

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013316.D
 Acq On : 01 Nov 2019 17:06
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:31:49 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	738826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1122252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	995863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	456404	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	420434	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	5.48	113	335648	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	8.71	98	1316225	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	441142	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

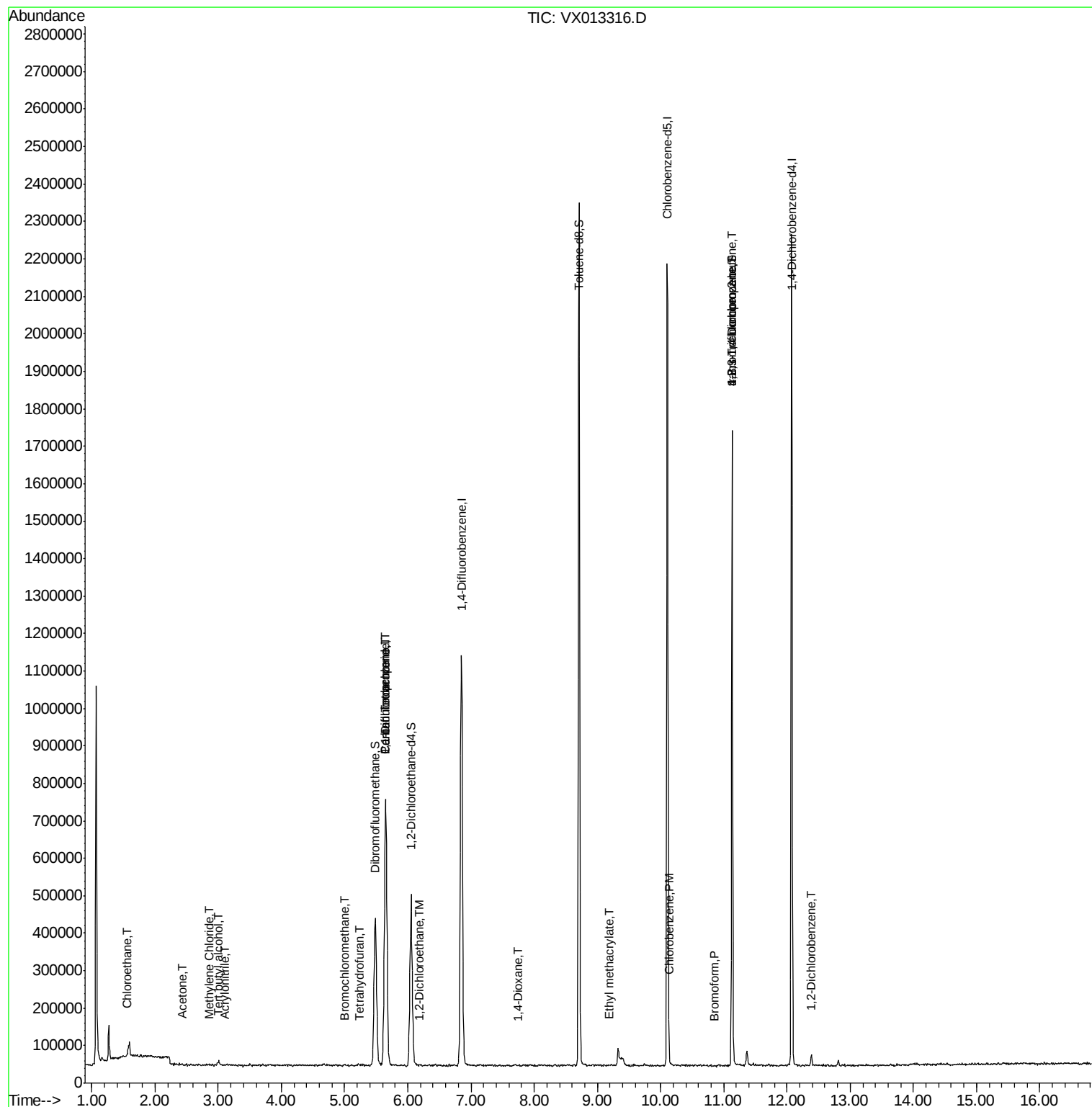
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	13603	1.099	ug/l #	44
11) Tert butyl alcohol	3.00	59	8601	3.728	ug/l #	87
15) Acrylonitrile	3.11	53	866	0.201	ug/l #	17
16) Acetone	2.43	43	926	0.212	ug/l #	81
20) Methylene Chloride	2.84	84	1632	0.202	ug/l #	78
28) Bromochloromethane	5.00	49	834	0.221	ug/l #	74
29) Tetrahydrofuran	5.23	42	1086	0.275	ug/l	97
36) 1,1-Dichloropropene	5.65	75	51629	5.363	ug/l #	50
38) Carbon Tetrachloride	5.65	117	65822	6.992	ug/l #	16
42) 1,2-Dichloroethane	6.19	62	2871	0.265	ug/l #	74
49) 1,4-Dioxane	7.73	88	173	0.817	ug/l #	1
56) Ethyl methacrylate	9.19	69	606	1.608	ug/l #	22
65) Chlorobenzene	10.14	112	5275	0.262	ug/l #	83
71) Bromoform	10.84	173	225	3.233	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	221944	23.942	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	221944	61.625	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	10294	0.716	ug/l	96

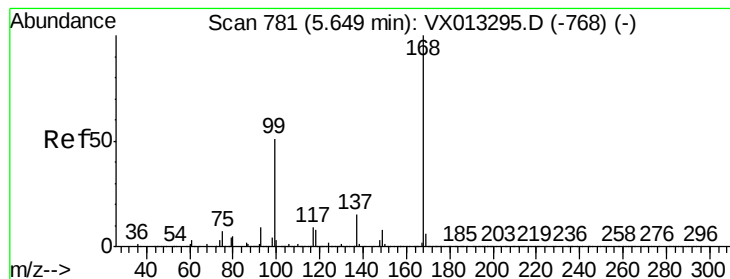
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

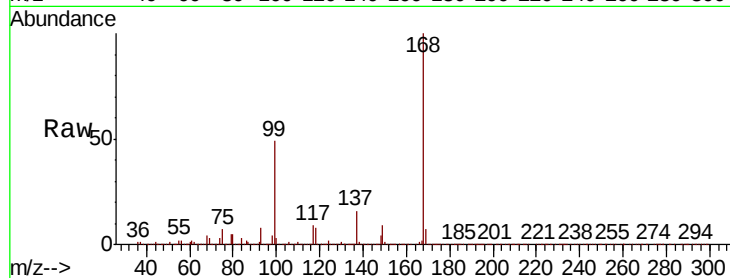
ClientSampleId :

Tot Ion:168 Resp: 738826

Ion Ratio Lower Upper

168 100

99 48.7 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

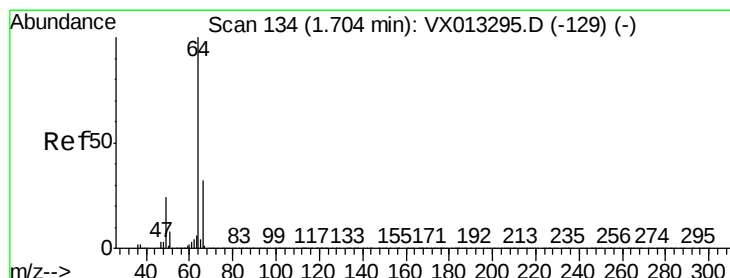
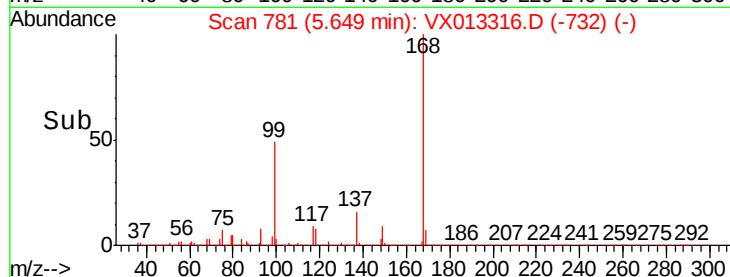
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 1.099 ug/l

RT: 1.56 min Scan# 110

Delta R.T. -0.15 min

Lab File: VX013316.D

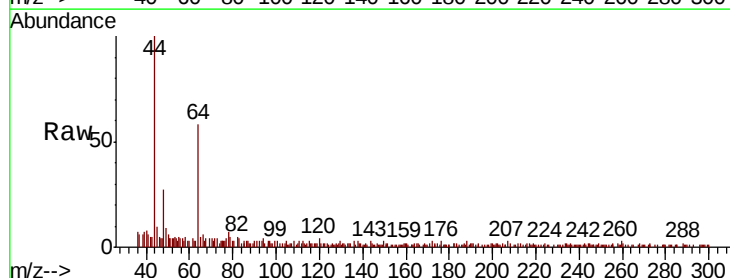
Acq: 01 Nov 2019 17:06

Tgt Ion: 64 Resp: 13603

Ion Ratio Lower Upper

64 100

66 1.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.56

6000

5000

4000

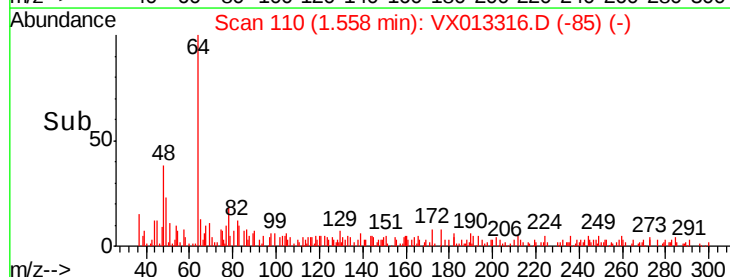
3000

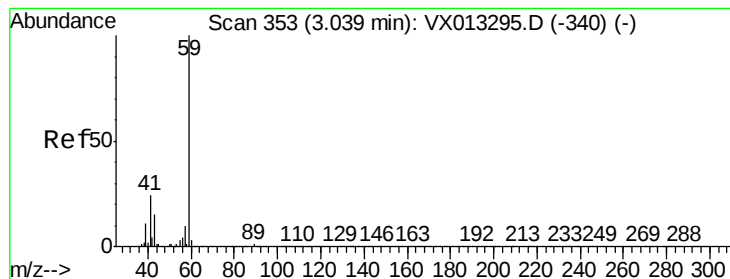
2000

1000

0

Time-->



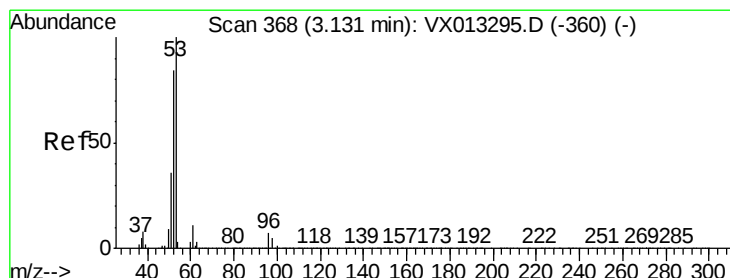
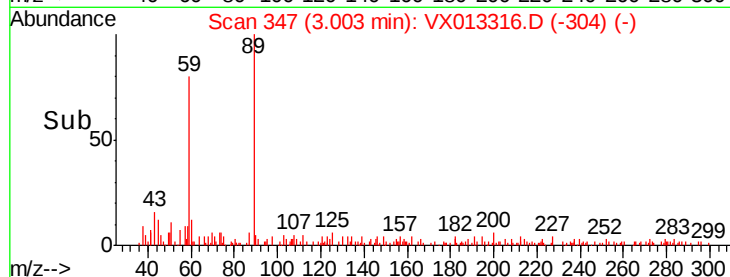
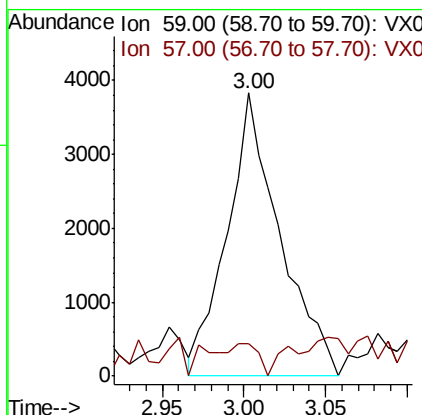
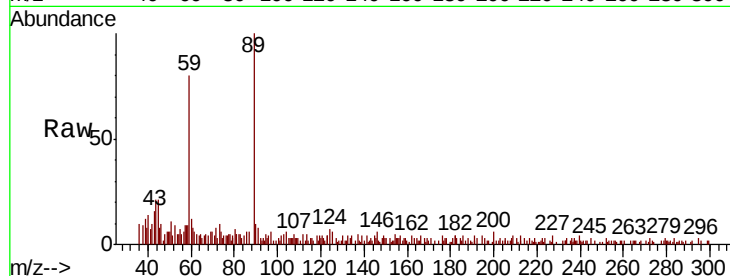


#11

Tert butyl alcohol
 Concen: 3.728 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :

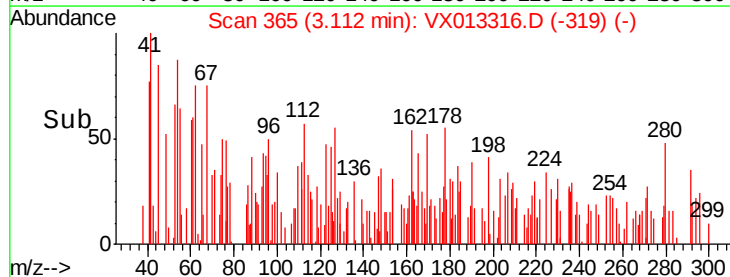
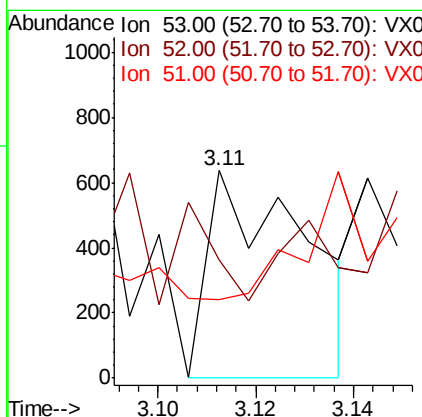
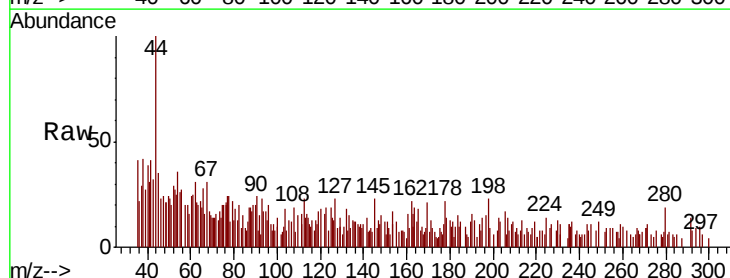
Tot Ion: 59 Resp: 8601
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.0 12.0#

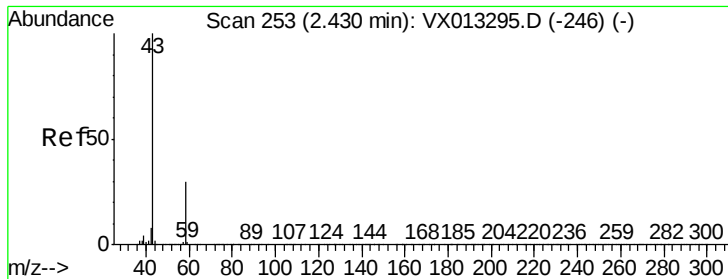


#15

Acrylonitrile
 Concen: 0.201 ug/l
 RT: 3.11 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

Tgt Ion: 53 Resp: 866
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.4 101.0#
 51 0.0 29.4 44.2#





#16

Acetone

Concen: 0.212 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

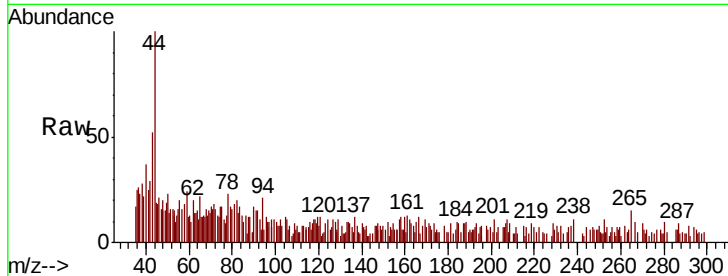
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 926

Ion Ratio Lower Upper

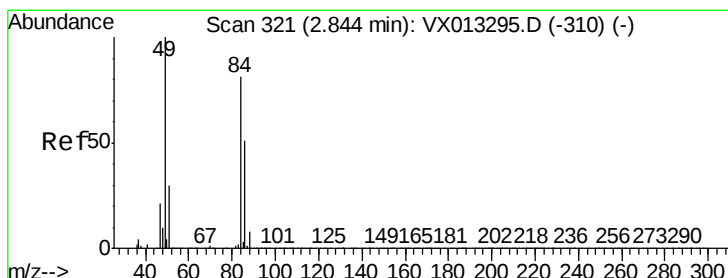
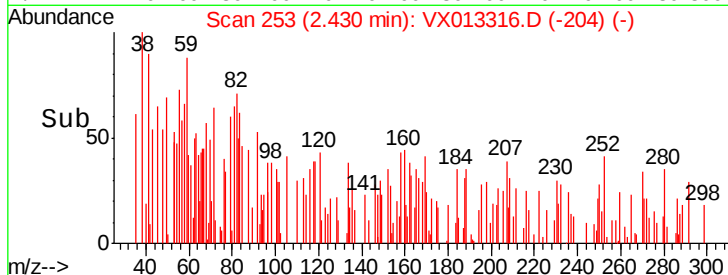
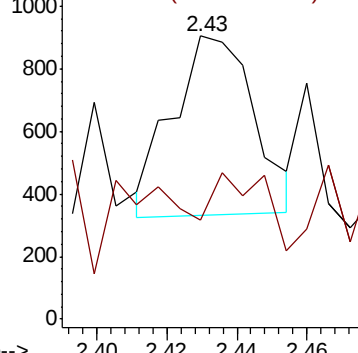
43 100

58 19.8 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Tgt Ion: 84 Resp: 1632

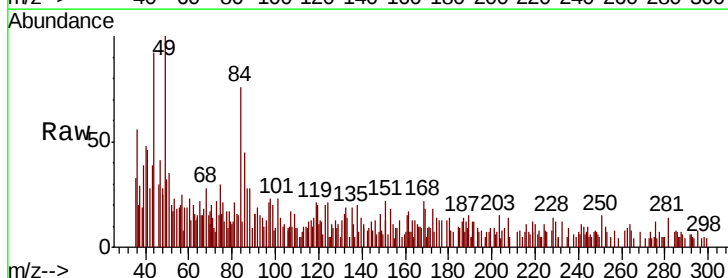
Ion Ratio Lower Upper

84 100

49 117.8 98.2 147.4

51 5.8 29.9 44.9#

86 32.6 49.9 74.9#

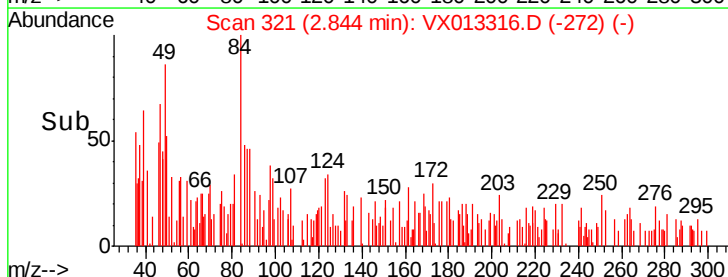
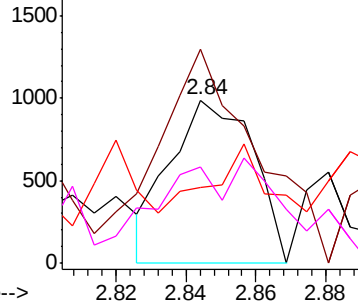


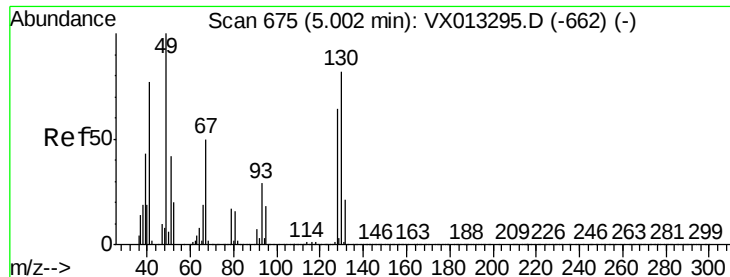
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#28

Bromochloromethane

Concen: 0.221 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :
MSVOA_X
ClientSampled :

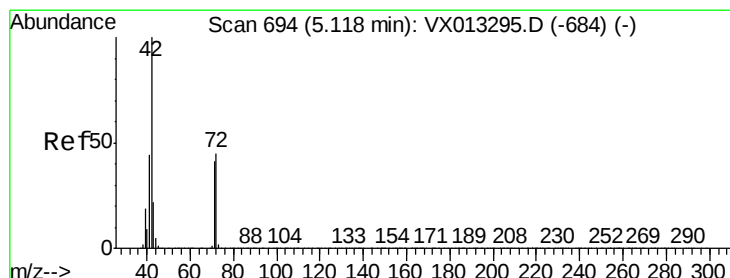
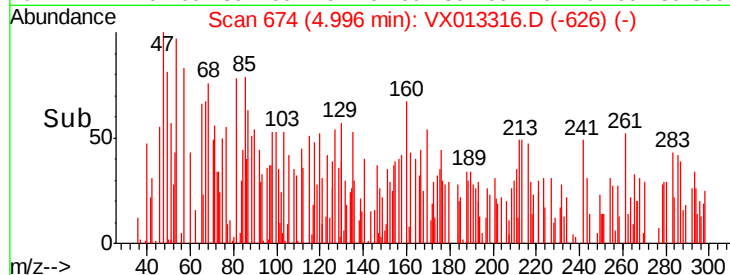
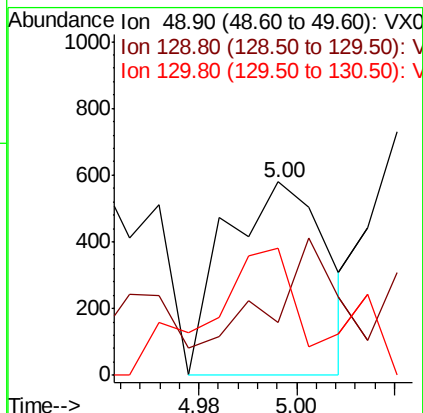
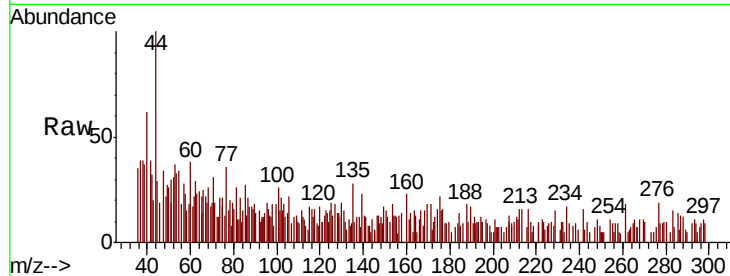
Tot Ion: 49 Resp: 834

Ion Ratio Lower Upper

49 100

129 67.3 0.0 5.2#

130 61.8 63.8 95.6#



#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 5.23 min Scan# 713

Delta R.T. 0.12 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

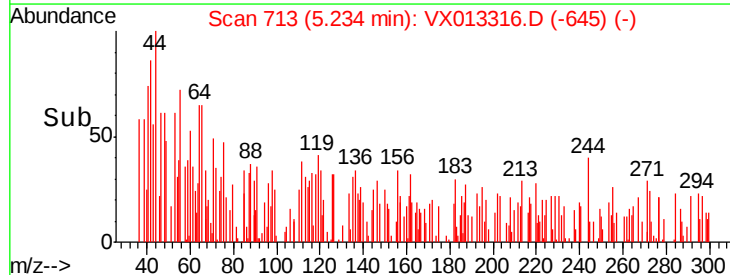
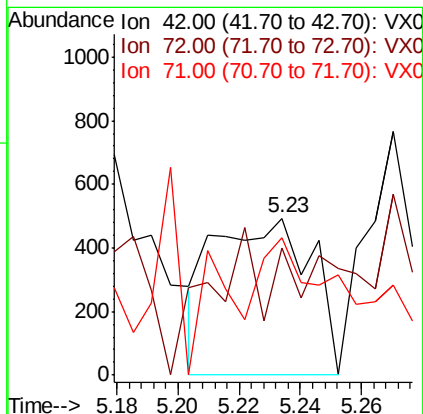
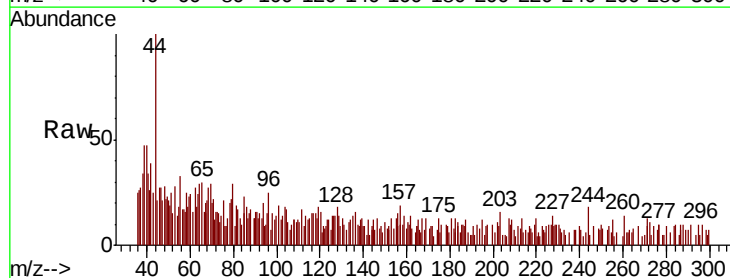
Tgt Ion: 42 Resp: 1086

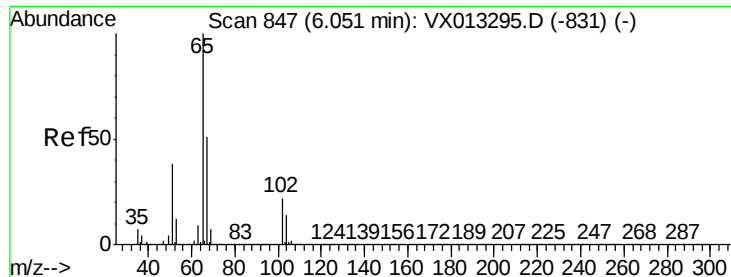
Ion Ratio Lower Upper

42 100

72 48.2 35.8 53.8

71 41.6 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 48.034 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

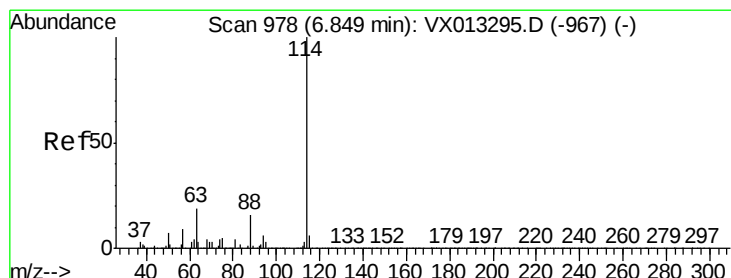
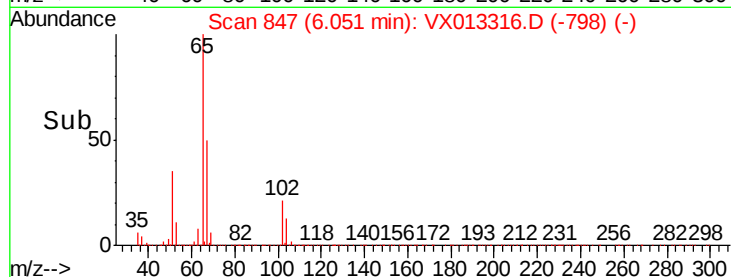
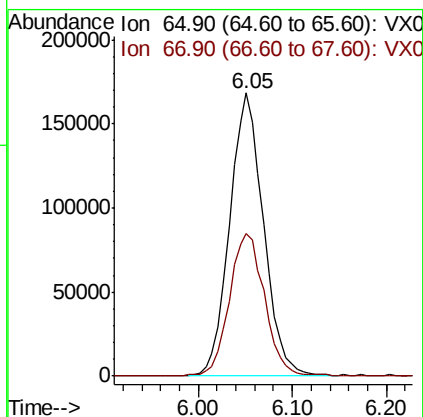
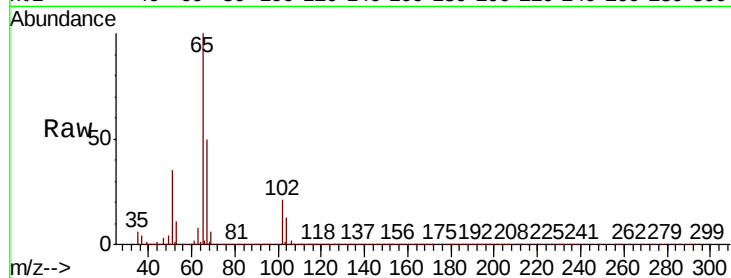
ClientSampleId :

Tot Ion: 65 Resp: 420434

Ion Ratio Lower Upper

65 100

67 52.7 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: VX013316.D

Acq: 01 Nov 2019 17:06

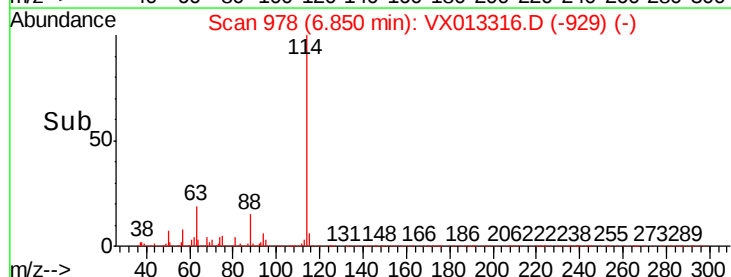
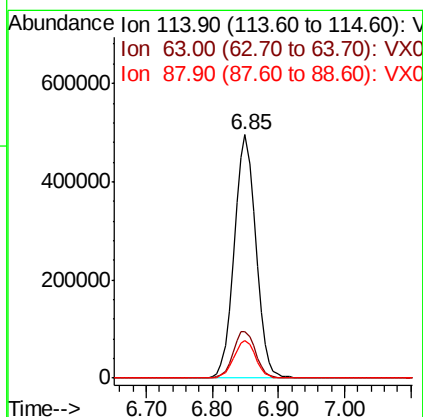
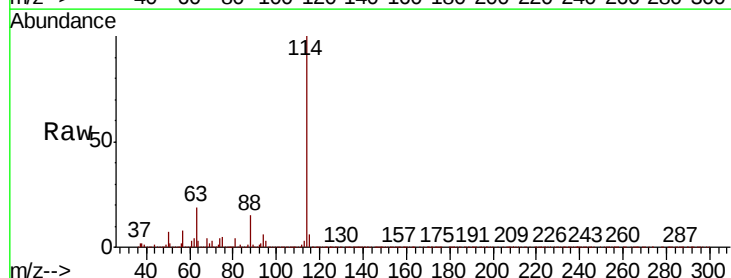
Tgt Ion: 114 Resp: 1122252

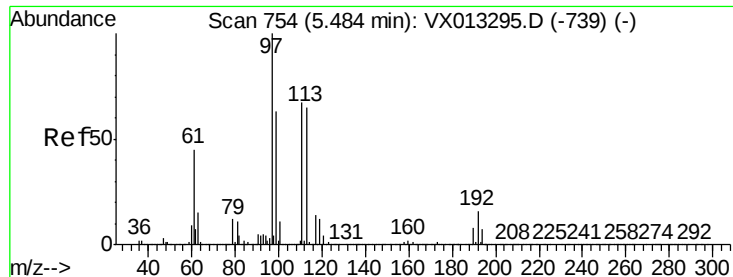
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 15.1 0.0 32.2

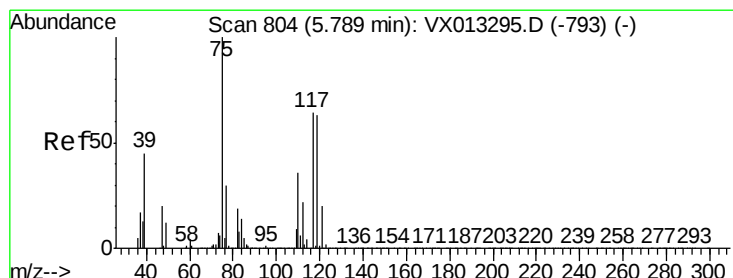
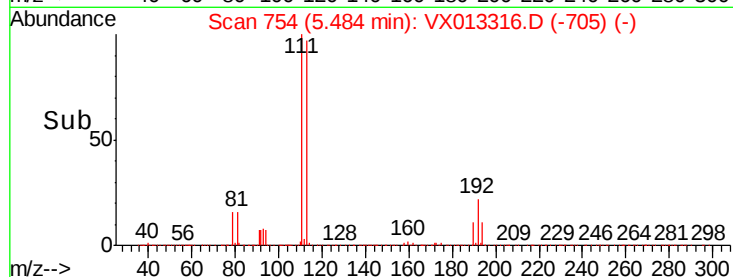
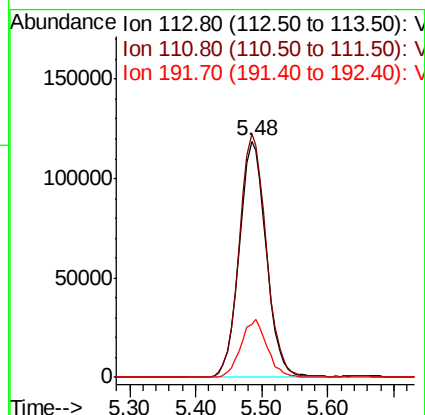
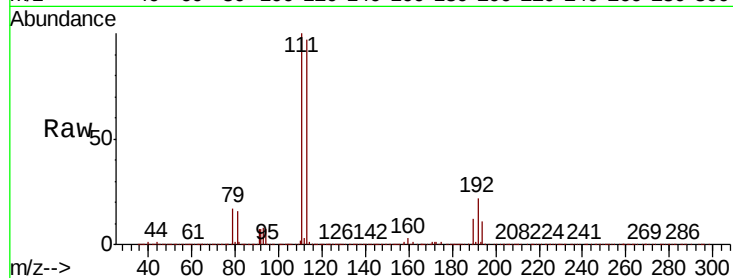




#35
 Dibromofluoromethane
 Concen: 47.685 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

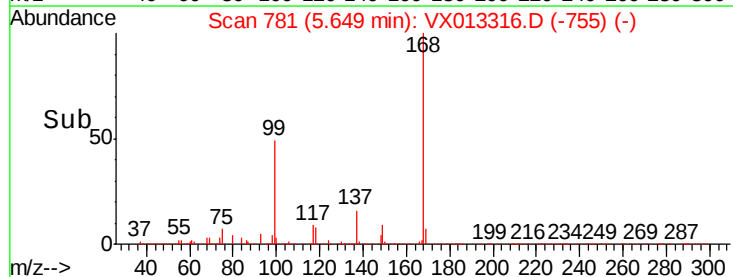
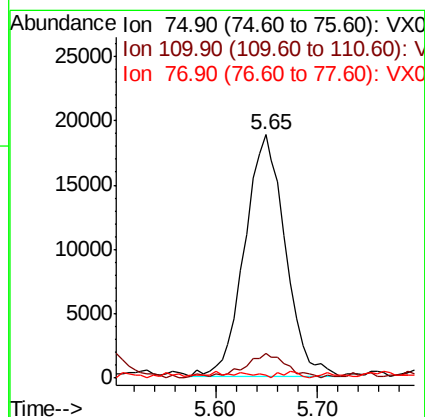
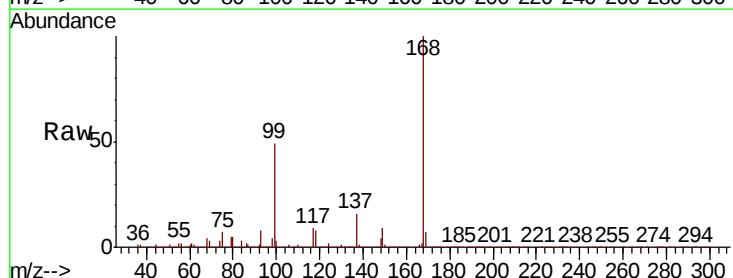
Instrument :
 MSVOA_X
 ClientSampleId :

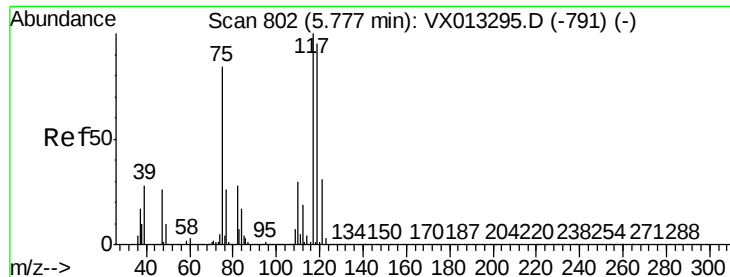
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	24.1	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 5.363 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.992 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

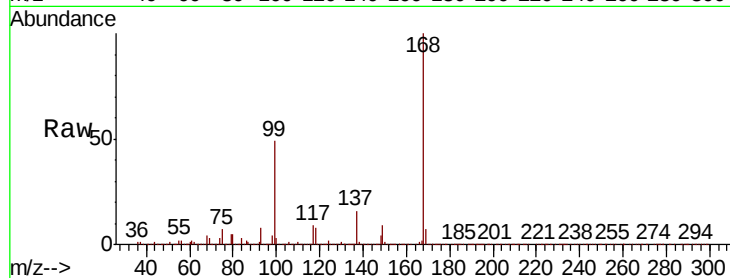
Tot Ion:117 Resp: 65822

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

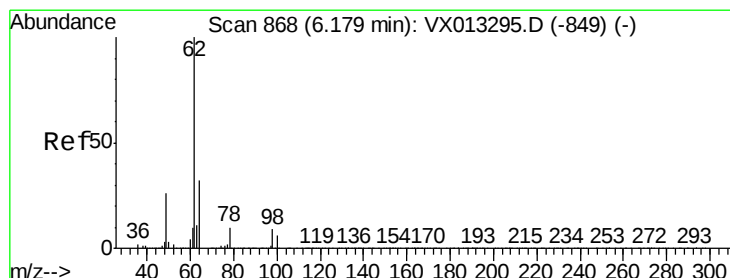
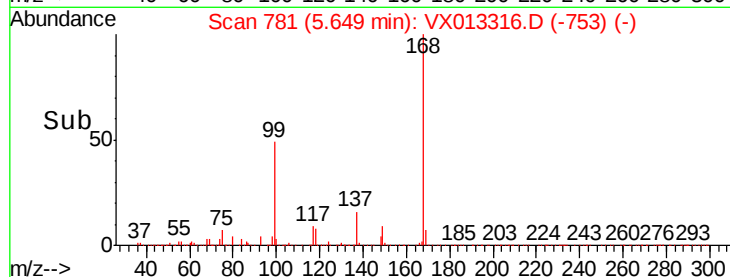
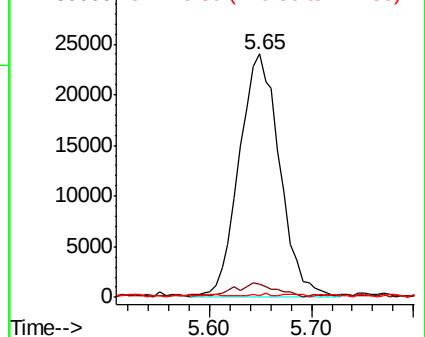
121 0.0 24.6 37.0#



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



#42

1,2-Dichloroethane

Concen: 0.265 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX013316.D

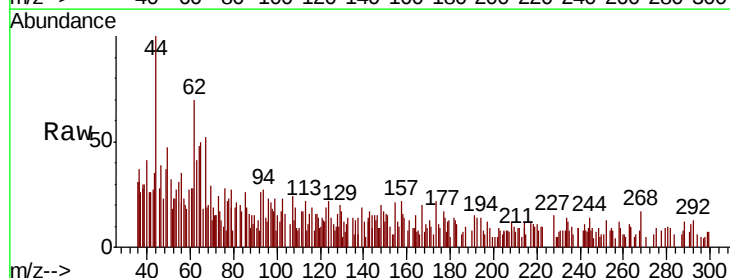
Acq: 01 Nov 2019 17:06

Tgt Ion: 62 Resp: 2871

Ion Ratio Lower Upper

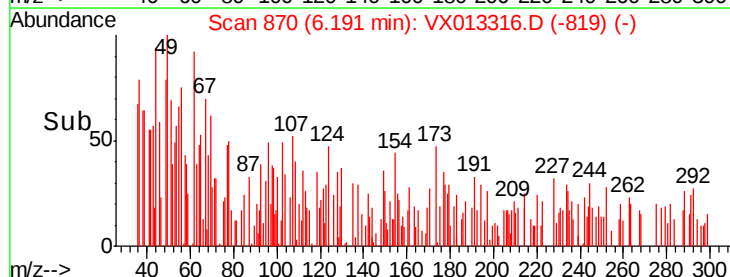
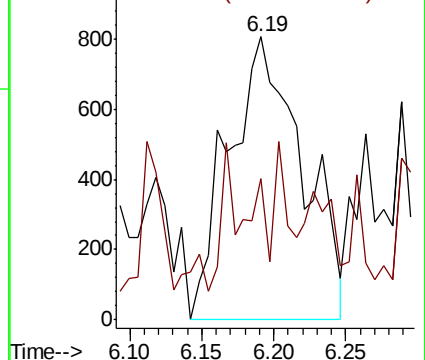
62 100

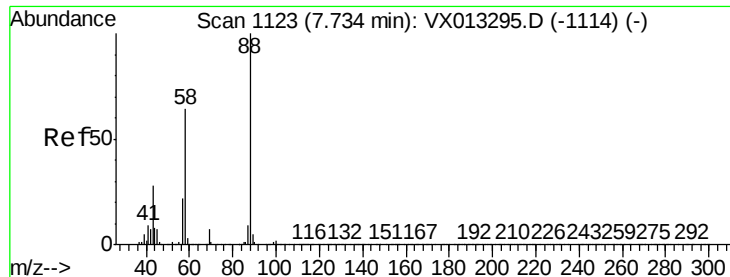
98 0.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.817 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

ClientSampled :

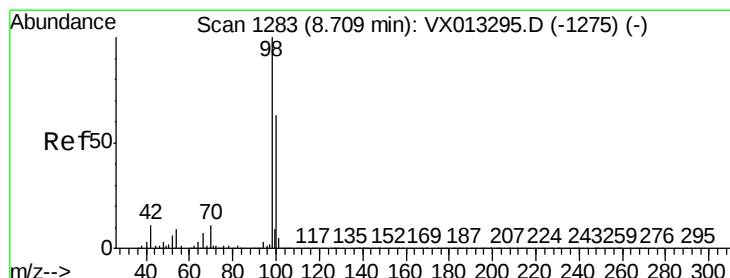
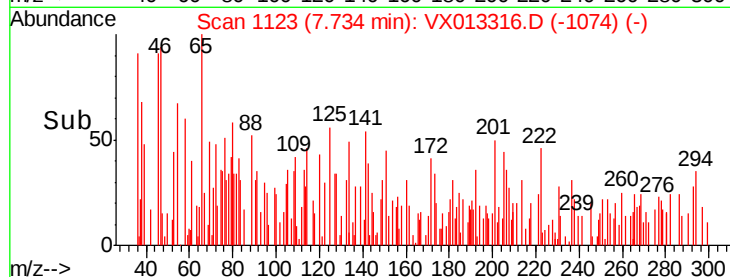
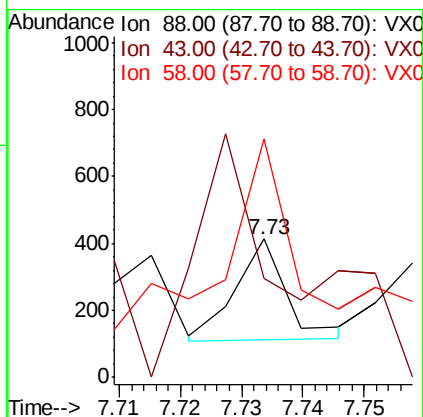
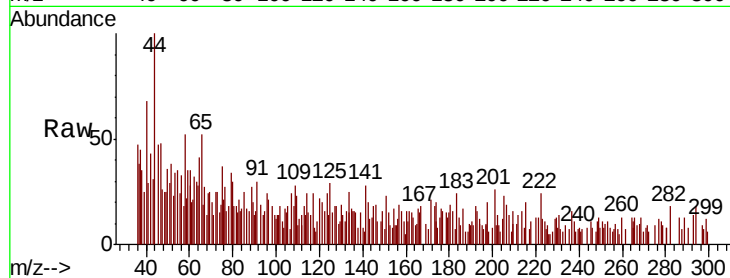
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 465.9 26.6 39.8#

58 239.9 55.0 82.6#



#50

Toluene-d8

Concen: 49.602 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013316.D

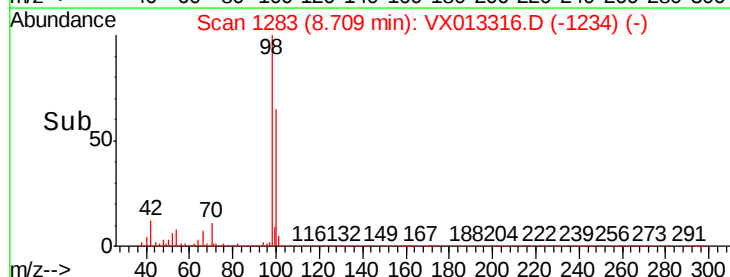
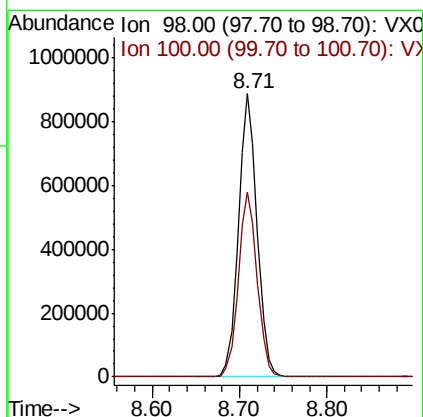
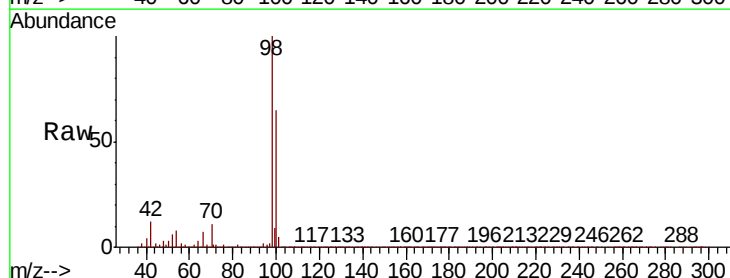
Acq: 01 Nov 2019 17:06

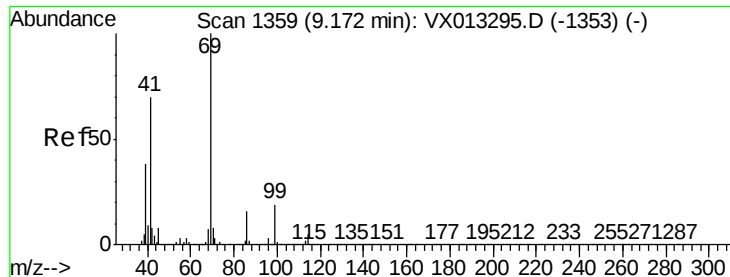
Tgt Ion: 98 Resp: 1316225

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.608 ug/l

RT: 9.19 min Scan# 1362

Delta R.T. 0.02 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :
MSVOA_X
ClientSampled :

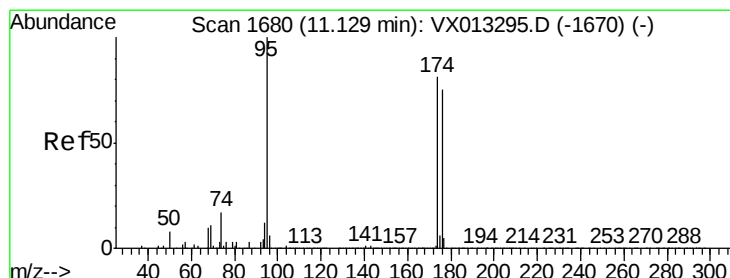
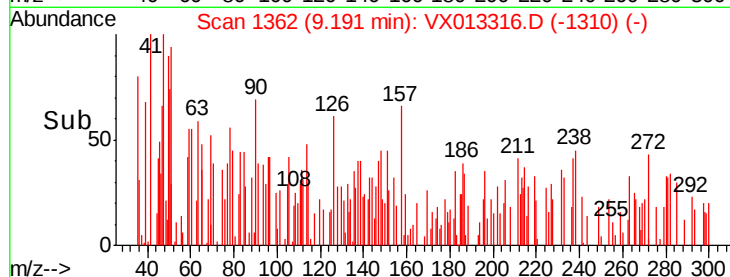
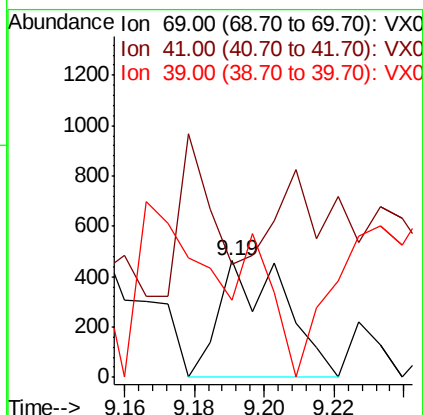
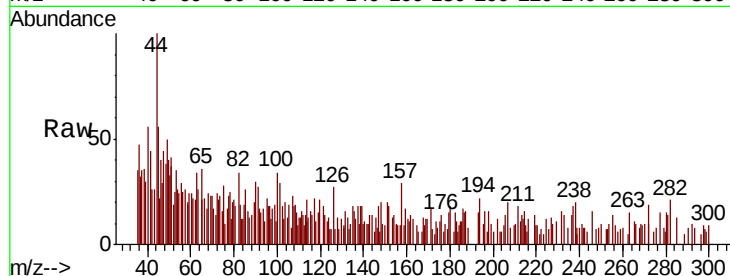
Tot Ion: 69 Resp: 606

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.063 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

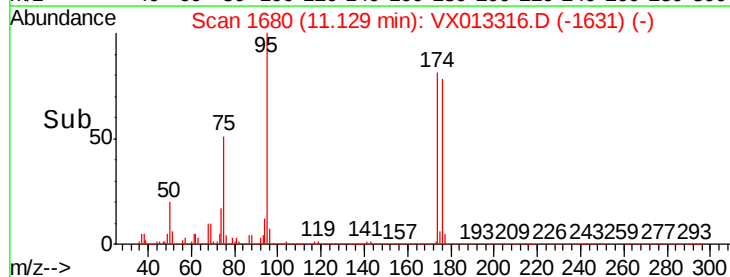
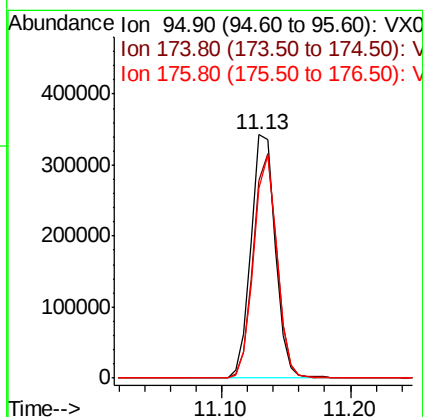
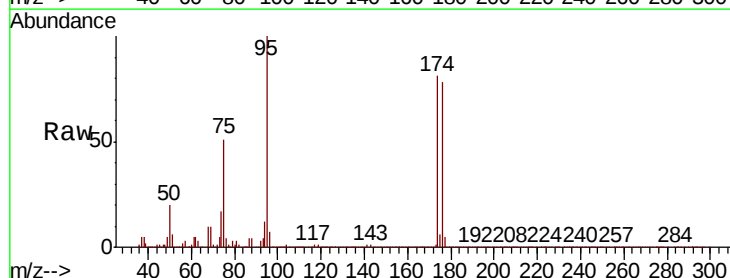
Tgt Ion: 95 Resp: 441142

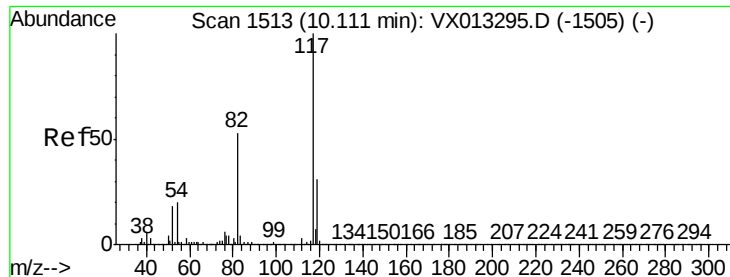
Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.8

176 88.2 0.0 173.0

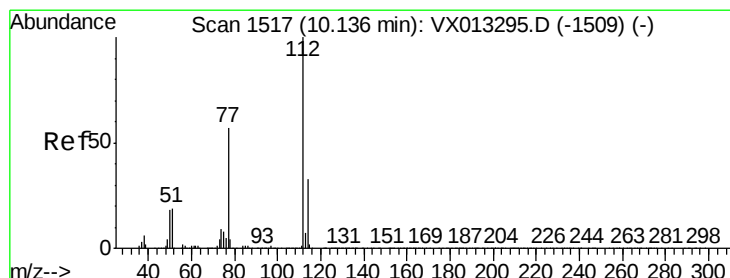
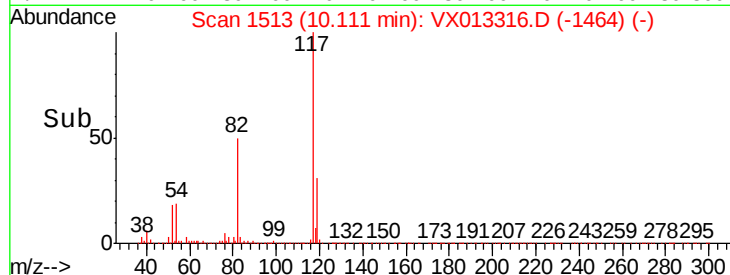
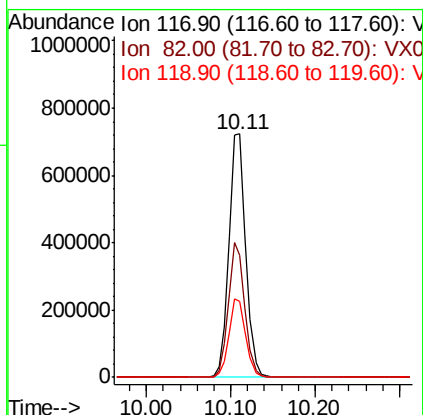
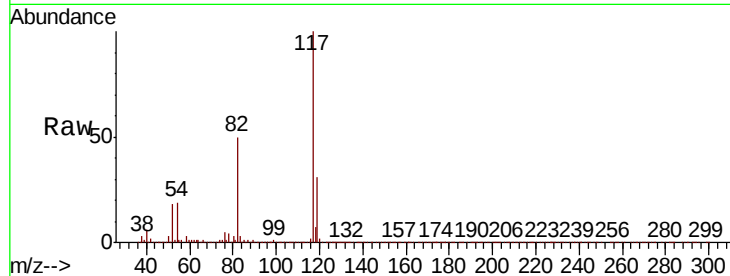




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013316.D
Acq: 01 Nov 2019 17:06

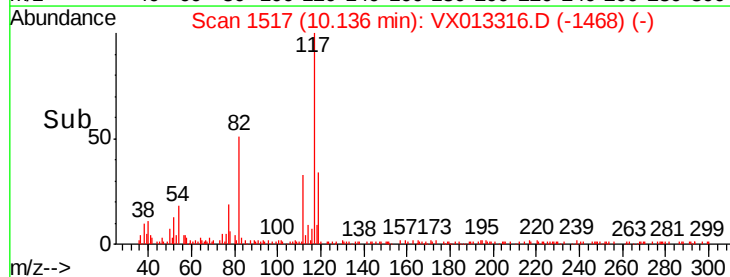
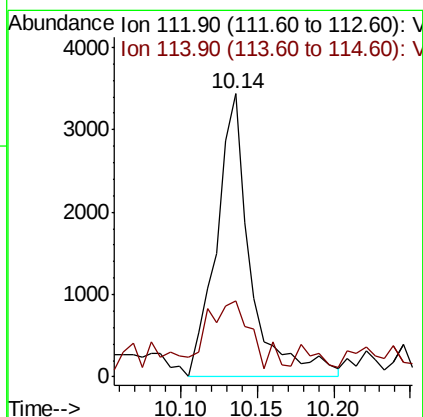
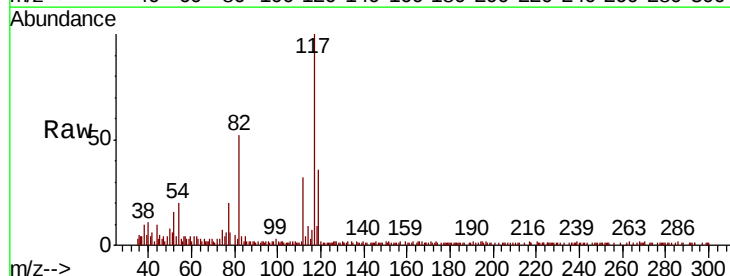
Instrument :
MSVOA_X
ClientSampleId :

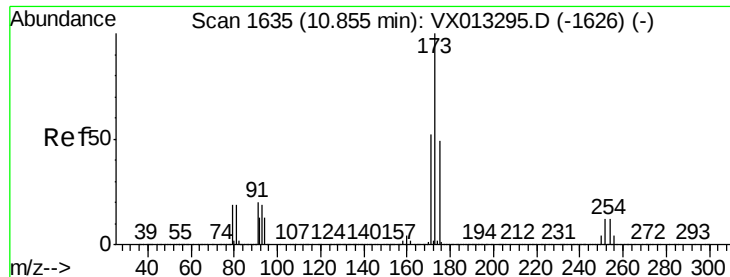
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.6	64.0
119	31.4	24.8	37.2



#65
Chlorobenzene
Concen: 0.262 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013316.D
Acq: 01 Nov 2019 17:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	23.3	26.4	39.6

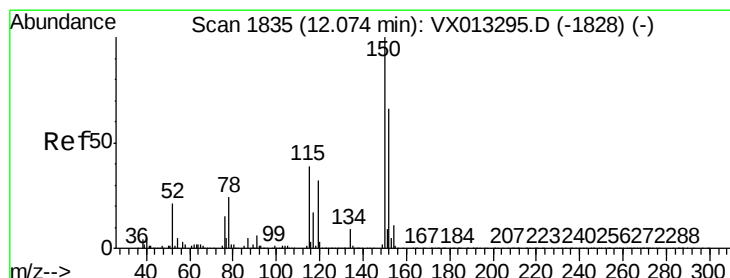
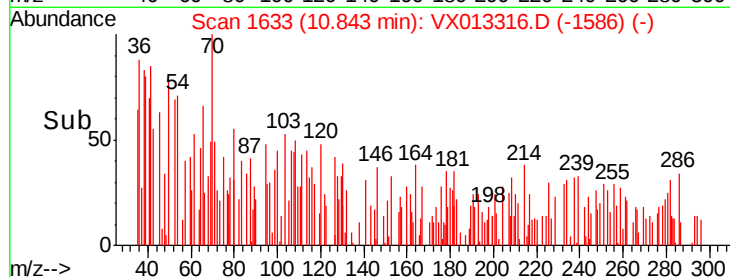
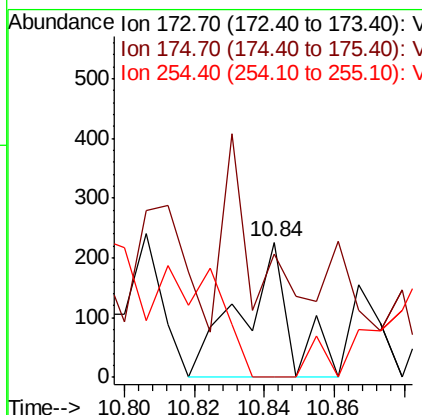
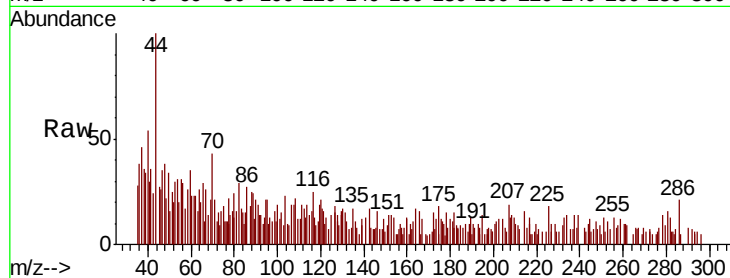




#71
 Bromoform
 Concen: 3.233 ug/l
 RT: 10.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

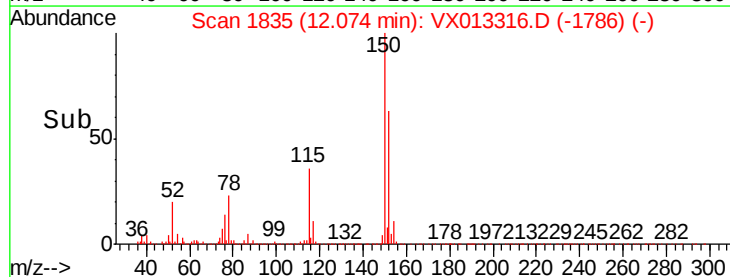
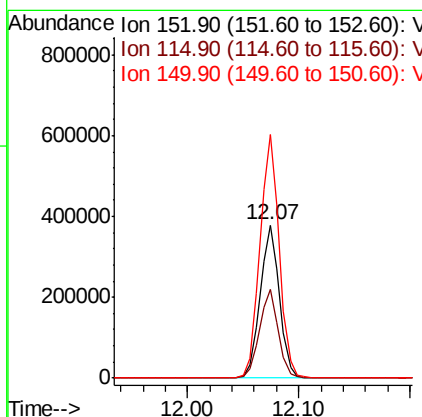
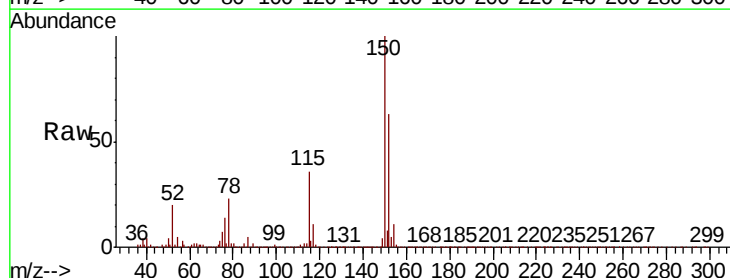
Instrument :
 MSVOA_X
 ClientSampleId :

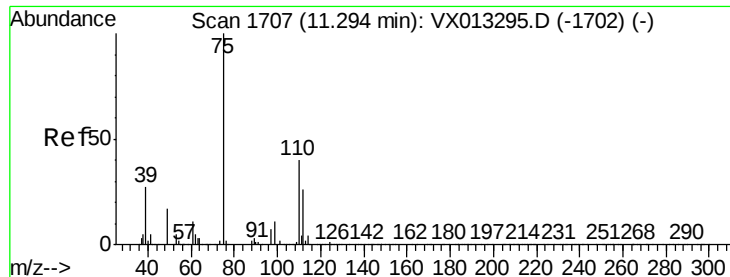
Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.8	74.4#
254	0.0	0.2	0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013316.D
 Acq: 01 Nov 2019 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	39.5	118.3
150	159.0	0.0	344.4





#76

1,2,3-Trichloropropane

Concen: 23.942 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

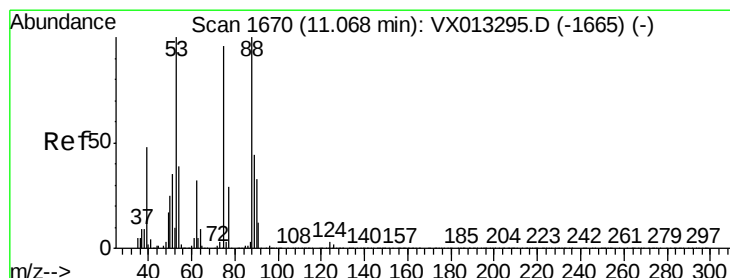
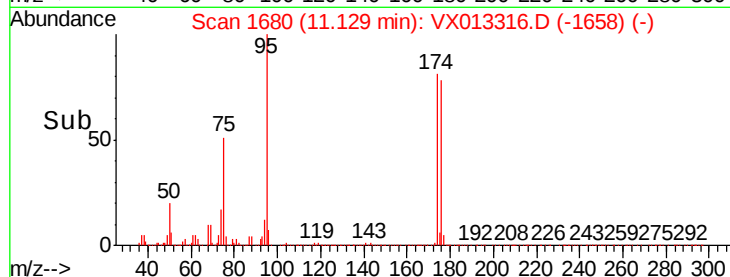
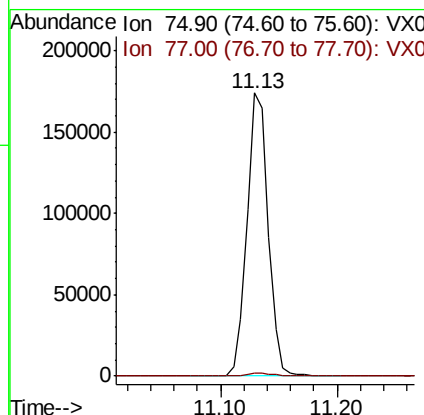
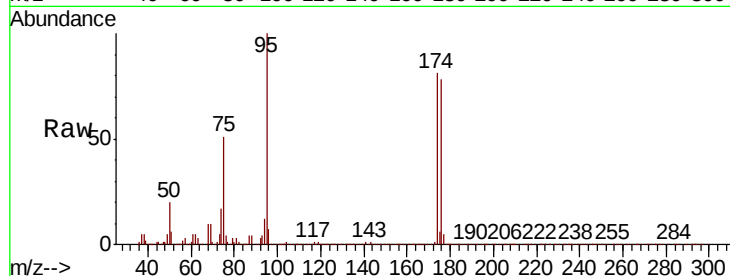
ClientSampleId :

Tot Ion: 75 Resp: 221944

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.625 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

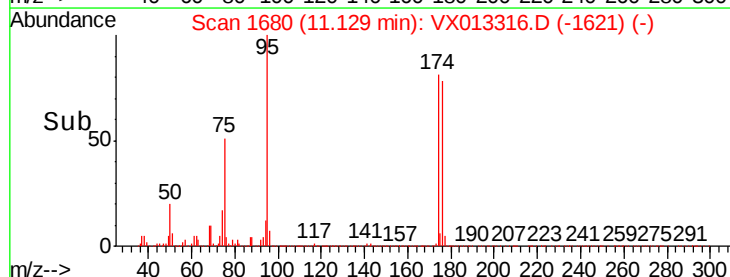
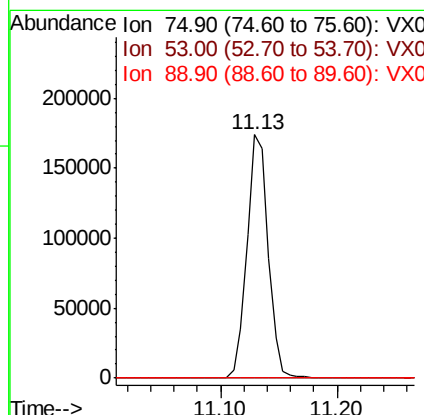
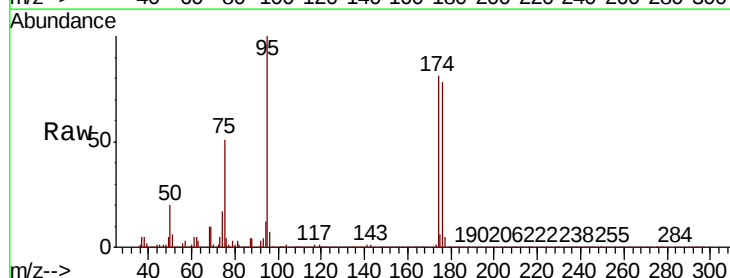
Tgt Ion: 75 Resp: 221944

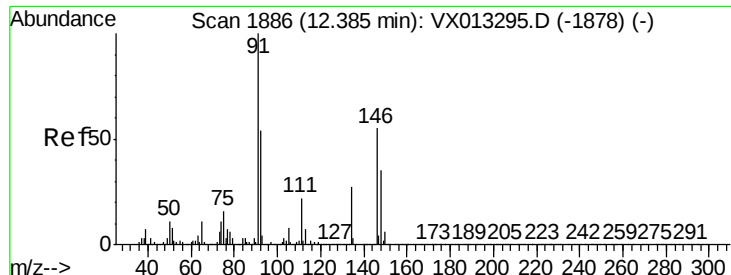
Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.1 36.0 54.0#





#91

1,2-Dichlorobenzene

Concen: 0.716 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX013316.D

Acq: 01 Nov 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

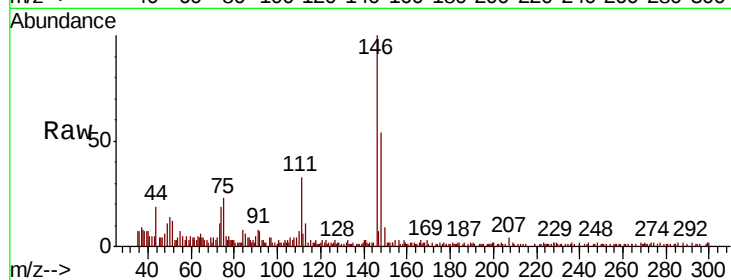
Tot Ion:146 Resp: 10294

Ion Ratio Lower Upper

146 100

111 37.9 20.1 60.2

148 61.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

