

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110619\
 Data File : VX013334.D
 Acq On : 06 Nov 2019 11:02
 Operator : JC/SP
 Sample : VX1106WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 07 02:12:43 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	5.64	168	732292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1130336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	997006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	458333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	410538	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
35) Dibromofluoromethane	5.48	113	340859	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	8.71	98	1329431	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	446786	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

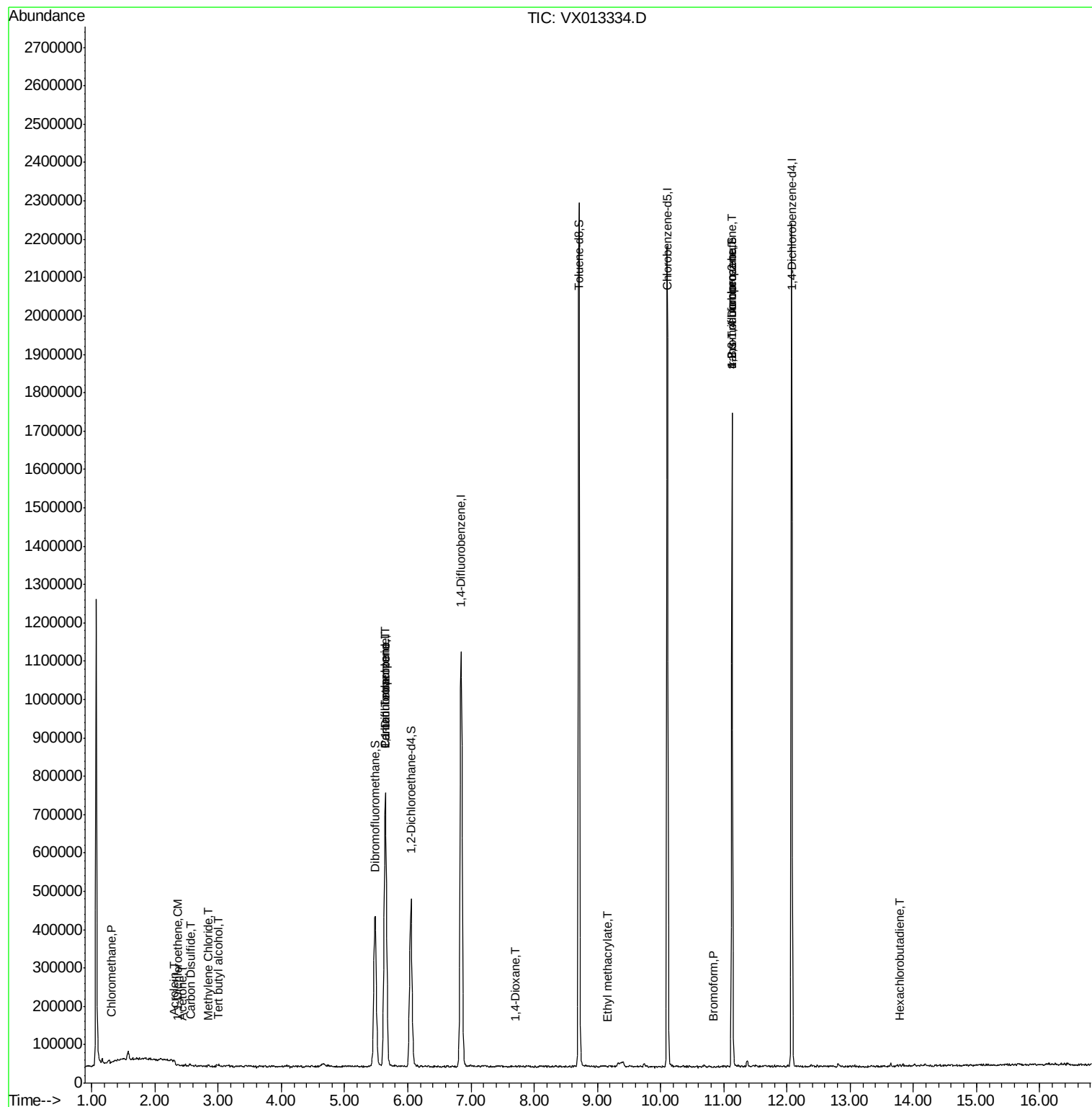
					Qvalue	
3) Chloromethane	1.31	50	2102	0.230	ug/l #	65
6) Chloroethane	1.73	64	1381	Below Cal	#	55
11) Tert butyl alcohol	3.01	59	3960	1.732	ug/l #	65
12) 1,1-Dichloroethene	2.36	96	1357	0.202	ug/l #	49
13) Acrolein	2.29	56	997	0.805	ug/l #	1
16) Acetone	2.44	43	1091	0.252	ug/l #	58
17) Carbon Disulfide	2.56	76	6015	0.335	ug/l	95
20) Methylene Chloride	2.84	84	1800	0.225	ug/l #	40
36) 1,1-Dichloropropene	5.64	75	49925	5.149	ug/l #	51
38) Carbon Tetrachloride	5.64	117	63127	6.657	ug/l #	16
49) 1,4-Dioxane	7.71	88	147	0.689	ug/l #	1
56) Ethyl methacrylate	9.16	69	317	1.586	ug/l #	1
71) Bromoform	10.84	173	391	3.256	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	222311	23.880	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	222311	61.468	ug/l #	9
94) Hexachlorobutadiene	13.78	225	1013	0.206	ug/l	64

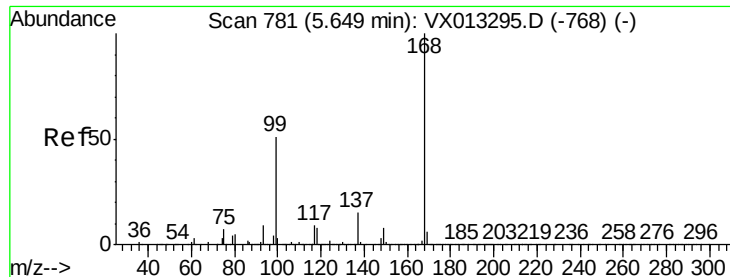
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

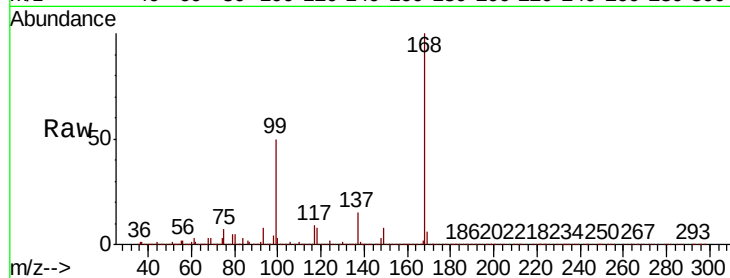
ClientSampleId :

Tot Ion:168 Resp: 732292

Ion Ratio Lower Upper

168 100

99 50.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

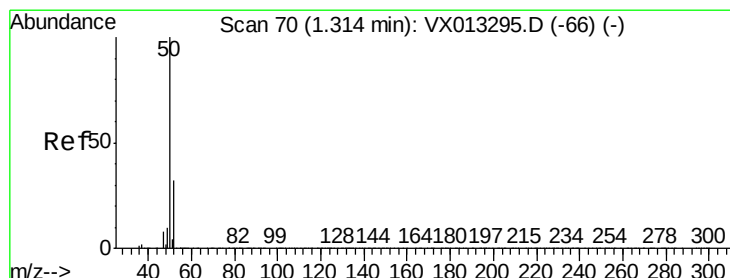
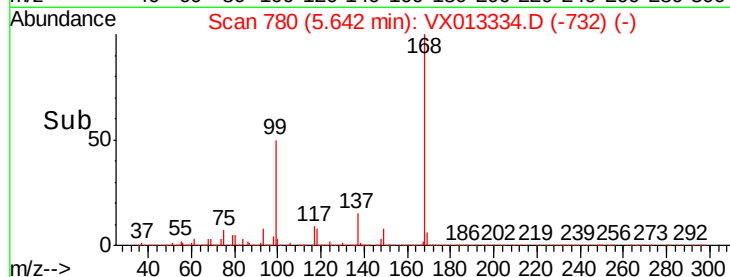
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013334.D

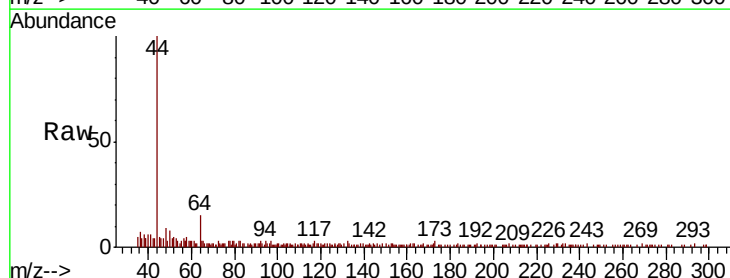
Acq: 06 Nov 2019 11:02

Tgt Ion: 50 Resp: 2102

Ion Ratio Lower Upper

50 100

52 12.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

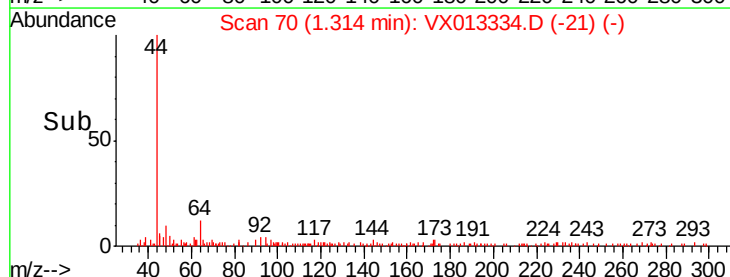
600

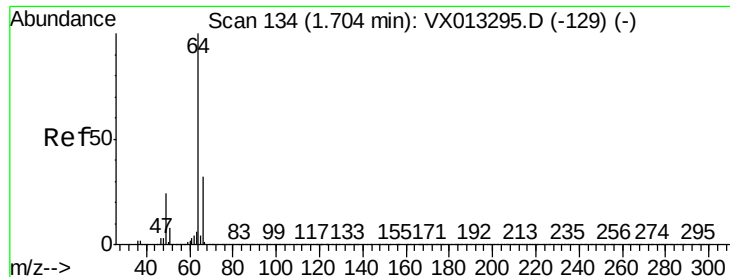
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

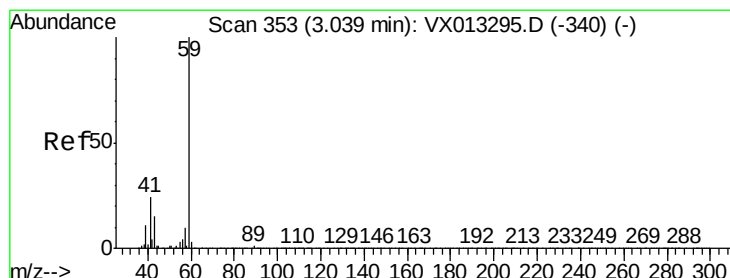
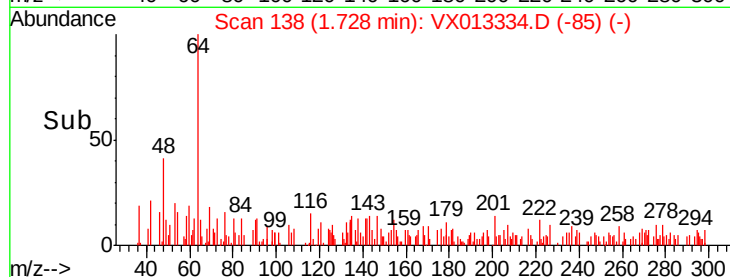
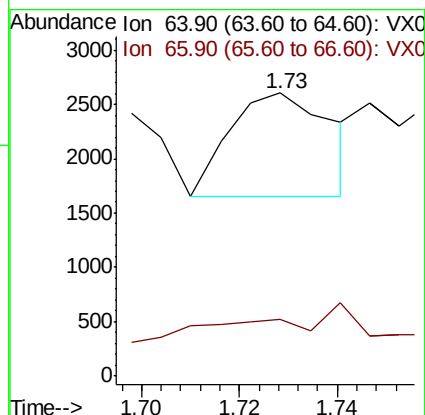
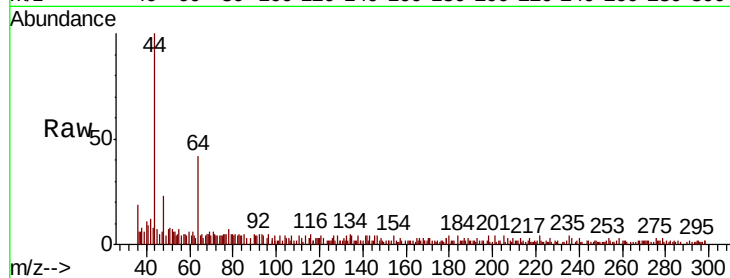
ClientSampleId :

Tot Ion: 64 Resp: 1381

Ion Ratio Lower Upper

64 100

66 6.8 25.6 38.4#



#11

Tert butyl alcohol

Concen: 1.732 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013334.D

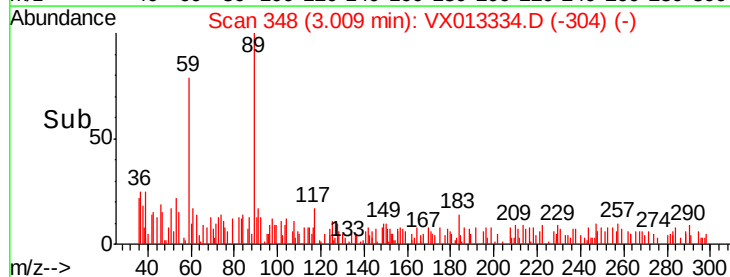
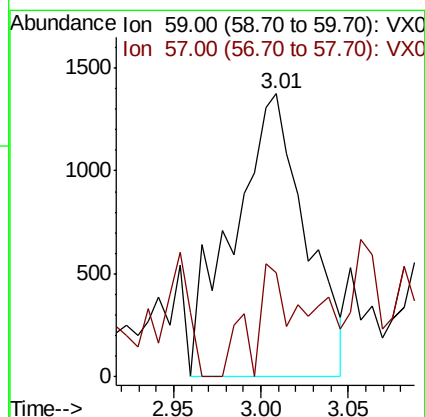
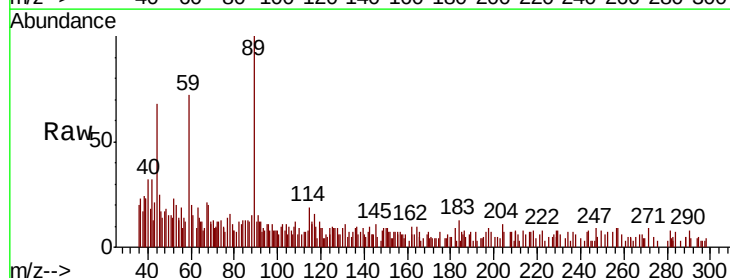
Acq: 06 Nov 2019 11:02

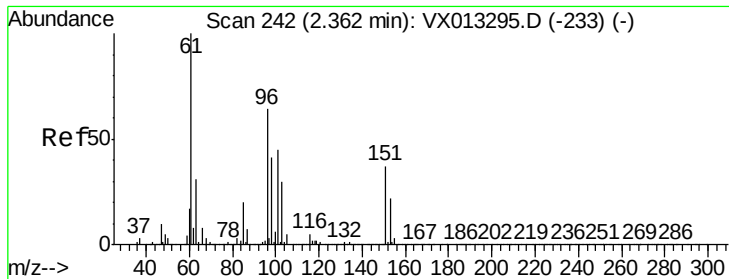
Tgt Ion: 59 Resp: 3960

Ion Ratio Lower Upper

59 100

57 23.1 8.0 12.0#





#12

1,1-Dichloroethene

Concen: 0.202 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

ClientSampled :

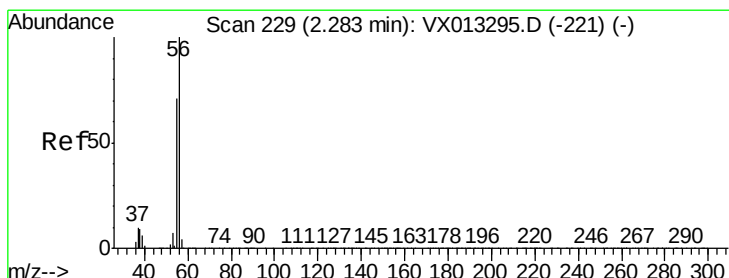
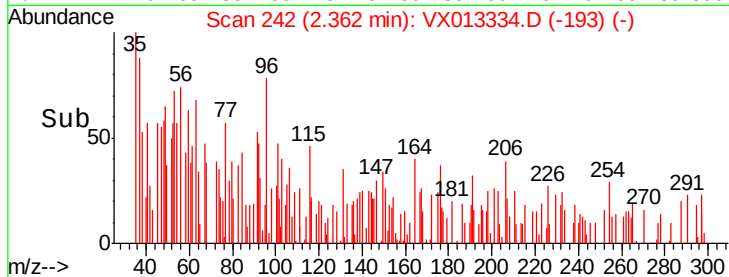
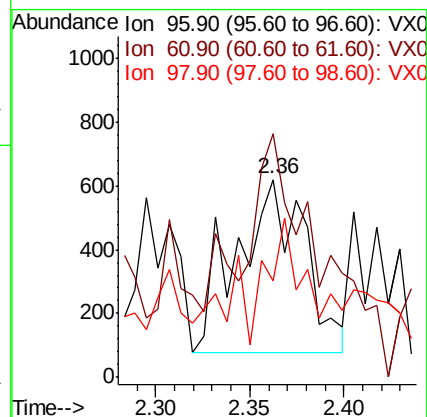
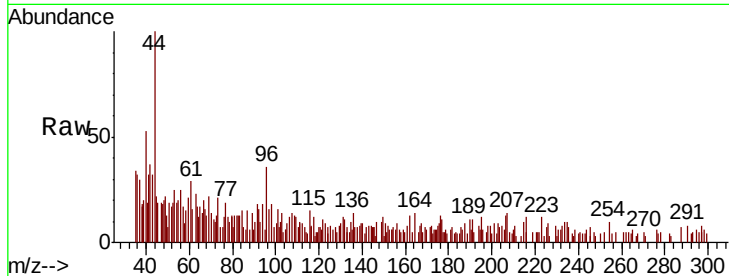
Tot Ion: 96 Resp: 1357

Ion Ratio Lower Upper

96 100

61 93.5 125.0 187.6#

98 17.3 50.7 76.1#



#13

Acrolein

Concen: 0.805 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013334.D

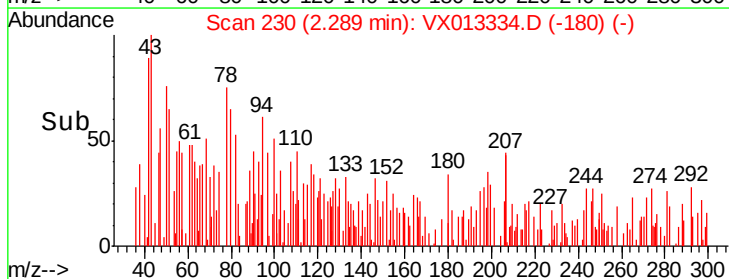
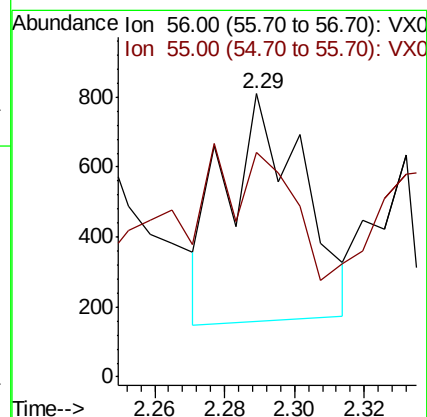
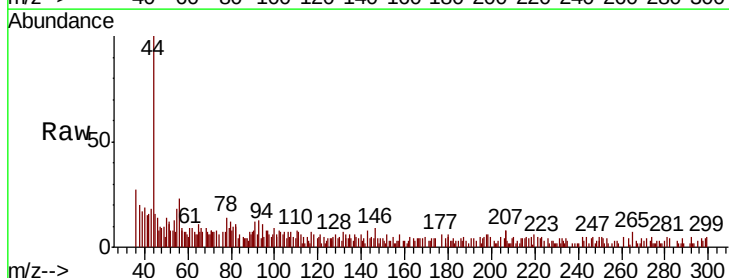
Acq: 06 Nov 2019 11:02

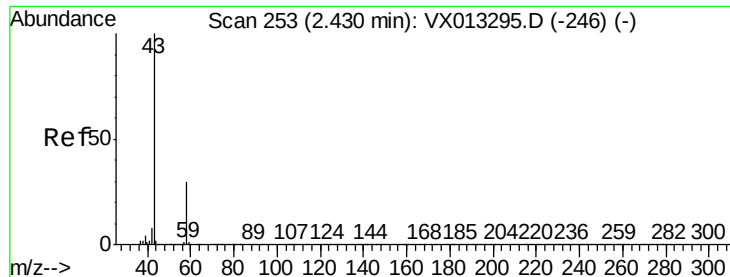
Tgt Ion: 56 Resp: 997

Ion Ratio Lower Upper

56 100

55 189.7 57.4 86.0#





#16

Acetone

Concen: 0.252 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

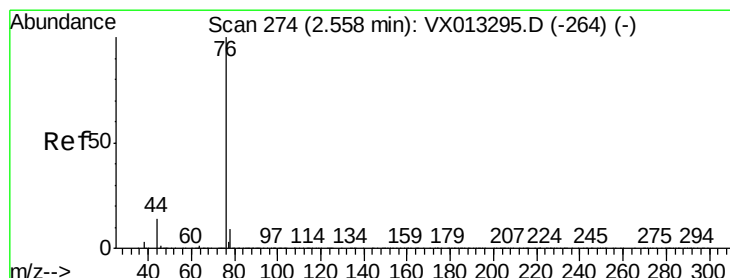
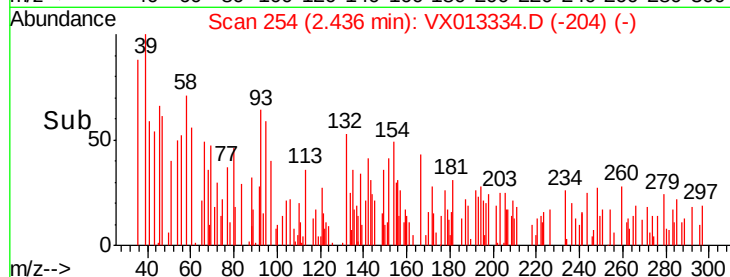
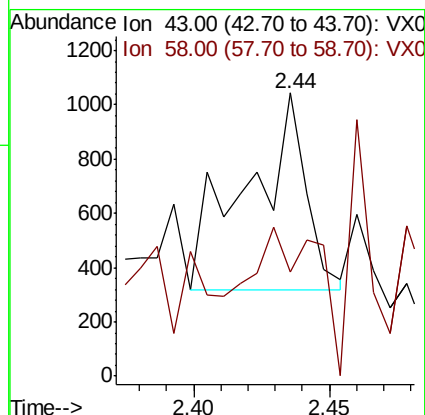
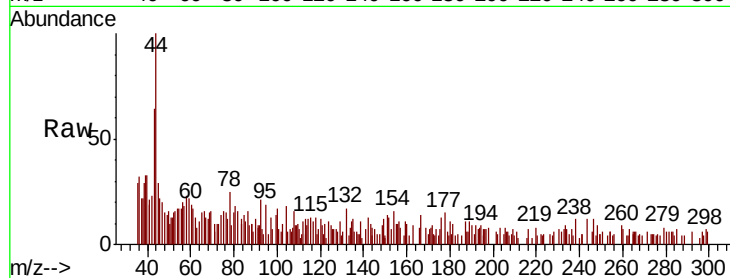
ClientSampled :

Tot Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 53.1 24.3 36.5#



#17

Carbon Disulfide

Concen: 0.335 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013334.D

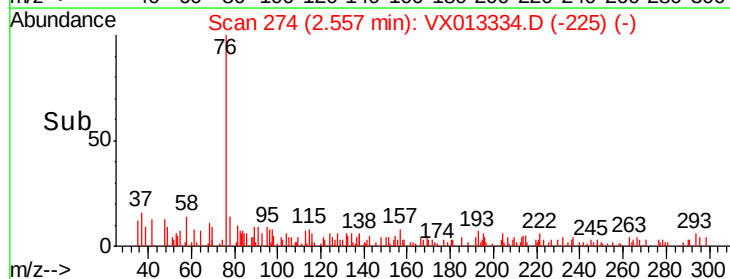
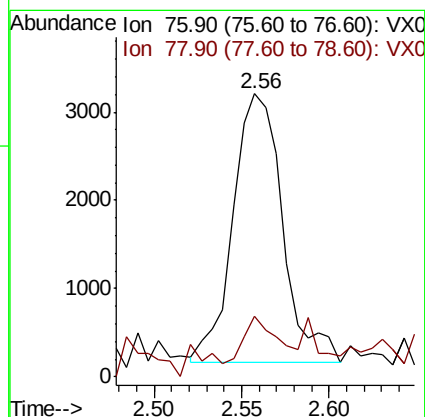
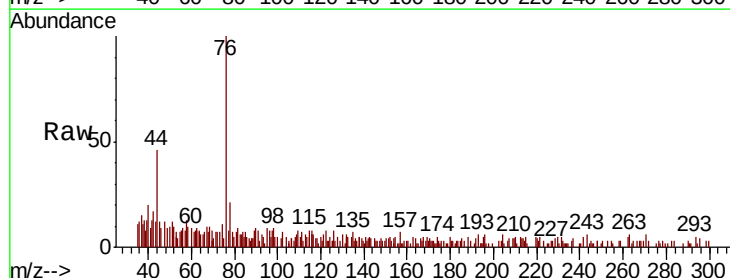
Acq: 06 Nov 2019 11:02

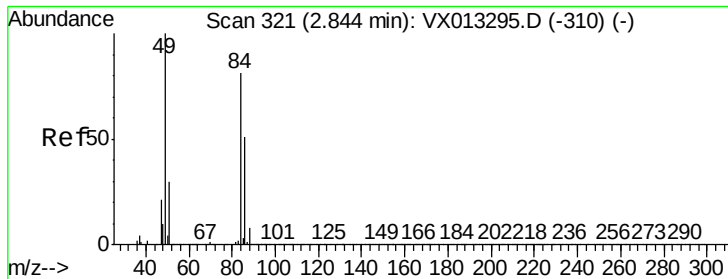
Tgt Ion: 76 Resp: 6015

Ion Ratio Lower Upper

76 100

78 10.5 7.0 10.6

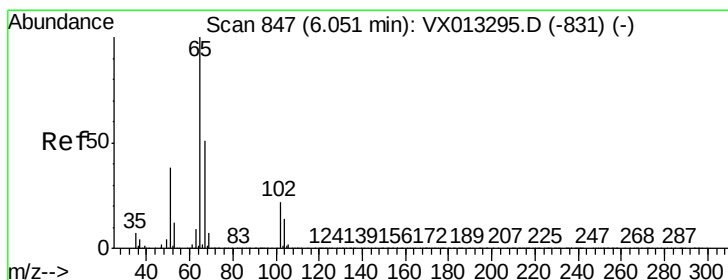
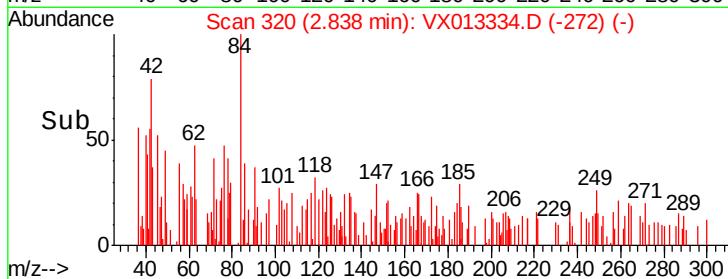
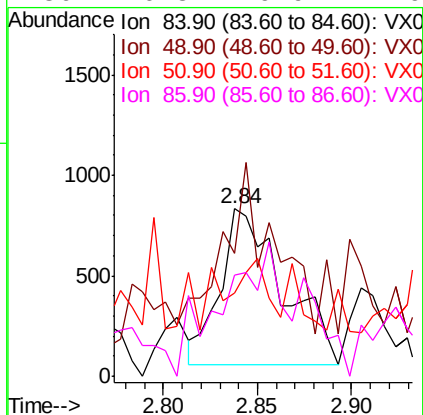
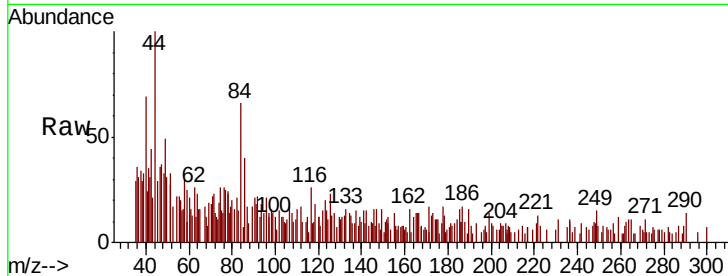




#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

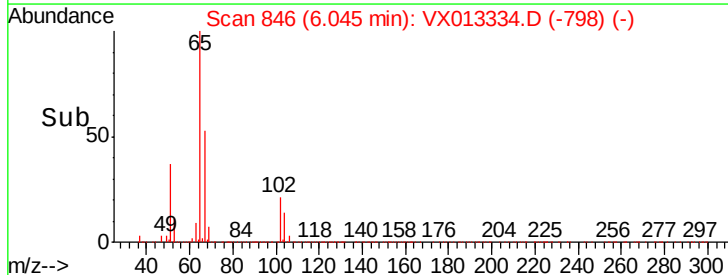
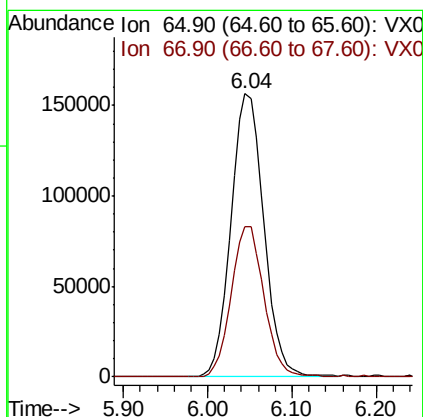
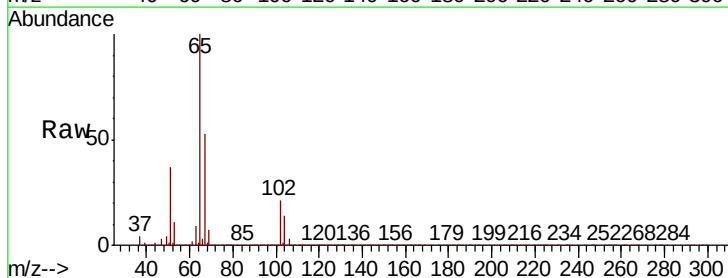
Instrument :
MSVOA_X
ClientSampled :

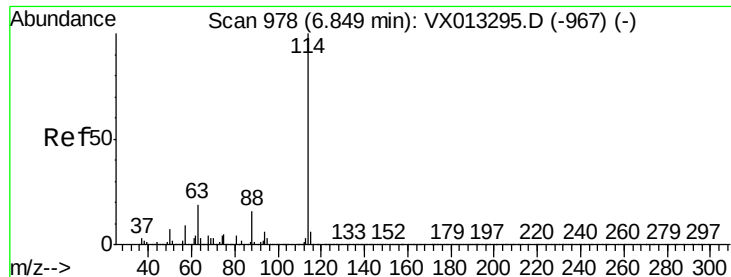
Tot Ion: 84 Resp: 1800
Ion Ratio Lower Upper
84 100
49 55.9 98.2 147.4#
51 0.0 29.9 44.9#
86 16.3 49.9 74.9#



#33
1,2-Dichloroethane-d4
Concen: 47.322 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

Tgt Ion: 65 Resp: 410538
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

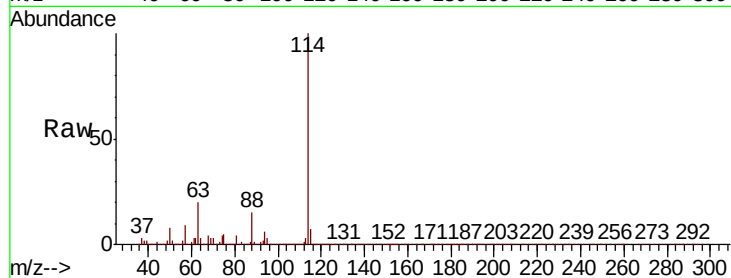
Tot Ion:114 Resp: 1130336

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.4 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

600000

500000

400000

300000

200000

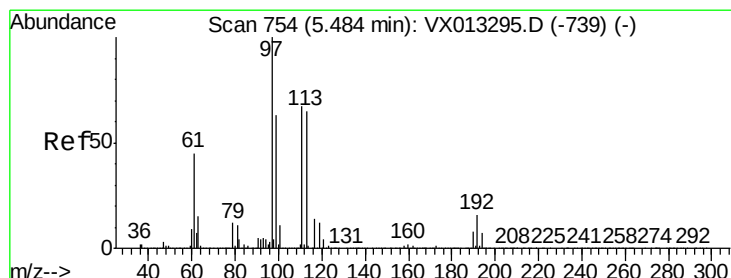
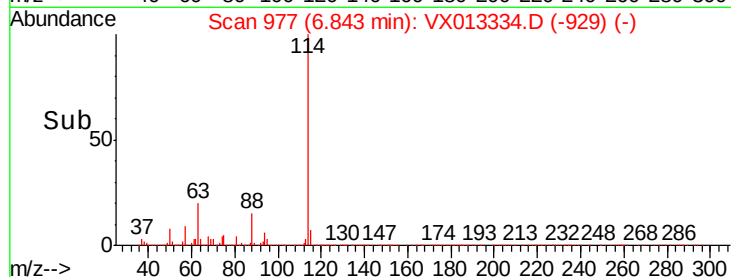
100000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.079 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

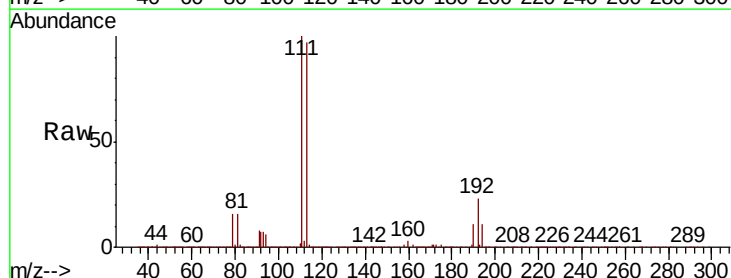
Tgt Ion:113 Resp: 340859

Ion Ratio Lower Upper

113 100

111 104.0 81.9 122.9

192 22.9 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

150000

100000

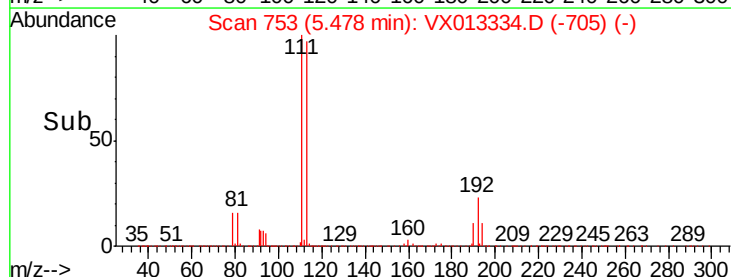
50000

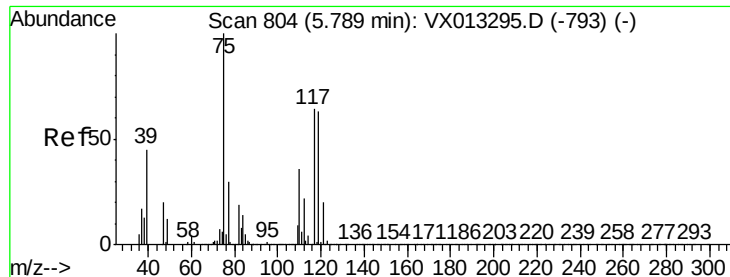
0

5.48

5.30 5.40 5.50 5.60

Time-->

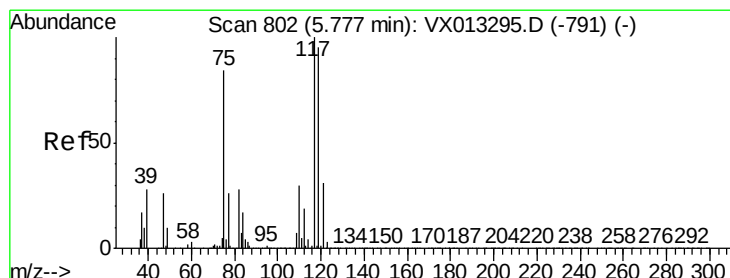
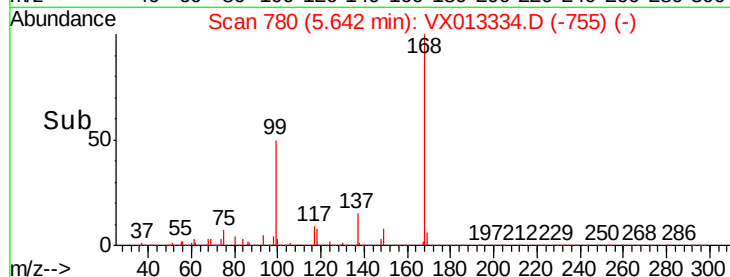
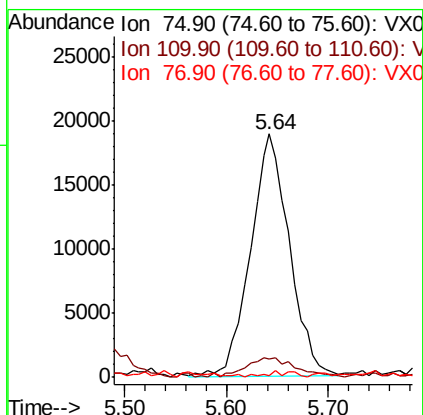
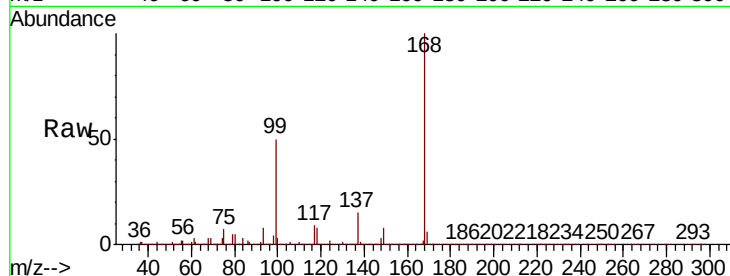




#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013334.D
 Acq: 06 Nov 2019 11:02

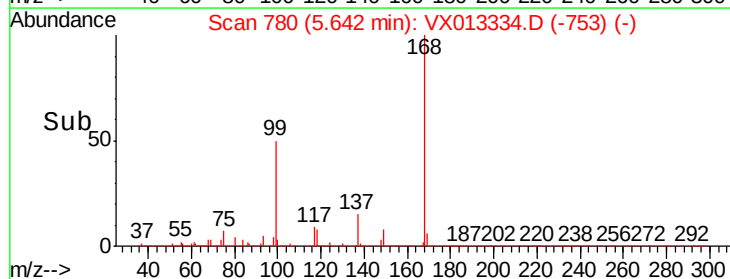
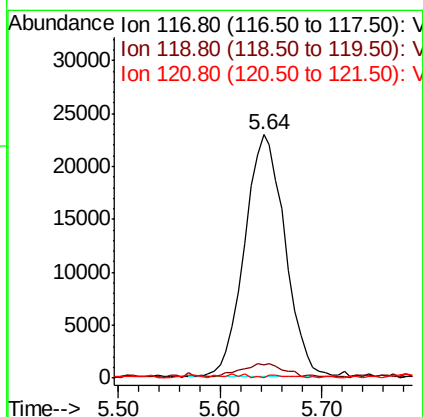
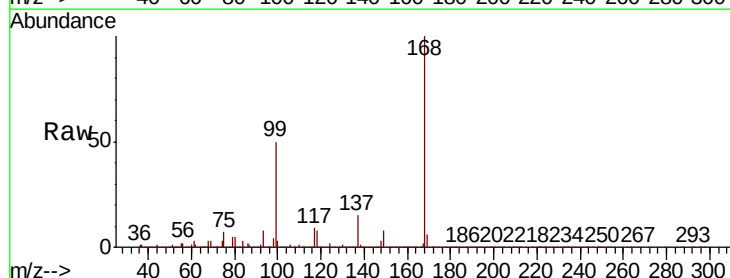
Instrument :
 MSVOA_X
 ClientSampleId :

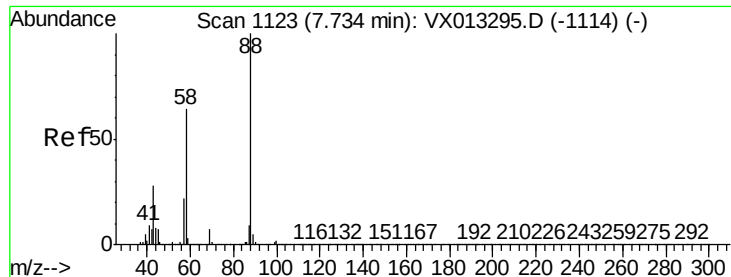
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	1.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.657 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013334.D
 Acq: 06 Nov 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.9	24.6	37.0#





#49

1,4-Dioxane

Concen: 0.689 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

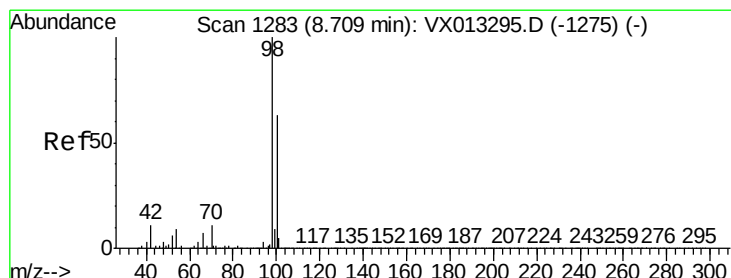
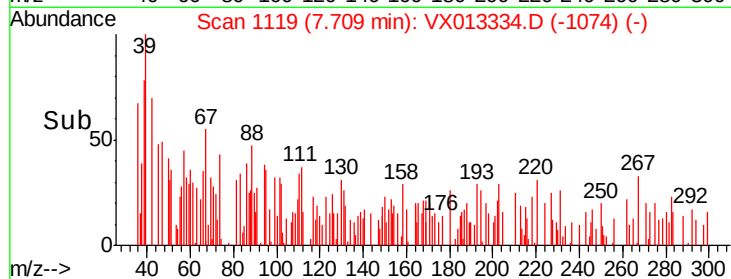
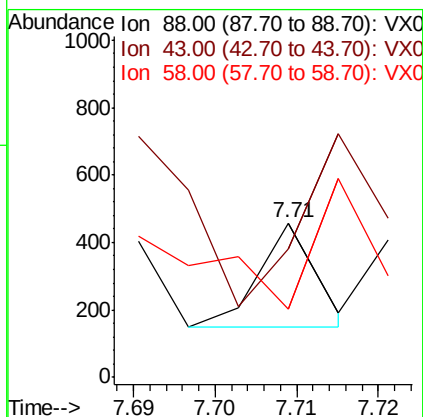
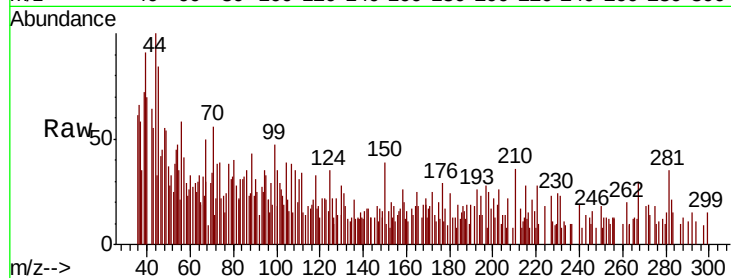
Tot Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 476.9 26.6 39.8#

58 256.5 55.0 82.6#



#50

Toluene-d8

Concen: 49.741 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013334.D

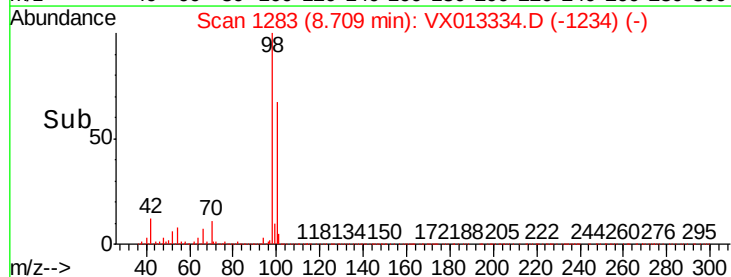
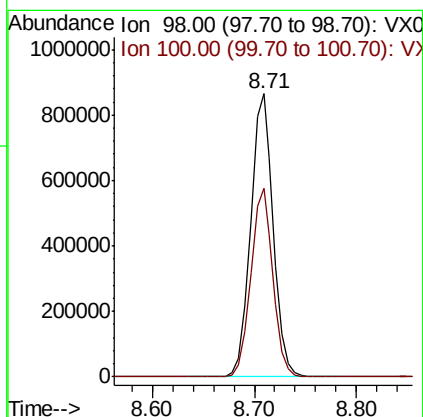
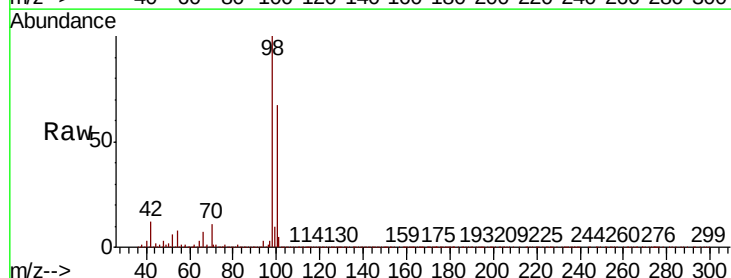
Acq: 06 Nov 2019 11:02

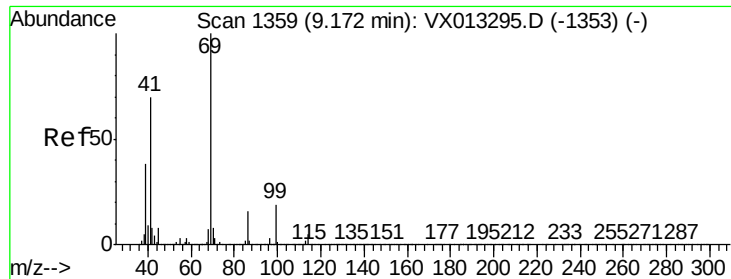
Tgt Ion: 98 Resp: 1329431

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2

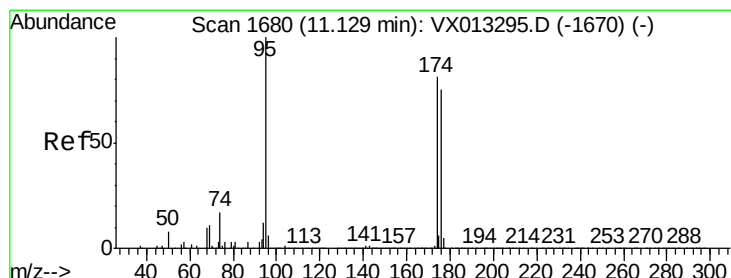
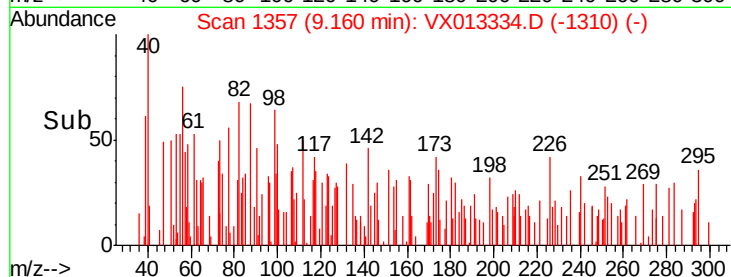
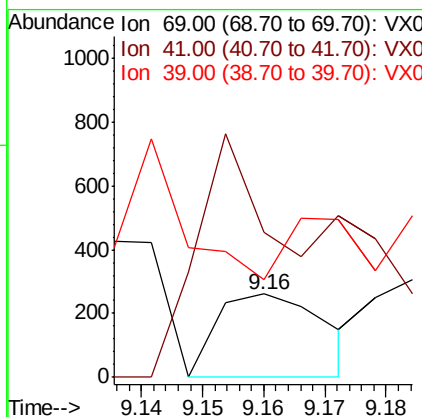
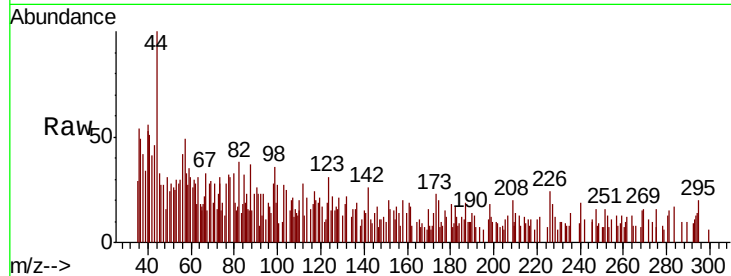




#56
Ethyl methacrylate
Concen: 1.586 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

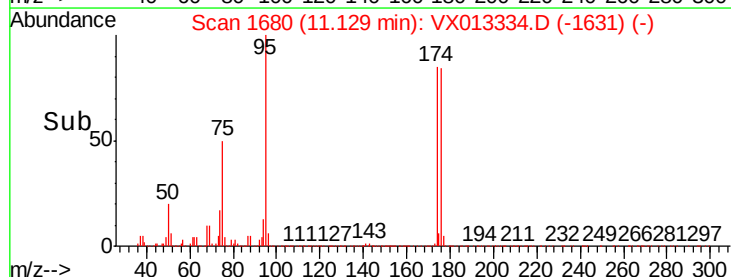
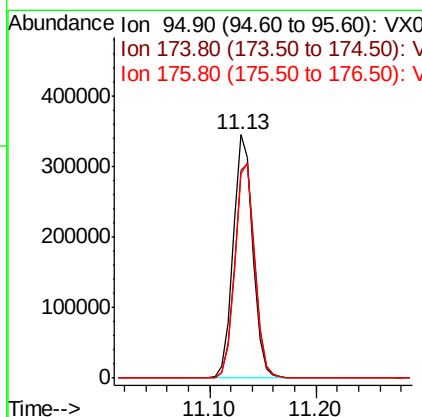
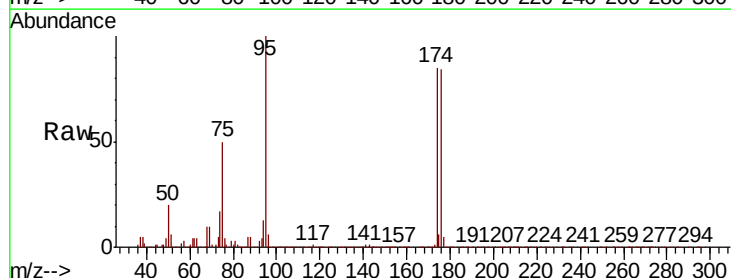
Instrument :
MSVOA_X
ClientSampled :

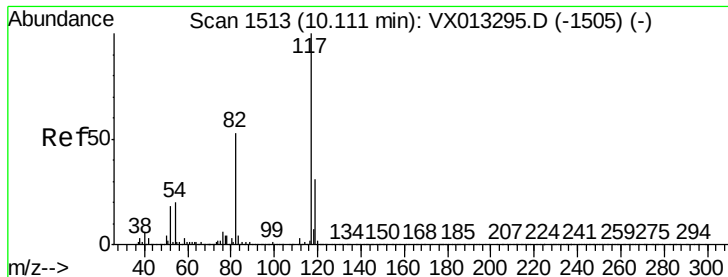
Tot Ion: 69 Resp: 317
Ion Ratio Lower Upper
69 100
41 222.4 56.2 84.2#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 46.318 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

Tgt Ion: 95 Resp: 446786
Ion Ratio Lower Upper
95 100
174 90.3 0.0 179.8
176 88.0 0.0 173.0

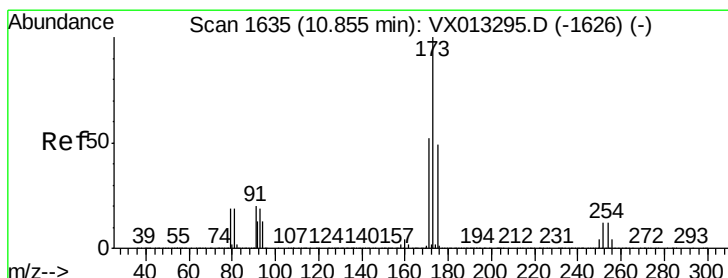
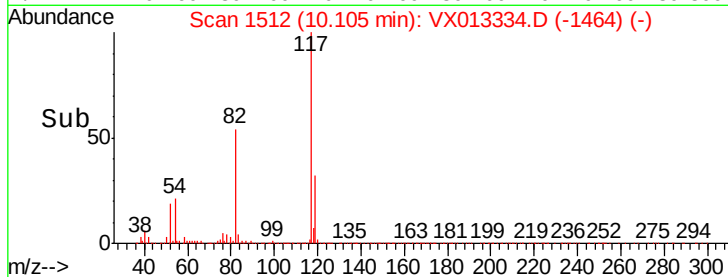
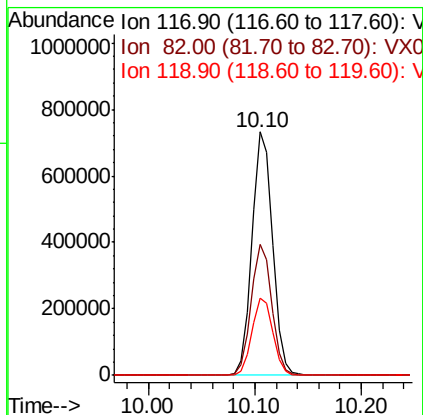
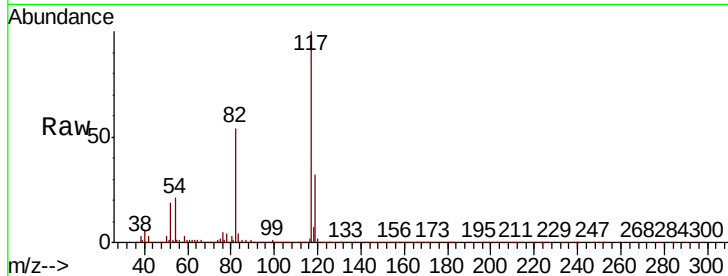




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

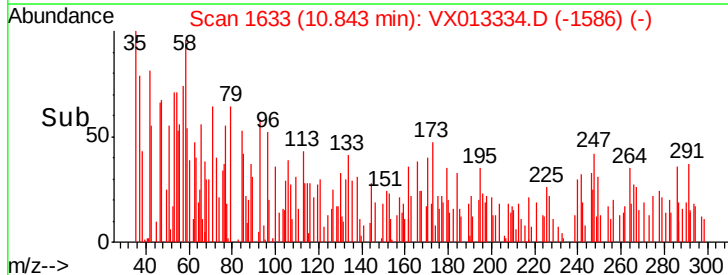
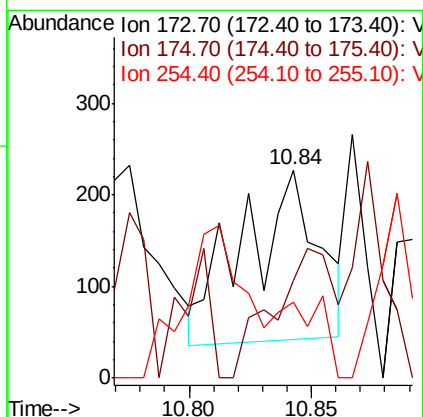
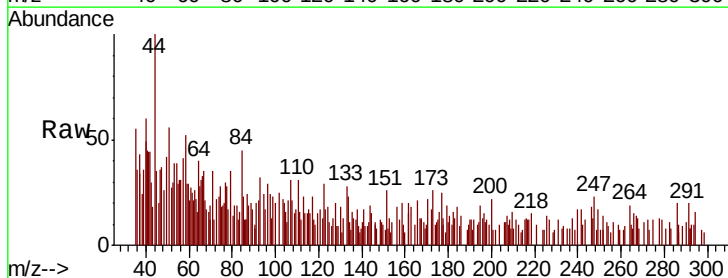
Instrument :
MSVOA_X
ClientSampleId :

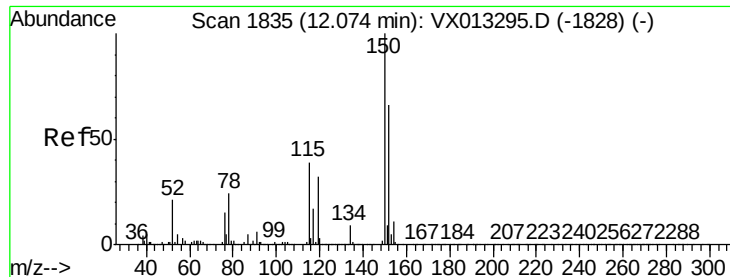
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	64.0
119	31.6	24.8	37.2



#71
Bromoform
Concen: 3.256 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

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



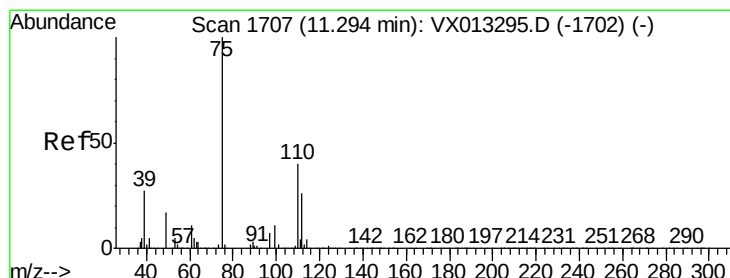
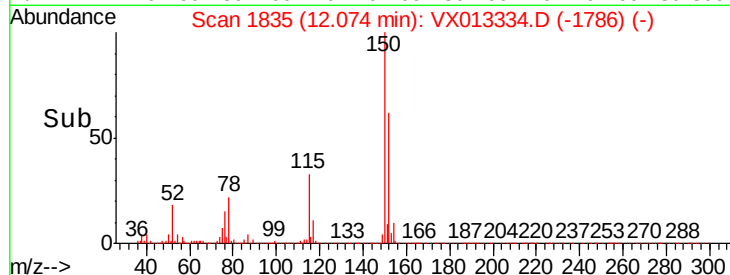
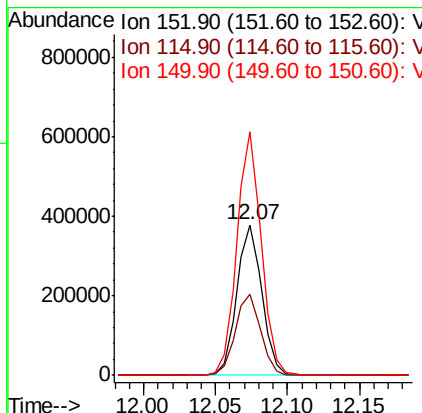
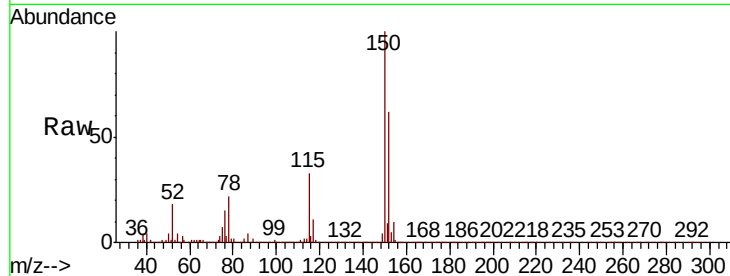


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

Instrument :
MSVOA_X
ClientSampleId :

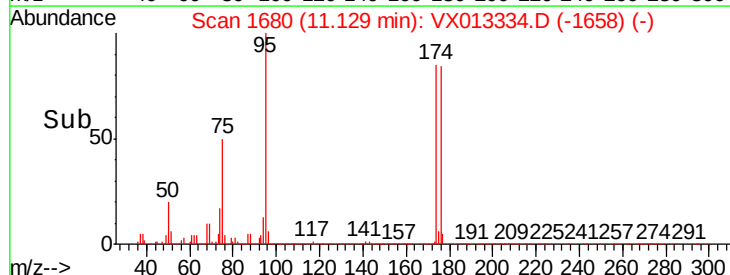
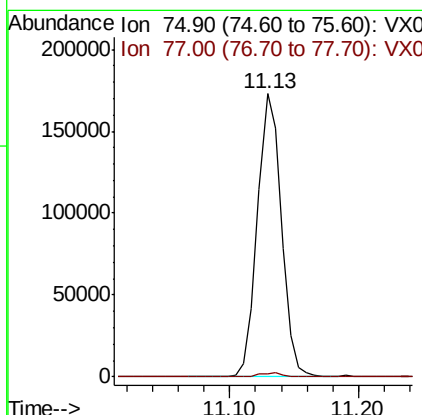
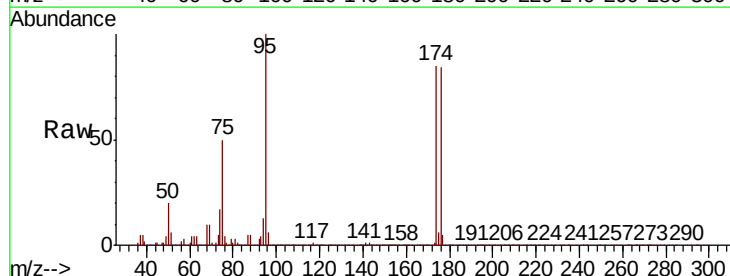
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.5	118.3
150	158.0	0.0	344.4

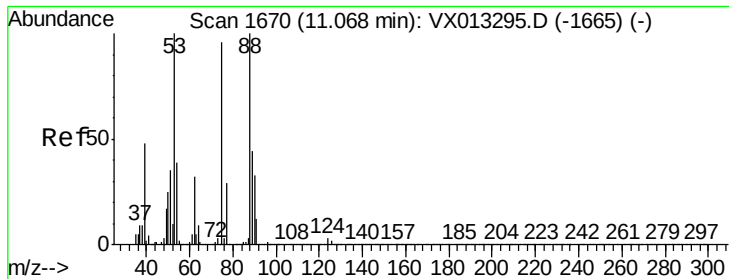


#76

1,2,3-Trichloropropane
Concen: 23.880 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013334.D
Acq: 06 Nov 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.3	66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 61.468 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

Instrument :

MSVOA_X

ClientSampleId :

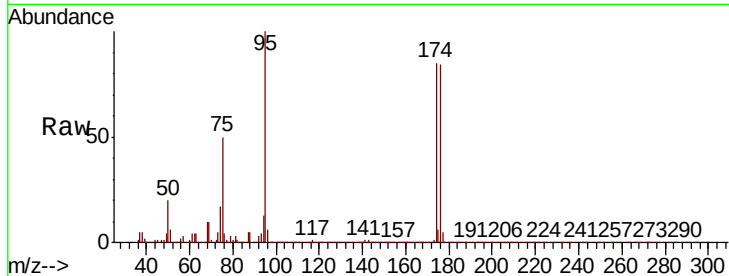
Tot Ion: 75 Resp: 222311

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

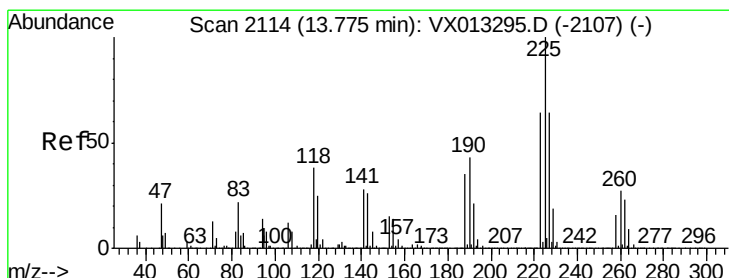
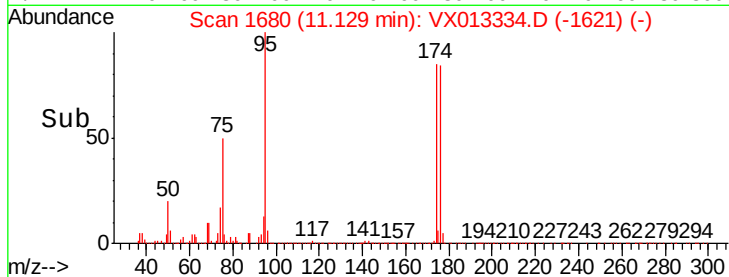
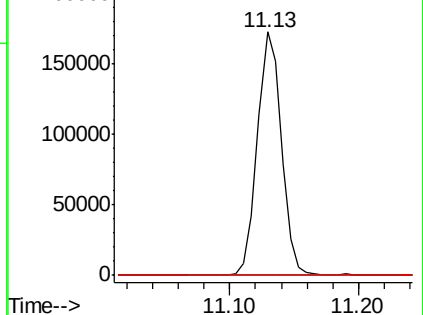
89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013334.D

Acq: 06 Nov 2019 11:02

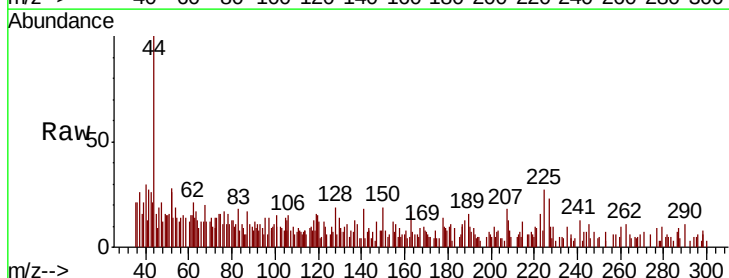
Tgt Ion: 225 Resp: 1013

Ion Ratio Lower Upper

225 100

223 34.9 31.9 95.7

227 36.8 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

