

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111919\
 Data File : VX013455.D
 Acq On : 19 Nov 2019 10:35
 Operator : JC/SP
 Sample : VX1119WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBL01

Quant Time: Nov 19 16:12:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	736276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1194203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1044867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	464571	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	434145	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	5.48	113	358016	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	1413295	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	473151	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

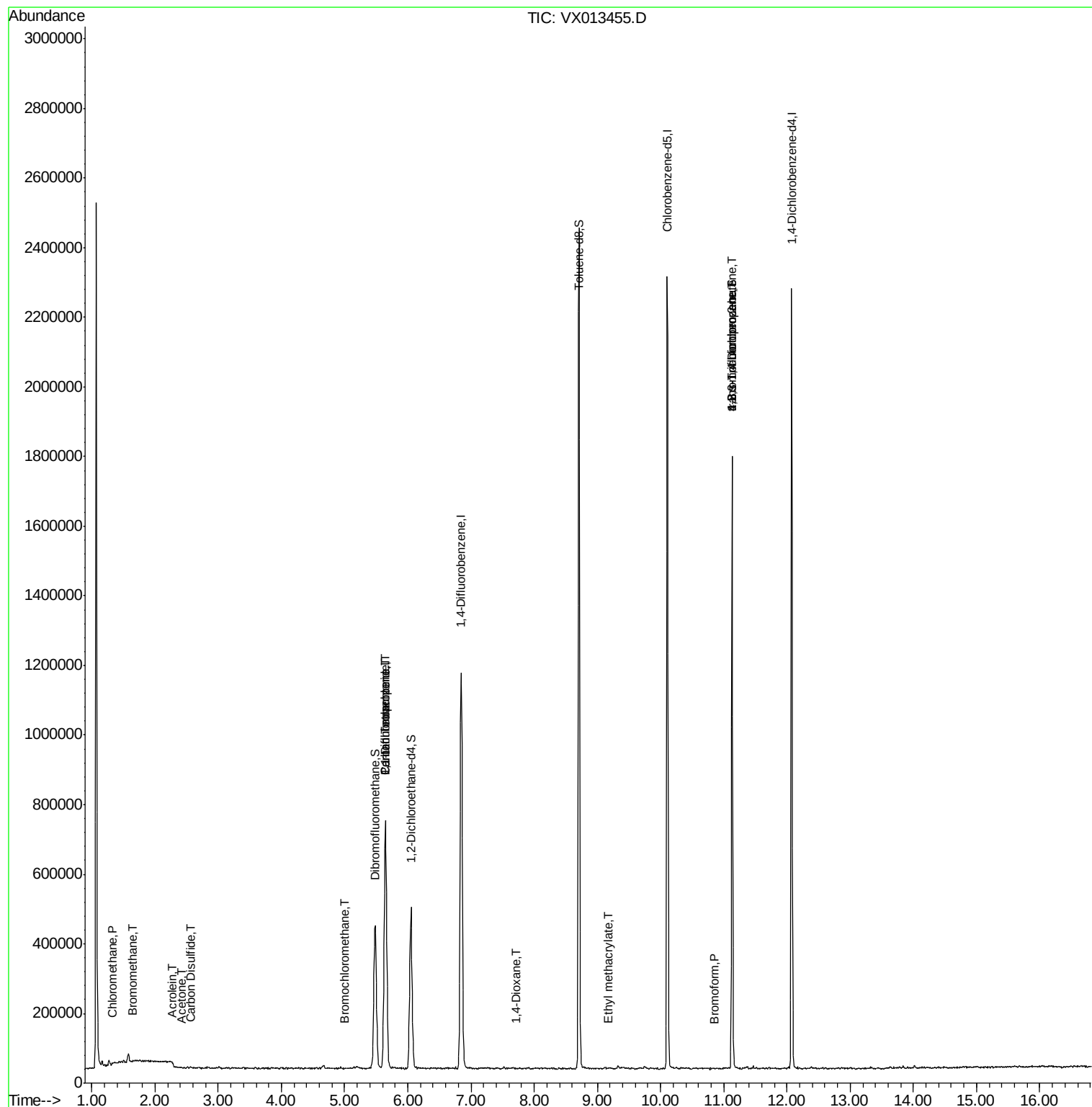
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2006	0.218	ug/l #	43
5) Bromomethane	1.64	94	1982	0.272	ug/l #	46
6) Chloroethane	1.70	64	479	Below Cal	#	68
13) Acrolein	2.27	56	816	0.655	ug/l	96
16) Acetone	2.43	43	1419	0.326	ug/l	97
17) Carbon Disulfide	2.56	76	4288	0.237	ug/l #	76
28) Bromochloromethane	5.00	49	763	0.203	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	50789	4.958	ug/l #	51
38) Carbon Tetrachloride	5.64	117	65694	6.558	ug/l #	15
49) 1,4-Dioxane	7.73	88	561	2.489	ug/l #	38
56) Ethyl methacrylate	9.17	69	155	1.574	ug/l #	1
71) Bromoform	10.85	173	422	3.257	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	231091	24.490	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	231091	63.037	ug/l #	9

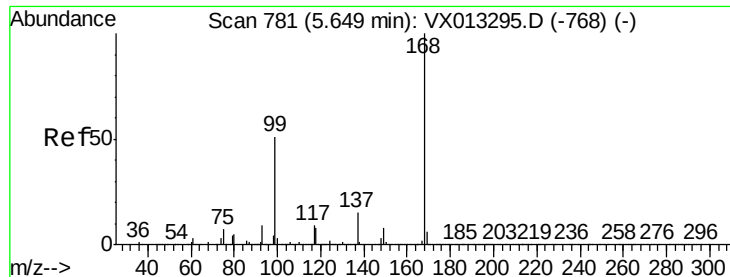
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

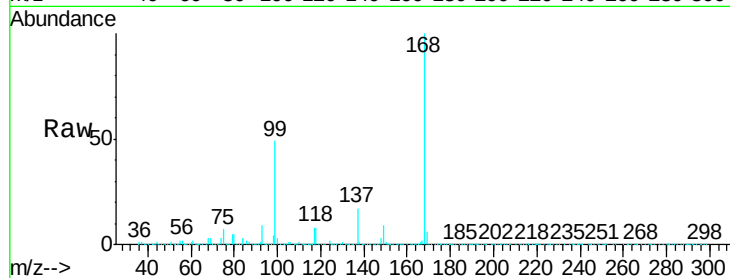
VX1119WBL01

Tgt Ion:168 Resp: 736276

Ion Ratio Lower Upper

168 100

99 48.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

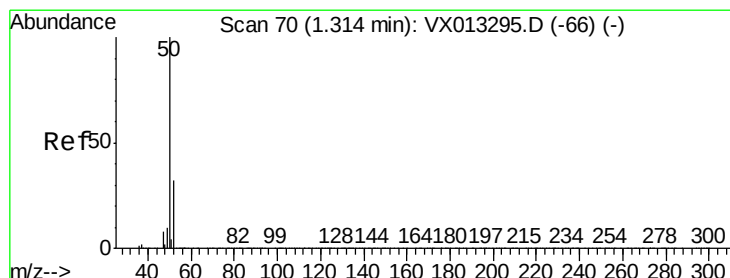
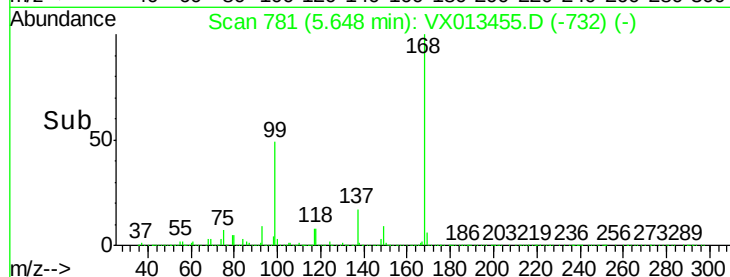
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013455.D

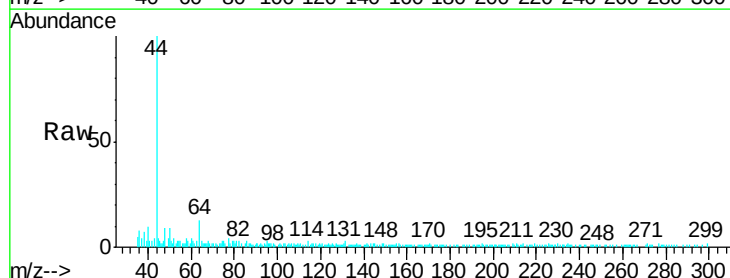
Acq: 19 Nov 2019 10:35

Tgt Ion: 50 Resp: 2006

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

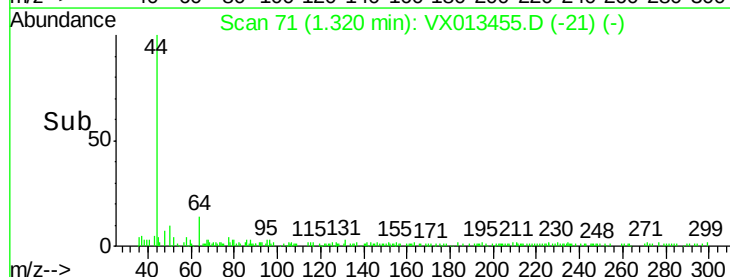
600

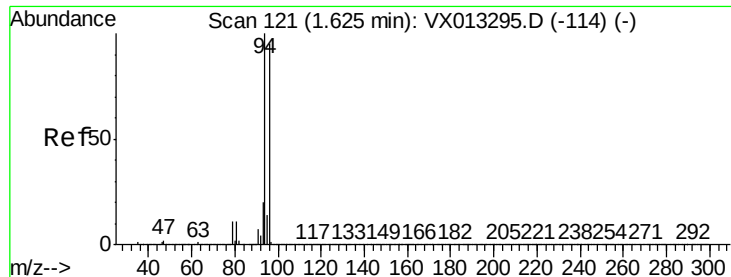
400

200

0

Time-->





#5

Bromomethane

Concen: 0.272 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

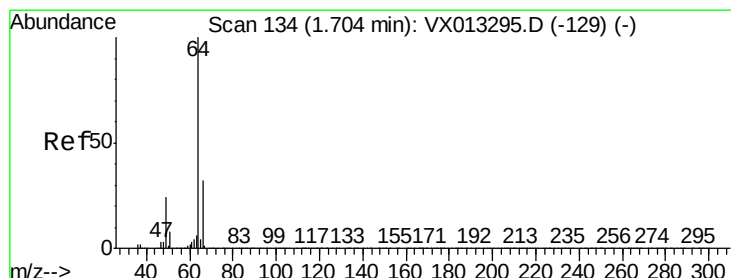
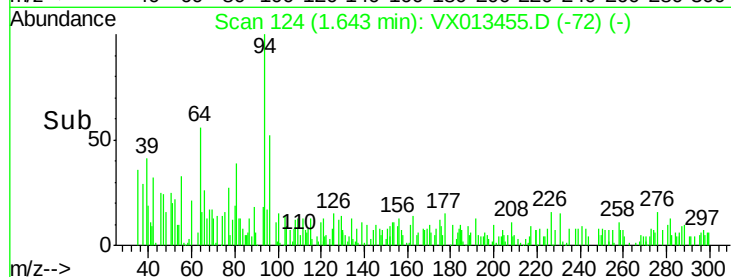
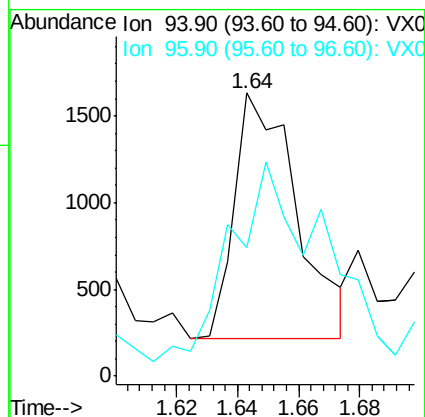
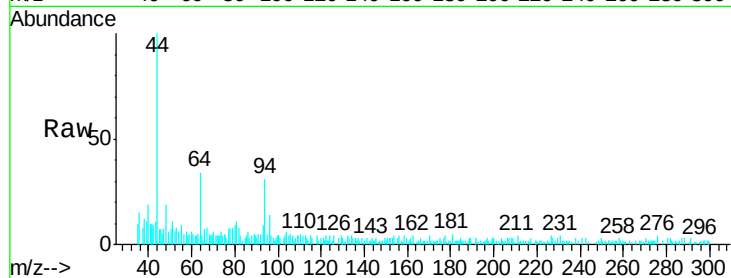
VX1119WBL01

Tgt Ion: 94 Resp: 1982

Ion Ratio Lower Upper

94 100

96 42.2 75.8 113.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX013455.D

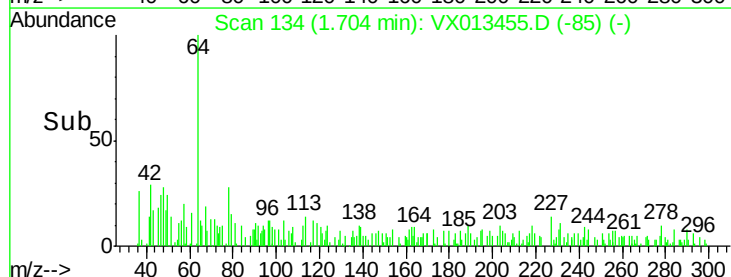
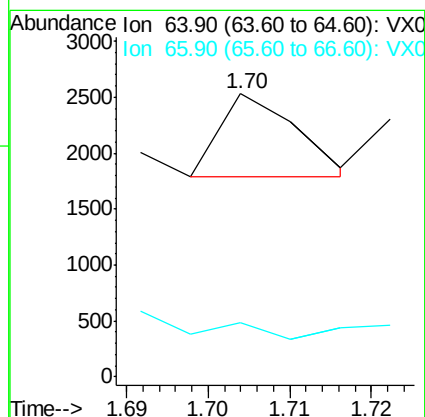
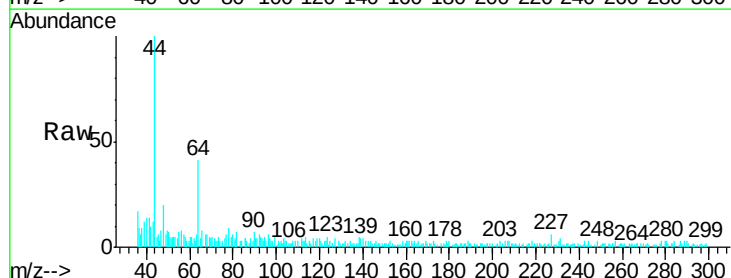
Acq: 19 Nov 2019 10:35

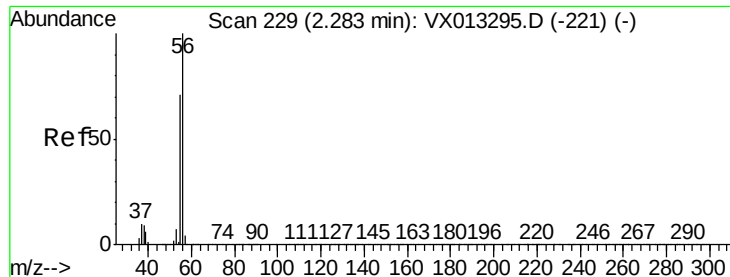
Tgt Ion: 64 Resp: 479

Ion Ratio Lower Upper

64 100

66 14.0 25.6 38.4#





#13

Acrolein

Concen: 0.655 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampled :

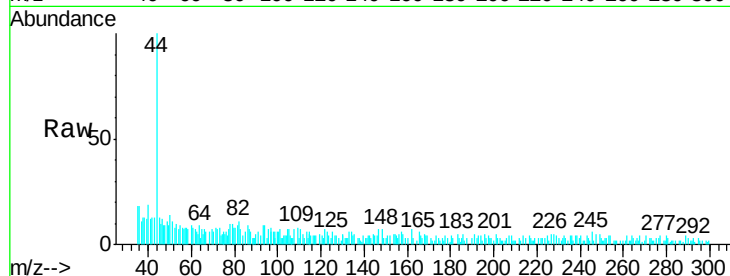
VX1119WBL01

Tgt Ion: 56 Resp: 816

Ion Ratio Lower Upper

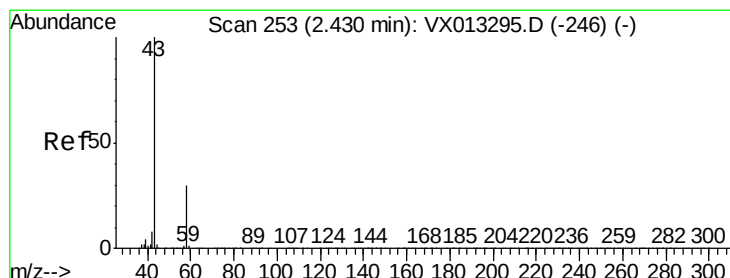
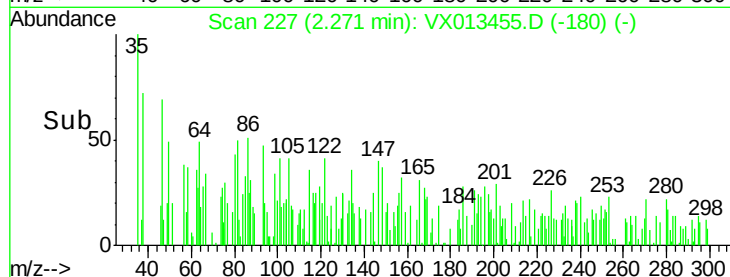
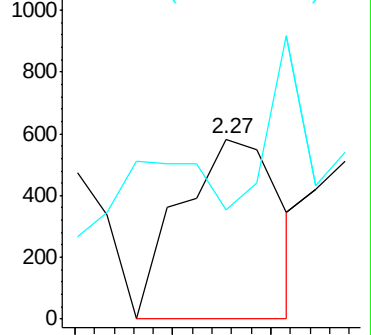
56 100

55 75.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.326 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013455.D

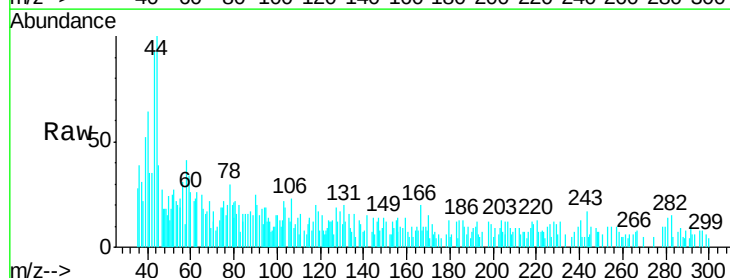
Acq: 19 Nov 2019 10:35

Tgt Ion: 43 Resp: 1419

Ion Ratio Lower Upper

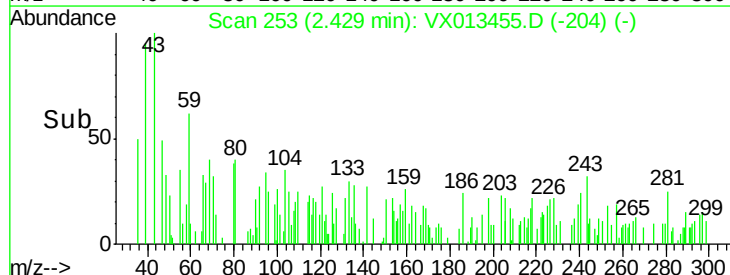
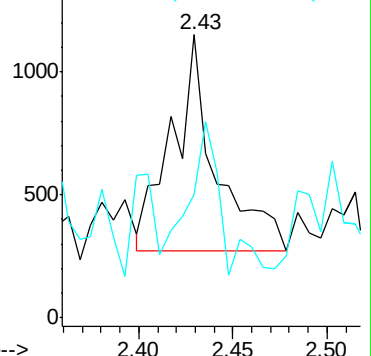
43 100

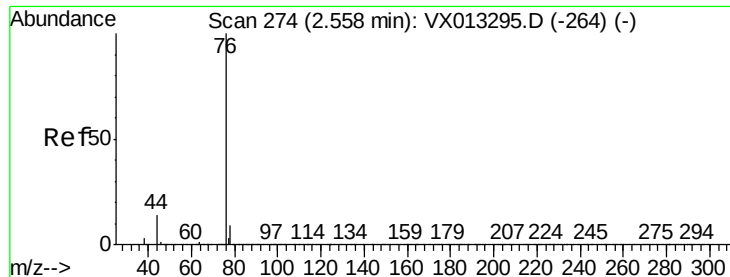
58 28.8 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampled :

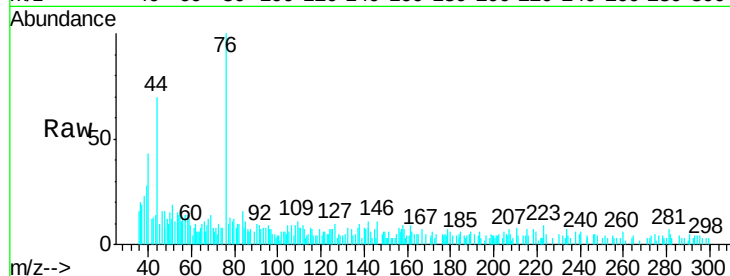
VX1119WBL01

Tgt Ion: 76 Resp: 4288

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

1000

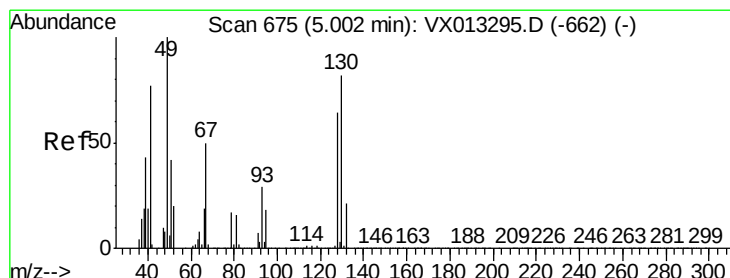
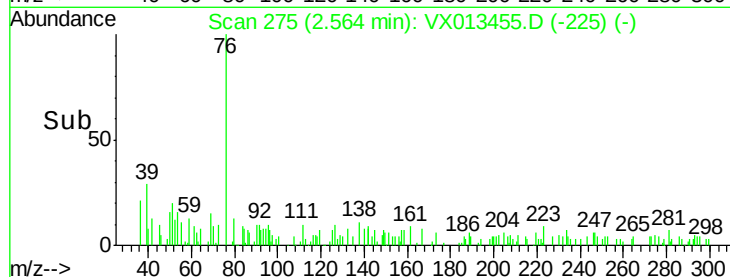
500

0

Time-->

2.55

2.60



#28

Bromochloromethane

Concen: 0.203 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

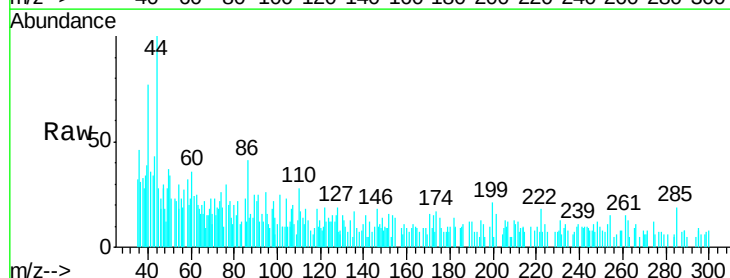
Tgt Ion: 49 Resp: 763

Ion Ratio Lower Upper

49 100

129 53.5 0.0 5.2#

130 60.8 63.8 95.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

800

600

400

200

0

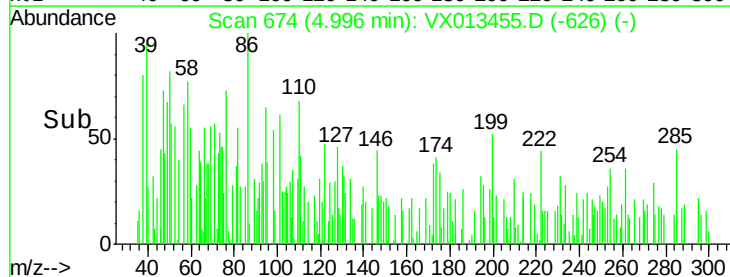
Time-->

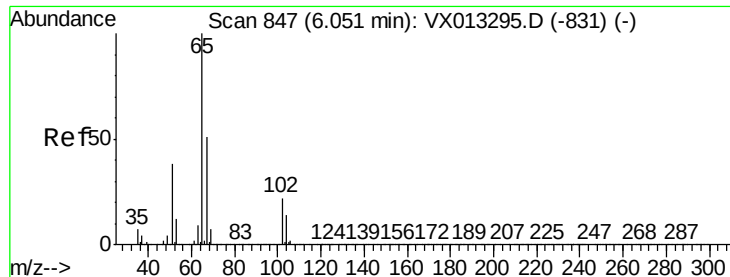
4.96

4.98

5.00

5.02





#33

1,2-Dichloroethane-d4

Concen: 49.772 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

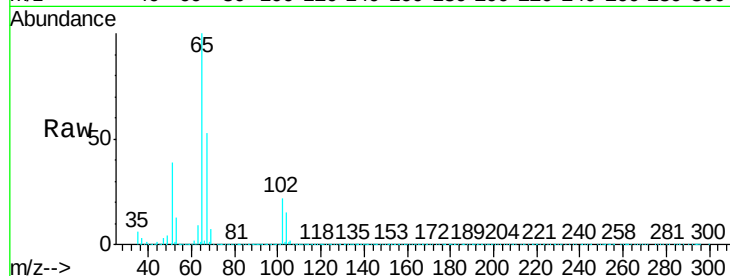
VX1119WBL01

Tgt Ion: 65 Resp: 434145

Ion Ratio Lower Upper

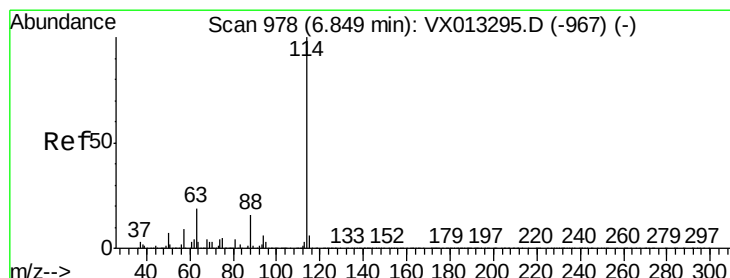
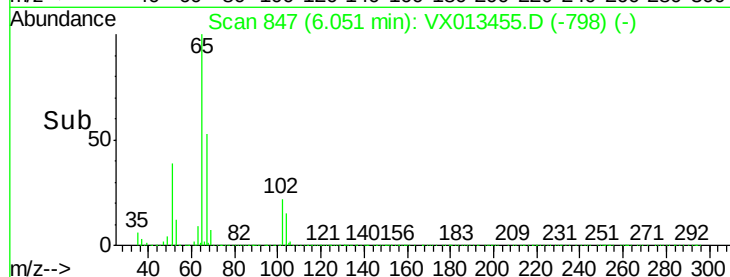
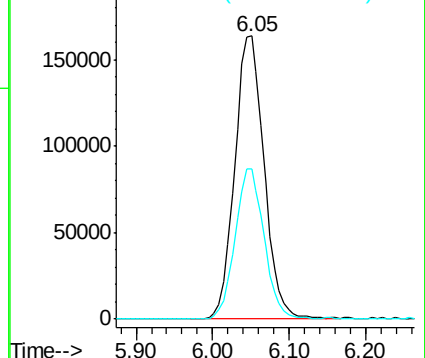
65 100

67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

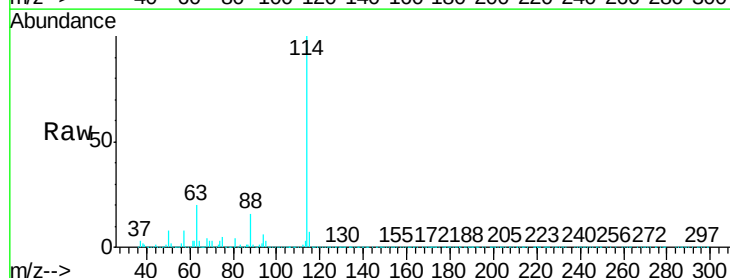
Tgt Ion: 114 Resp: 1194203

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

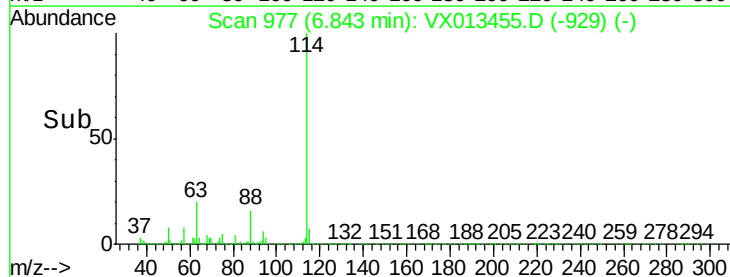
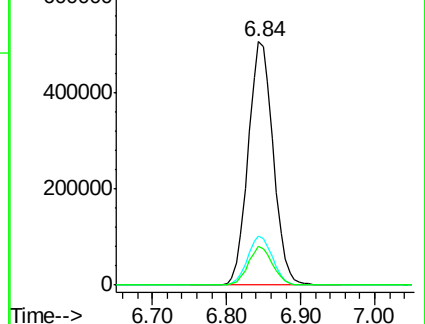
88 15.9 0.0 32.2

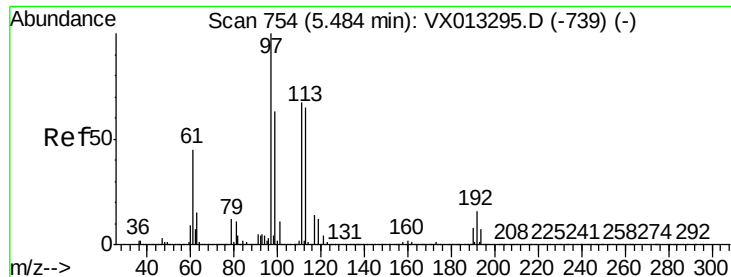


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.798 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBL01

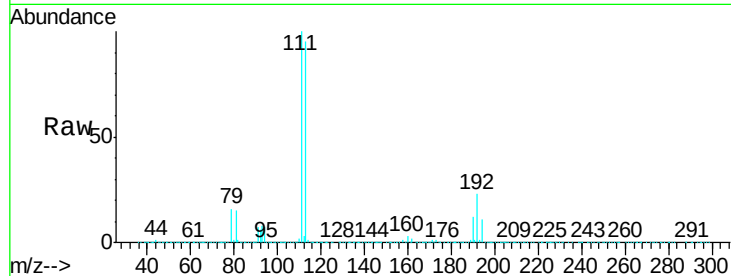
Tgt Ion: 113 Resp: 358016

Ion Ratio Lower Upper

113 100

111 104.5 81.9 122.9

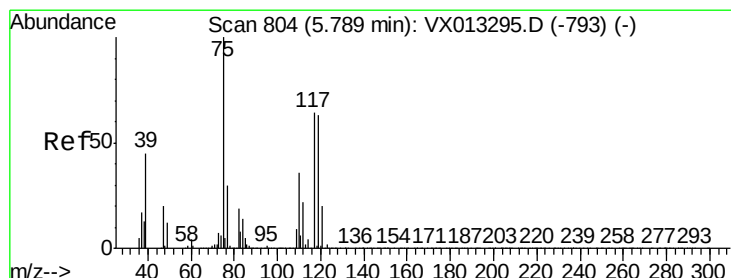
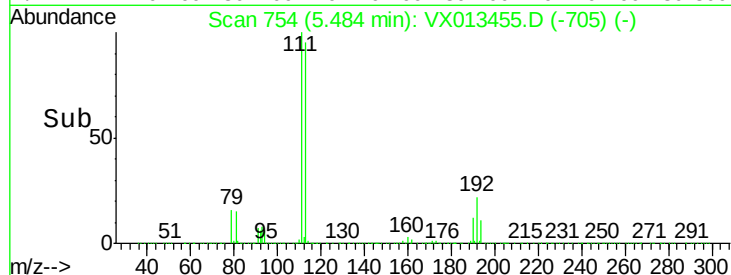
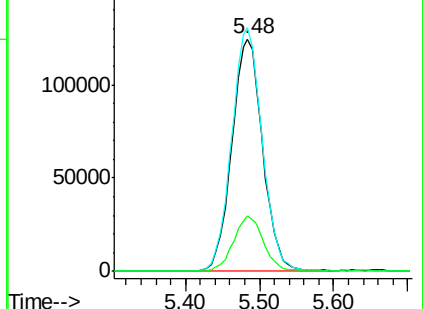
192 23.2 19.1 28.7



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: 4.958 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

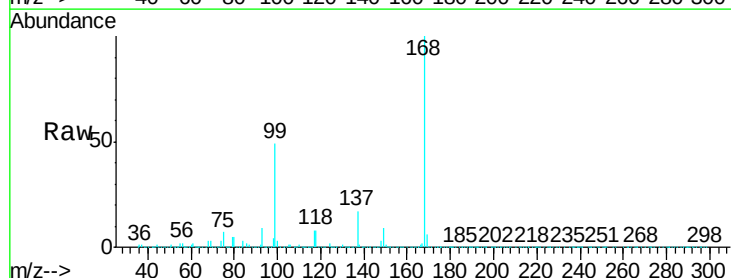
Tgt Ion: 75 Resp: 50789

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

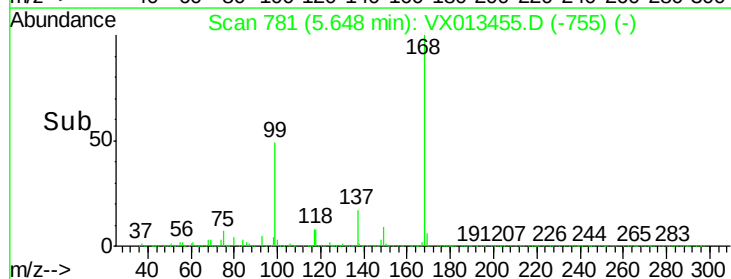
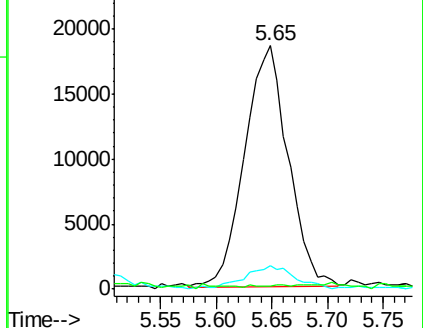
77 0.2 25.0 37.4#

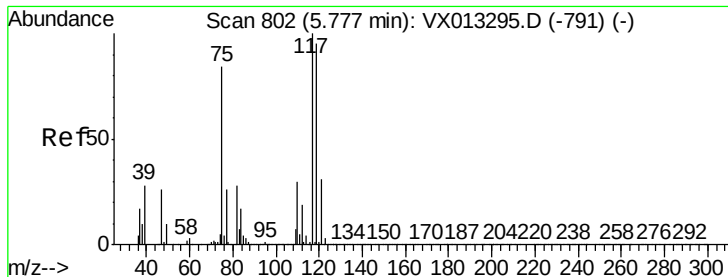


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.558 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampled :

VX1119WBL01

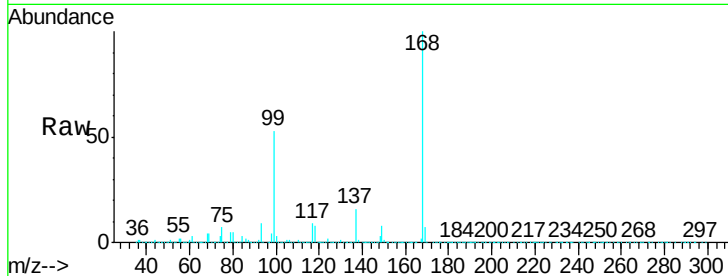
Tgt Ion: 117 Resp: 65694

Ion Ratio Lower Upper

117 100

119 3.0 76.1 114.1#

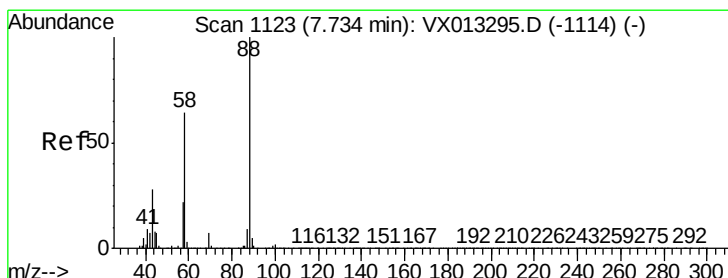
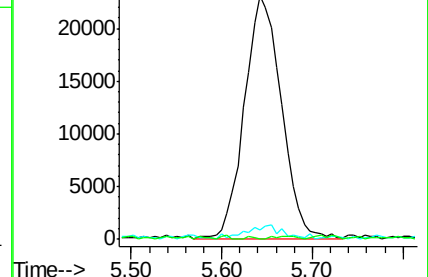
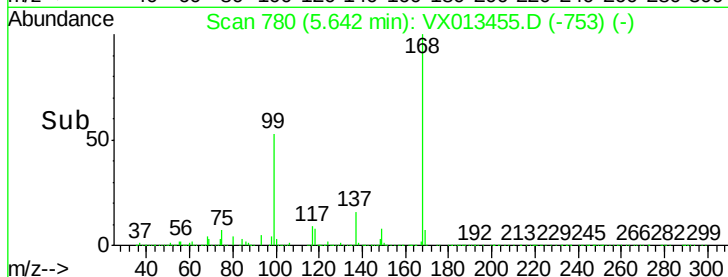
121 0.0 24.6 37.0#



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: 2.489 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

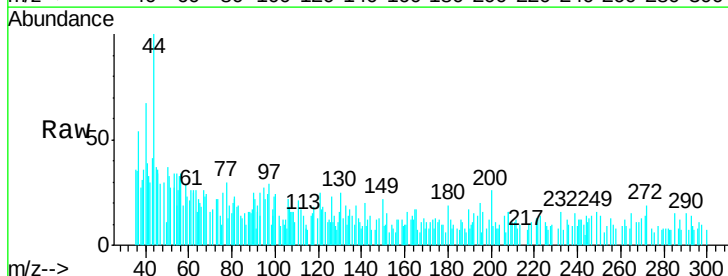
Tgt Ion: 88 Resp: 561

Ion Ratio Lower Upper

88 100

43 63.6 26.6 39.8#

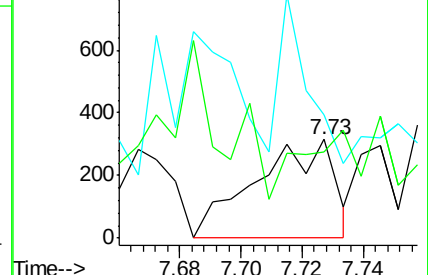
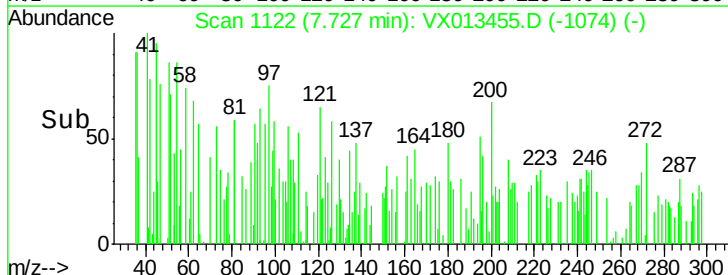
58 14.8 55.0 82.6#

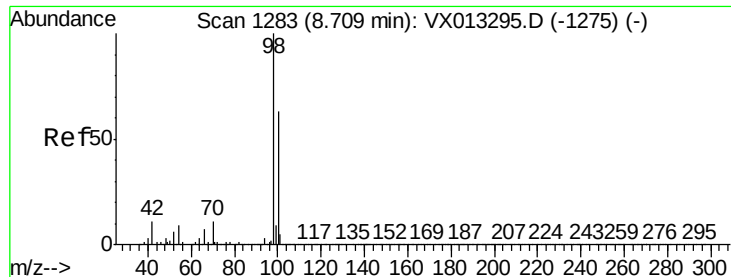


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.051 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampled :

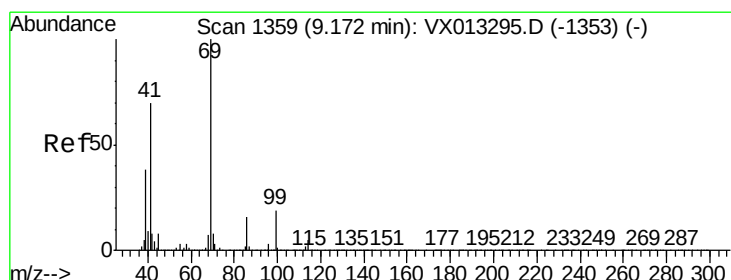
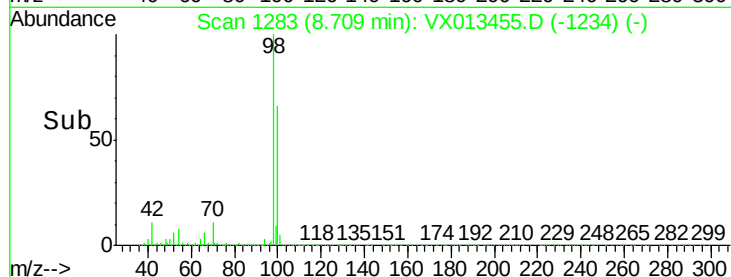
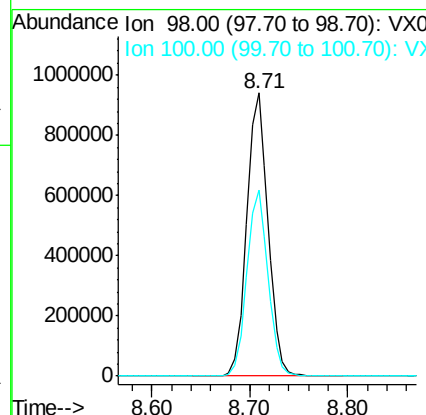
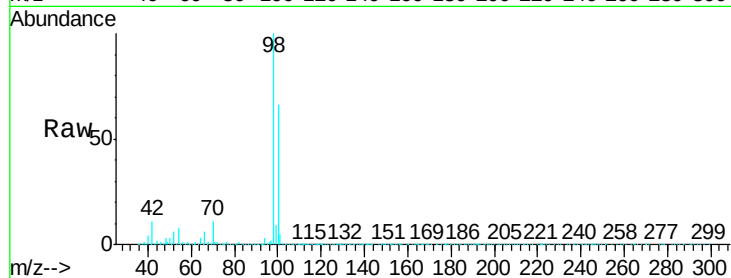
VX1119WBL01

Tgt Ion: 98 Resp: 1413295

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.574 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

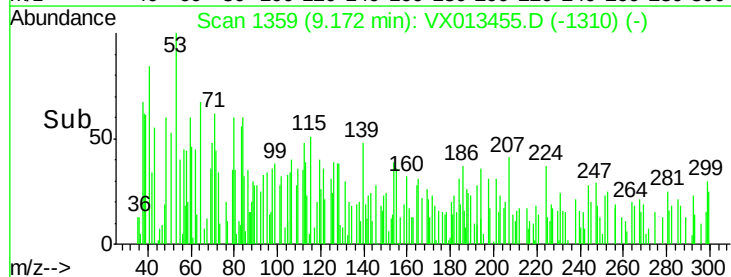
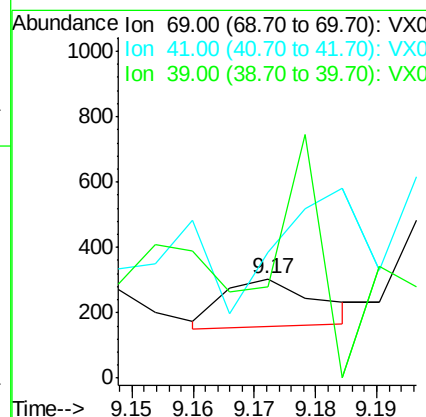
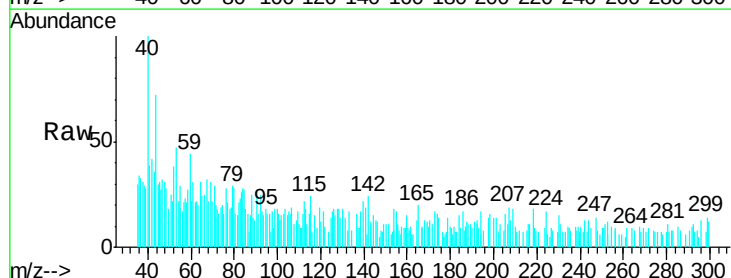
Tgt Ion: 69 Resp: 155

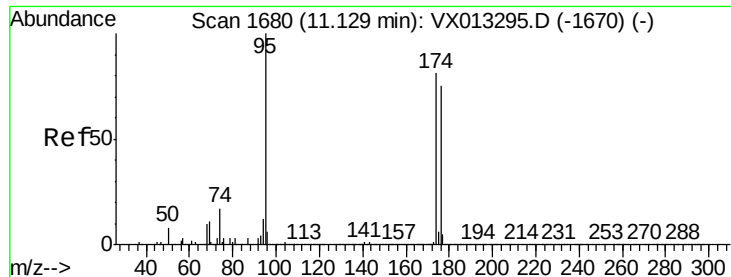
Ion Ratio Lower Upper

69 100

41 244.5 56.2 84.2#

39 241.9 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.428 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBL01

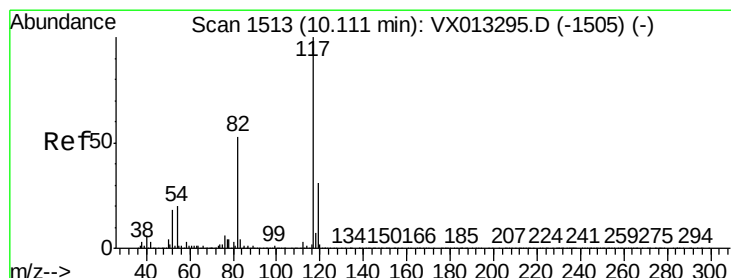
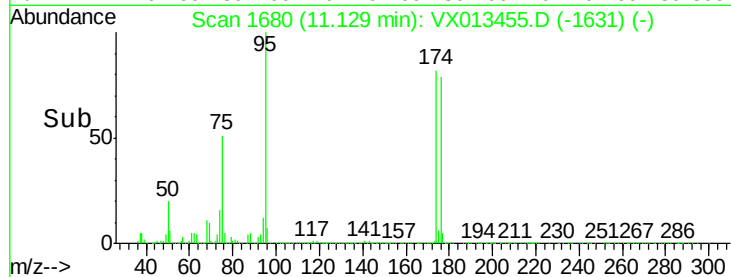
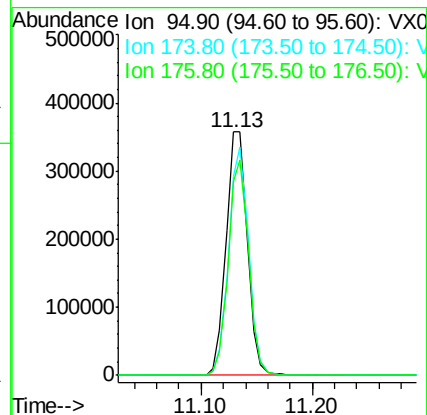
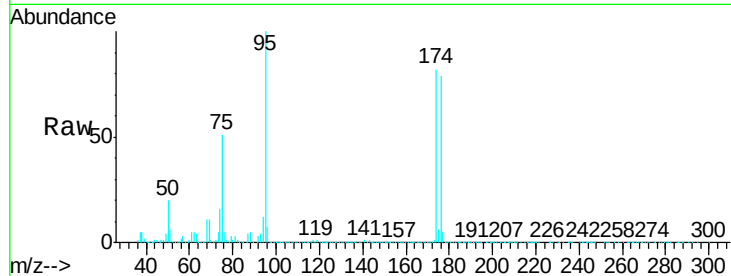
Tgt Ion: 95 Resp: 473151

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.8

176 84.3 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

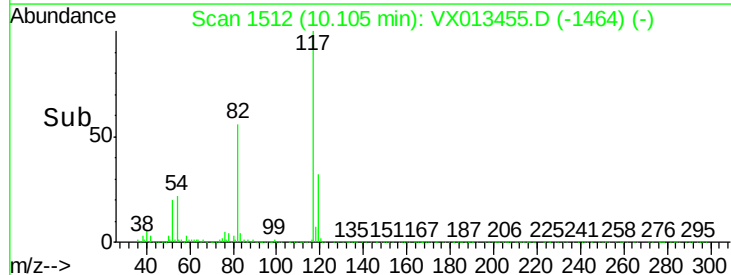
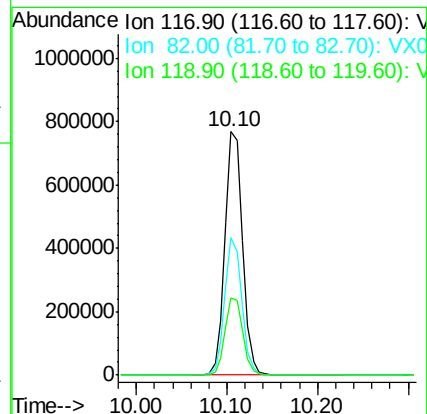
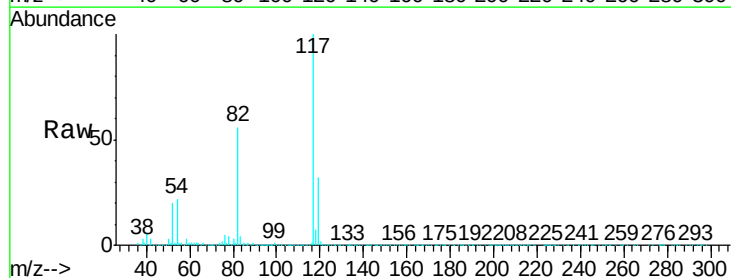
Tgt Ion: 117 Resp: 1044867

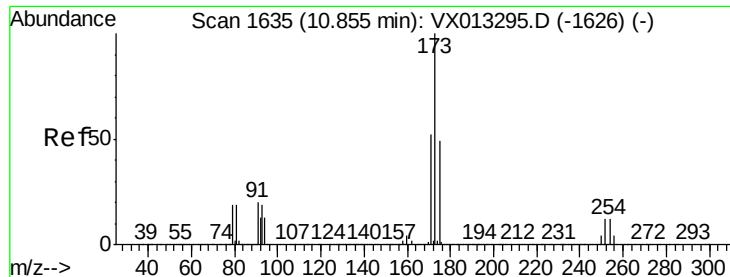
Ion Ratio Lower Upper

117 100

82 56.2 42.6 64.0

119 31.8 24.8 37.2





#71

Bromoform

Concen: 3.257 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBL01

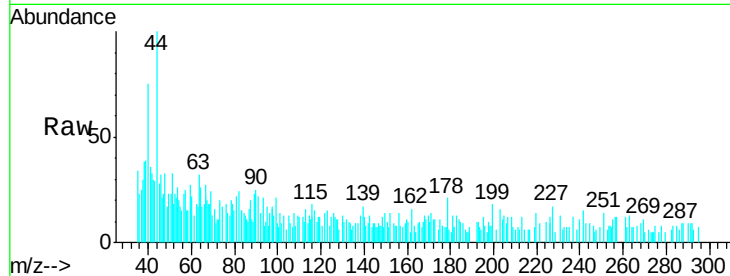
Tgt Ion:173 Resp: 422

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

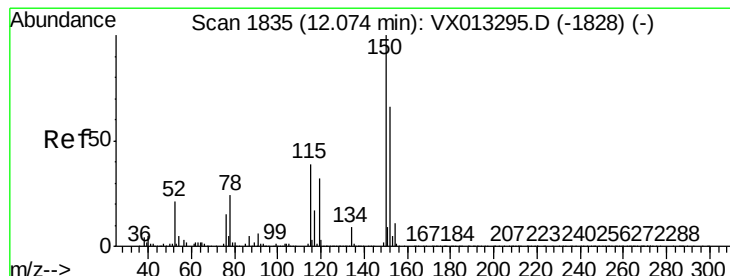
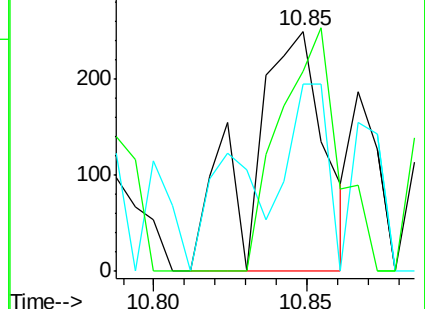
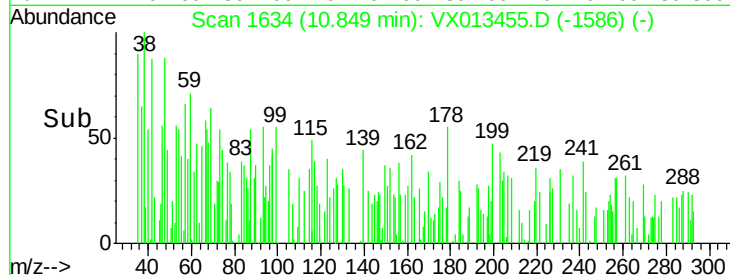
254 80.6 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013455.D

Acq: 19 Nov 2019 10:35

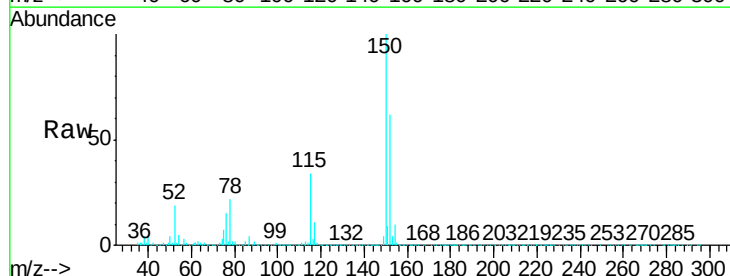
Tgt Ion:152 Resp: 464571

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

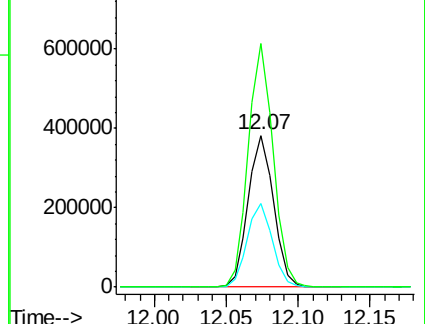
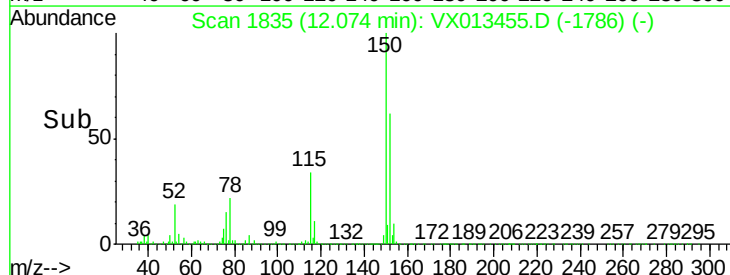
150 158.0 0.0 344.4

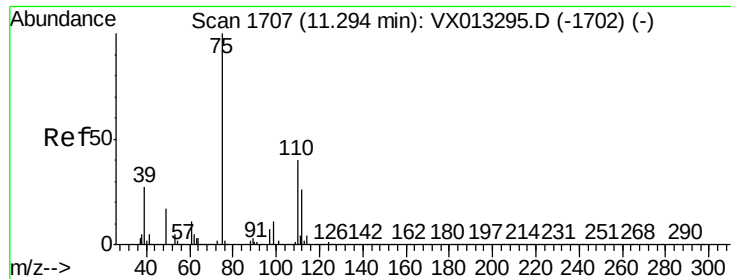


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.490 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

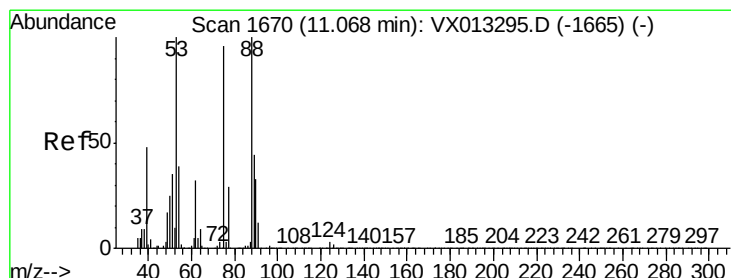
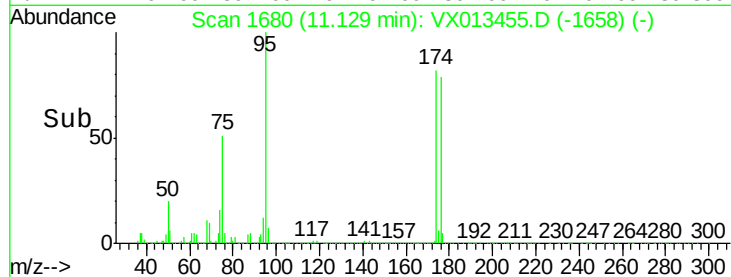
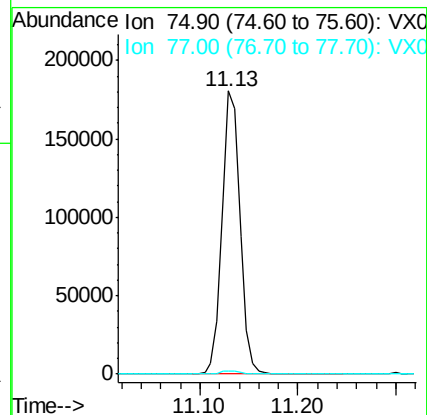
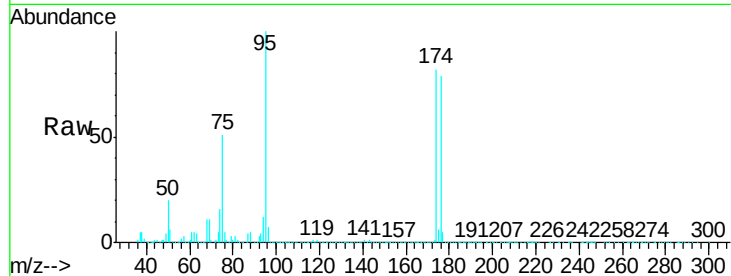
VX1119WBL01

Tgt Ion: 75 Resp: 231091

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.037 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013455.D

Acq: 19 Nov 2019 10:35

Tgt Ion: 75 Resp: 231091

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 36.0 54.0#

