

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007613.D
 Acq On : 19 Feb 2019 15:10
 Operator : JC/SP
 Sample : K1528-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Feb 20 04:04:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	450045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	692586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	667756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	333375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	248232	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	5.51	113	226634	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.71	98	835532	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	305037	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

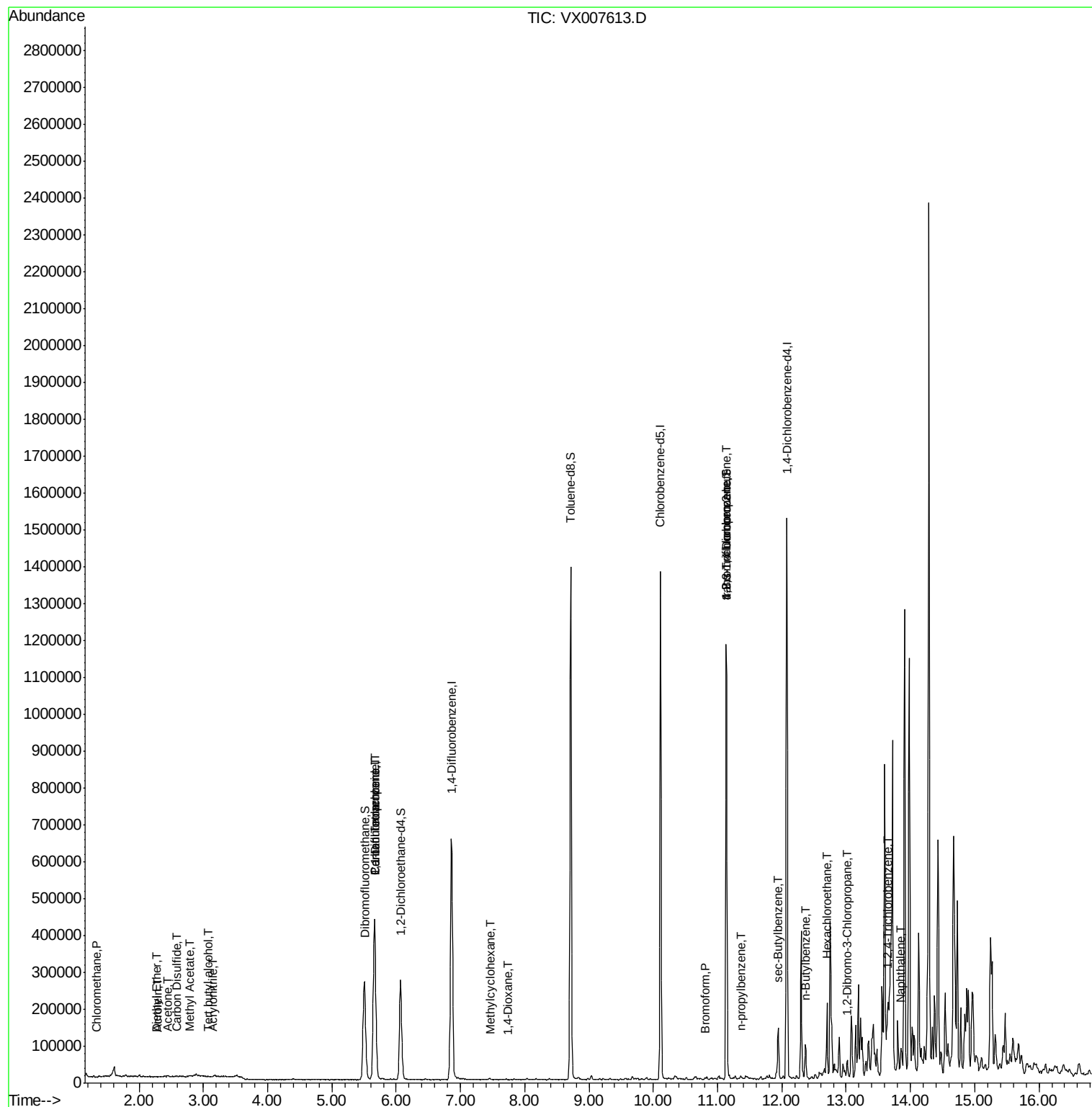
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1214	0.239	ug/l	95
5) Bromomethane	1.64	94	138	Below Cal	#	60
8) Diethyl Ether	2.26	74	636	0.217	ug/l	66
11) Tert butyl alcohol	3.07	59	266	0.269	ug/l #	1
13) Acrolein	2.29	56	103	0.222	ug/l #	1
15) Acrylonitrile	3.15	53	665	0.272	ug/l #	32
16) Acetone	2.44	43	1932	0.883	ug/l	99
17) Carbon Disulfide	2.58	76	1069	2.212	ug/l #	13
18) Methyl Acetate	2.79	43	3027	1.118	ug/l #	72
20) Methylene Chloride	2.85	84	249	Below Cal	#	51
36) 1,1-Dichloropropene	5.67	75	29236	4.705	ug/l #	49
38) Carbon Tetrachloride	5.67	117	39568	6.563	ug/l #	18
39) Methylcyclohexane	7.46	83	1704	0.227	ug/l #	76
49) 1,4-Dioxane	7.73	88	221	8.869	ug/l #	14
71) Bromoform	10.80	173	102	4.051	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	144780	22.327	ug/l #	32
78) n-propylbenzene	11.36	91	5116	0.206	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.13	75	144780	67.403	ug/l #	9
85) sec-Butylbenzene	11.94	105	73510	3.310	ug/l	95
89) n-Butylbenzene	12.37	91	7428	0.431	ug/l #	1
90) Hexachloroethane	12.70	117	64879	21.623	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.01	75	292	0.203	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	1624	0.211	ug/l #	1
95) Naphthalene	13.85	128	5705	0.254	ug/l #	1

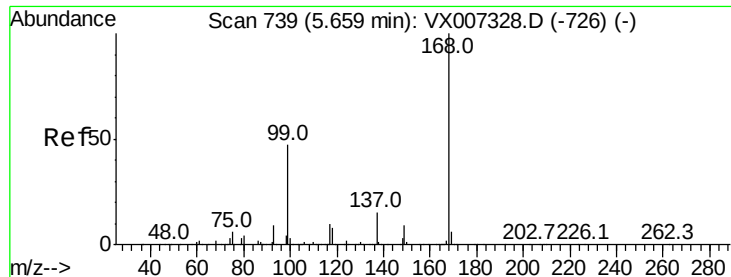
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\
Data File : VX007613.D
Acq On : 19 Feb 2019 15:10
Operator : JC/SP
Sample : K1528-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: Feb 20 04:04:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

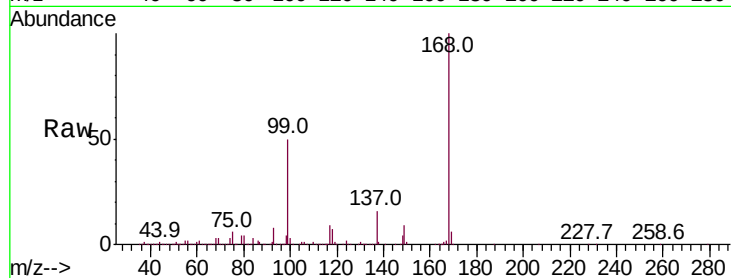
MW-4

Tot Ion:168 Resp: 450045

Ion Ratio Lower Upper

168 100

99 50.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

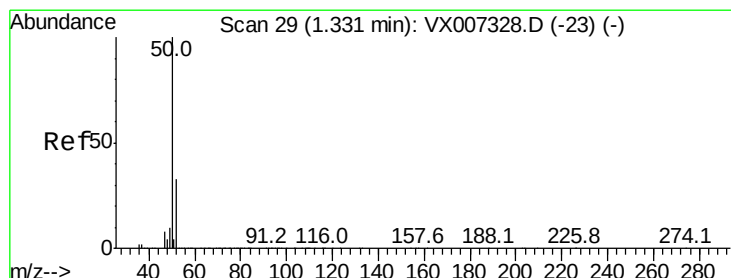
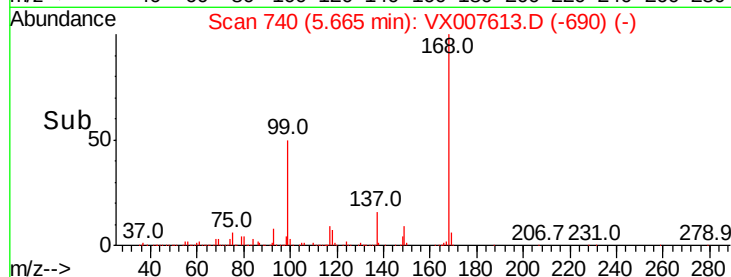
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007613.D

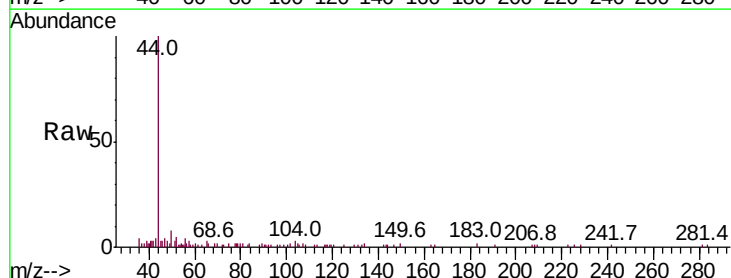
Acq: 19 Feb 2019 15:10

Tgt Ion: 50 Resp: 1214

Ion Ratio Lower Upper

50 100

52 30.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

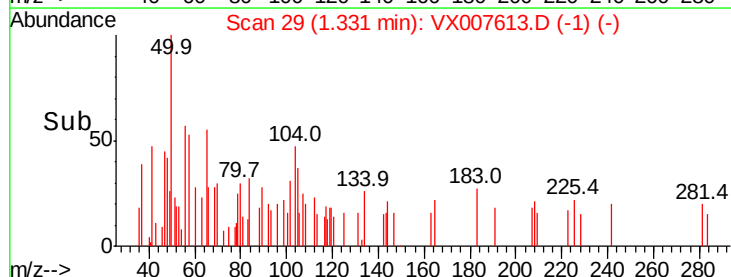
300

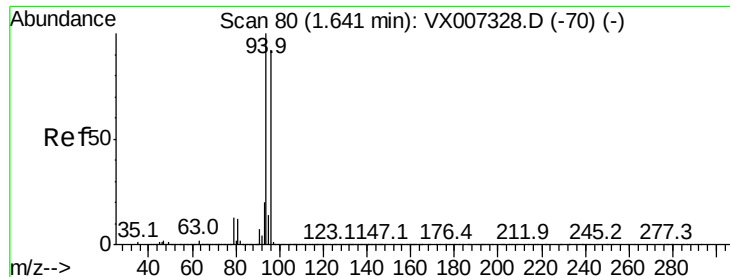
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

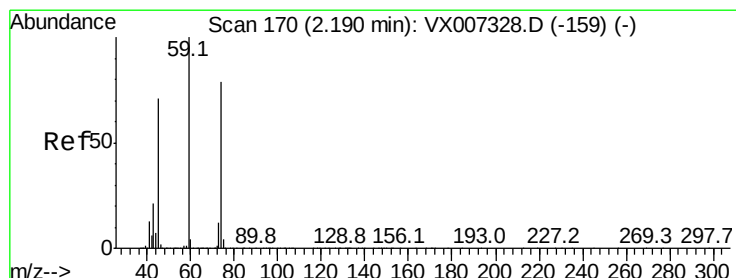
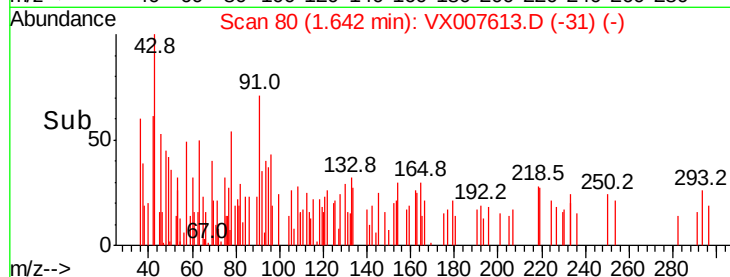
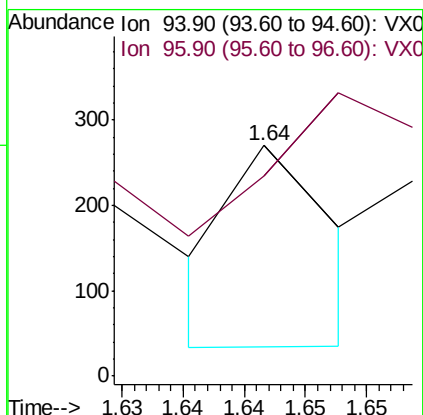
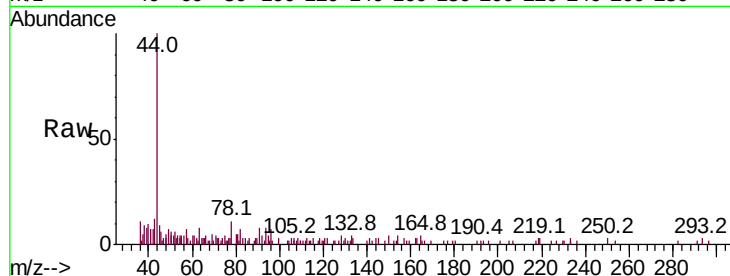
MW-4

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

94 100

96 54.6 73.9 110.9#



#8

Diethyl Ether

Concen: 0.217 ug/l

RT: 2.26 min Scan# 182

Delta R.T. 0.07 min

Lab File: VX007613.D

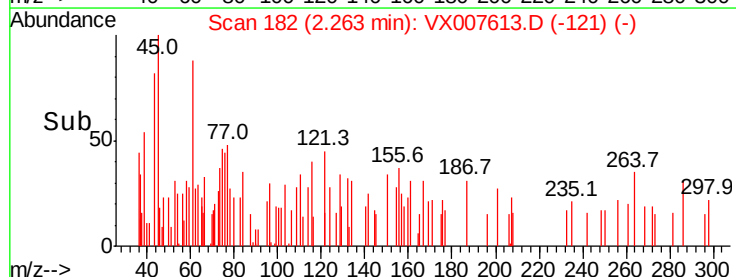
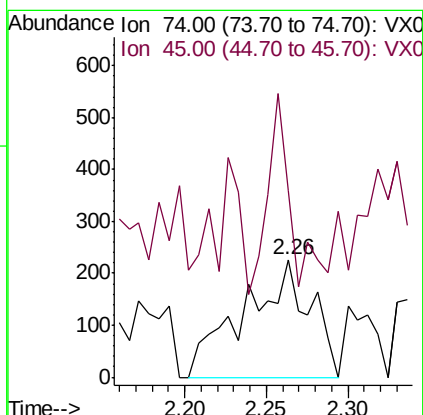
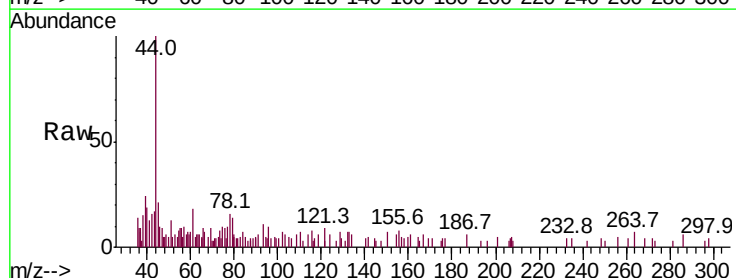
Acq: 19 Feb 2019 15:10

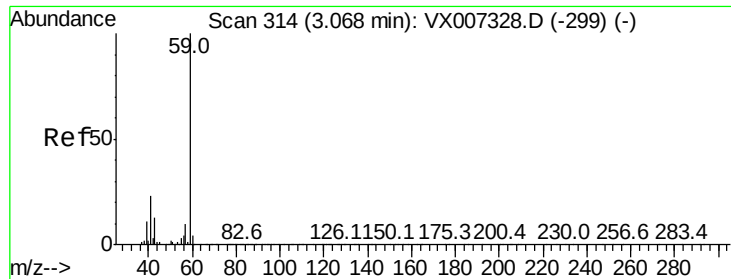
Tgt Ion: 74 Resp: 636

Ion Ratio Lower Upper

74 100

45 59.3 45.7 137.1

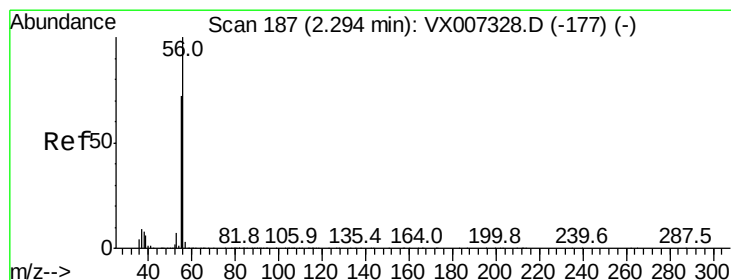
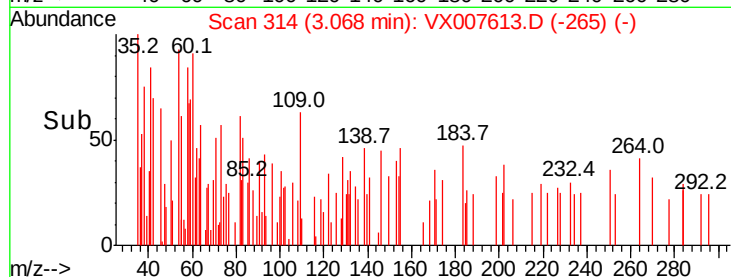
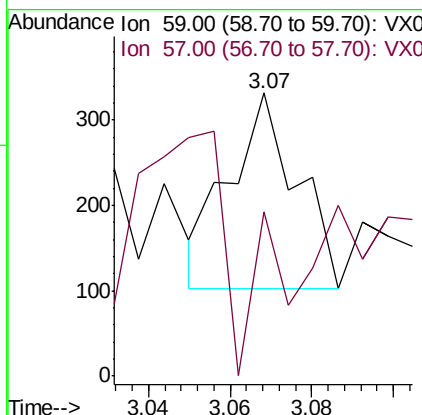
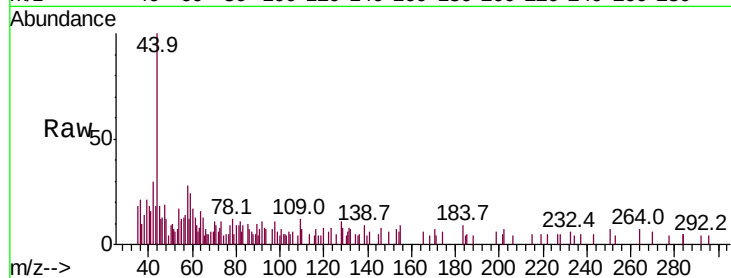




#11
Tert butyl alcohol
Concen: 0.269 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

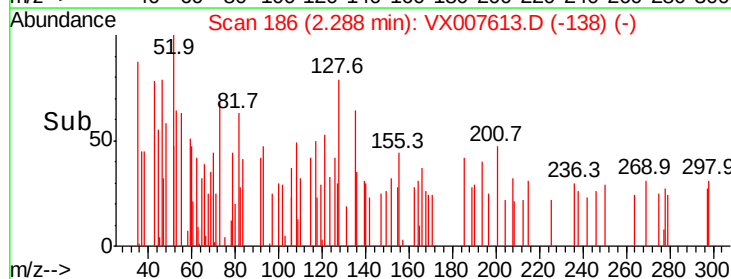
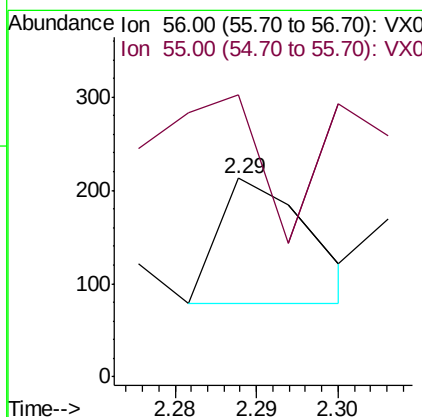
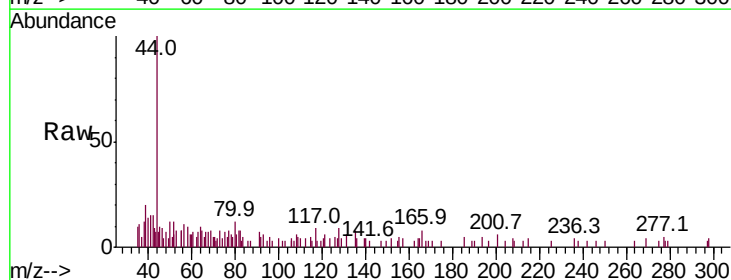
Instrument :
MSVOA_X
ClientSampled :
MW-4

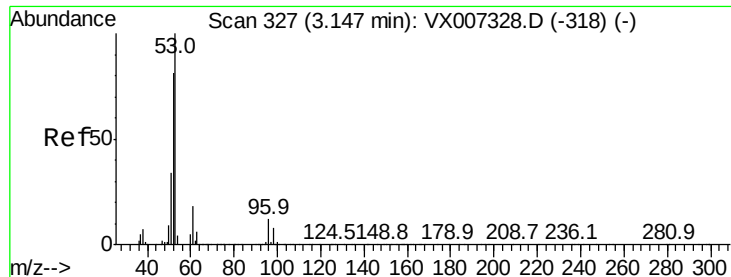
Tot Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 145.9 8.1 12.1#



#13
Acrolein
Concen: 0.222 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 345.6 56.9 85.3#

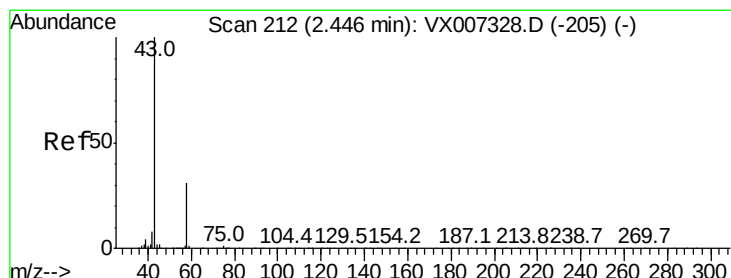
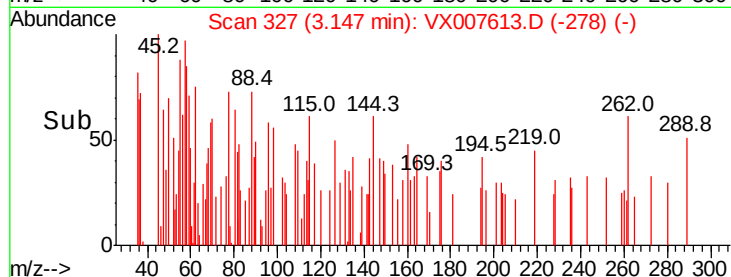
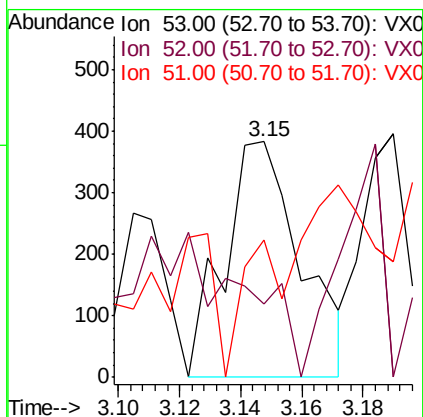
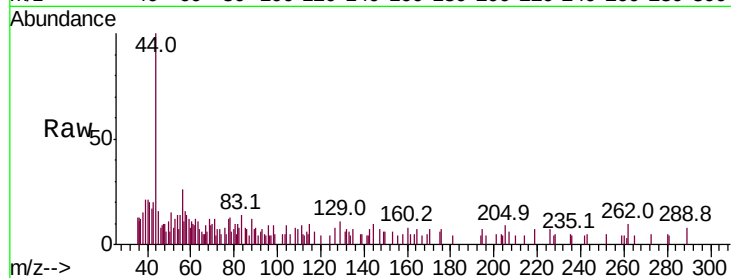




#15
Acrylonitrile
Concen: 0.272 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

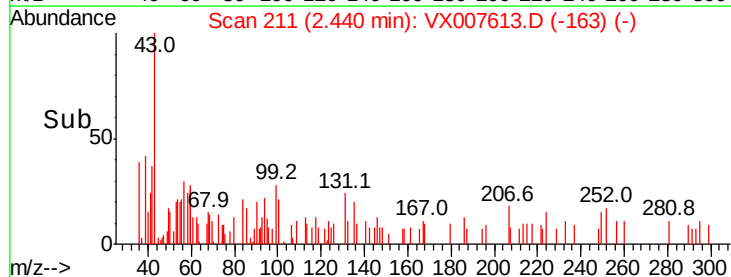
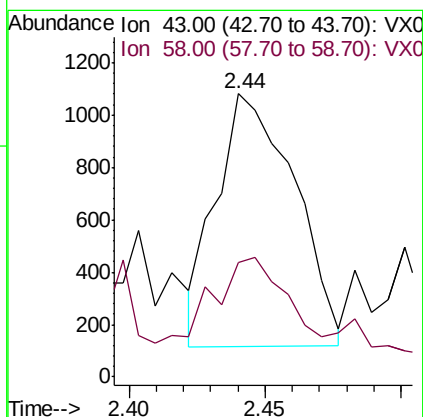
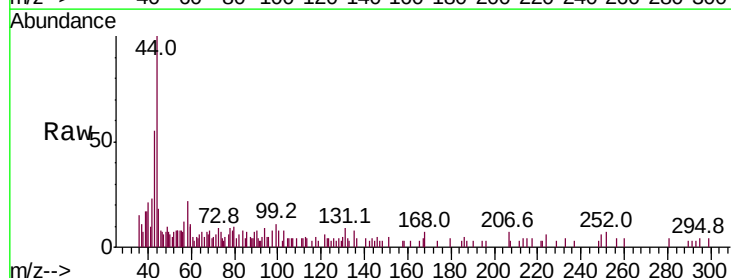
Instrument :
MSVOA_X
ClientSampled :
MW-4

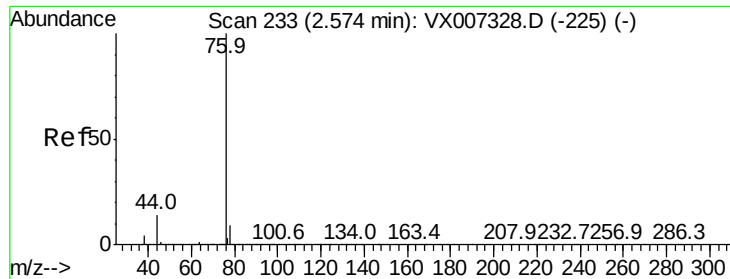
Tot Ion: 53 Resp: 665
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 29.2 28.4 42.6



#16
Acetone
Concen: 0.883 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
58 31.6 24.9 37.3

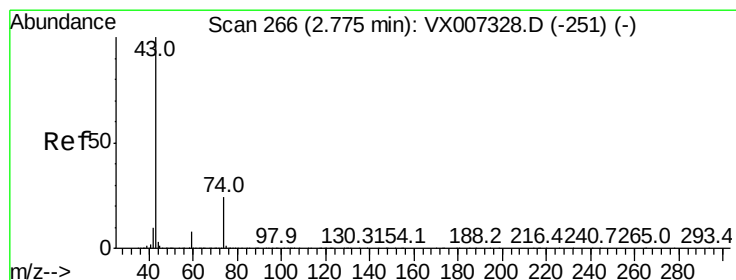
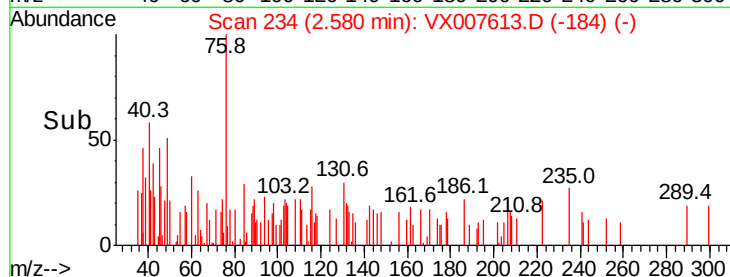
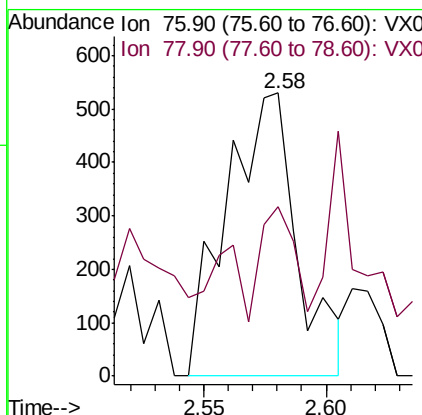
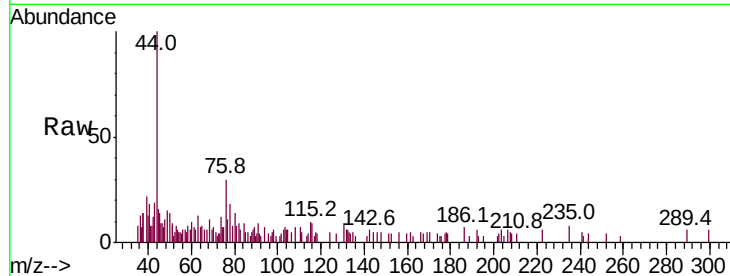




#17
Carbon Disulfide
Concen: 2.212 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

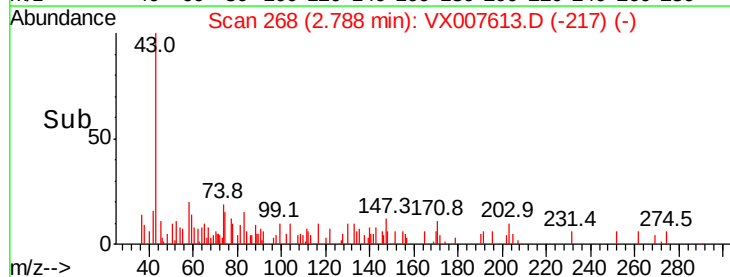
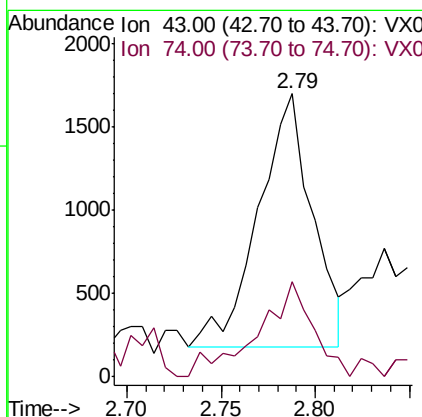
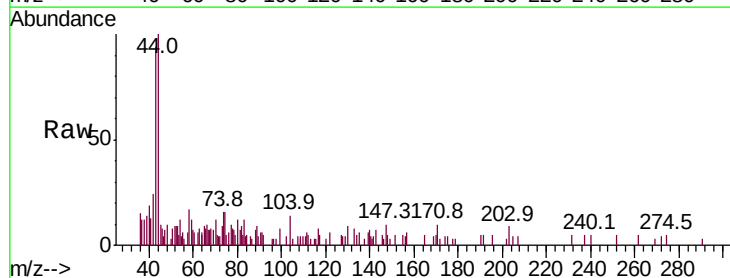
Instrument :
MSVOA_X
ClientSampled :
MW-4

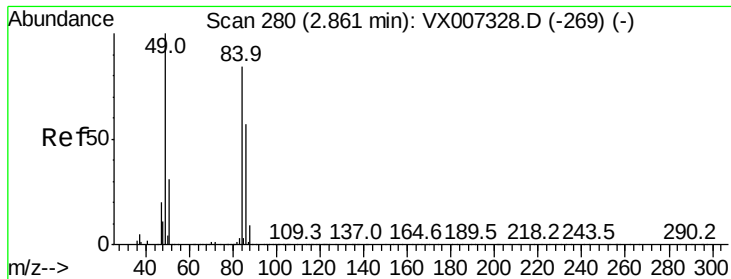
Tot Ion: 76 Resp: 1069
Ion Ratio Lower Upper
76 100
78 40.2 7.1 10.7#



#18
Methyl Acetate
Concen: 1.118 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
74 38.4 19.4 29.2#



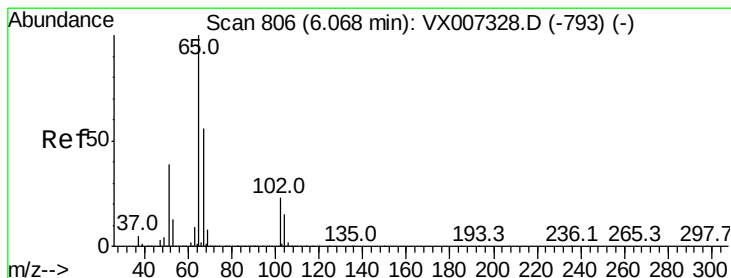
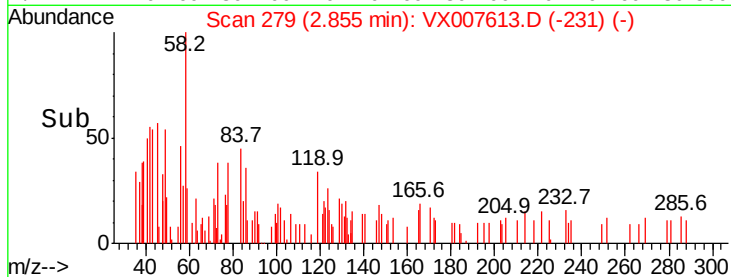
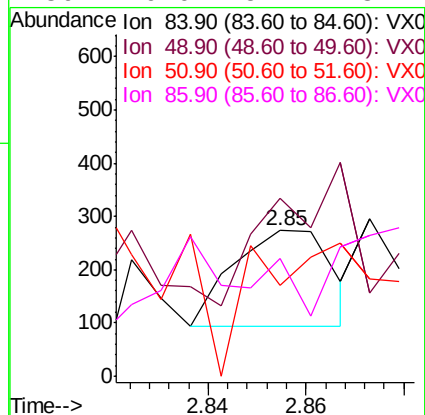
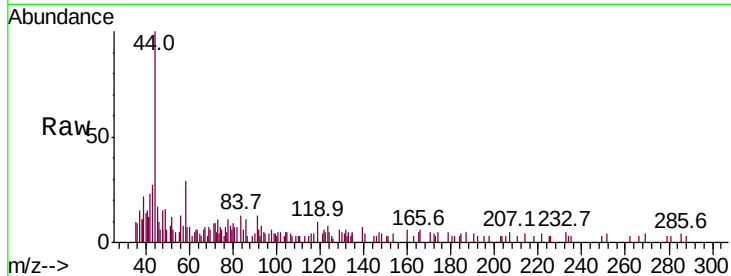


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

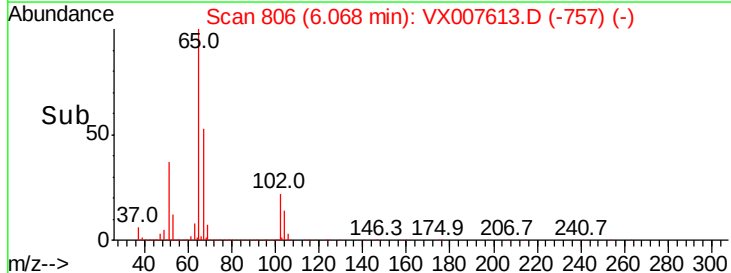
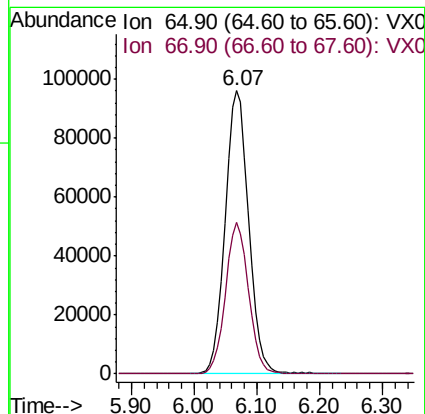
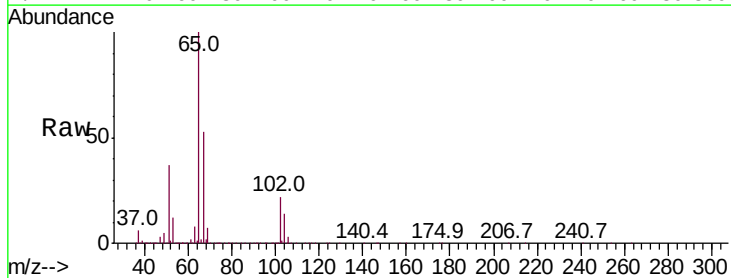
Tot Ion:	84	Resp:	249
Ion	Ratio	Lower	Upper
84	100		
49	91.7	94.8	142.2#
51	0.0	29.8	44.8#
86	0.0	54.1	81.1#

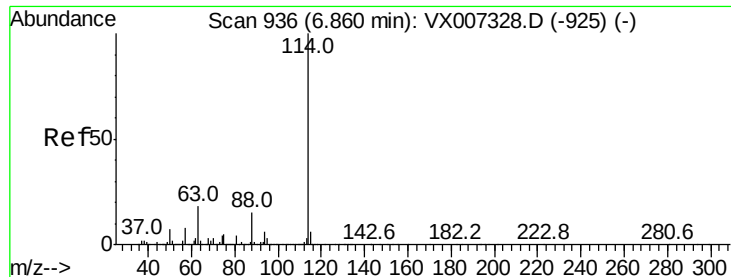


#33

1,2-Dichloroethane-d4
 Concen: 51.965 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

Tgt Ion:	65	Resp:	248232
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.8

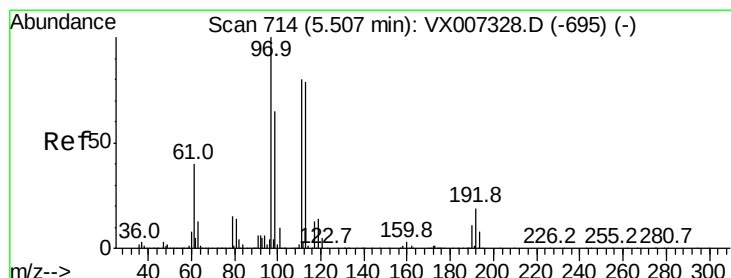
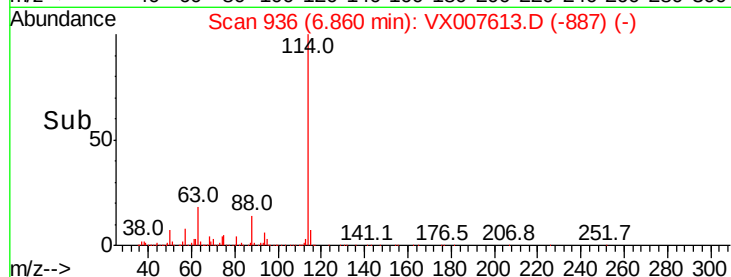
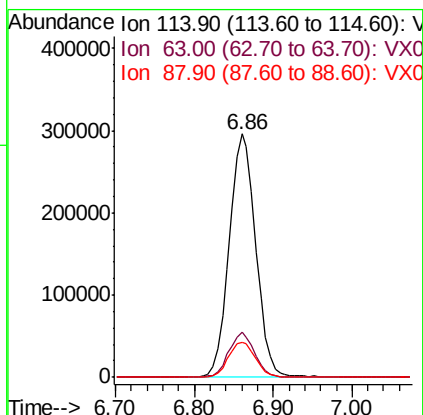
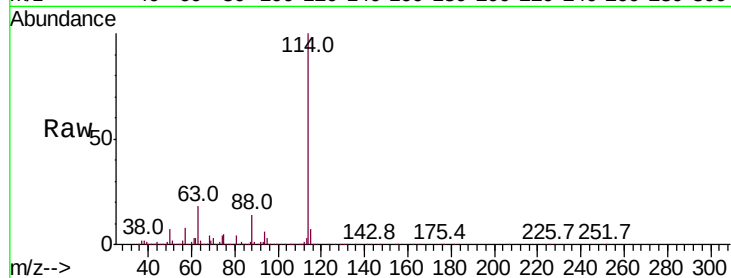




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

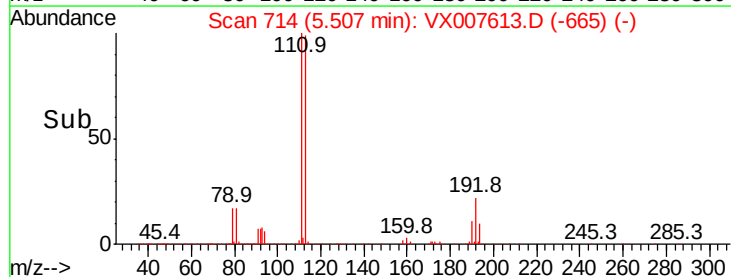
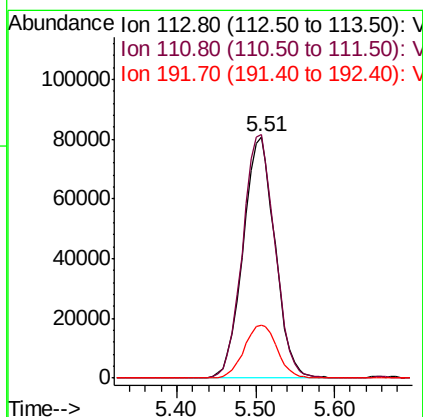
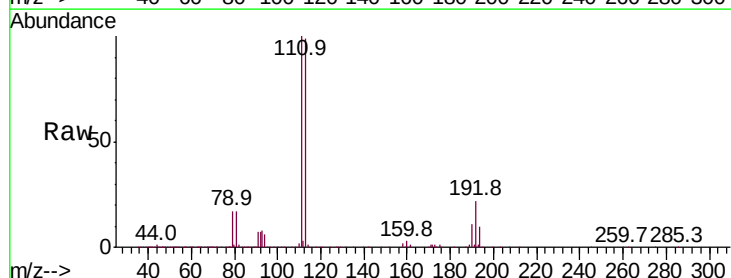
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

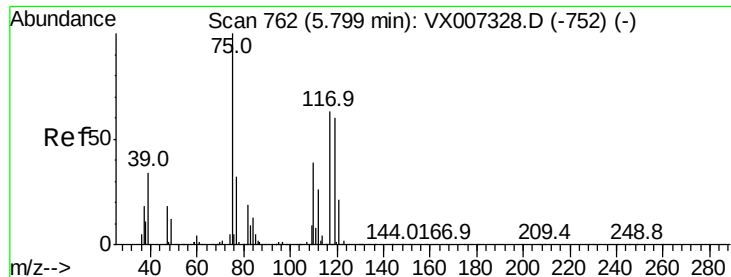
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.6
88	14.4	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.291 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	22.9	18.5	27.7





#36

1,1-Dichloropropene

Concen: 4.705 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

MW-4

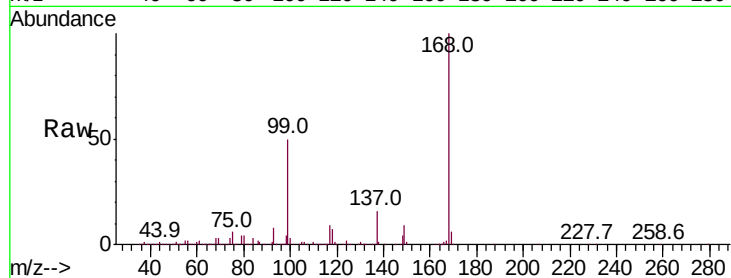
Tot Ion: 75 Resp: 29236

Ion Ratio Lower Upper

75 100

110 10.2 20.0 59.9#

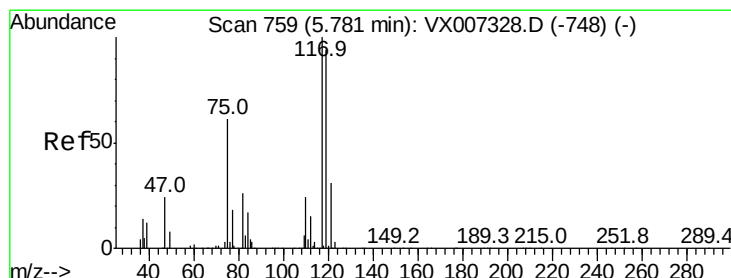
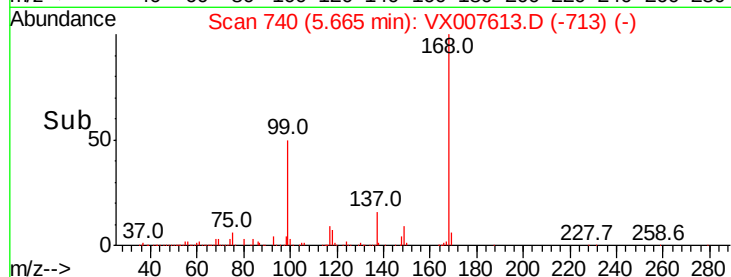
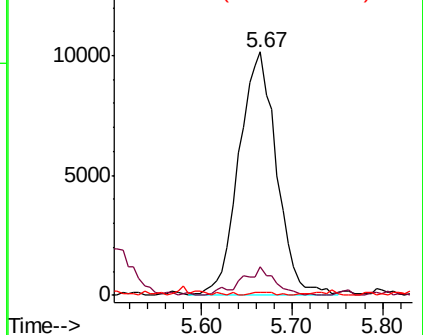
77 0.7 24.7 37.1#



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: 6.563 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

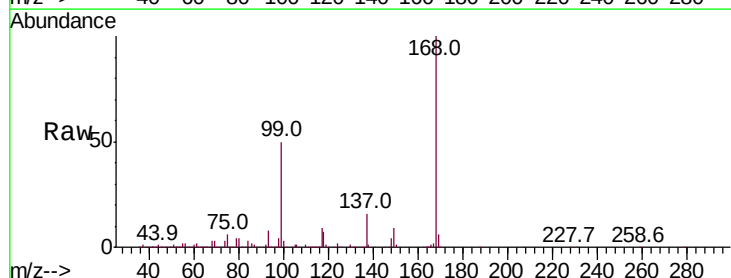
Tgt Ion: 117 Resp: 39568

Ion Ratio Lower Upper

117 100

119 6.9 75.3 112.9#

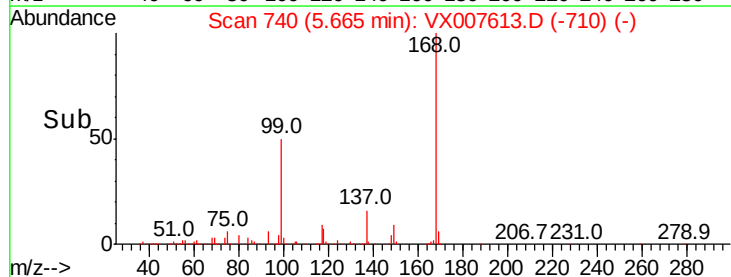
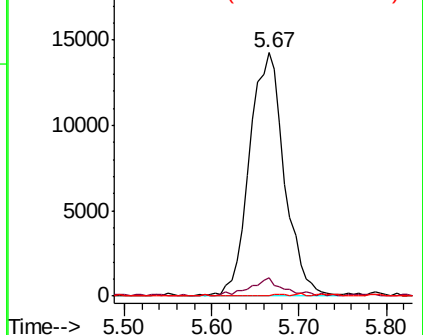
121 0.0 25.0 37.4#

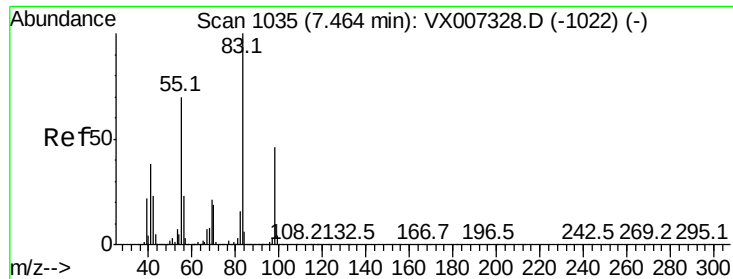


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 0.227 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

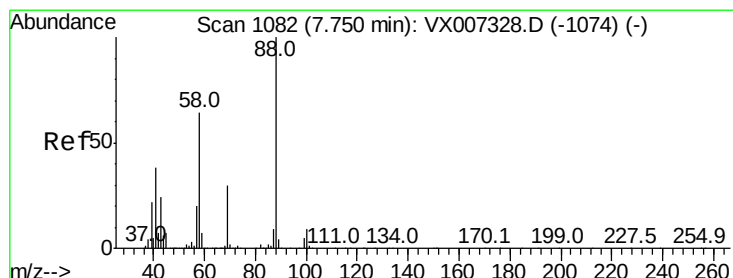
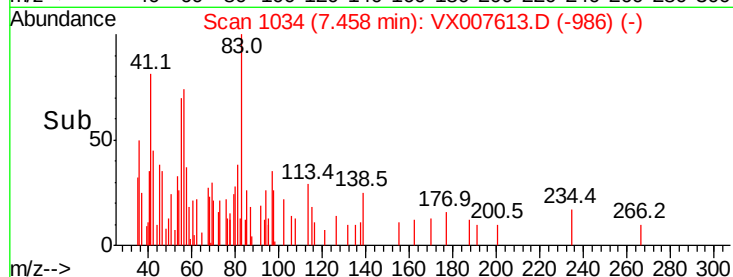
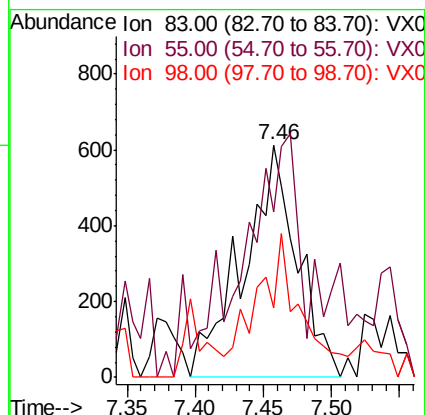
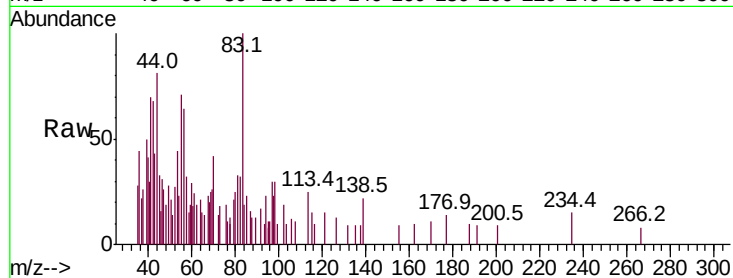
Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion: 83 Resp: 1704

Ion	Ratio	Lower	Upper
83	100		
55	59.4	56.2	84.2
98	19.9	36.8	55.2#



#49

1,4-Dioxane

Concen: 8.869 ug/l

RT: 7.73 min Scan# 1078

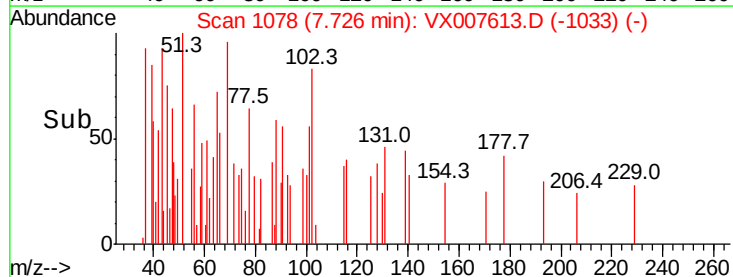
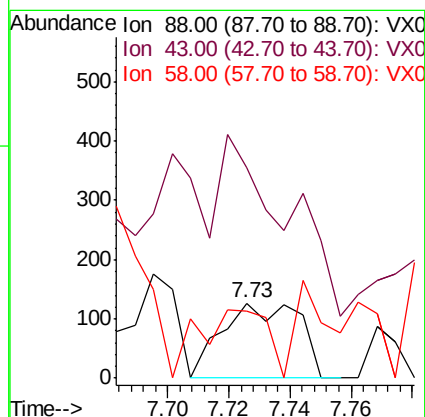
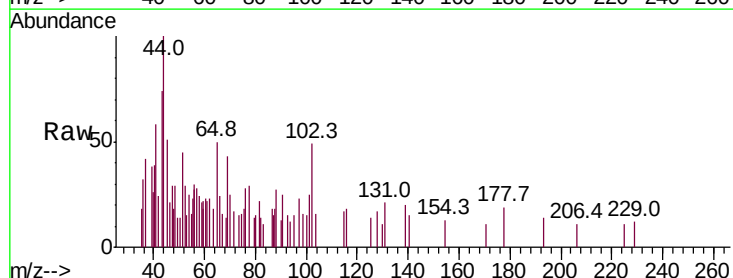
Delta R.T. -0.02 min

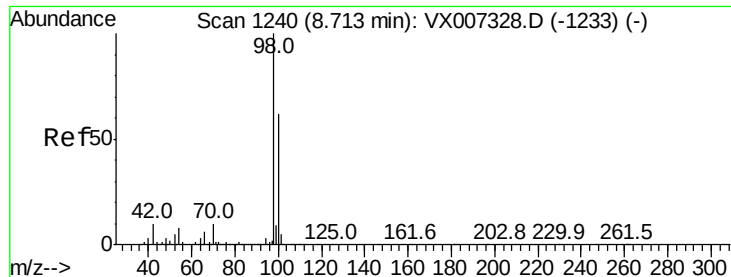
Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Tgt Ion: 88 Resp: 221

Ion	Ratio	Lower	Upper
88	100		
43	157.9	24.2	36.4#
58	81.0	53.0	79.4#





#50

Toluene-d8

Concen: 49.973 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

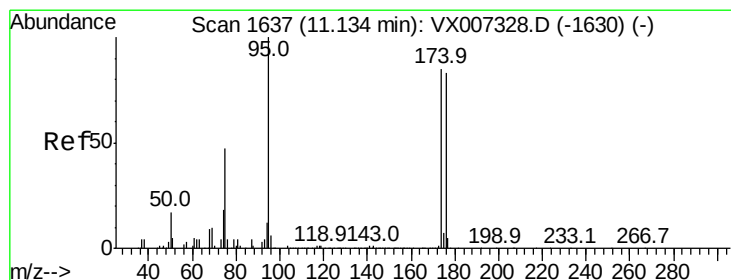
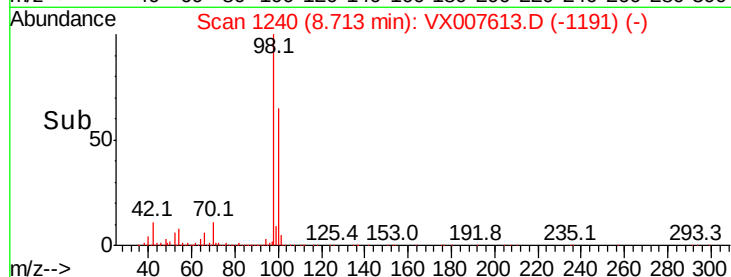
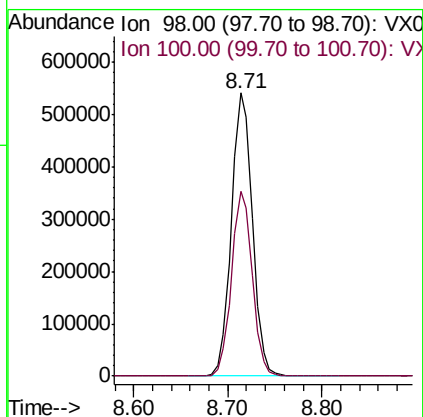
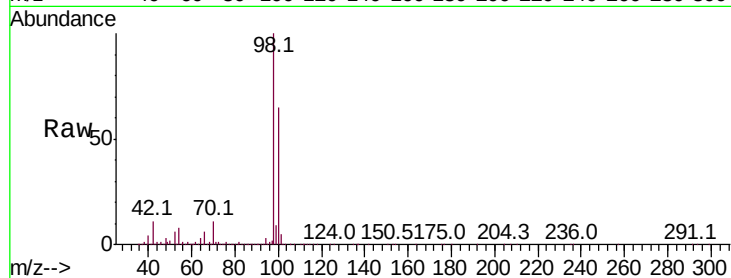
MW-4

Tot Ion: 98 Resp: 835532

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

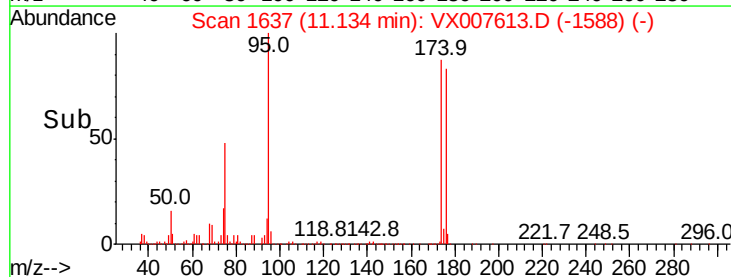
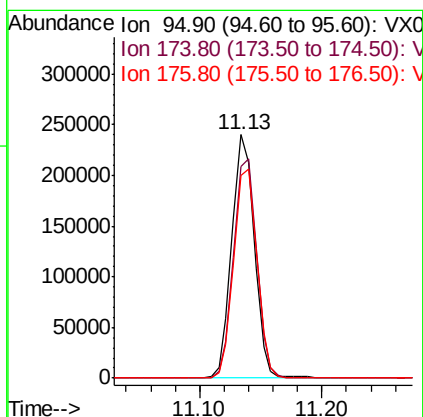
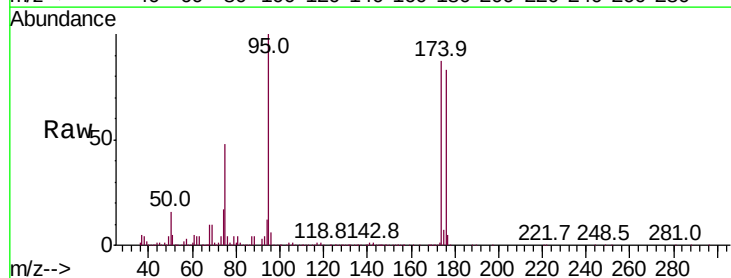
Tgt Ion: 95 Resp: 305037

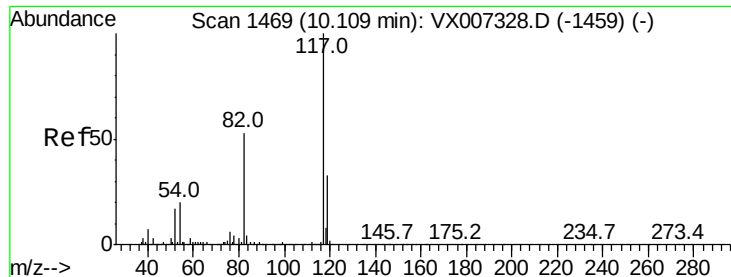
Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 89.0 0.0 186.2

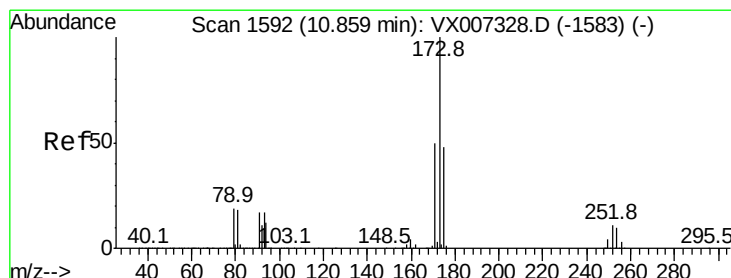
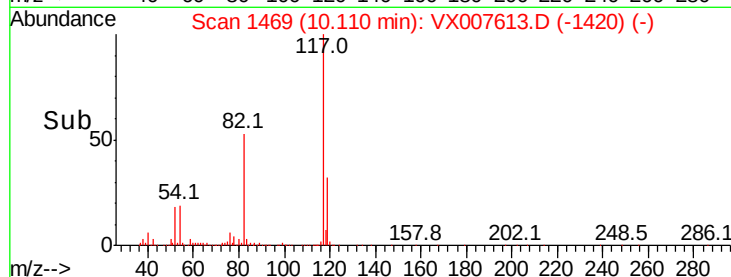
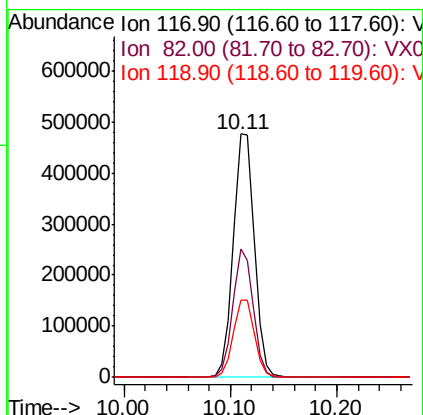
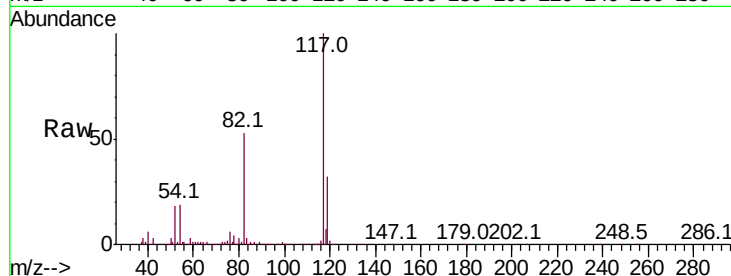




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

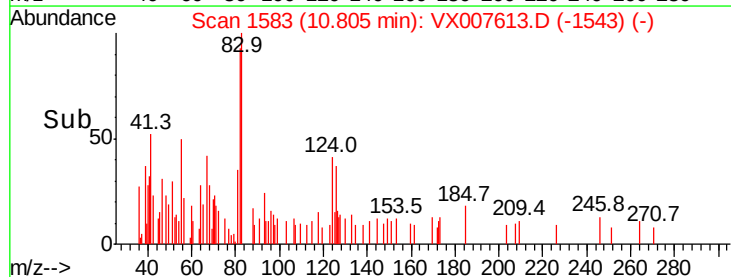
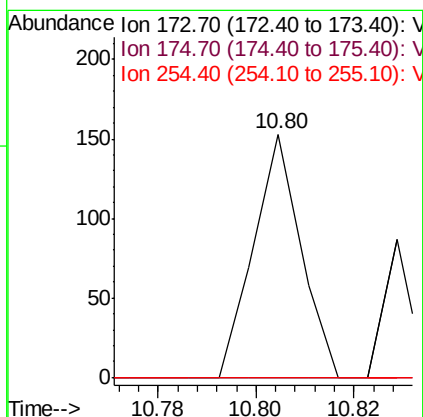
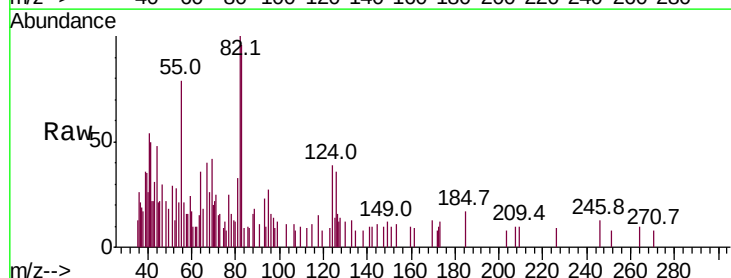
Instrument :
MSVOA_X
ClientSampleId :
MW-4

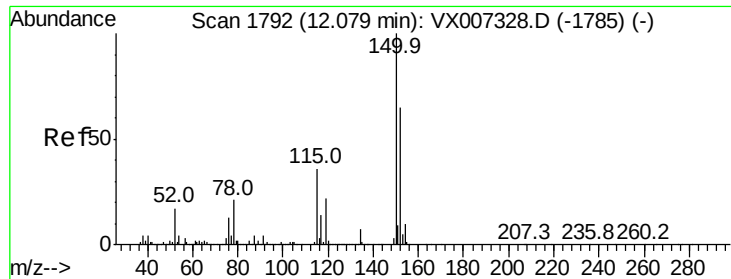
Tot Ion:117 Resp: 667756
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.0 26.5 39.7



#71
Bromoform
Concen: 4.051 ug/l
RT: 10.80 min Scan# 1583
Delta R.T. -0.05 min
Lab File: VX007613.D
Acq: 19 Feb 2019 15:10

Tgt Ion:173 Resp: 102
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#

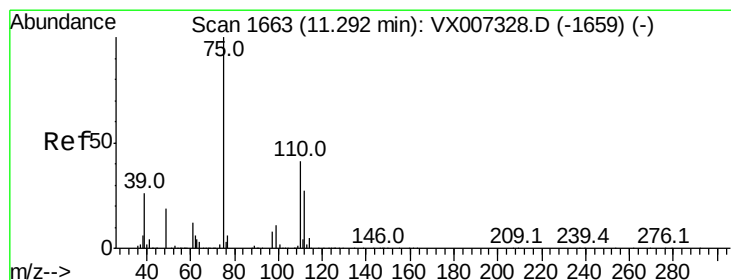
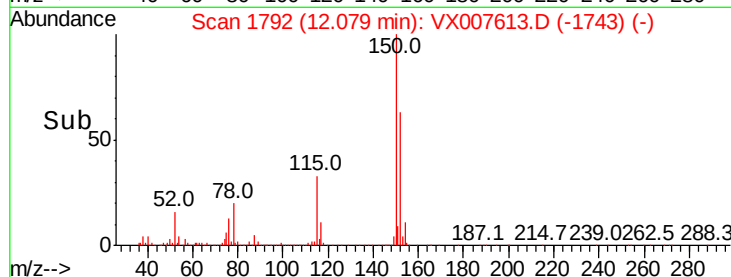
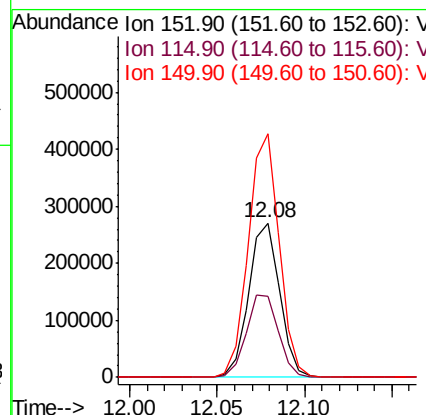
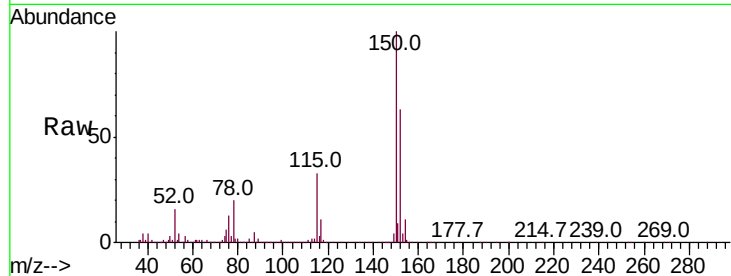




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

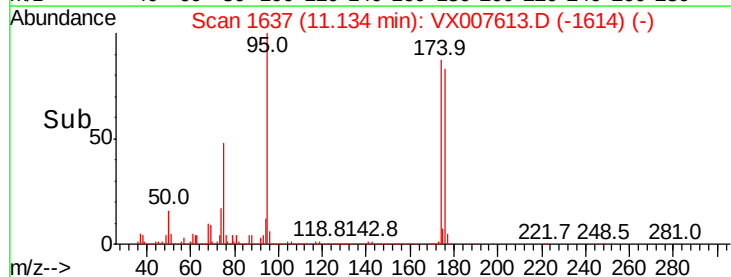
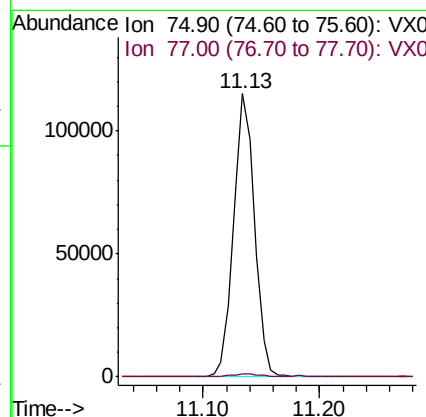
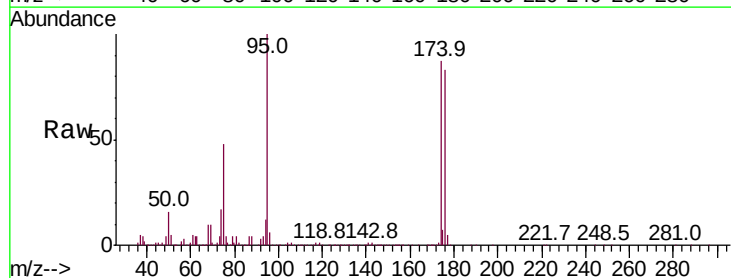
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

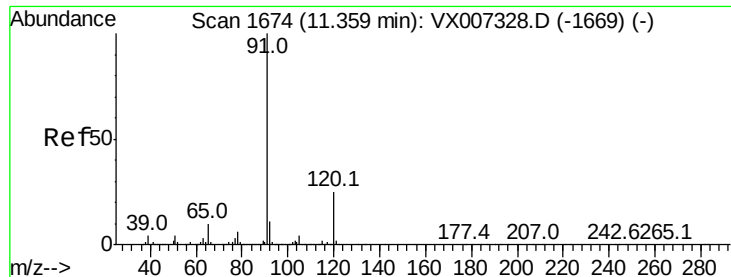
Tot Ion:152 Resp: 333375
 Ion Ratio Lower Upper
 152 100
 115 55.2 38.0 114.0
 150 157.6 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 22.327 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007613.D
 Acq: 19 Feb 2019 15:10

Tgt Ion: 75 Resp: 144780
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.0 69.0#





#78

n-propylbenzene

Concen: 0.206 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

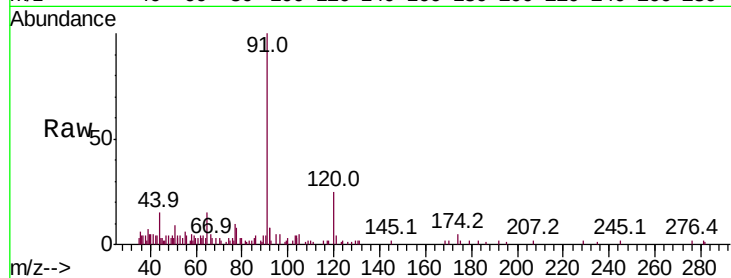
MW-4

Tot Ion: 91 Resp: 5116

Ion Ratio Lower Upper

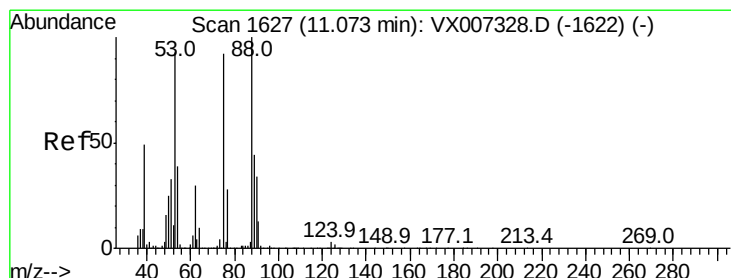
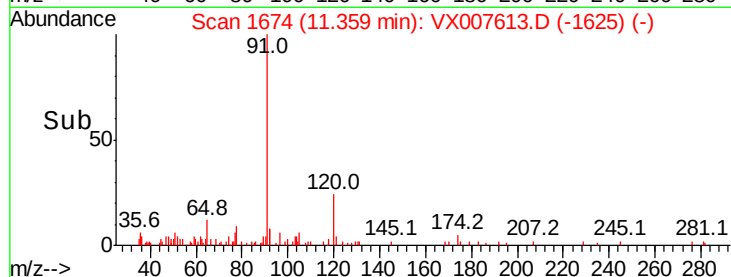
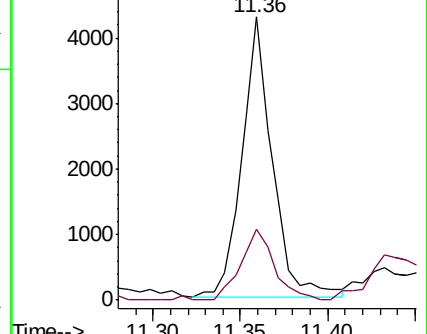
91 100

120 27.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

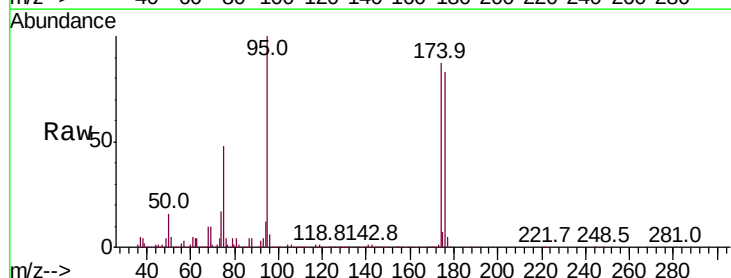
Tgt Ion: 75 Resp: 144780

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

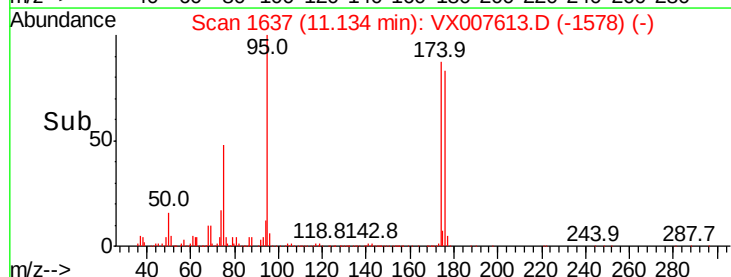
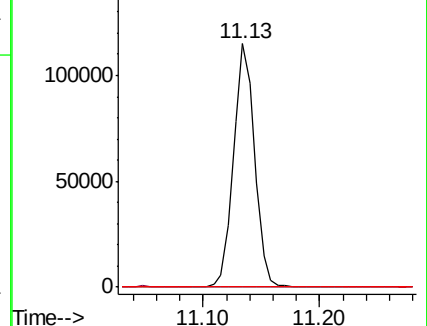
89 0.1 41.4 62.0#

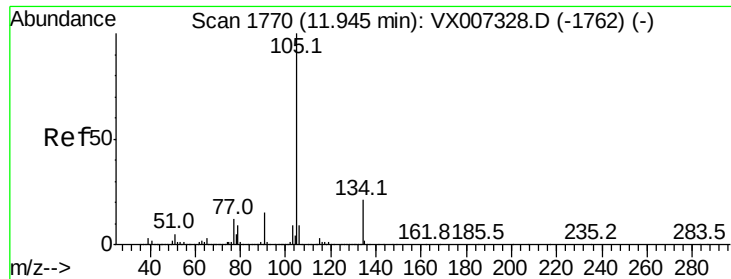


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#85

sec-Butylbenzene

Concen: 3.310 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

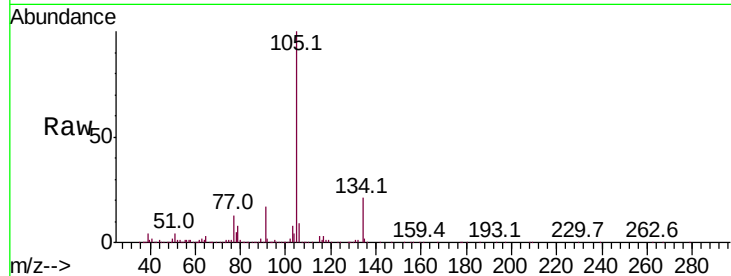
MW-4

Tot Ion:105 Resp: 73510

Ion Ratio Lower Upper

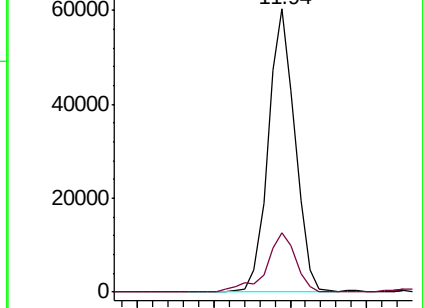
105 100

134 23.4 10.6 31.8

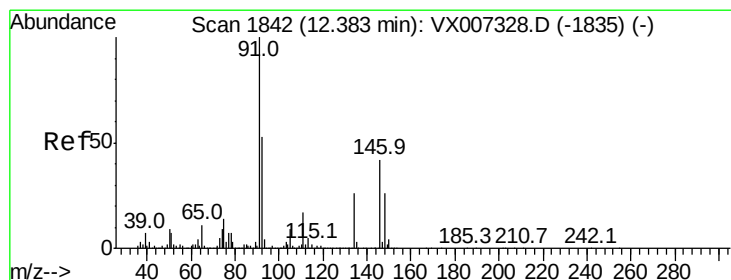
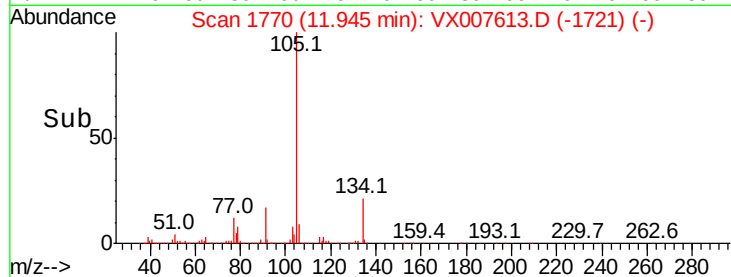


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#89

n-Butylbenzene

Concen: 0.431 ug/l

RT: 12.37 min Scan# 1839

Delta R.T. -0.02 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

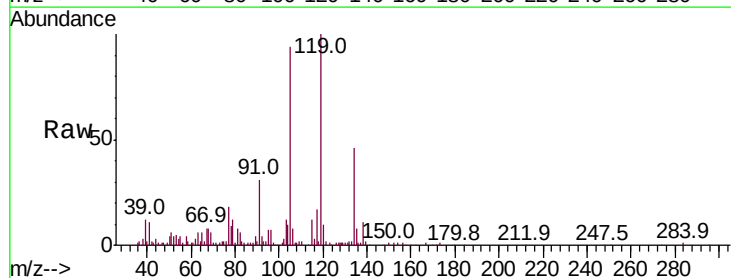
Tgt Ion: 91 Resp: 7428

Ion Ratio Lower Upper

91 100

92 20.4 26.3 78.9#

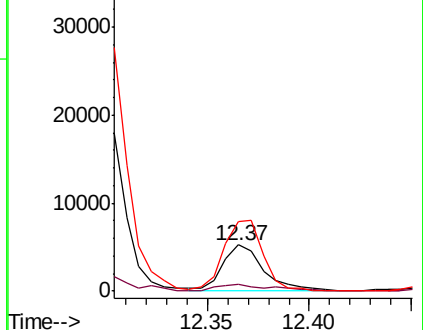
134 145.7 13.9 41.6#



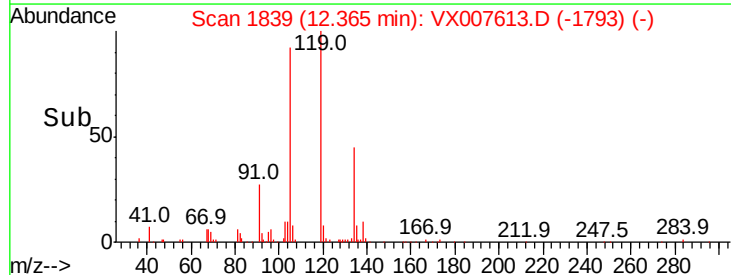
Abundance Ion 91.00 (90.70 to 91.70): VX0

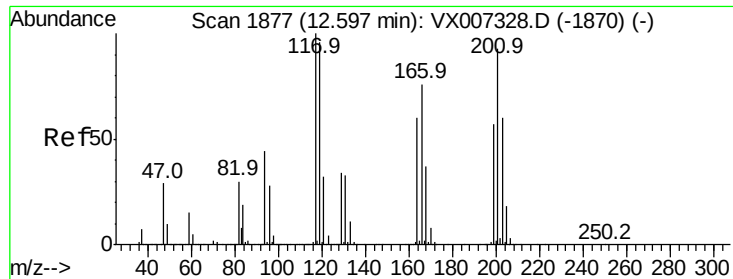
Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



Time-->





#90

Hexachloroethane

Concen: 21.623 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

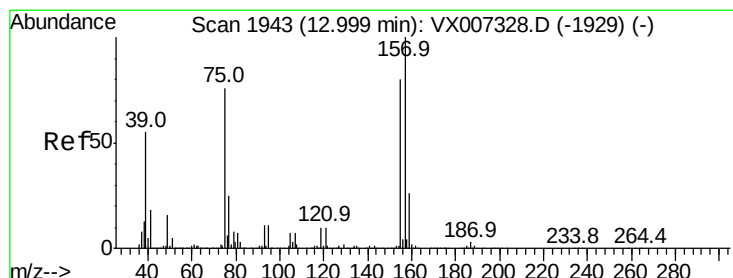
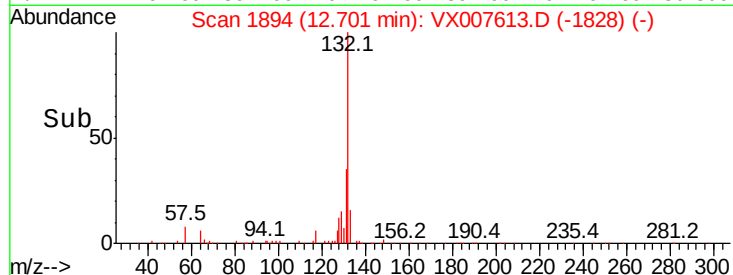
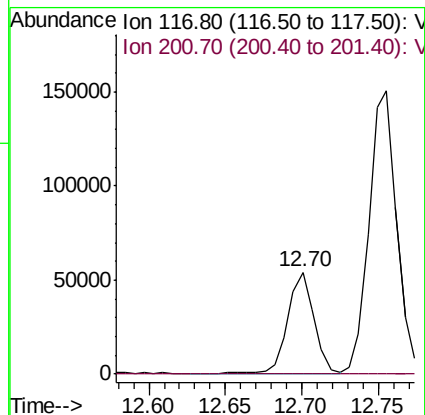
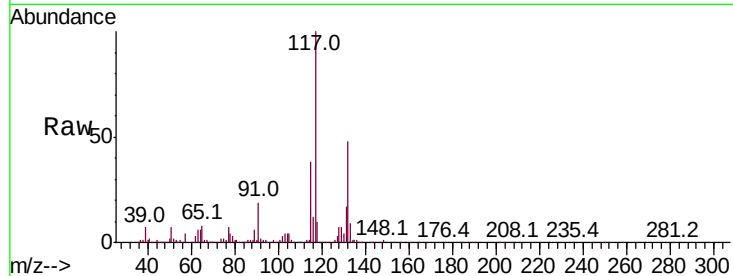
MW-4

Tot Ion:117 Resp: 64879

Ion Ratio Lower Upper

117 100

201 0.1 44.9 134.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

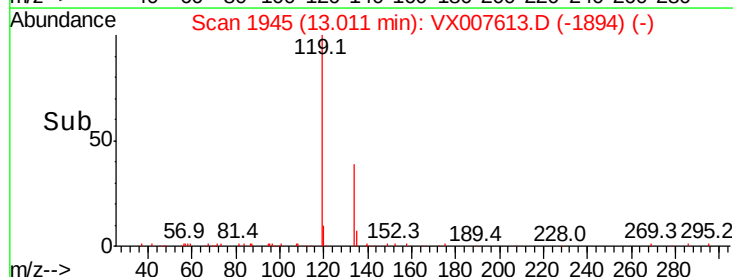
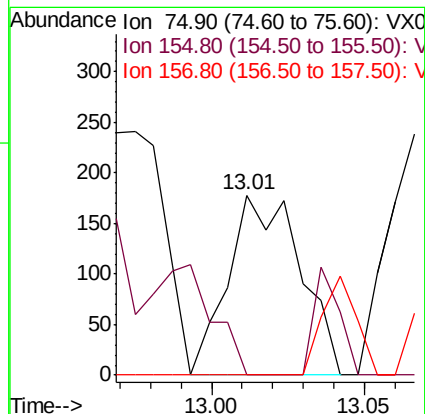
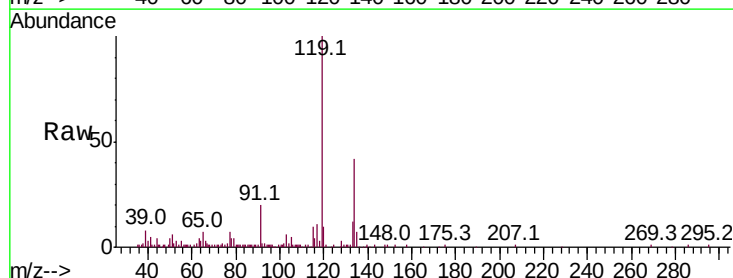
Tgt Ion: 75 Resp: 292

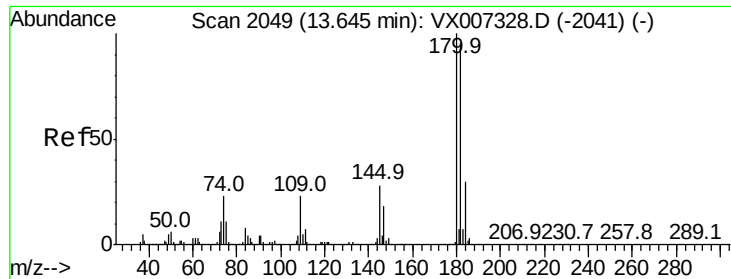
Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

157 0.0 65.1 195.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

MW-4

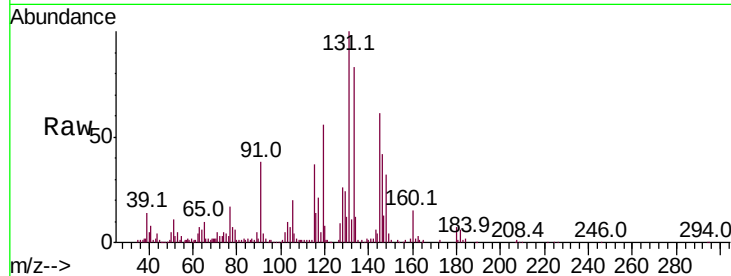
Tot Ion:180 Resp: 1624

Ion Ratio Lower Upper

180 100

182 97.5 47.8 143.3

145 673.8 14.1 42.2#

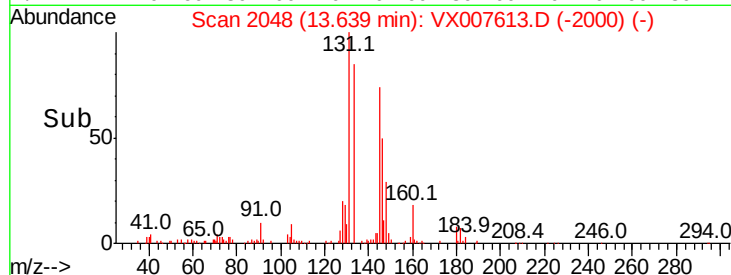


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



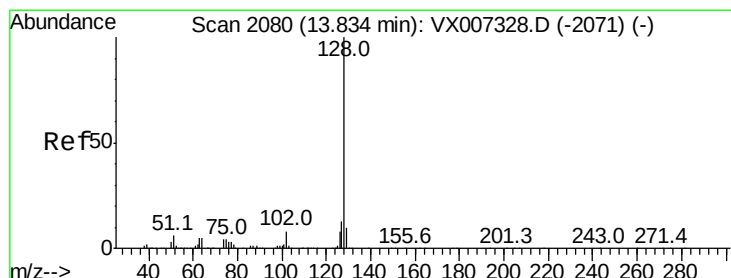
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



#95

Naphthalene

Concen: 0.254 ug/l

RT: 13.85 min Scan# 2083

Delta R.T. 0.02 min

Lab File: VX007613.D

Acq: 19 Feb 2019 15:10

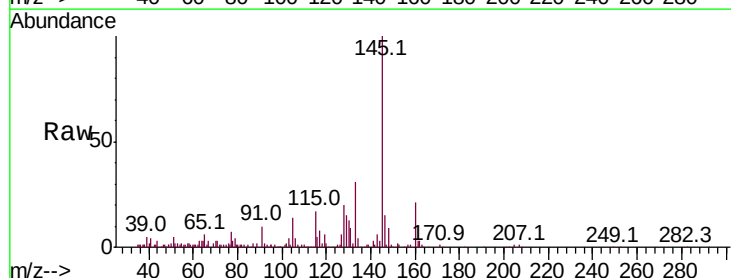
Tgt Ion:128 Resp: 5705

Ion Ratio Lower Upper

128 100

127 29.7 10.5 15.7#

129 76.7 8.7 13.1#

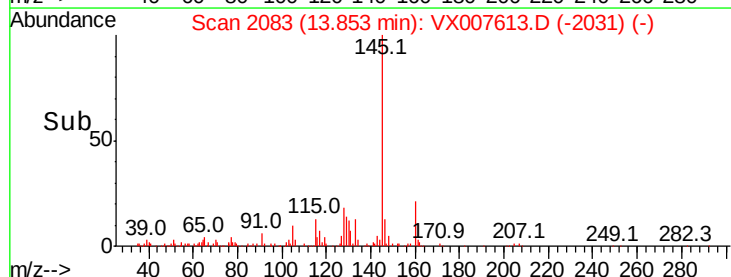


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->