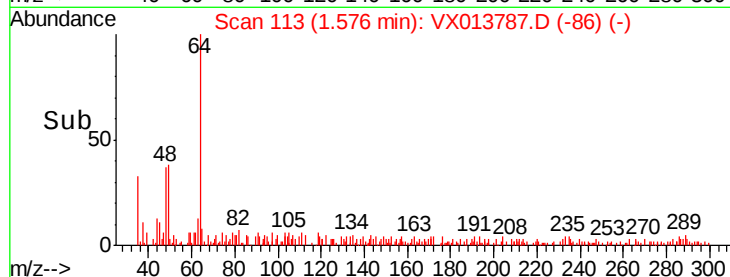
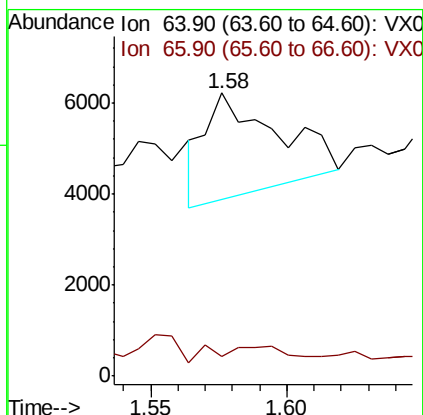
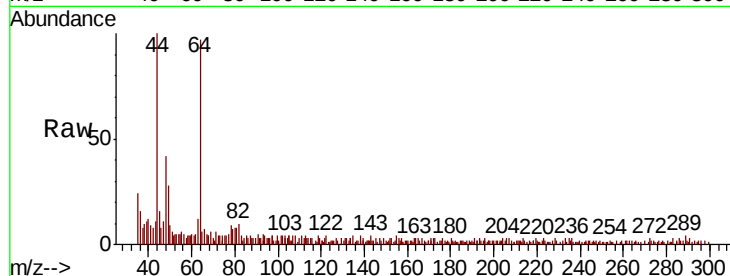
VX1206WBL01

Tot Ion: 64 Resp: 4185

Ion Ratio Lower Upper

64 100

66 9.6 26.7 40.1#



#11

Tert butyl alcohol

Concen: 0.360 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX013787.D

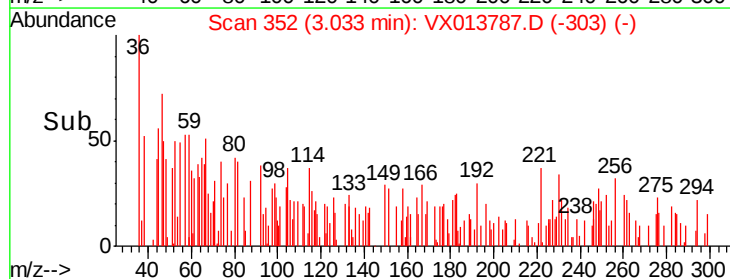
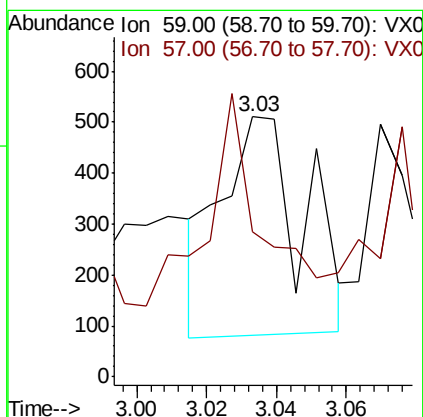
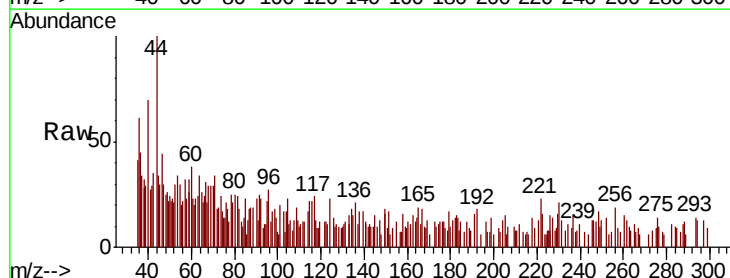
Acq: 06 Dec 2019 10:07

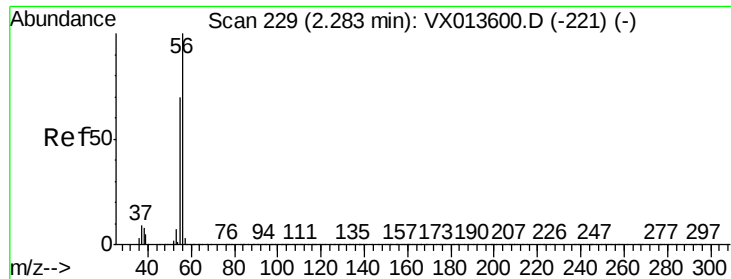
Tgt Ion: 59 Resp: 705

Ion Ratio Lower Upper

59 100

57 60.4 7.8 11.6#





#13

Acrolein

Concen: 6.703 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

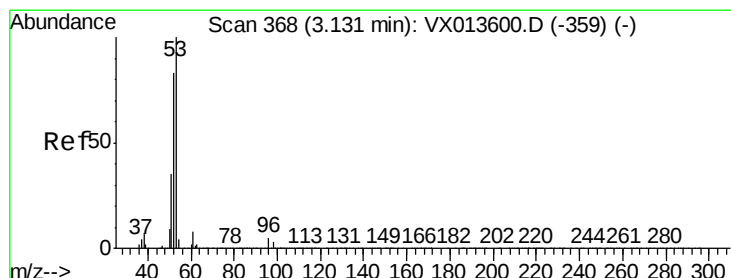
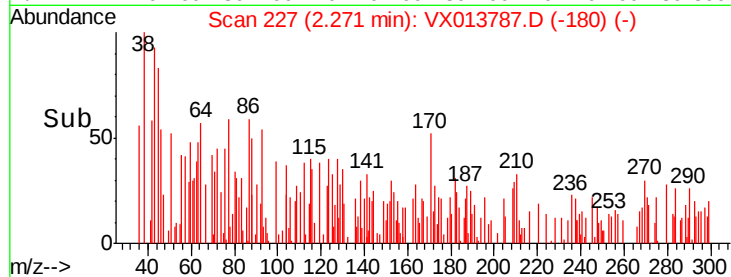
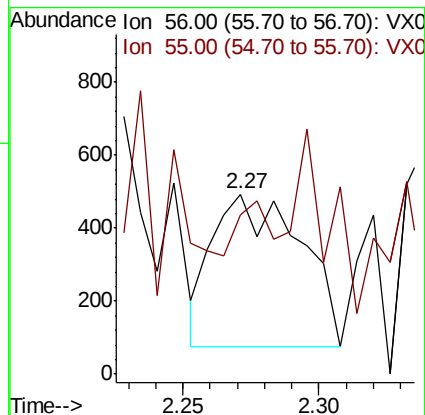
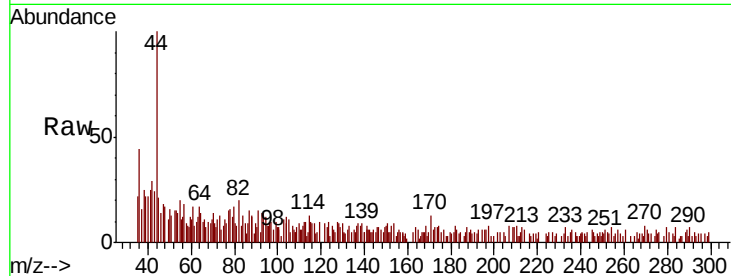
VX1206WBL01

Tot Ion: 56 Resp: 938

Ion Ratio Lower Upper

56 100

55 19.7 56.2 84.4#



#15

Acrylonitrile

Concen: 0.214 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

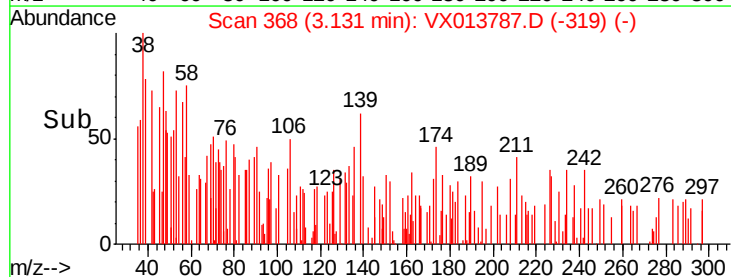
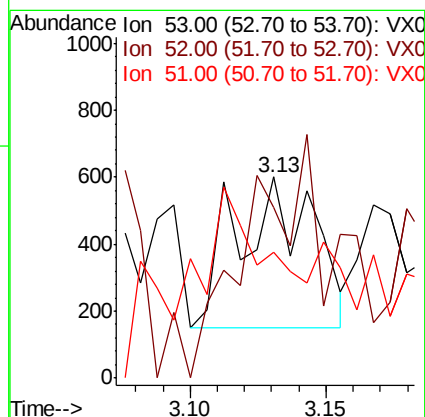
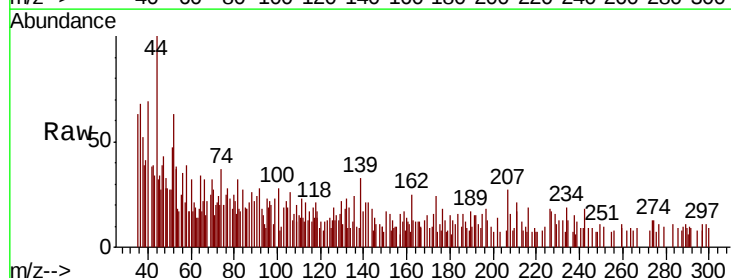
Tgt Ion: 53 Resp: 865

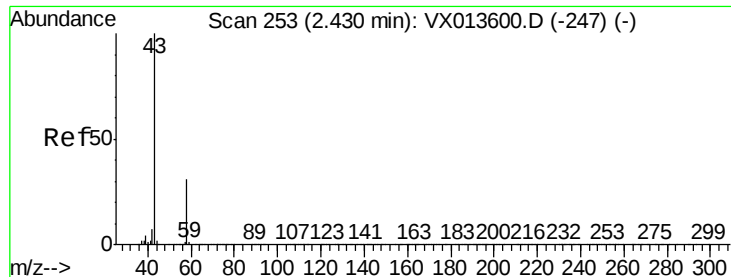
Ion Ratio Lower Upper

53 100

52 98.5 66.2 99.2

51 65.5 29.0 43.6#





#16

Acetone

Concen: 1.061 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

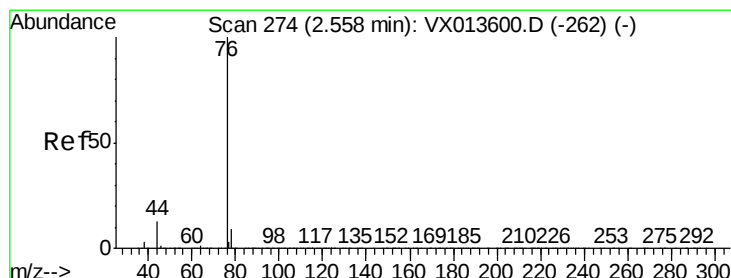
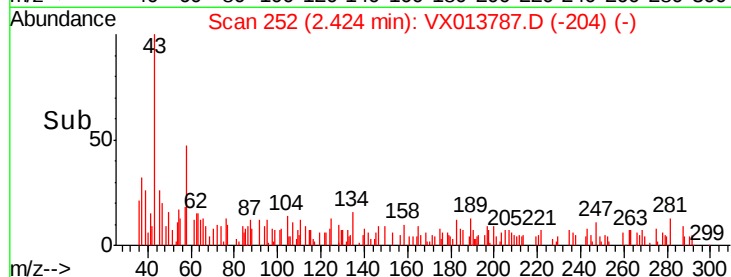
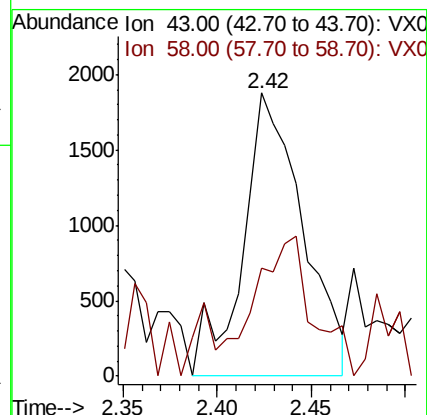
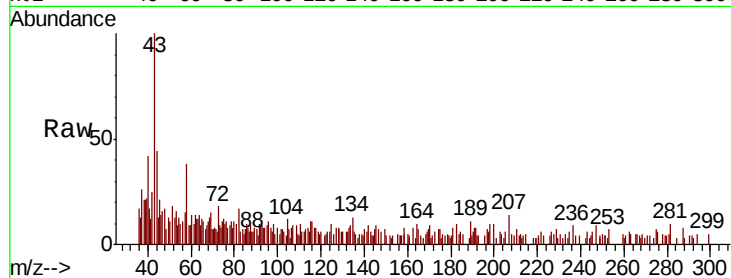
VX1206WBL01

Tot Ion: 43 Resp: 4153

Ion Ratio Lower Upper

43 100

58 24.4 24.6 36.8#



#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013787.D

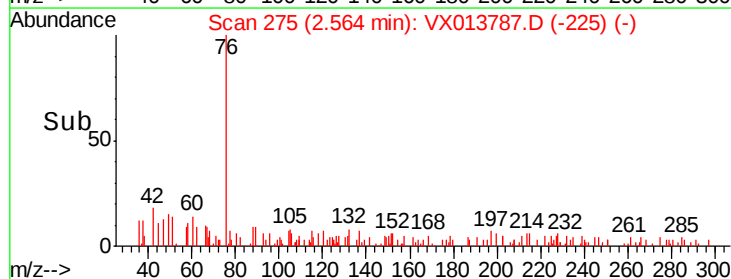
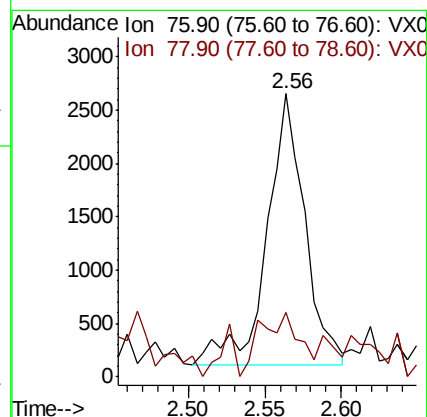
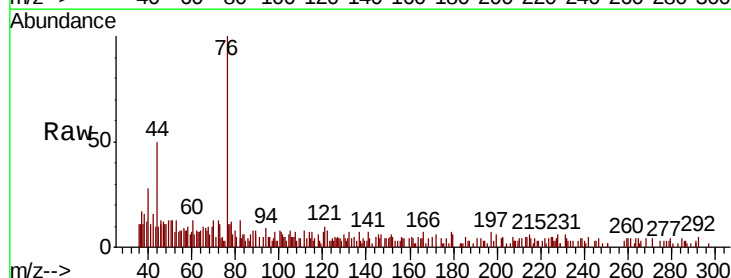
Acq: 06 Dec 2019 10:07

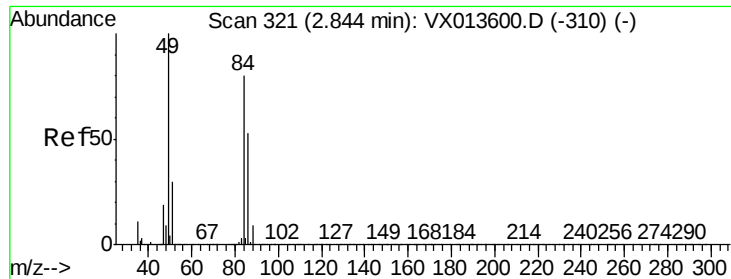
Tgt Ion: 76 Resp: 4385

Ion Ratio Lower Upper

76 100

78 13.6 7.2 10.8#

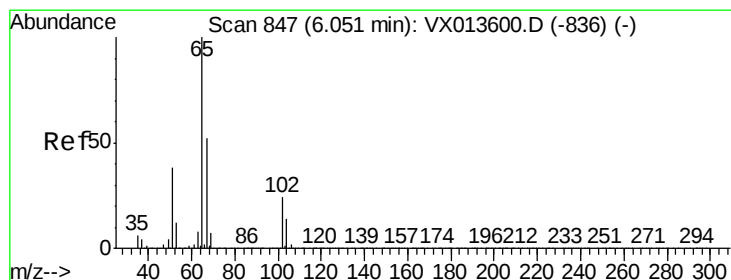
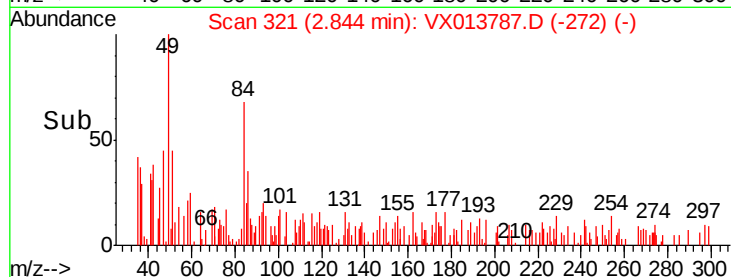
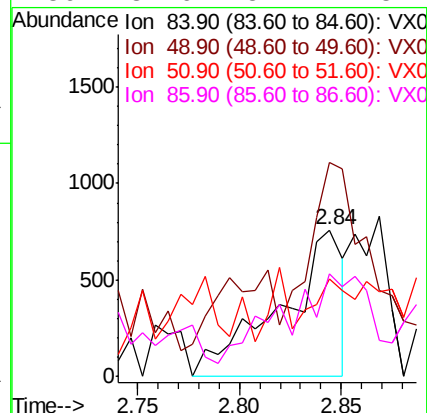
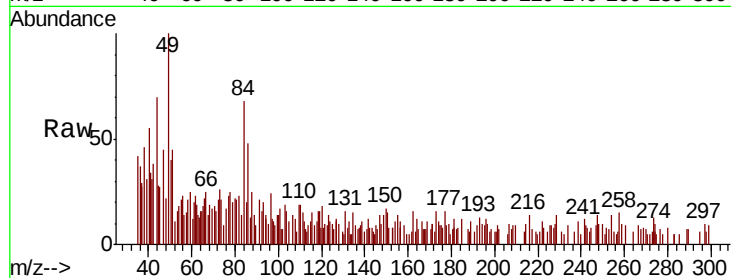




#20
Methvlene Chloride
Concen: 0.213 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013787.D
Acq: 06 Dec 2019 10:07

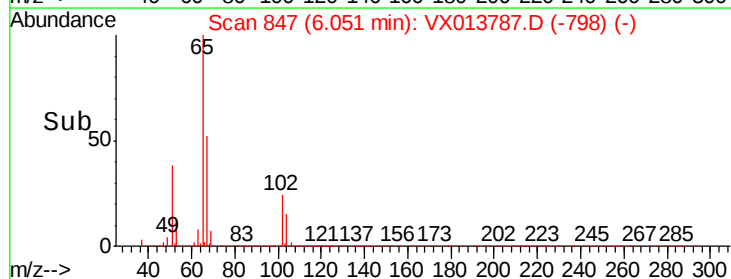
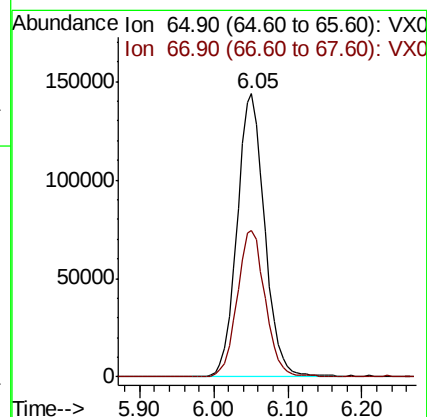
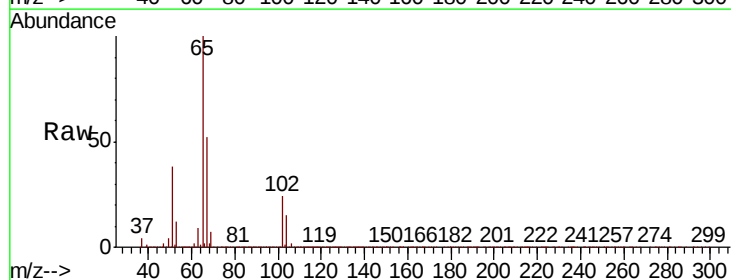
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBL01

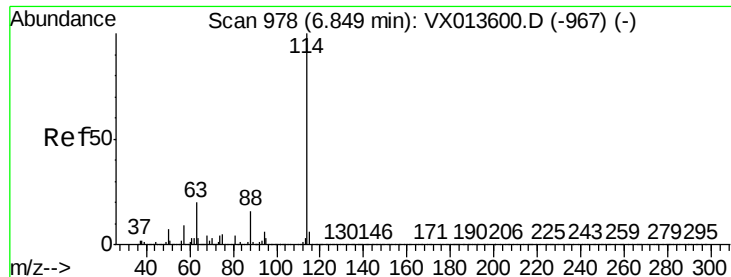
Tot Ion: 84 Resp: 1601
Ion Ratio Lower Upper
84 100
49 124.5 99.7 149.5
51 17.3 29.9 44.9#
86 34.6 52.2 78.4#



#33
1,2-Dichloroethane-d4
Concen: 47.010 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013787.D
Acq: 06 Dec 2019 10:07

Tgt Ion: 65 Resp: 372862
Ion Ratio Lower Upper
65 100
67 52.9 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: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

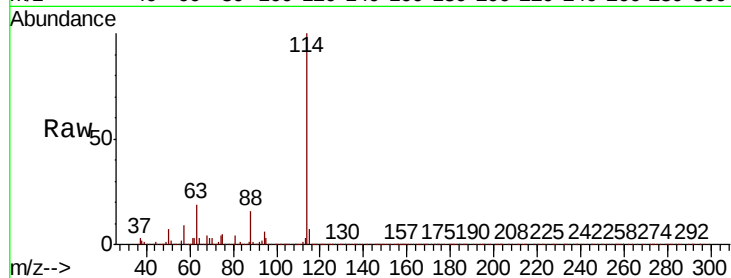
Tot Ion:114 Resp: 1037830

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

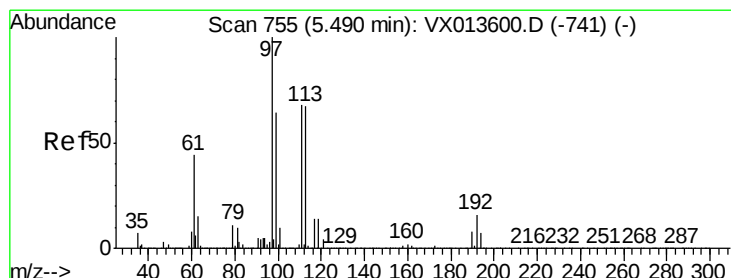
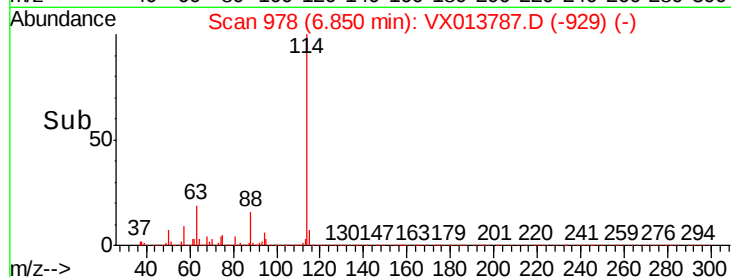
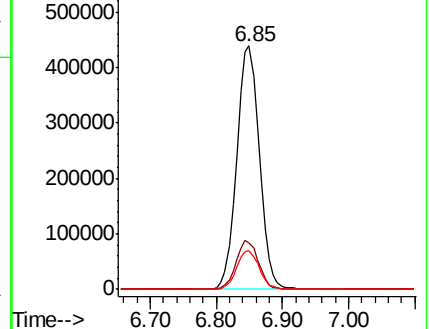
88 15.8 0.0 31.4



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: 48.641 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

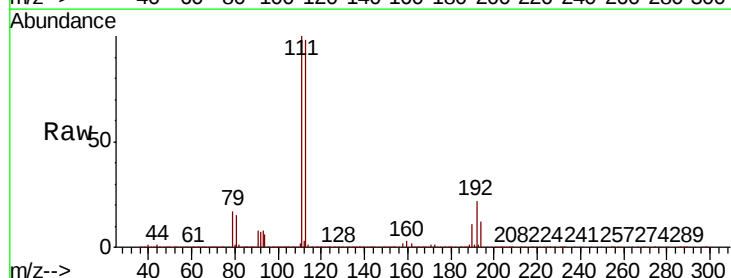
Tgt Ion:113 Resp: 312077

Ion Ratio Lower Upper

113 100

111 102.3 83.6 125.4

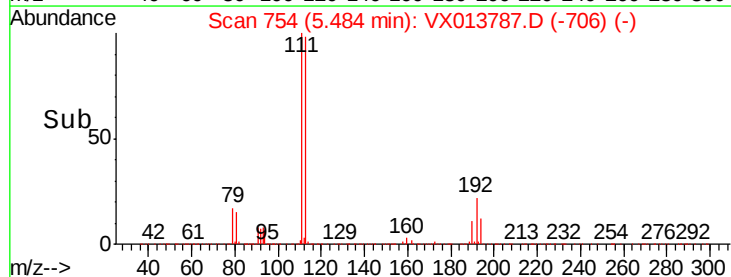
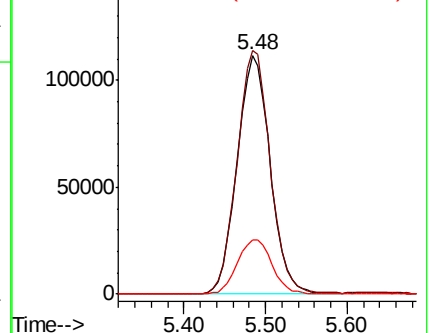
192 23.8 19.2 28.8

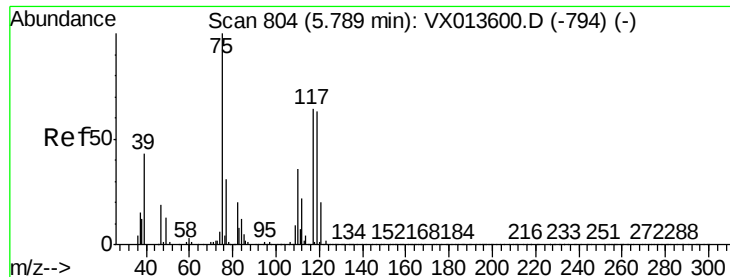


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

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VX1206WBL01

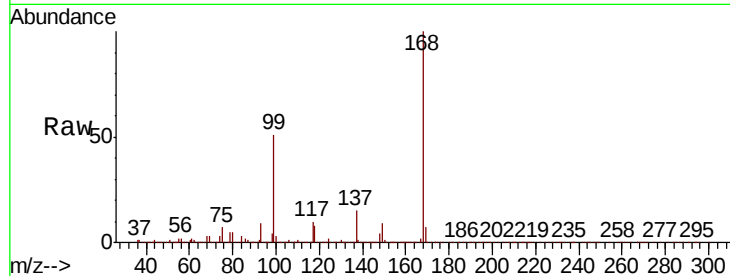
Tot Ion: 75 Resp: 44806

Ion Ratio Lower Upper

75 100

110 7.4 18.1 54.1#

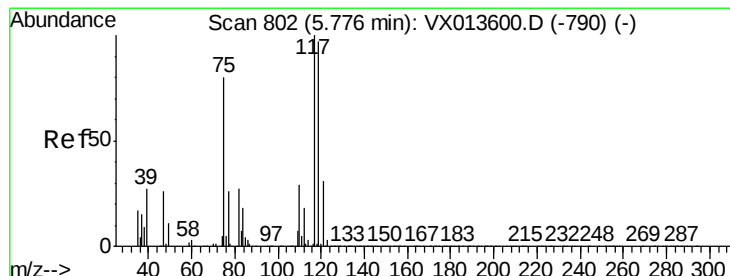
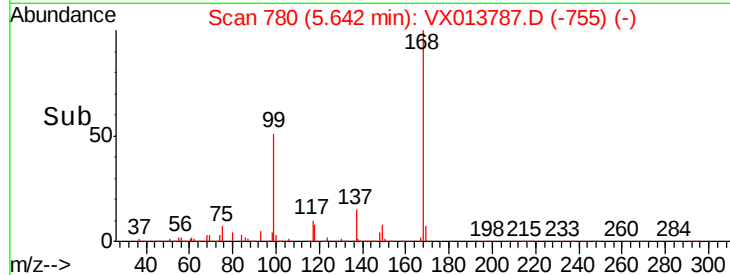
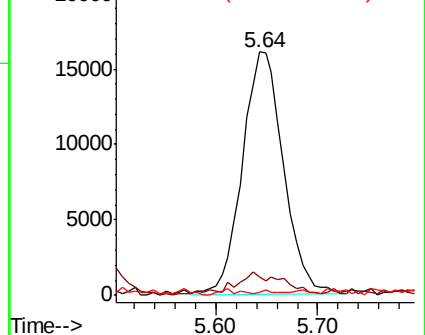
77 0.2 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.865 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

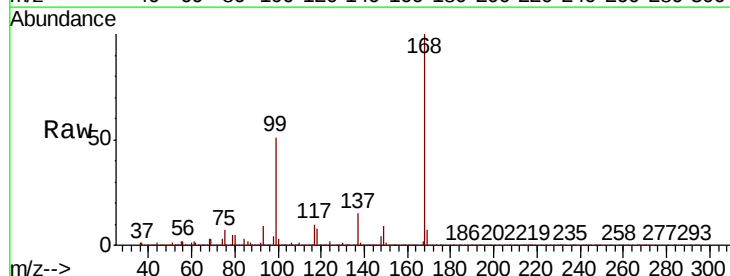
Tgt Ion: 117 Resp: 59633

Ion Ratio Lower Upper

117 100

119 3.7 77.5 116.3#

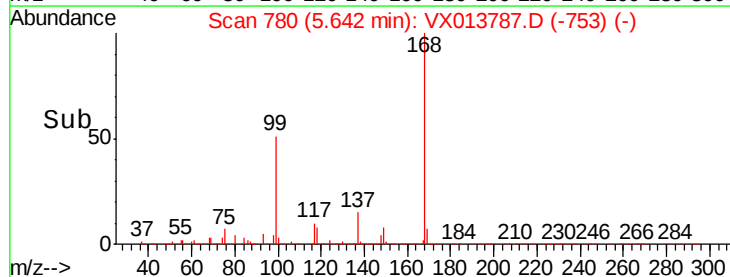
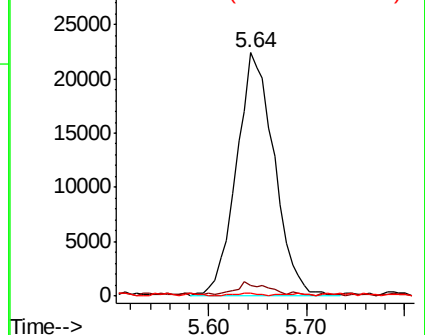
121 0.1 25.0 37.6#

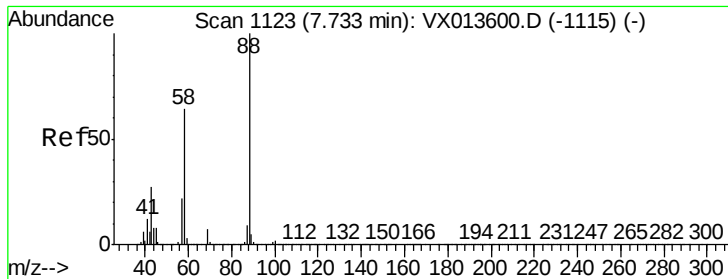


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.513 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

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VX1206WBL01

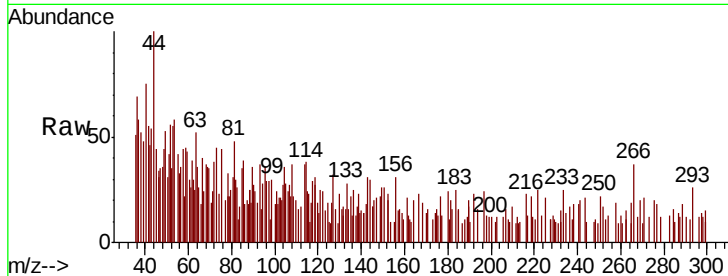
Tot Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

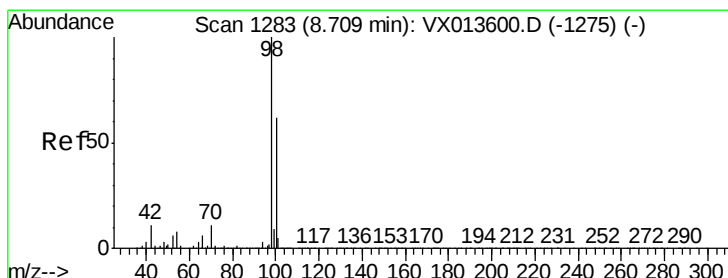
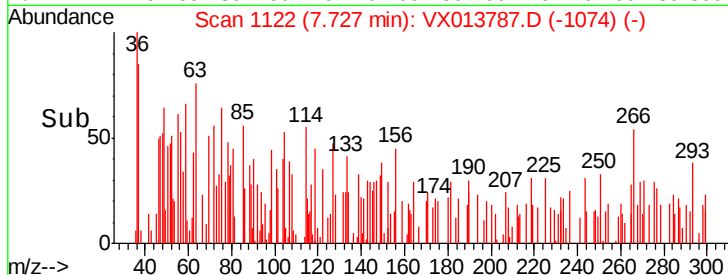
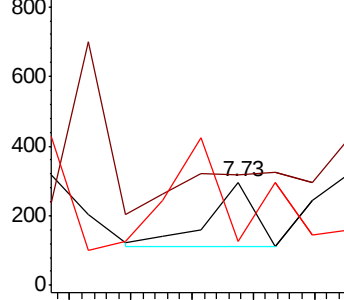
58 244.3 54.6 82.0#



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: 48.821 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013787.D

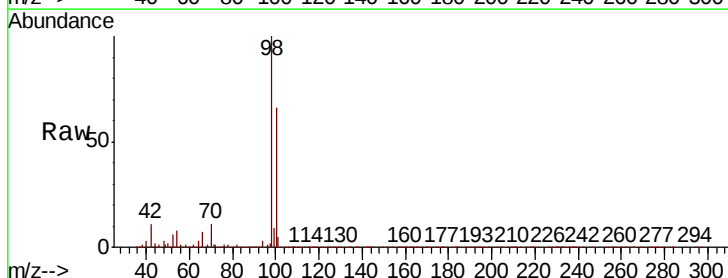
Acq: 06 Dec 2019 10:07

Tgt Ion: 98 Resp: 1220408

Ion Ratio Lower Upper

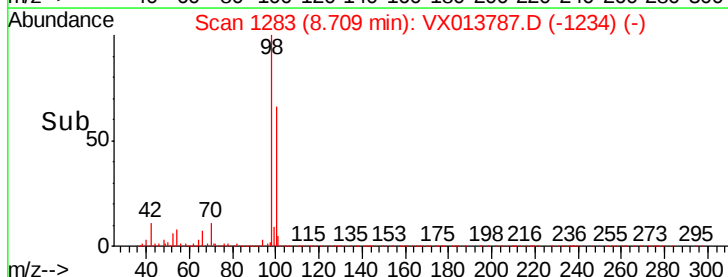
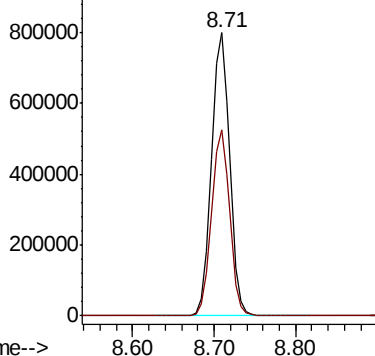
98 100

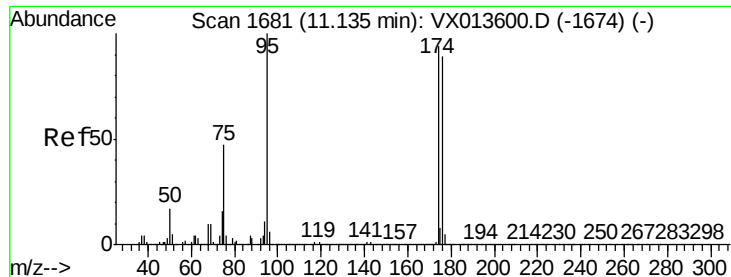
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.949 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

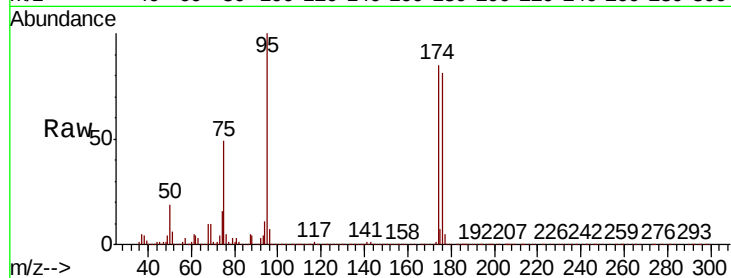
Tot Ion: 95 Resp: 414192

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

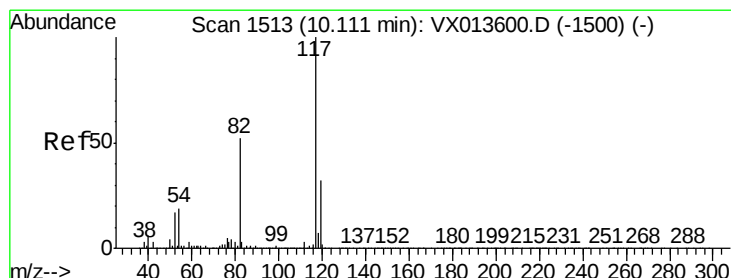
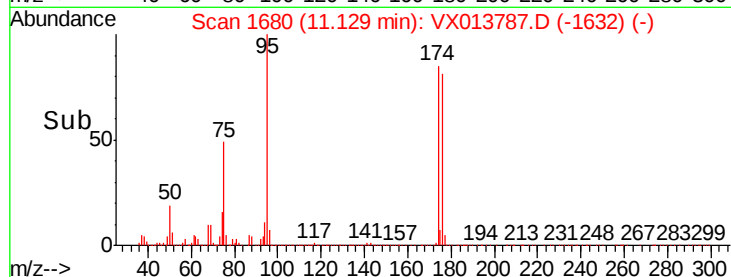
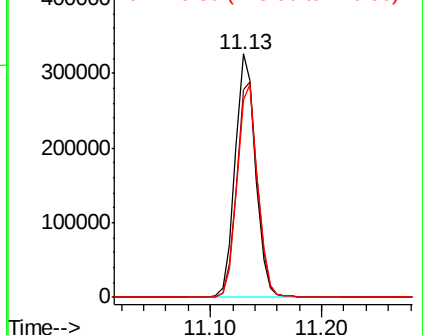
176 87.9 0.0 173.6



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# 1512

Delta R.T. -0.01 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

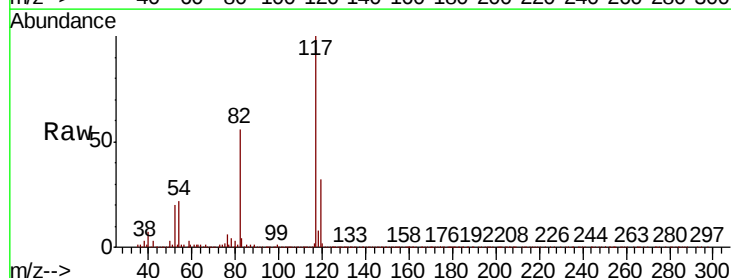
Tgt Ion: 117 Resp: 910169

Ion Ratio Lower Upper

117 100

82 55.9 41.8 62.8

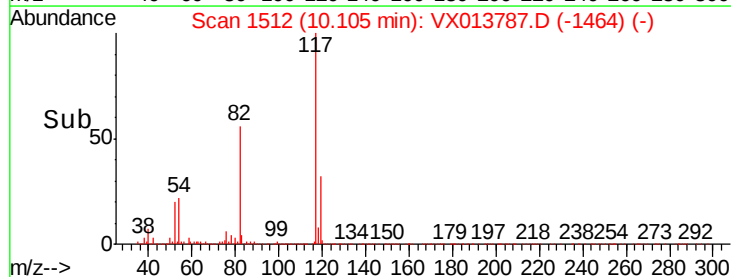
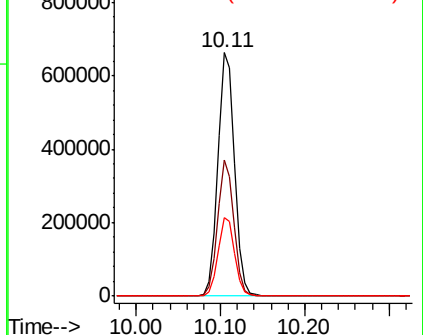
119 32.4 25.8 38.8

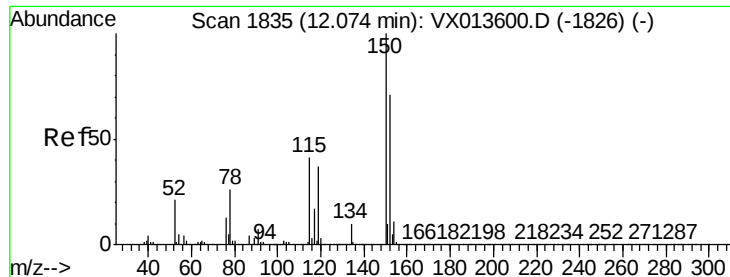


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

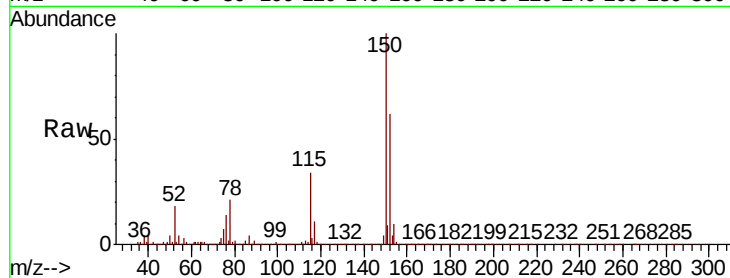
Tot Ion:152 Resp: 414049

Ion Ratio Lower Upper

152 100

115 55.1 38.4 115.1

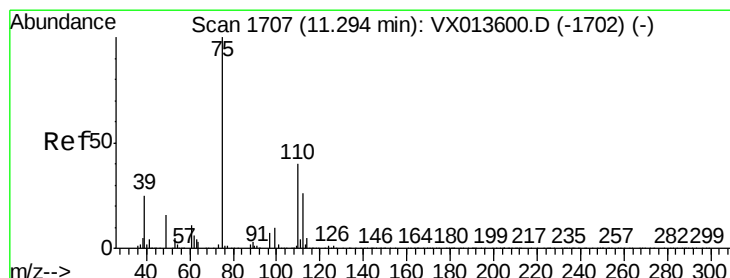
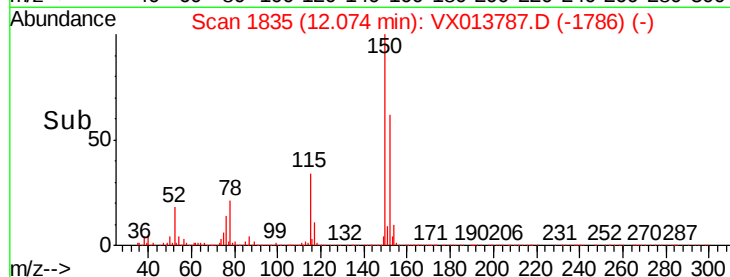
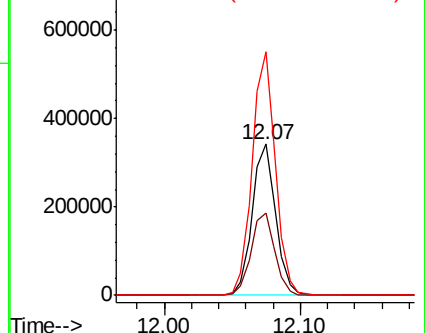
150 159.2 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.654 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013787.D

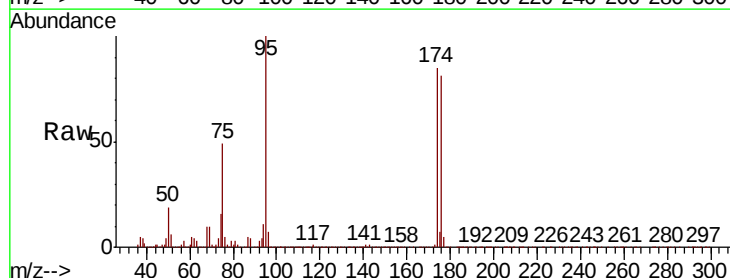
Acq: 06 Dec 2019 10:07

Tgt Ion: 75 Resp: 201654

Ion Ratio Lower Upper

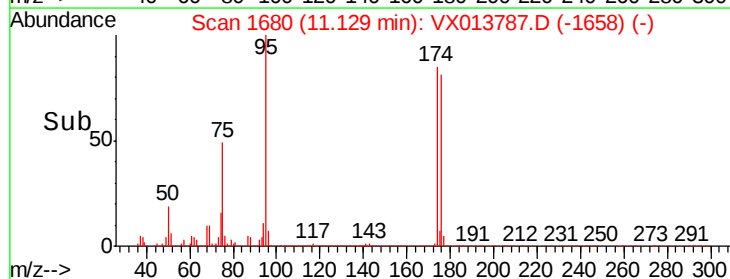
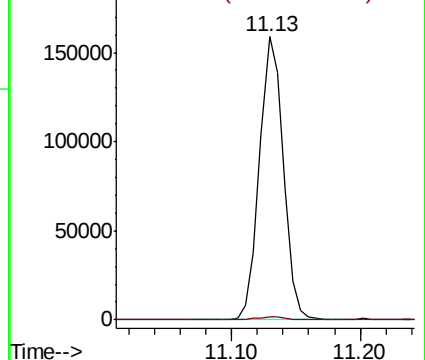
75 100

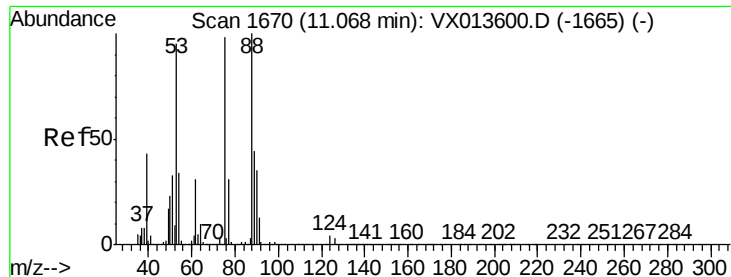
77 1.3 19.1 57.5#



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: 59.241 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013787.D

Acq: 06 Dec 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBL01

Tot Ion: 75 Resp: 201654

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#

