

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112019\
 Data File : VX013484.D
 Acq On : 20 Nov 2019 17:55
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 21 00:50:50 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	712523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1155985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1039877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	491330	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	422720	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	5.49	113	346941	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	1378634	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.14	95	474152	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

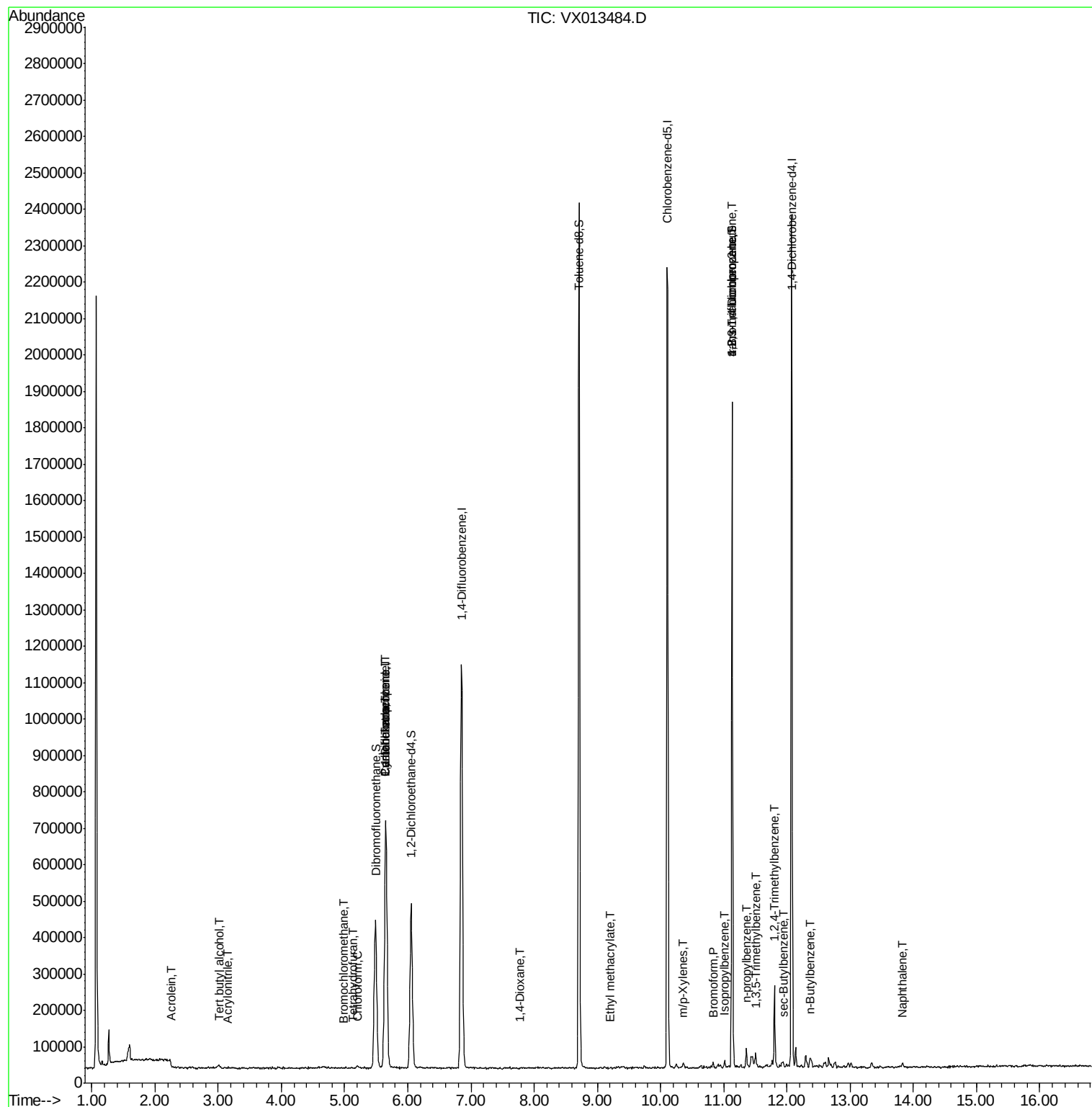
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1085	Below Cal	#	70
11) Tert butyl alcohol	3.01	59	6725	3.023	ug/l	97
13) Acrolein	2.26	56	577	0.479	ug/l #	14
15) Acrylonitrile	3.15	53	1253	0.301	ug/l #	54
28) Bromochloromethane	4.98	49	1070	0.294	ug/l #	24
29) Tetrahydrofuran	5.13	42	983	0.258	ug/l #	38
30) Chloroform	5.20	83	6459	0.510	ug/l #	64
31) Cyclohexane	5.65	56	13229	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	46817	4.721	ug/l #	51
38) Carbon Tetrachloride	5.65	117	62589	6.454	ug/l #	16
49) 1,4-Dioxane	7.78	88	154	0.706	ug/l #	1
56) Ethyl methacrylate	9.19	69	540	1.602	ug/l #	1
68) m/p-Xylenes	10.36	106	3880	0.282	ug/l	77
71) Bromoform	10.84	173	440	3.260	ug/l #	28
73) Isopropylbenzene	11.01	105	10926	0.335	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	232526	23.300	ug/l #	34
78) n-propylbenzene	11.35	91	32285	0.890	ug/l	94
80) 1,3,5-Trimethylbenzene	11.50	105	17685	0.652	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	232526	59.974	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	101666	3.735	ug/l	97
85) sec-Butylbenzene	11.94	105	7804	0.249	ug/l	91
89) n-Butylbenzene	12.38	91	7248	0.287	ug/l #	64
95) Naphthalene	13.83	128	10438	0.308	ug/l #	92

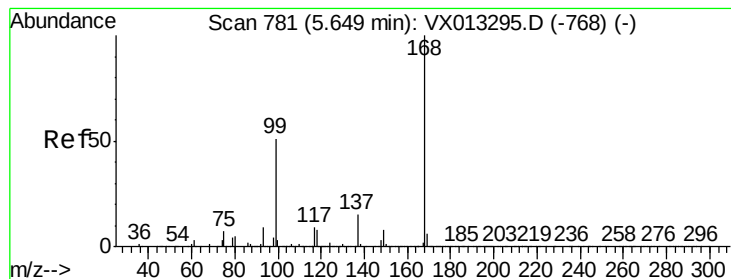
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013484.D
Acq On : 20 Nov 2019 17:55
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Sample : IBLK
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Nov 21 00:50:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

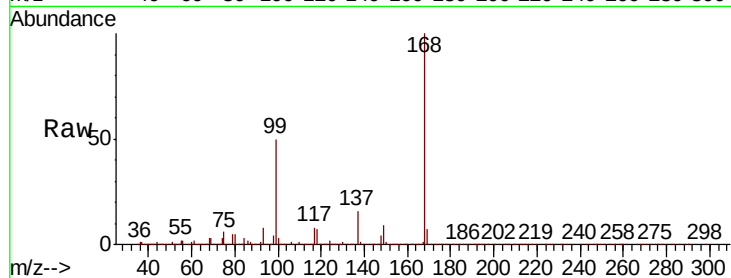
IBLK

Tot Ion:168 Resp: 712523

Ion Ratio Lower Upper

168 100

99 50.1 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

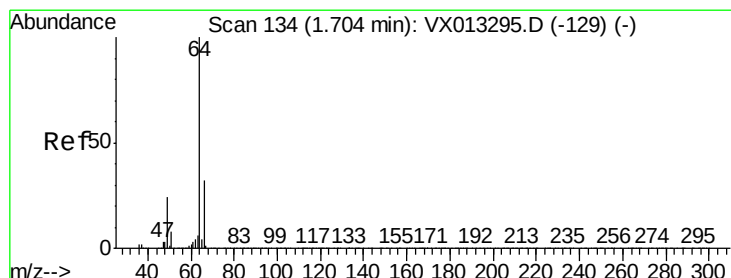
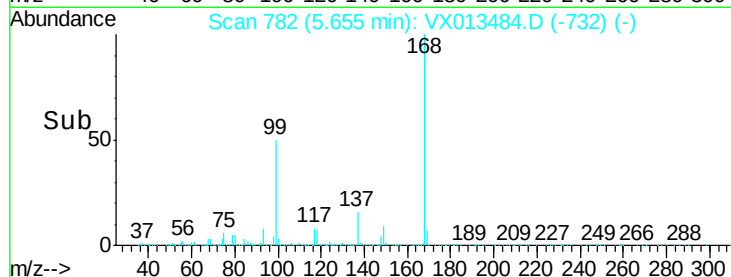
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013484.D

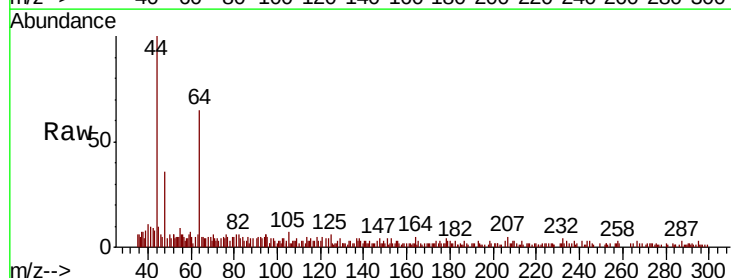
Acq: 20 Nov 2019 17:55

Tgt Ion: 64 Resp: 1085

Ion Ratio Lower Upper

64 100

66 15.2 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

4000

3000

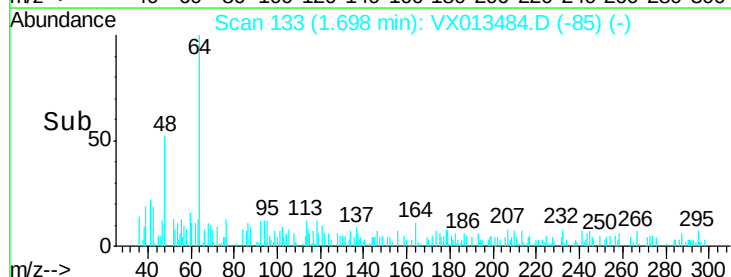
2000

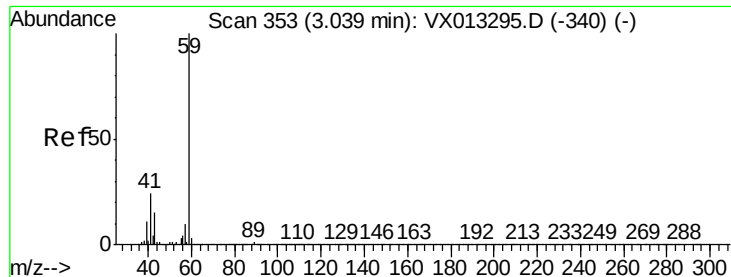
1000

0

Time-->

1.68 1.70 1.72



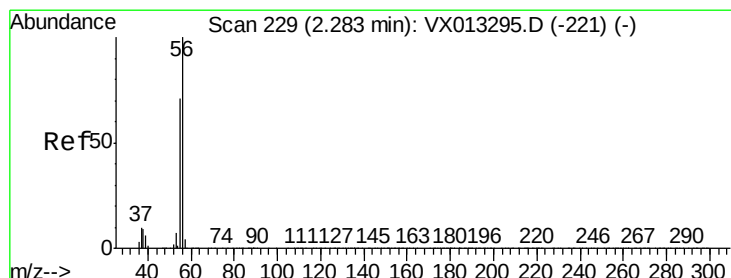
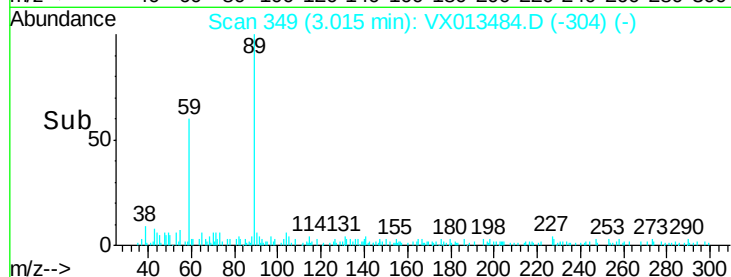
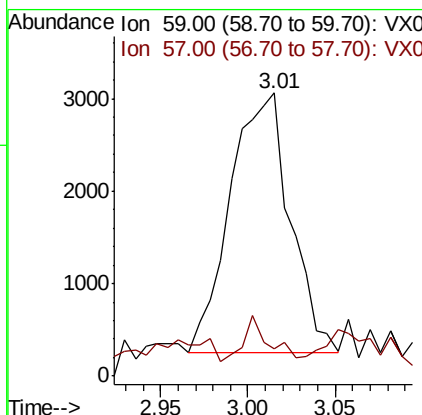
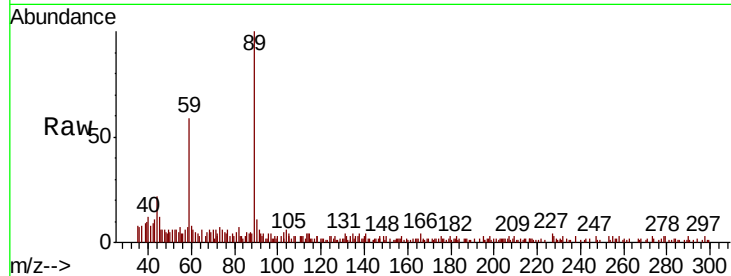


#11

Tert butyl alcohol
Concen: 3.023 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013484.D
Acq: 20 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampled :
IBLK

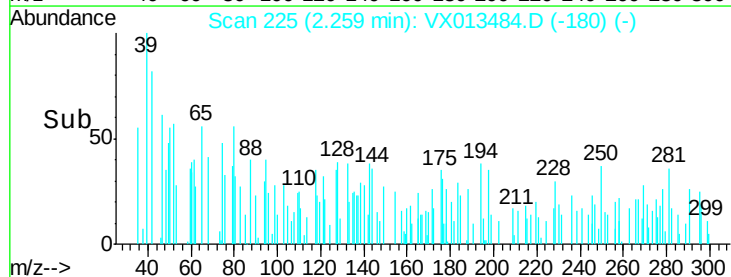
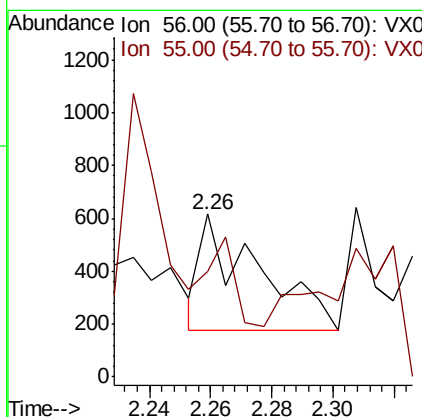
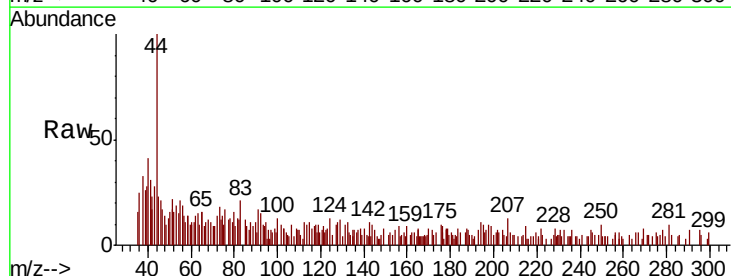
Tot Ion: 59 Resp: 6725
Ion Ratio Lower Upper
59 100
57 8.7 8.0 12.0

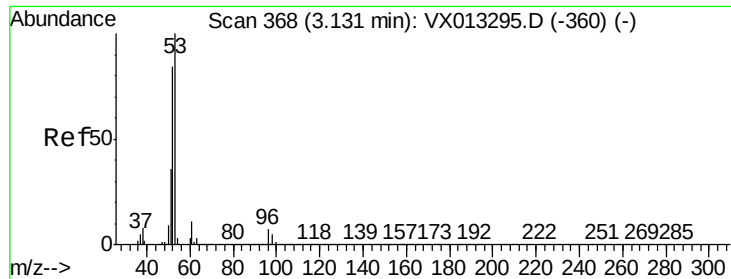


#13

Acrolein
Concen: 0.479 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX013484.D
Acq: 20 Nov 2019 17:55

Tgt Ion: 56 Resp: 577
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#





#15

Acrylonitrile

Concen: 0.301 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

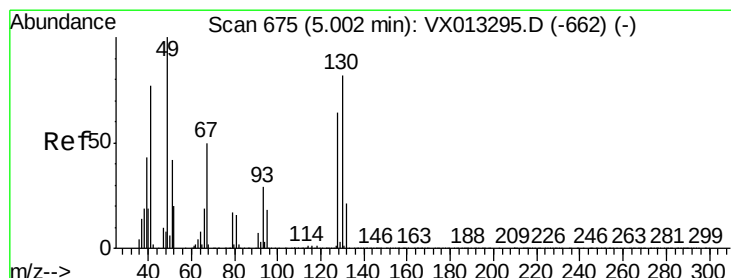
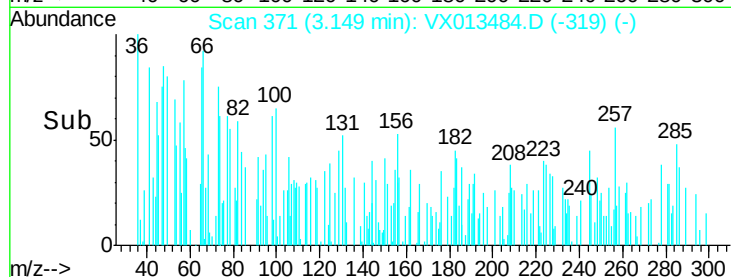
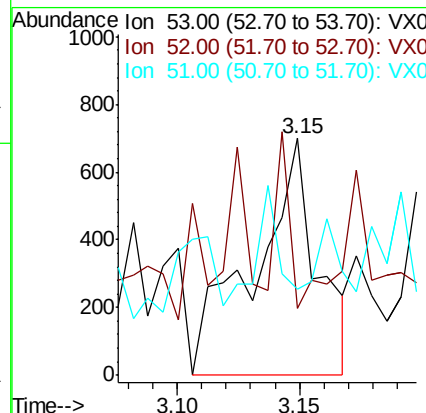
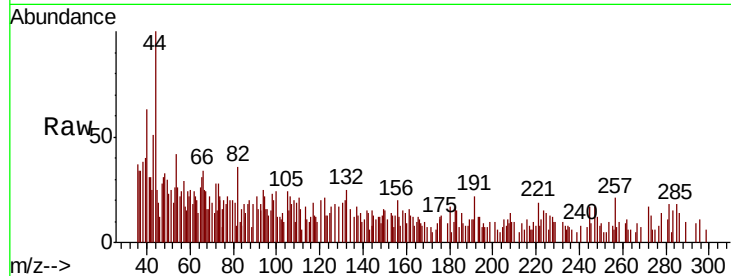
MSVOA_X

ClientSampled :

IBLK

Tot Ion: 53 Resp: 1253

Ion	Ratio	Lower	Upper
53	100		
52	24.6	67.4	101.0#
51	36.6	29.4	44.2



#28

Bromochloromethane

Concen: 0.294 ug/l

RT: 4.98 min Scan# 671

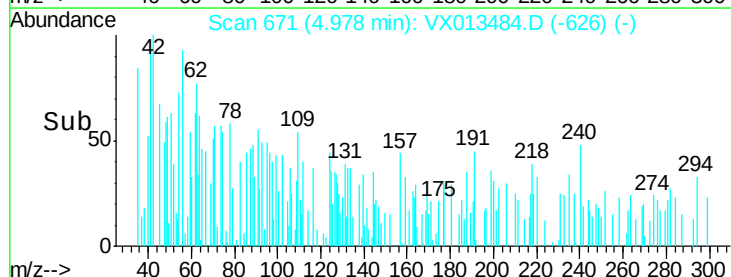
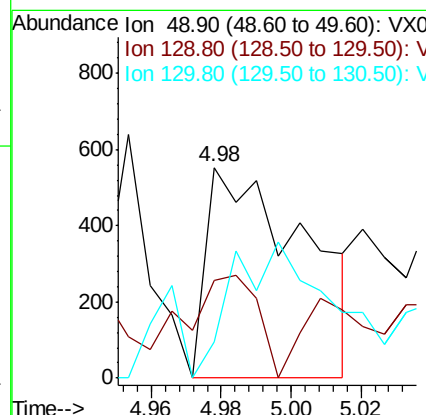
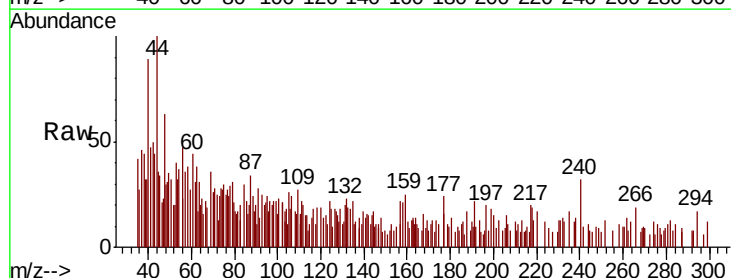
Delta R.T. -0.02 min

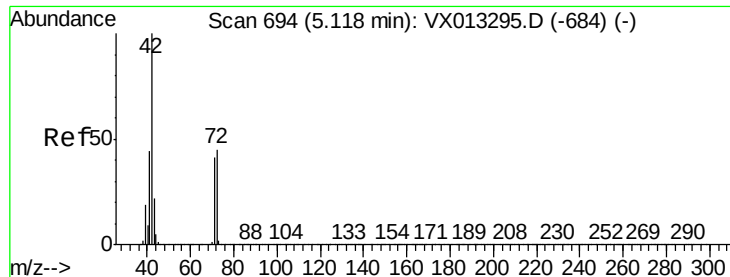
Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Tgt Ion: 49 Resp: 1070

Ion	Ratio	Lower	Upper
49	100		
129	35.4	0.0	5.2#
130	13.1	63.8	95.6#





#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

IBLK

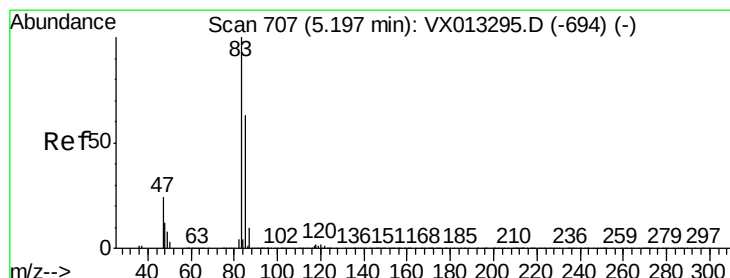
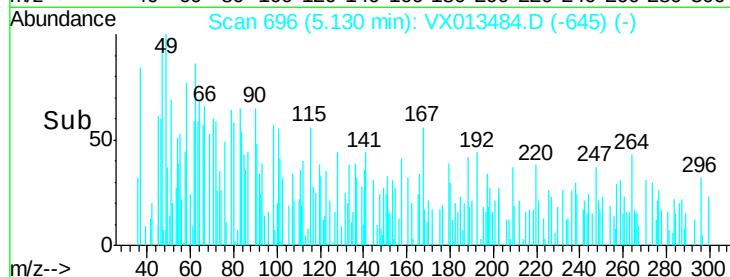
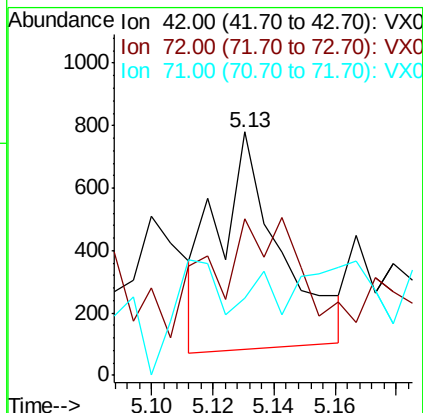
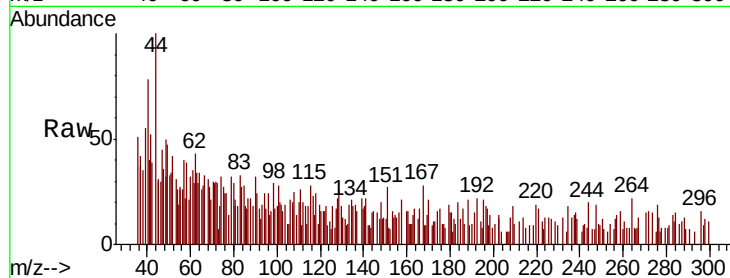
Tot Ion: 42 Resp: 983

Ion Ratio Lower Upper

42 100

72 82.4 35.8 53.8#

71 0.0 33.4 50.0#



#30

Chloroform

Concen: 0.510 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013484.D

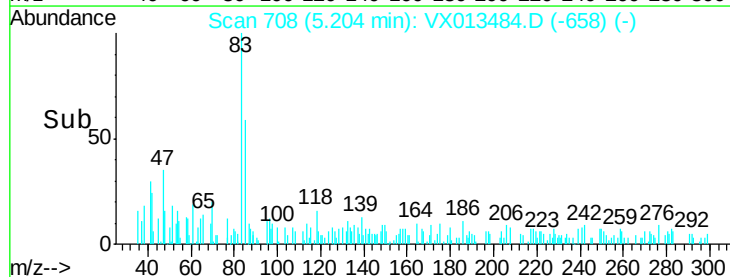
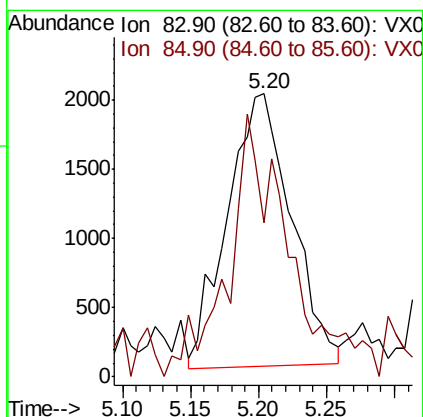
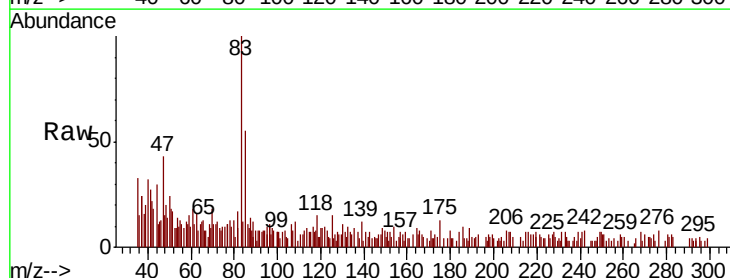
Acq: 20 Nov 2019 17:55

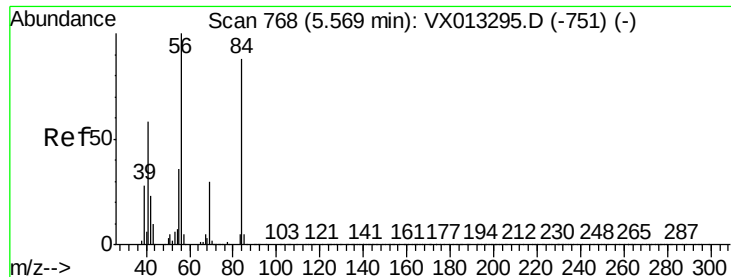
Tgt Ion: 83 Resp: 6459

Ion Ratio Lower Upper

83 100

85 35.2 50.2 75.4#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

IBLK

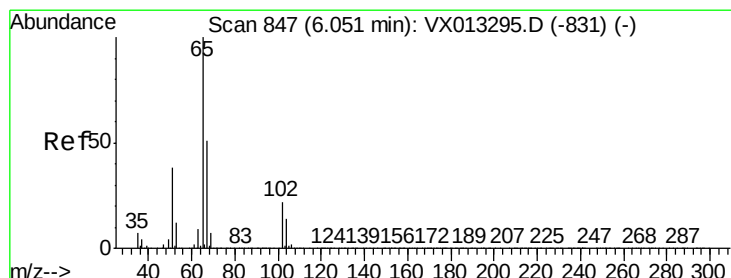
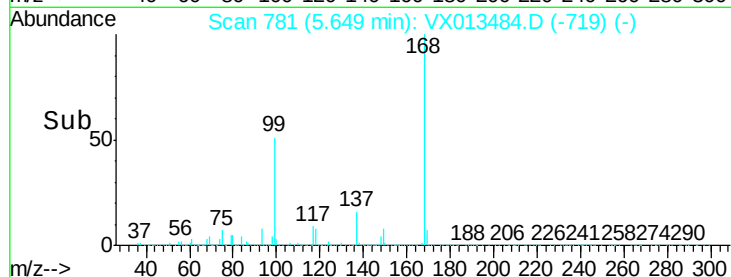
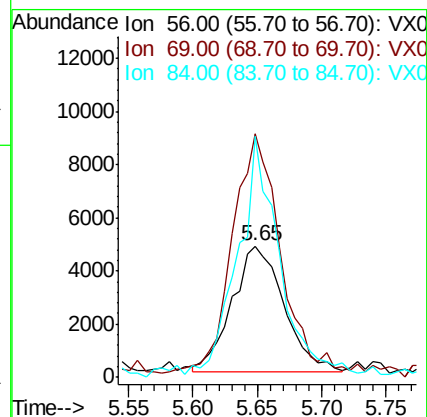
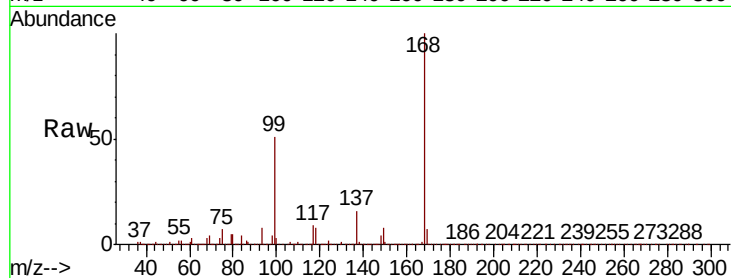
Tot Ion: 56 Resp: 13229

Ion Ratio Lower Upper

56 100

69 186.8 23.7 35.5#

84 194.5 70.6 105.8#



#33

1,2-Dichloroethane-d4

Concen: 50.078 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013484.D

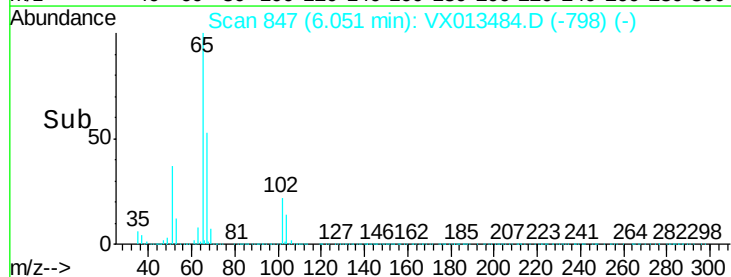
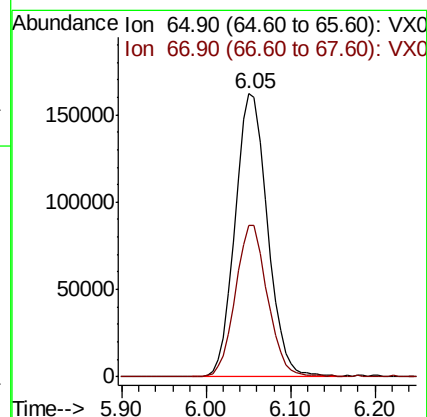
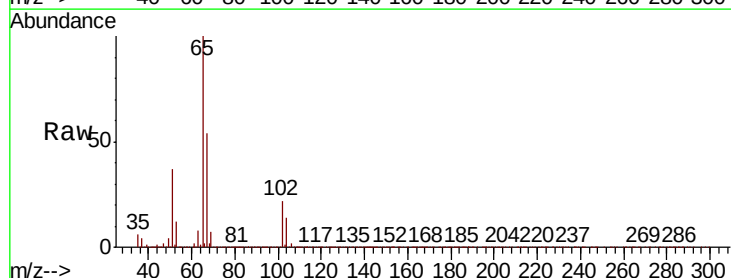
Acq: 20 Nov 2019 17:55

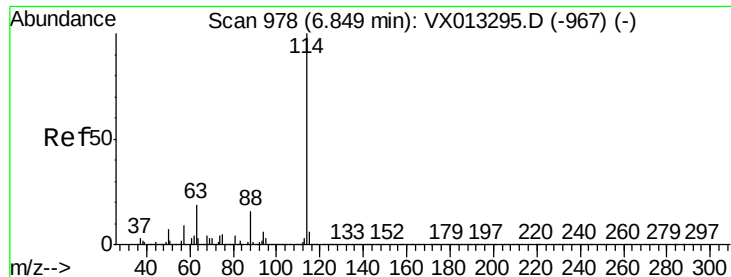
Tgt Ion: 65 Resp: 422720

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

IBLK

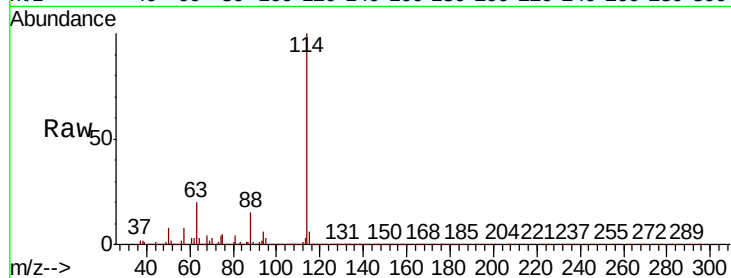
Tot Ion:114 Resp: 1155985

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

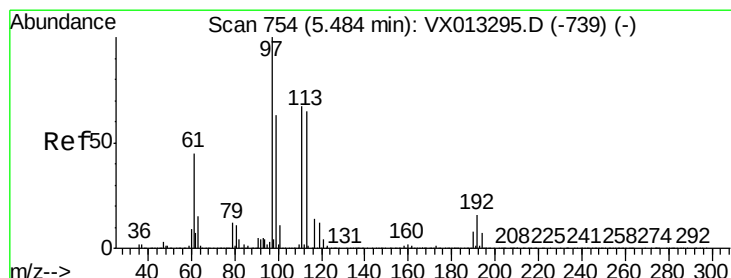
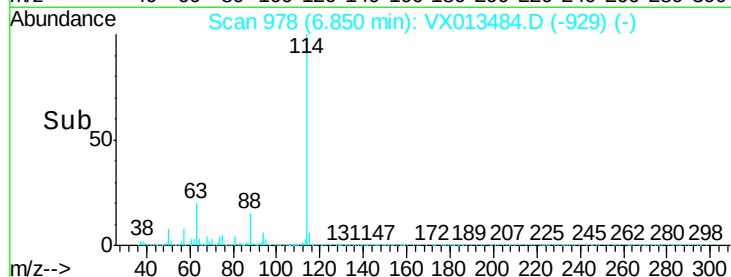
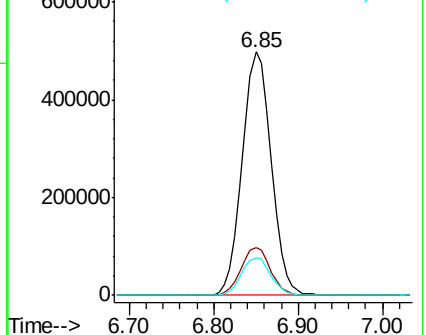
88 15.1 0.0 32.2



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: 47.851 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

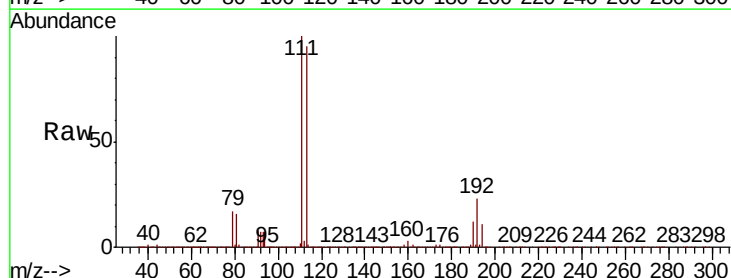
Tgt Ion:113 Resp: 346941

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

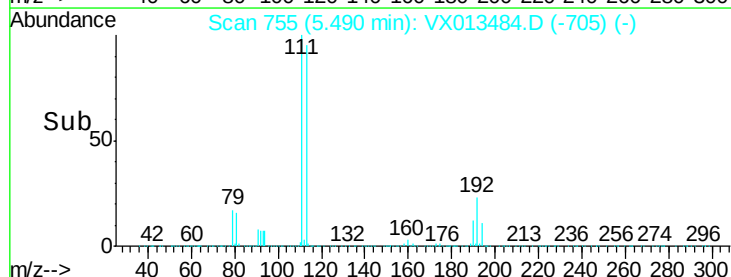
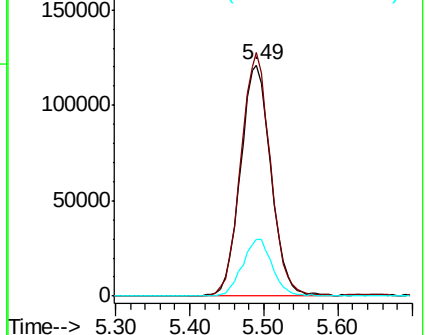
192 24.2 19.1 28.7

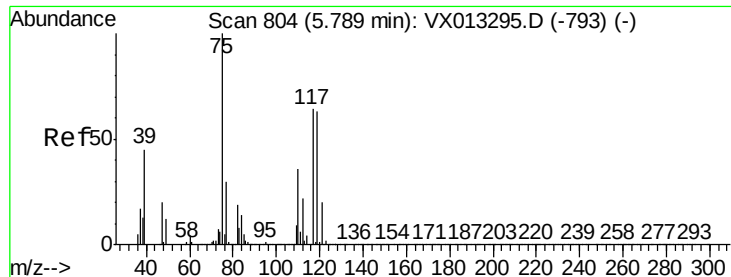


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

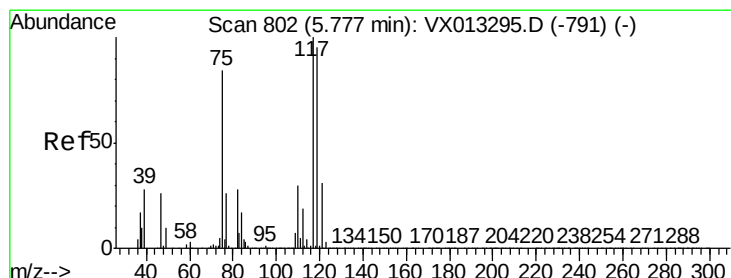
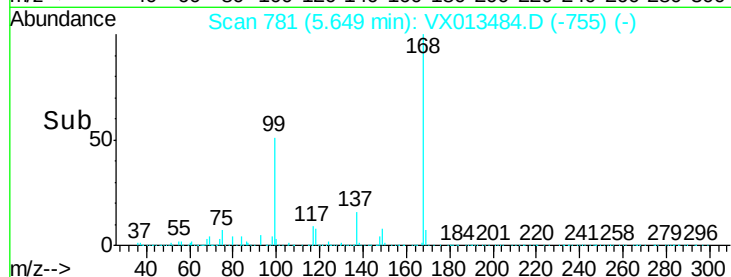
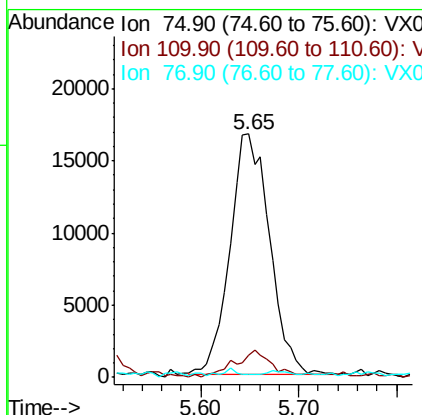
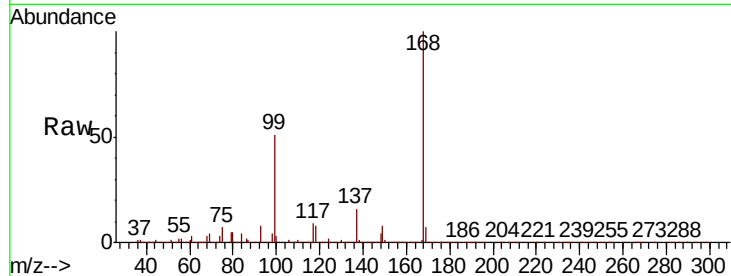




#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013484.D
 Acq: 20 Nov 2019 17:55

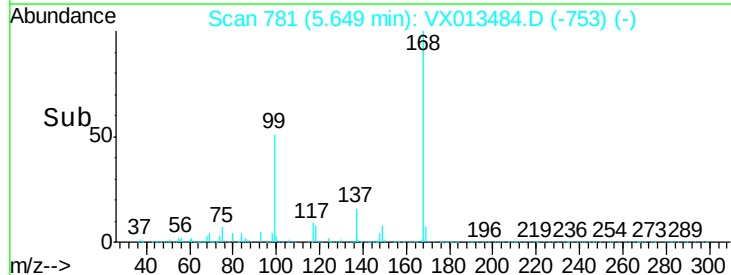
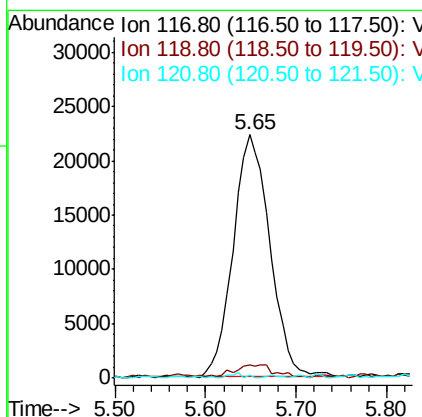
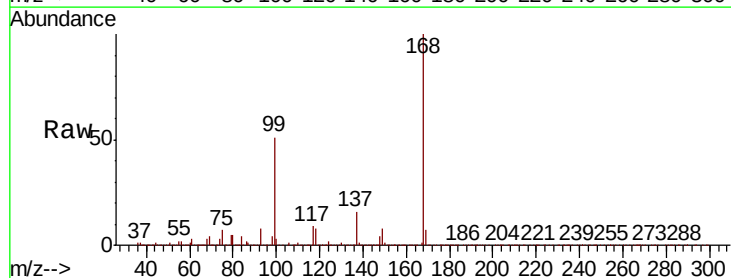
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

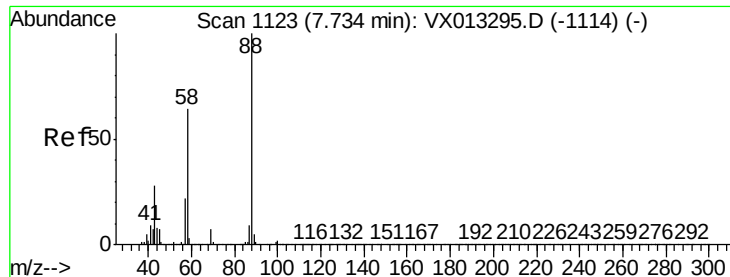
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.454 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013484.D
 Acq: 20 Nov 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	1.2	24.6	37.0#





#49

1,4-Dioxane

Concen: 0.706 ug/l

RT: 7.78 min Scan# 1130

Delta R.T. 0.04 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

IBLK

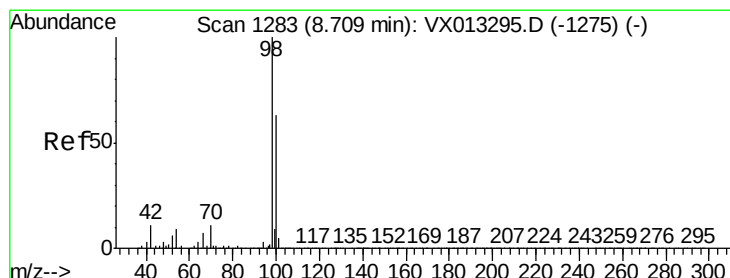
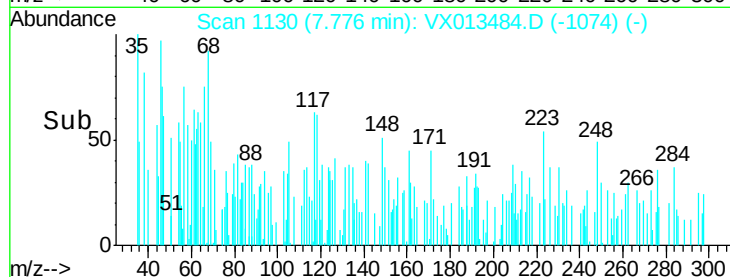
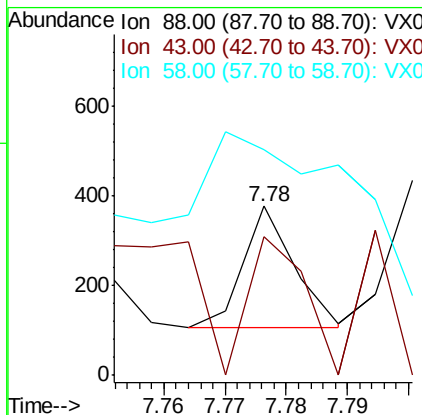
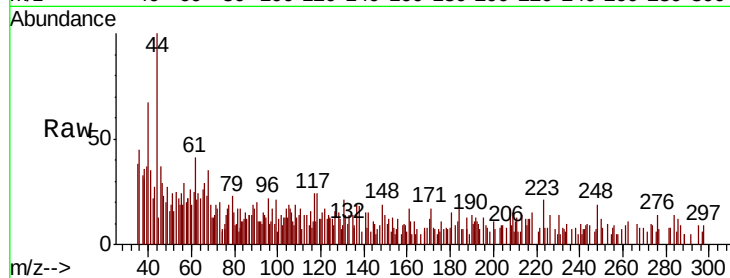
Tot Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 129.2 26.6 39.8#

58 551.9 55.0 82.6#



#50

Toluene-d8

Concen: 50.437 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013484.D

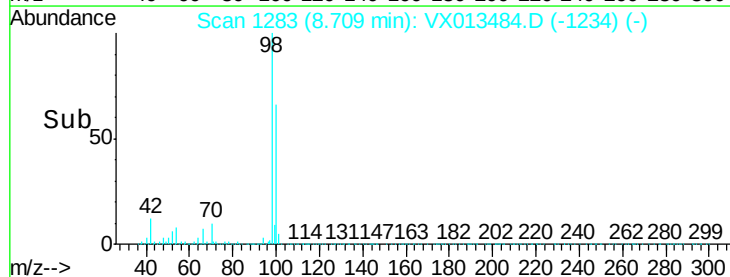
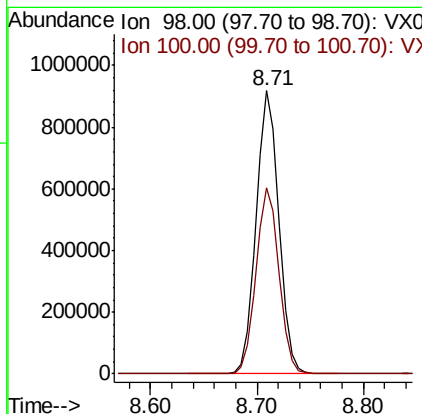
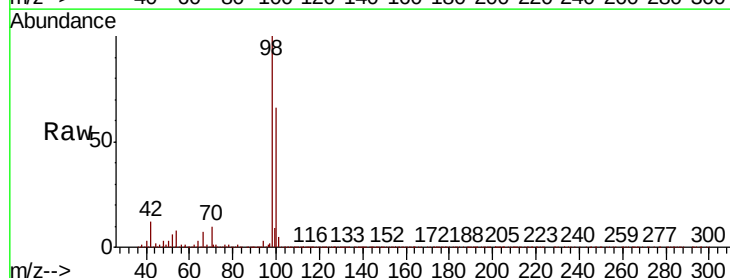
Acq: 20 Nov 2019 17:55

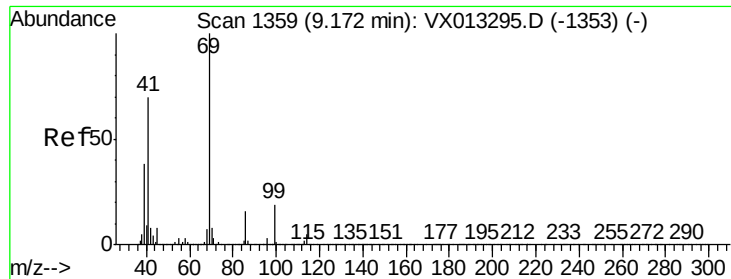
Tgt Ion: 98 Resp: 1378634

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.602 ug/l

RT: 9.19 min Scan# 1362

Delta R.T. 0.02 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

IBLK

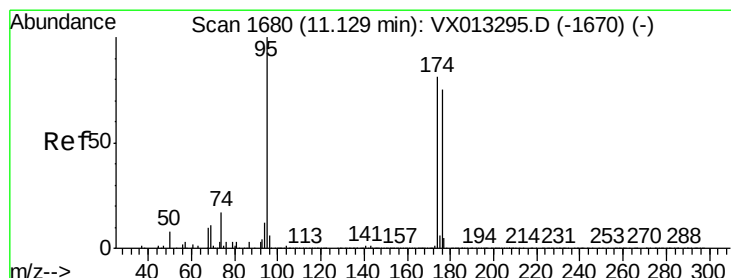
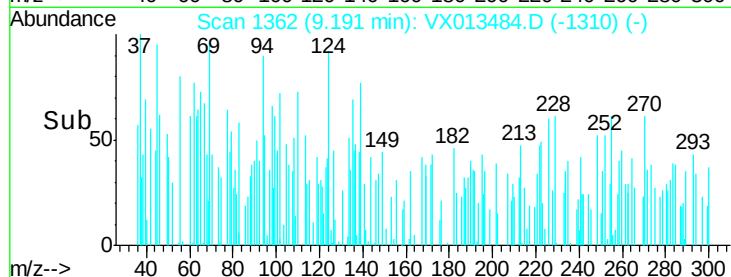
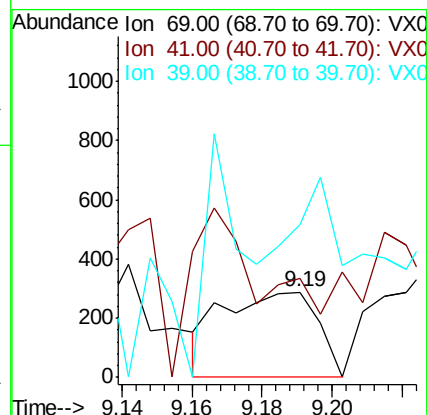
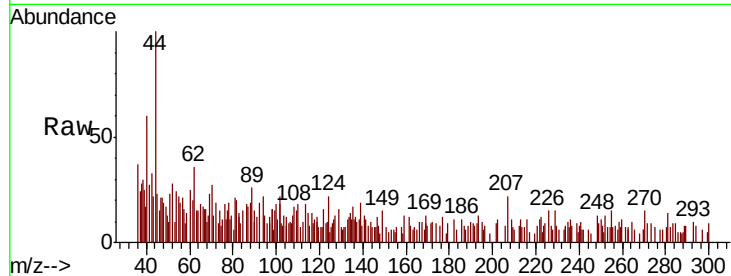
Tot Ion: 69 Resp: 540

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 191.9 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 48.065 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

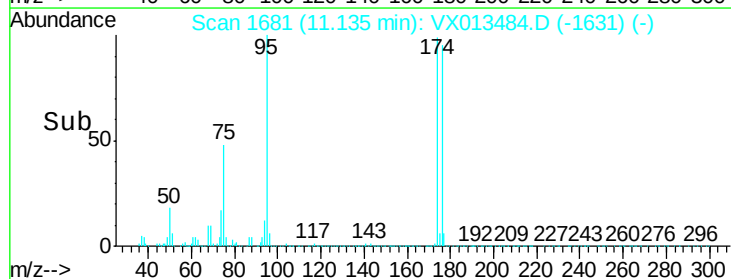
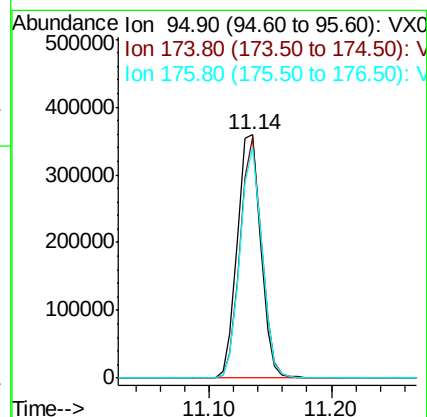
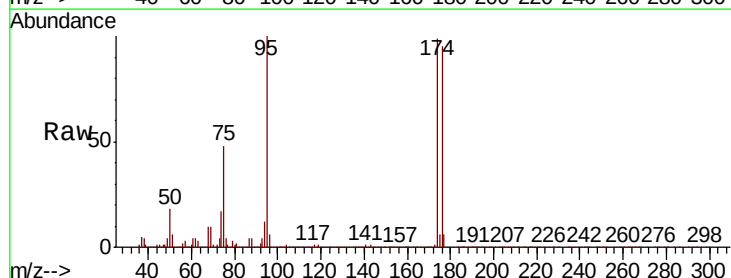
Tgt Ion: 95 Resp: 474152

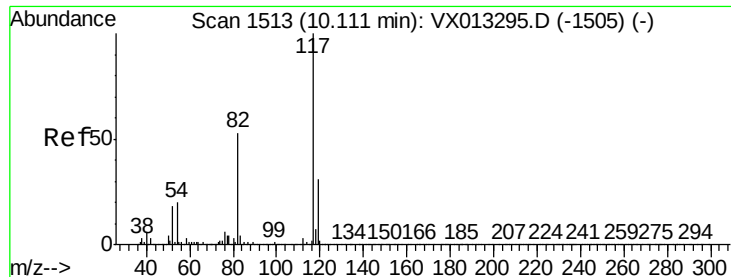
Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.8

176 88.6 0.0 173.0

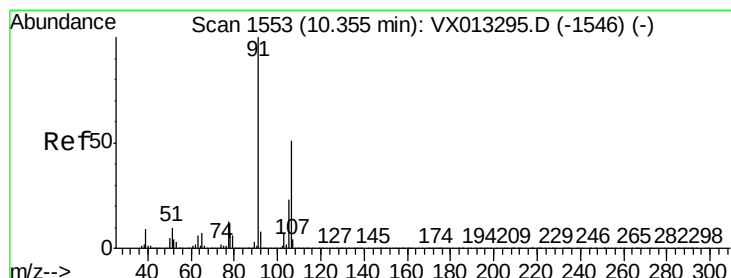
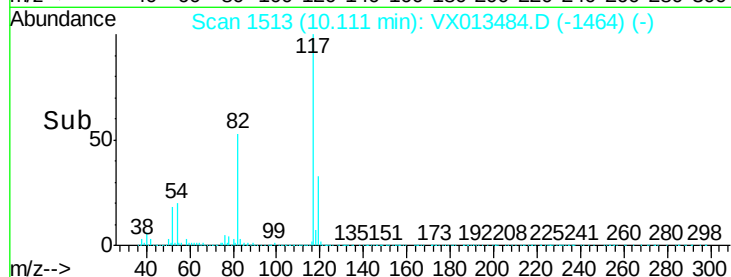
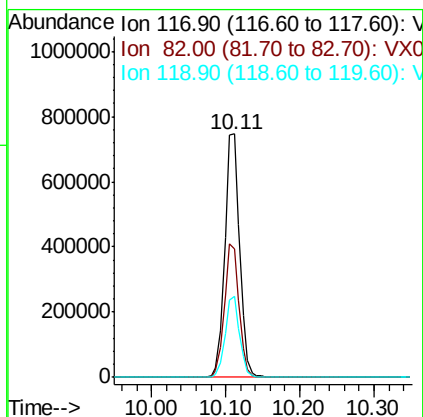
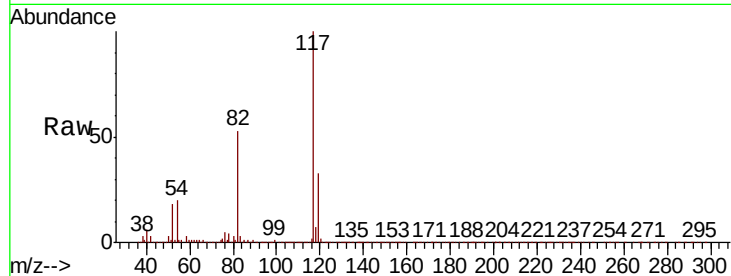




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013484.D
Acq: 20 Nov 2019 17:55

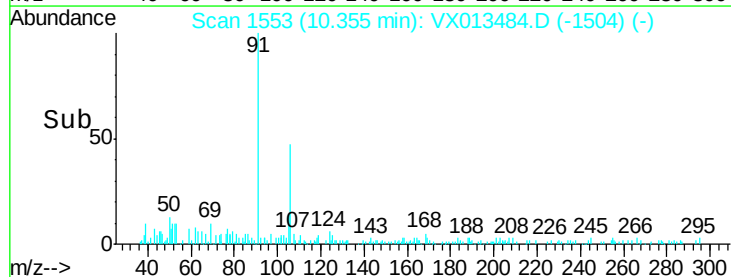
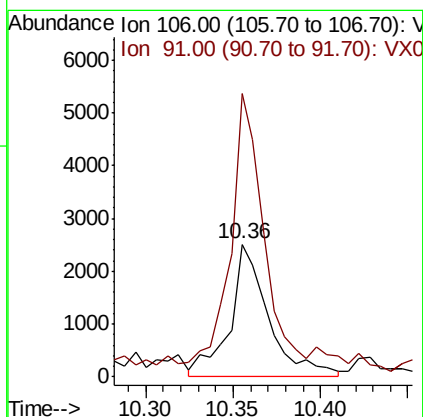
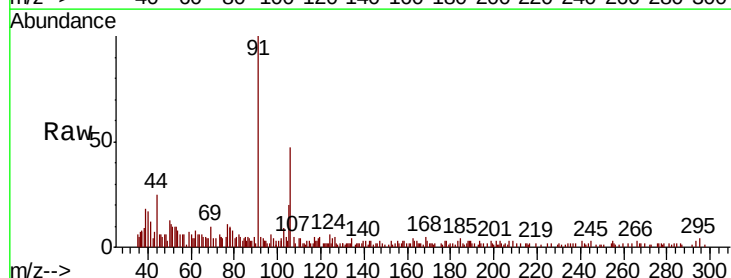
Instrument :
MSVOA_X
ClientSampled :
IBLK

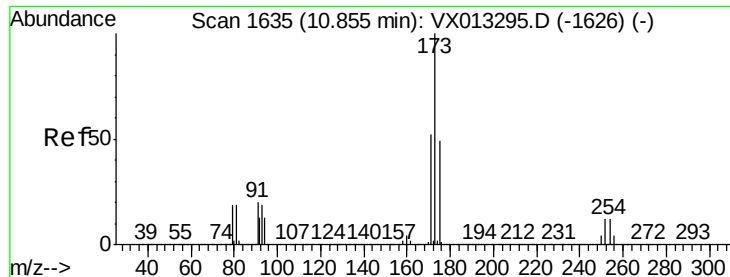
Tot Ion:117 Resp: 1039877
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 33.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.282 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013484.D
Acq: 20 Nov 2019 17:55

Tgt Ion:106 Resp: 3880
Ion Ratio Lower Upper
106 100
91 164.3 159.3 238.9





#71

Bromoform

Concen: 3.260 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

IBLK

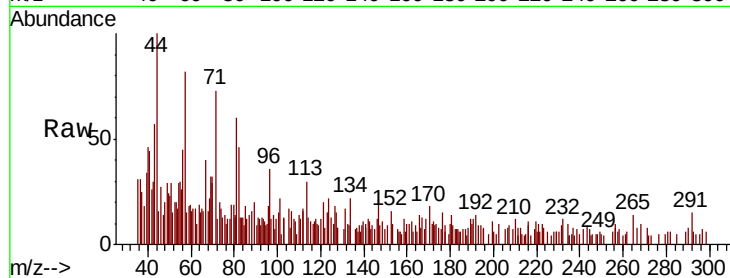
Tot Ion:173 Resp: 440

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

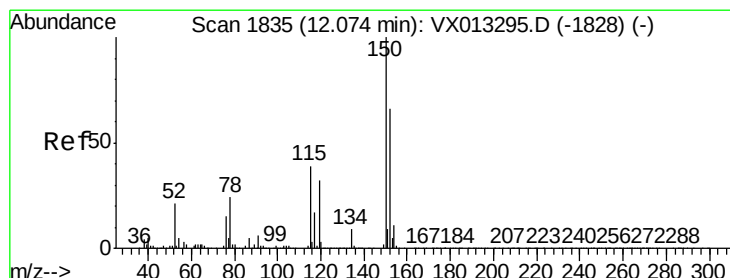
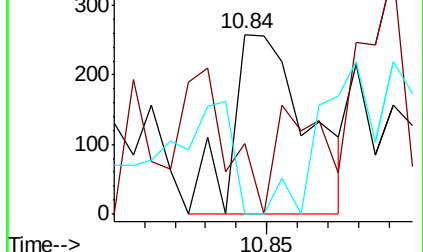
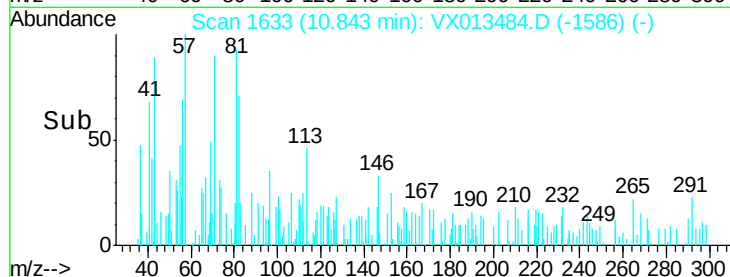
254 49.3 0.2 0.2#



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: VX013484.D

Acq: 20 Nov 2019 17:55

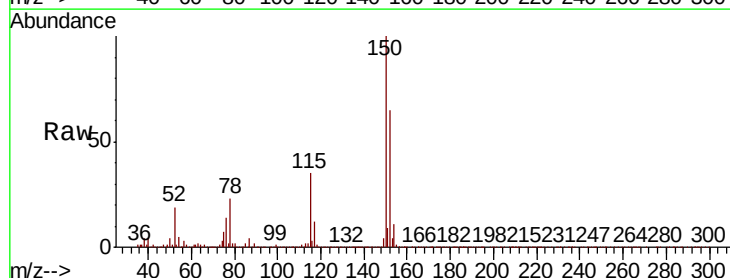
Tgt Ion:152 Resp: 491330

Ion Ratio Lower Upper

152 100

115 55.1 39.5 118.3

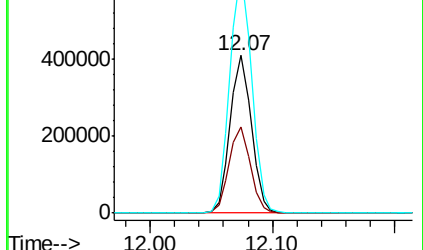
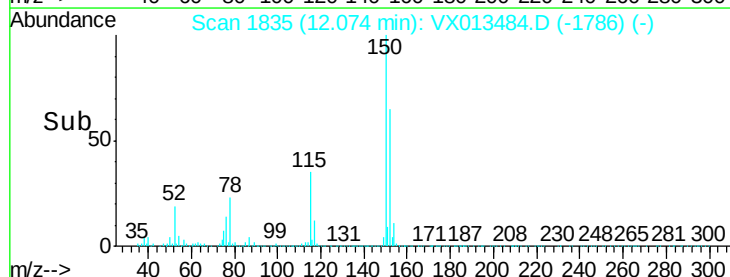
150 155.8 0.0 344.4

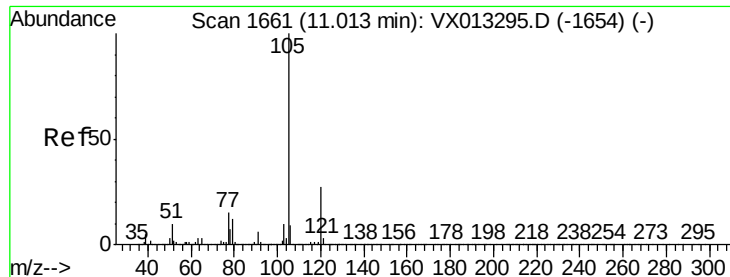


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.335 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampled :

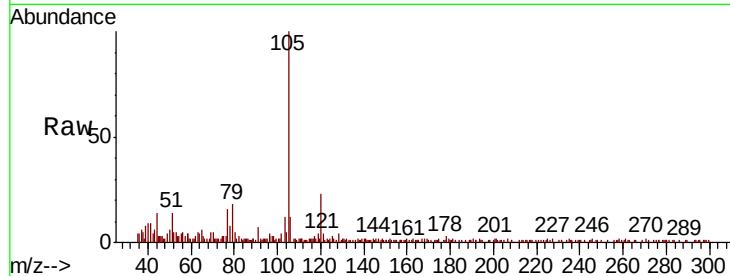
IBLK

Tot Ion:105 Resp: 10926

Ion Ratio Lower Upper

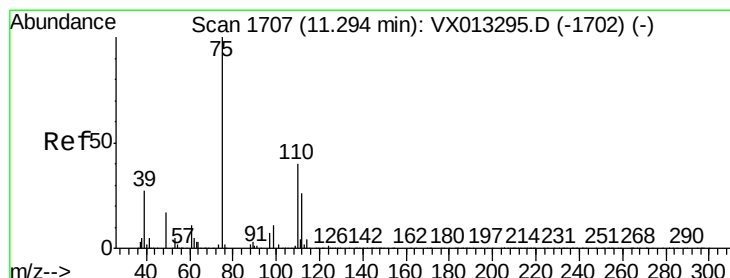
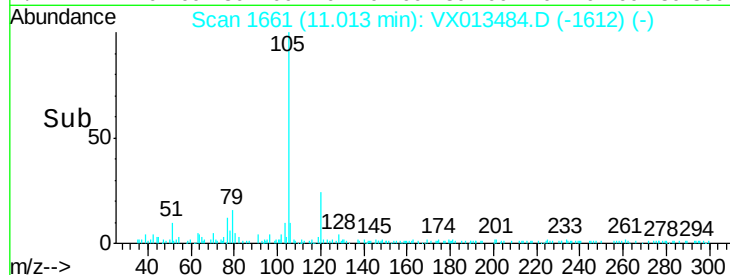
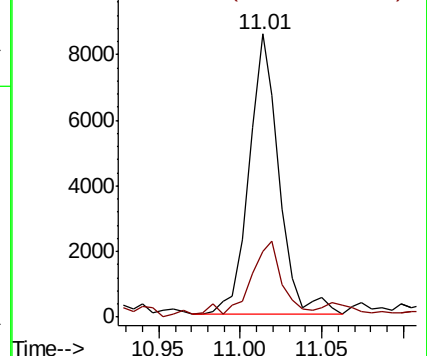
105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 23.300 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013484.D

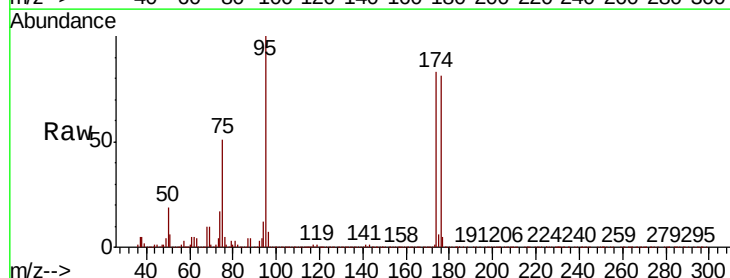
Acq: 20 Nov 2019 17:55

Tgt Ion: 75 Resp: 232526

Ion Ratio Lower Upper

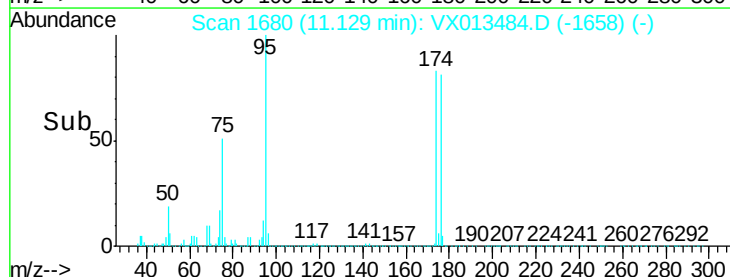
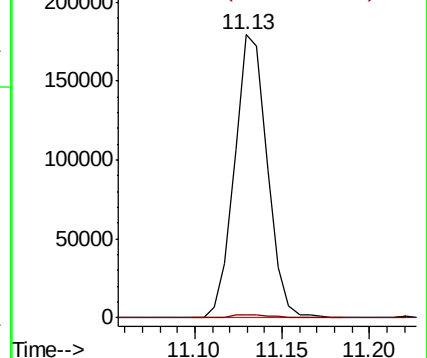
75 100

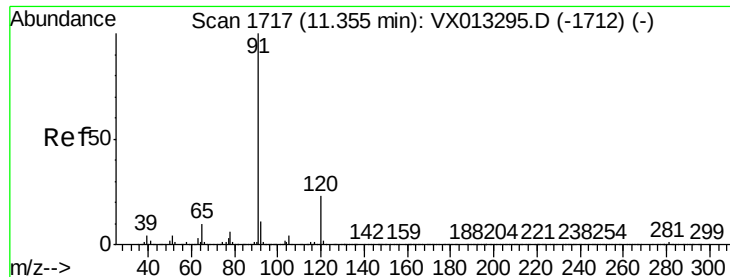
77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.890 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

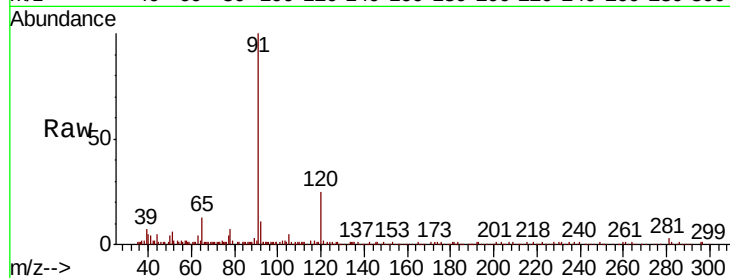
IBLK

Tot Ion: 91 Resp: 32285

Ion Ratio Lower Upper

91 100

120 26.2 11.6 34.8

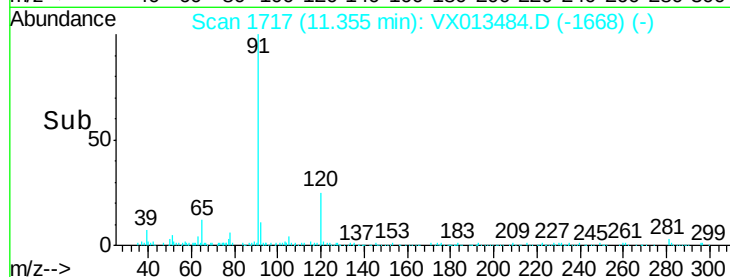


Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VX013295.D (-1712) (-)

Time-->

11.35

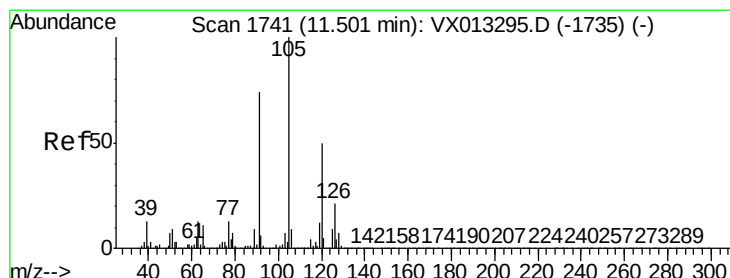


Abundance Ion 91.00 (90.70 to 91.70): VX013484.D (-1668) (-)

Ion 120.00 (119.70 to 120.70): VX013484.D (-1668) (-)

Time-->

11.35



#80

1,3,5-Trimethylbenzene

Concen: 0.652 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013484.D

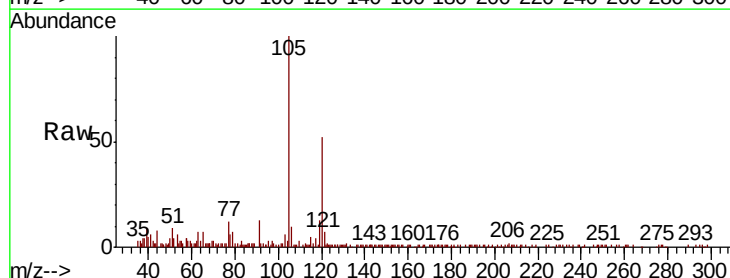
Acq: 20 Nov 2019 17:55

Tgt Ion: 105 Resp: 17685

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.8

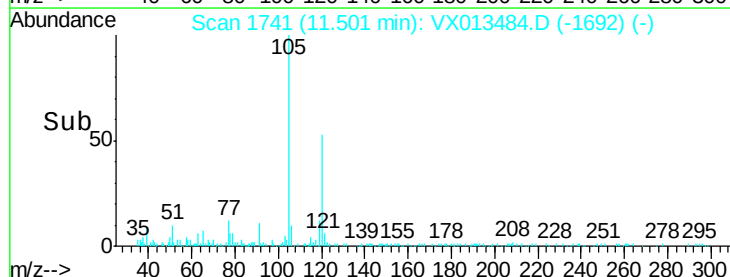


Abundance Ion 105.00 (104.70 to 105.70): VX013295.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013295.D (-1735) (-)

Time-->

11.50

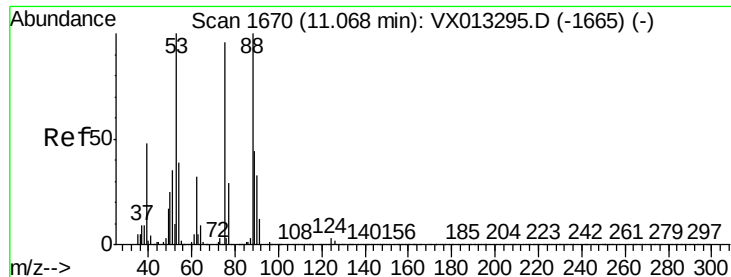


Abundance Ion 105.00 (104.70 to 105.70): VX013484.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013484.D (-1692) (-)

Time-->

11.50



#81

trans-1,4-Dichloro-2-butene

Concen: 59.974 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

IBLK

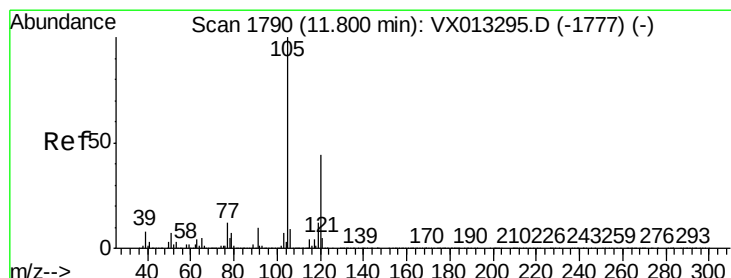
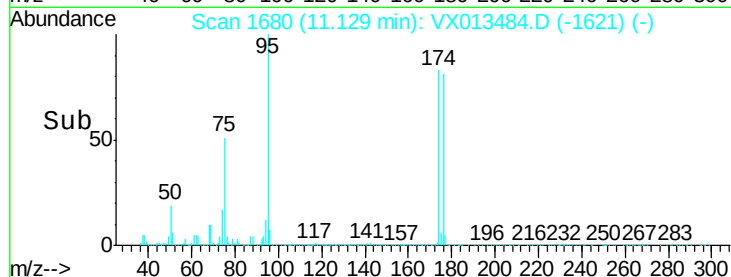
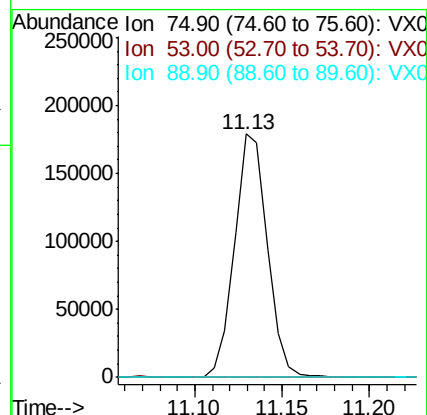
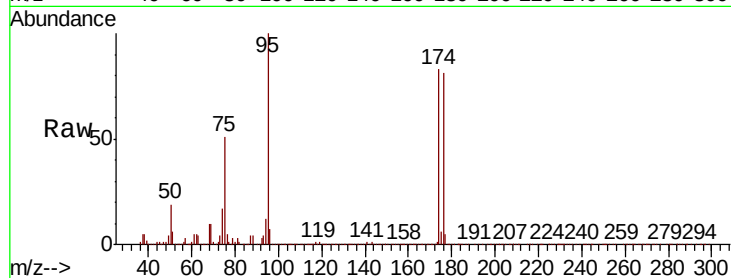
Tot Ion: 75 Resp: 232526

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.2 36.0 54.0#



#84

1,2,4-Trimethylbenzene

Concen: 3.735 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013484.D

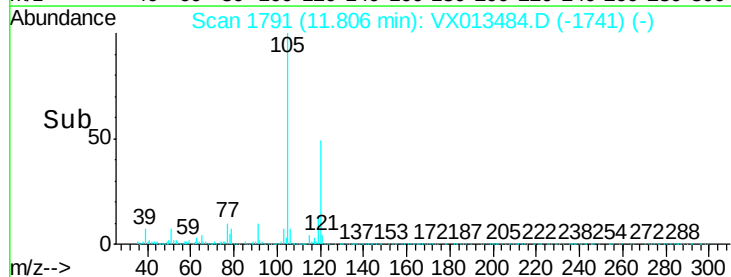
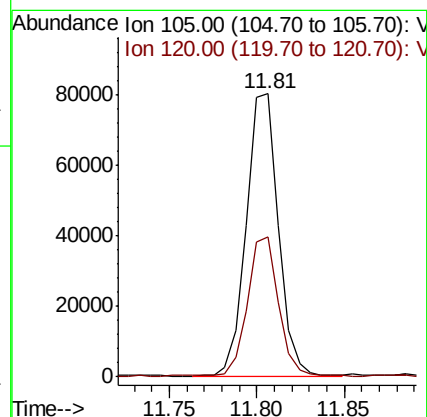
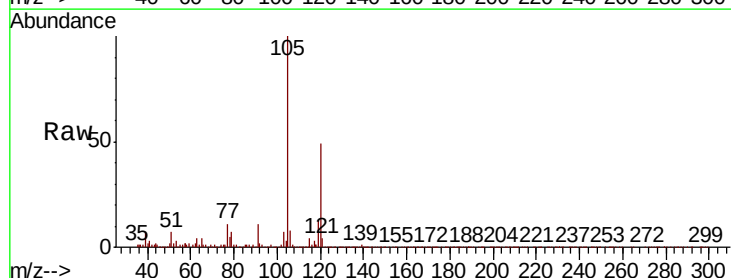
Acq: 20 Nov 2019 17:55

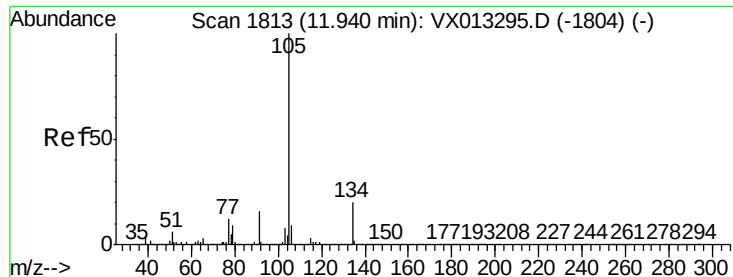
Tgt Ion: 105 Resp: 101666

Ion Ratio Lower Upper

105 100

120 47.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 0.249 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

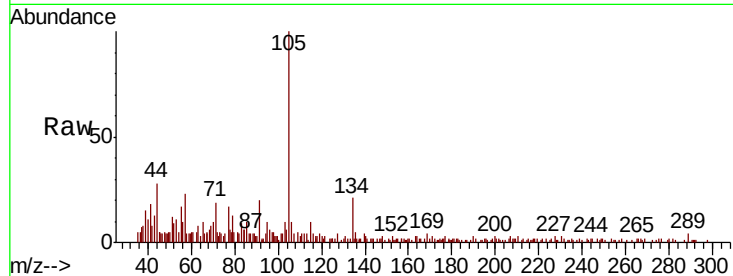
IBLK

Tot Ion:105 Resp: 7804

Ion Ratio Lower Upper

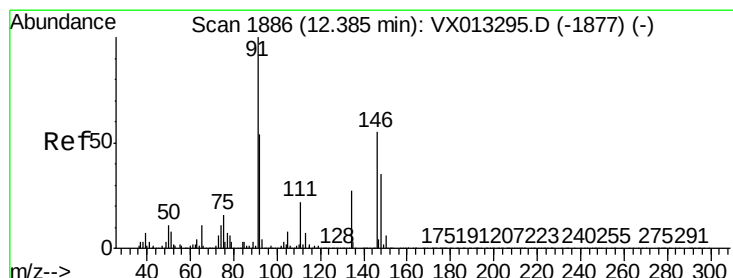
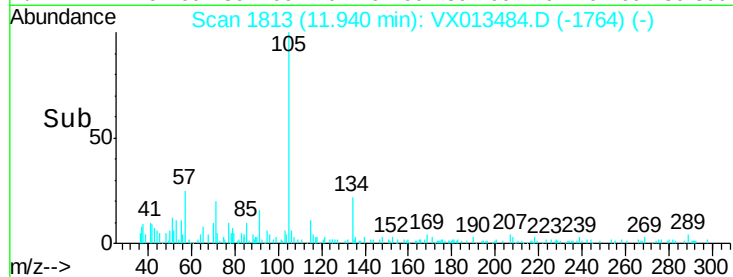
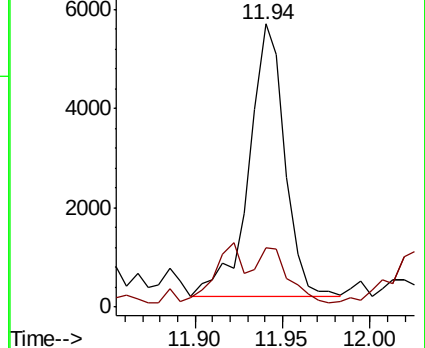
105 100

134 16.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.287 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013484.D

Acq: 20 Nov 2019 17:55

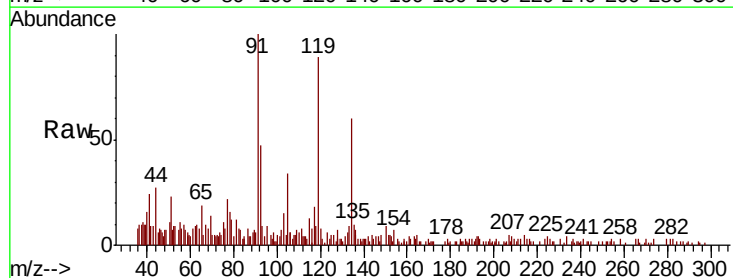
Tgt Ion: 91 Resp: 7248

Ion Ratio Lower Upper

91 100

92 45.3 27.3 81.8

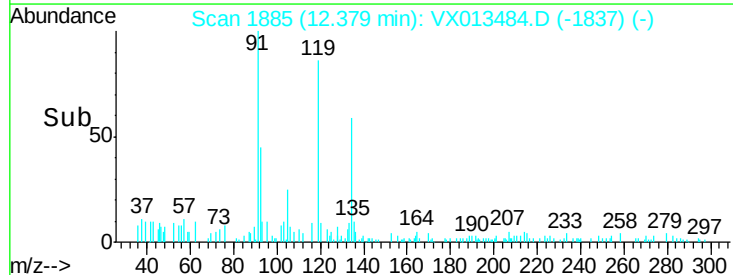
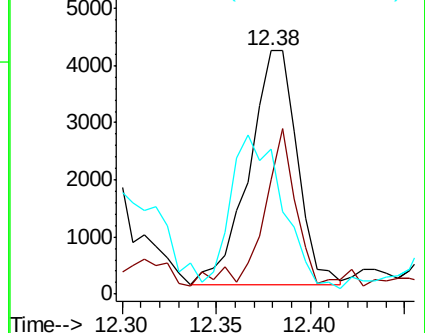
134 70.1 13.5 40.5#

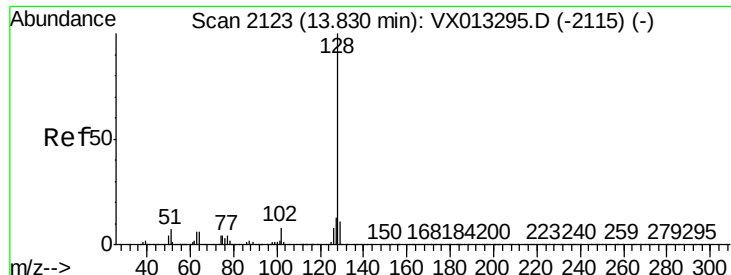


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 0.308 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013484.D
Acq: 20 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.2	15.2#
129	12.0	8.5	12.7

