

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014706.D
 Acq On : 24 Jan 2020 18:52
 Operator : JC/SP
 Sample : L1173-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0049-DECANT-H2O-COMP-1

Quant Time: Jan 24 22:34:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	420184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	652666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	589265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	254050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	243509	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	5.49	113	200481	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	784782	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.14	95	256837	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

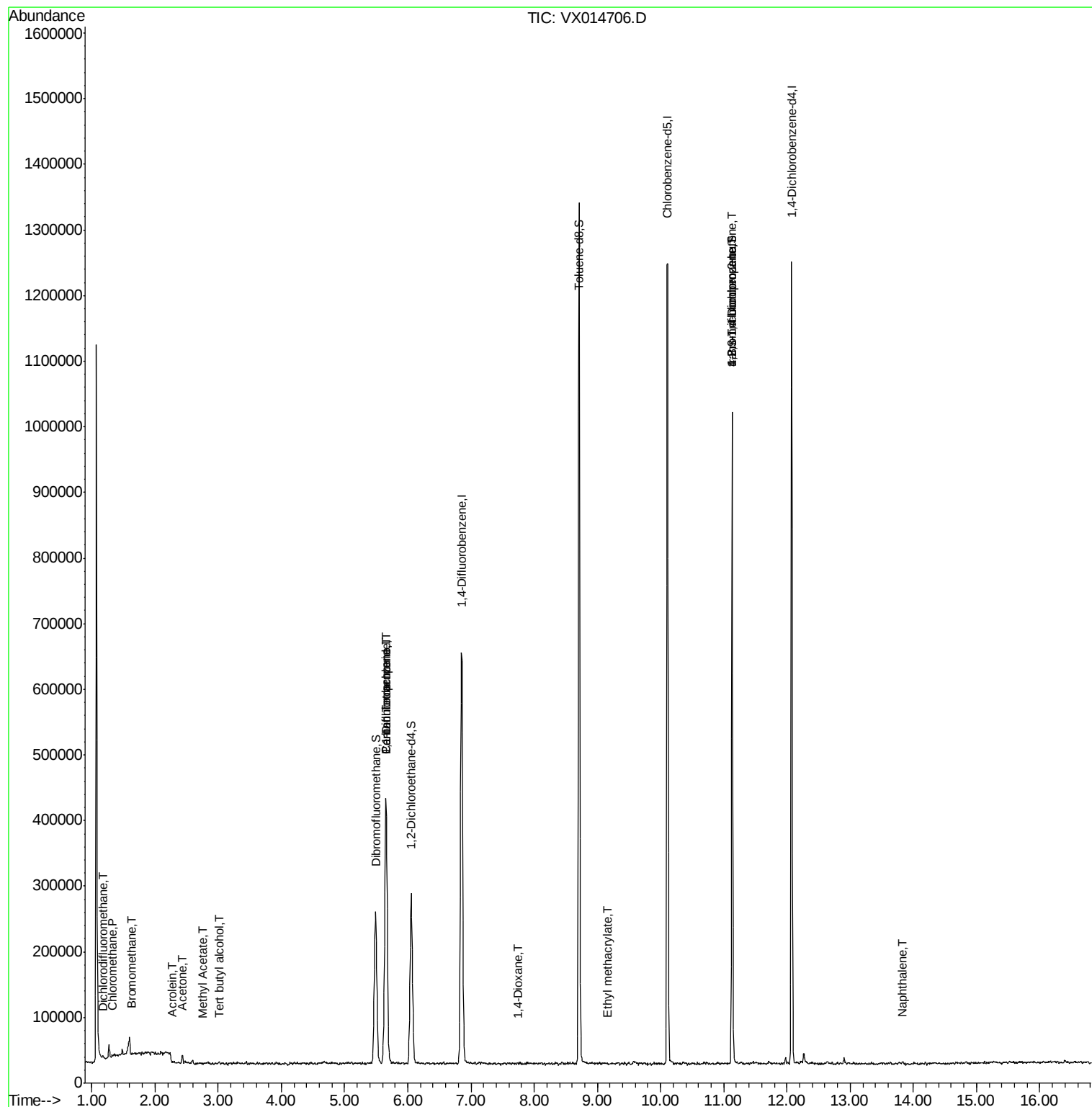
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	290	0.582	ug/l #	42
3) Chloromethane	1.32	50	2102	0.370	ug/l #	81
5) Bromomethane	1.64	94	1105	0.265	ug/l #	61
6) Chloroethane	1.70	64	662	Below Cal	#	79
11) Tert butyl alcohol	3.01	59	278	0.252	ug/l #	1
13) Acrolein	2.27	56	497	0.572	ug/l #	72
16) Acetone	2.43	43	14556	5.560	ug/l	95
18) Methyl Acetate	2.76	43	1731	0.226	ug/l #	90
36) 1,1-Dichloropropene	5.65	75	29088	4.796	ug/l #	49
38) Carbon Tetrachloride	5.65	117	36222	6.254	ug/l #	14
41) Methacrylonitrile	5.01	41	251	Below Cal	#	1
49) 1,4-Dioxane	7.75	88	195	1.693	ug/l #	1
56) Ethyl methacrylate	9.15	69	143	1.802	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	125758	21.277	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	125758	60.549	ug/l #	10
95) Naphthalene	13.83	128	2062	1.045	ug/l #	69

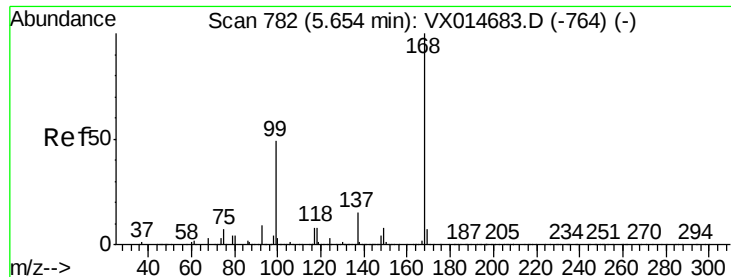
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

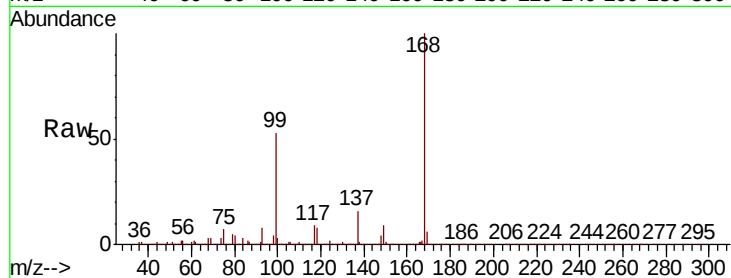
0049-DECANT-H2O-COMP-1

Tot Ion:168 Resp: 420184

Ion Ratio Lower Upper

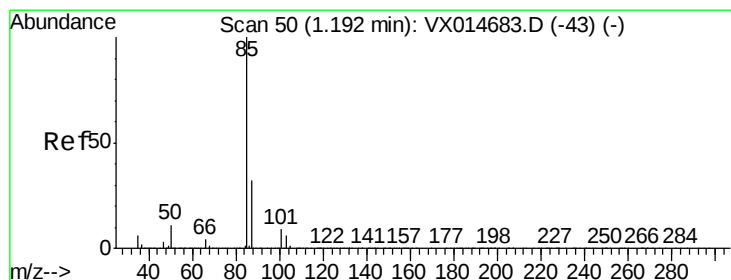
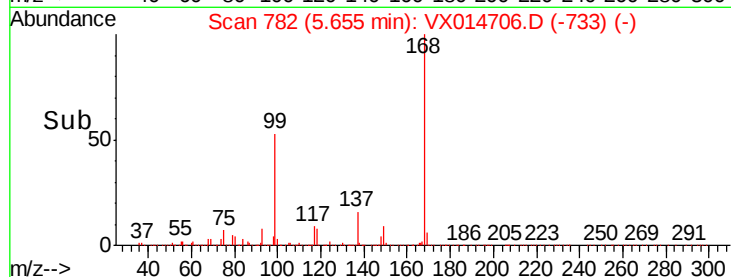
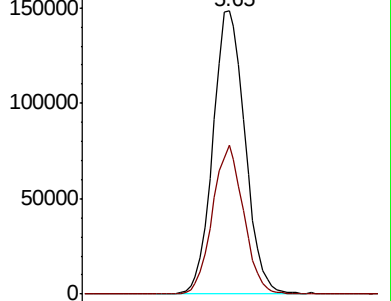
168 100

99 52.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.582 ug/l

RT: 1.17 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX014706.D

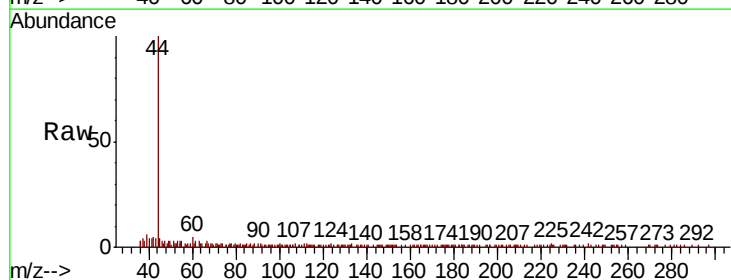
Acq: 24 Jan 2020 18:52

Tgt Ion: 85 Resp: 290

Ion Ratio Lower Upper

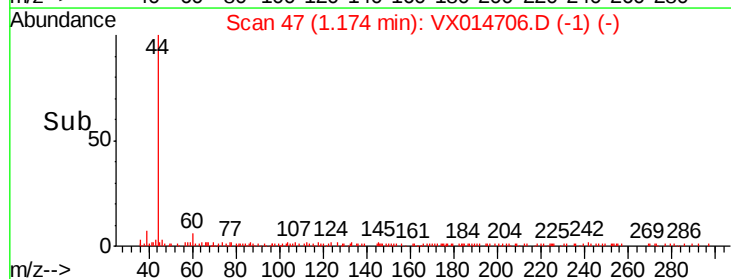
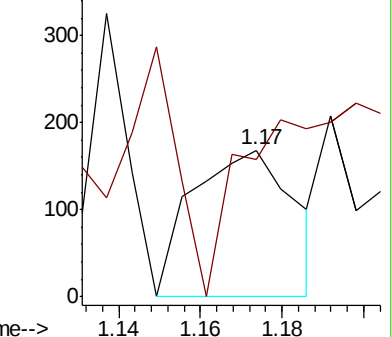
85 100

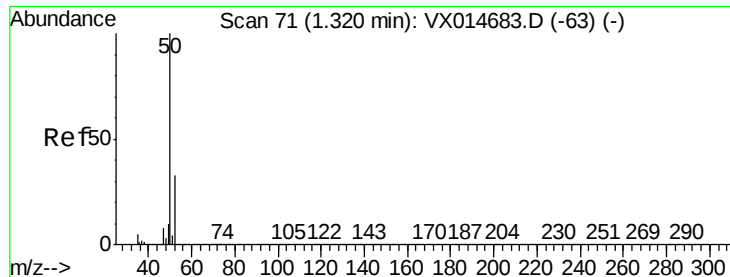
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.370 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

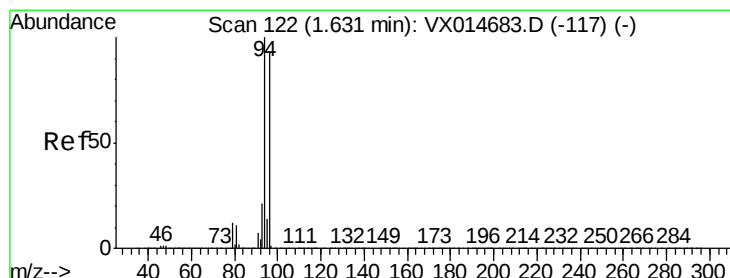
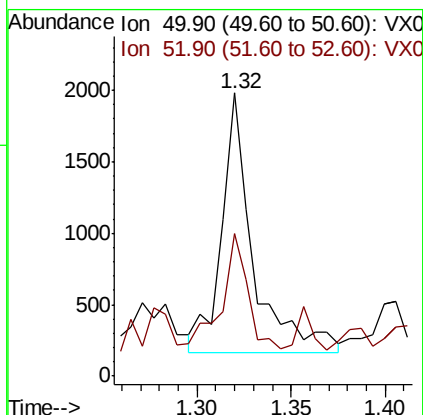
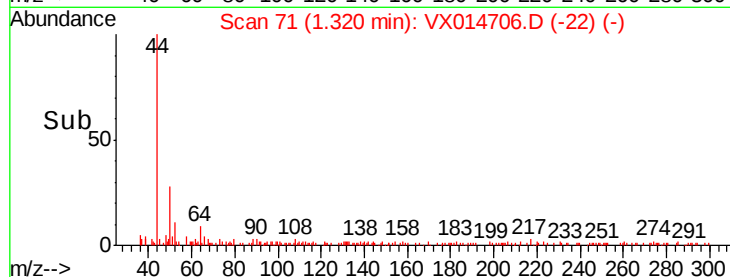
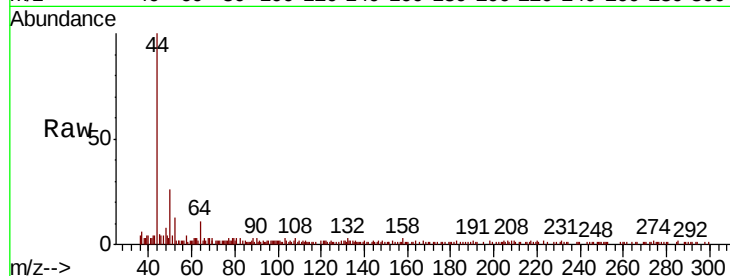
0049-DECANT-H2O-COMP-1

Tot Ion: 50 Resp: 2102

Ion Ratio Lower Upper

50 100

52 43.6 26.2 39.2#



#5

Bromomethane

Concen: 0.265 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014706.D

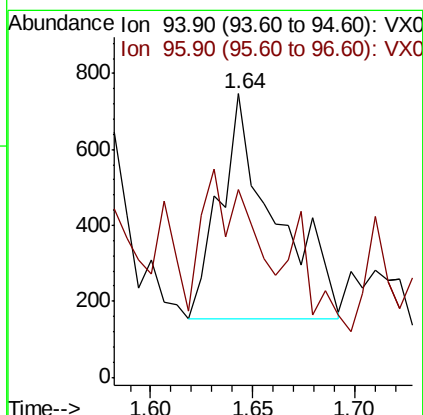
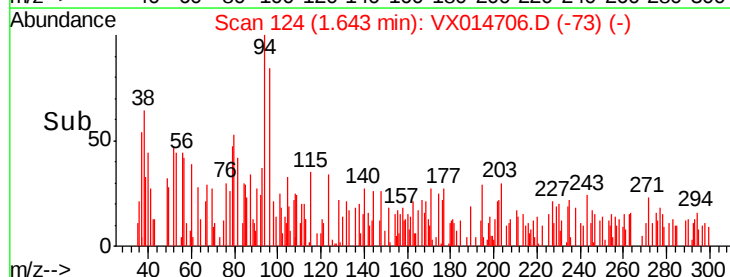
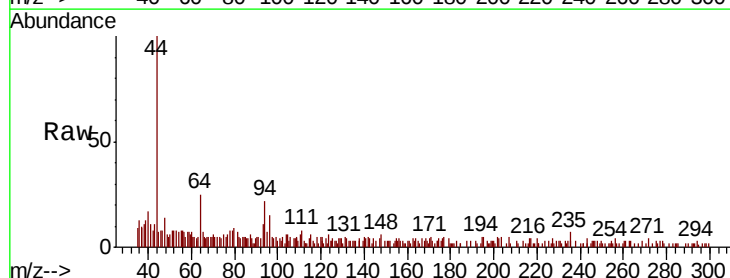
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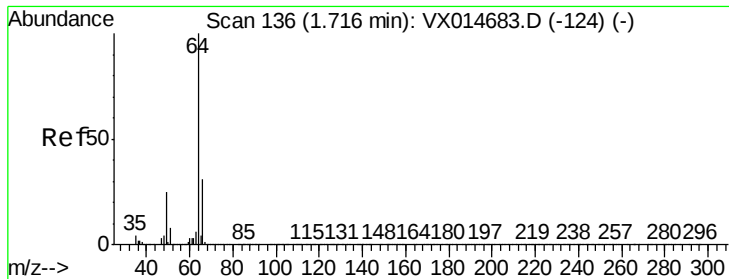
Tgt Ion: 94 Resp: 1105

Ion Ratio Lower Upper

94 100

96 56.1 74.7 112.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

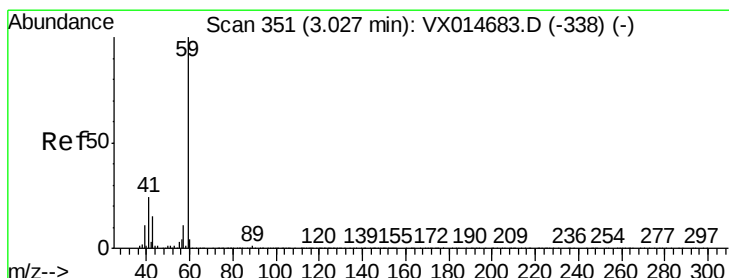
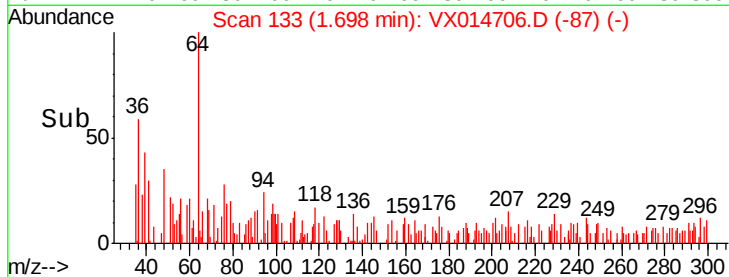
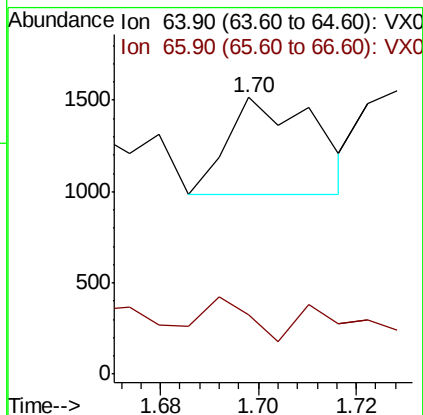
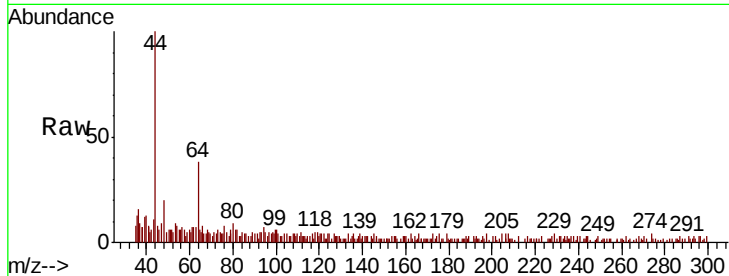
0049-DECANT-H2O-COMP-1

Tot Ion: 64 Resp: 662

Ion Ratio Lower Upper

64 100

66 43.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.252 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014706.D

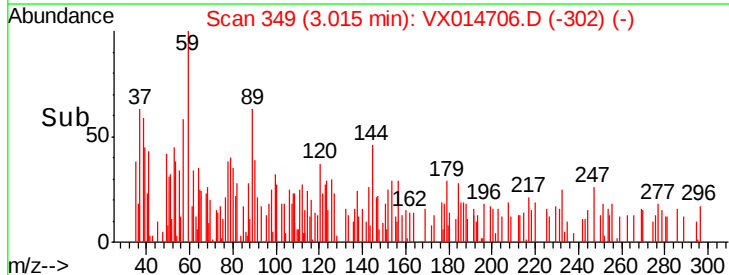
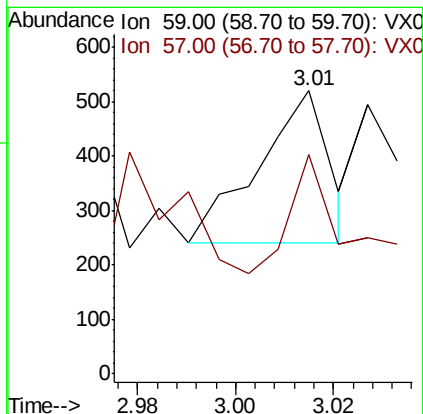
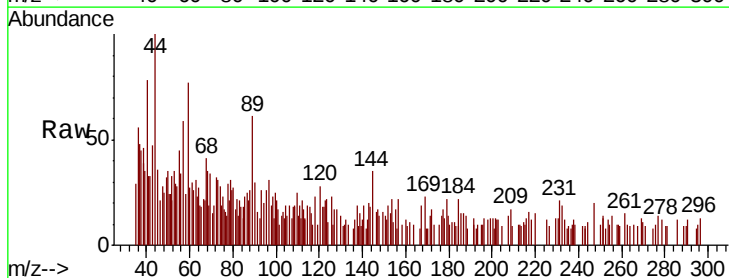
Acq: 24 Jan 2020 18:52

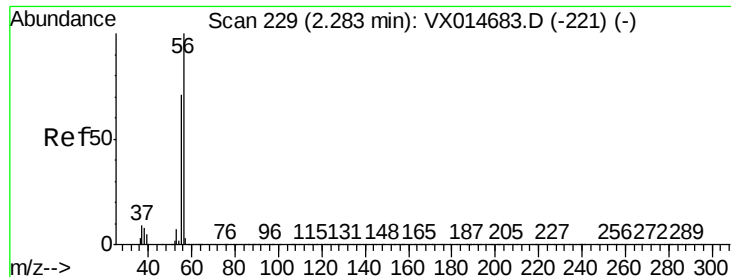
Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 138.5 8.3 12.5#





#13

Acrolein

Concen: 0.572 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

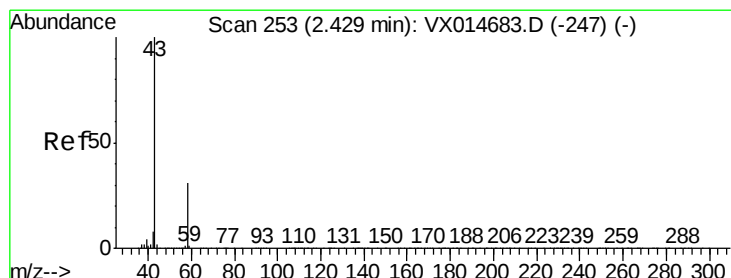
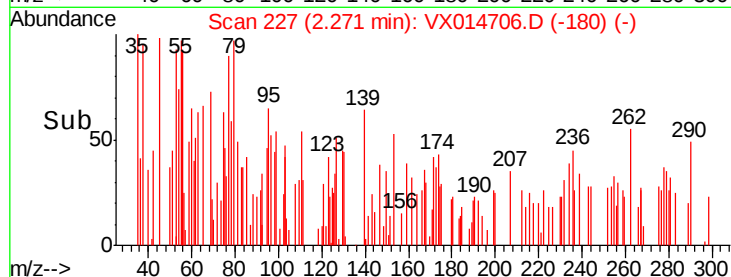
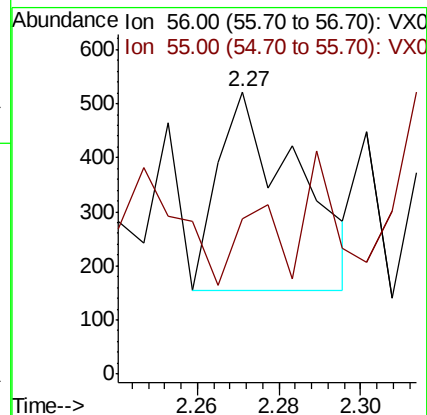
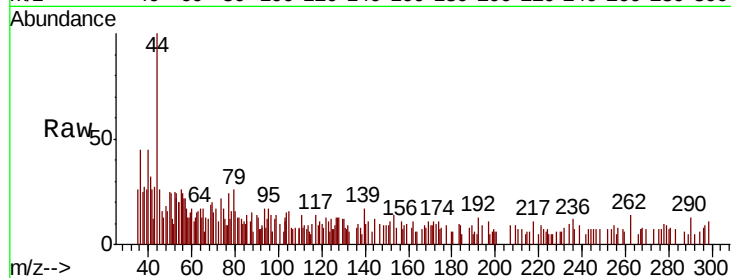
0049-DECANT-H2O-COMP-1

Tot Ion: 56 Resp: 497

Ion Ratio Lower Upper

56 100

55 47.7 56.6 84.8#



#16

Acetone

Concen: 5.560 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014706.D

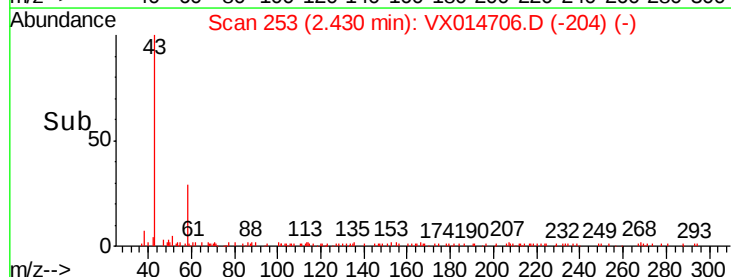
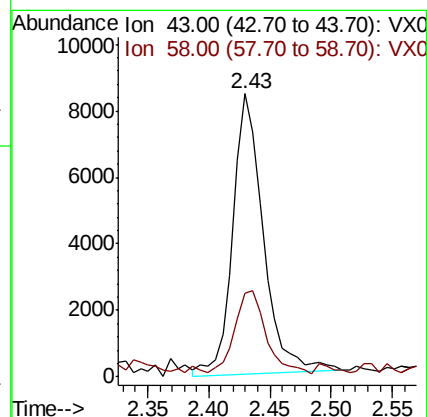
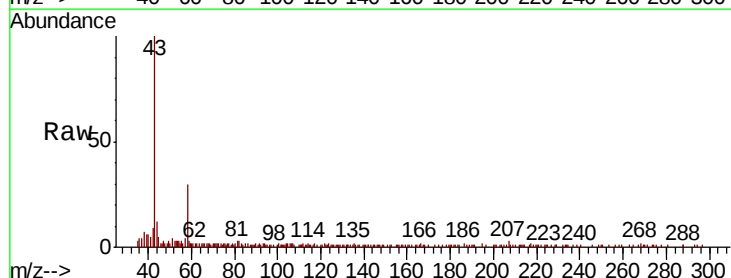
Acq: 24 Jan 2020 18:52

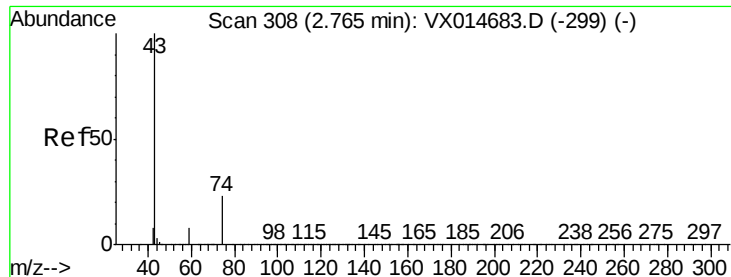
Tgt Ion: 43 Resp: 14556

Ion Ratio Lower Upper

43 100

58 27.9 24.5 36.7

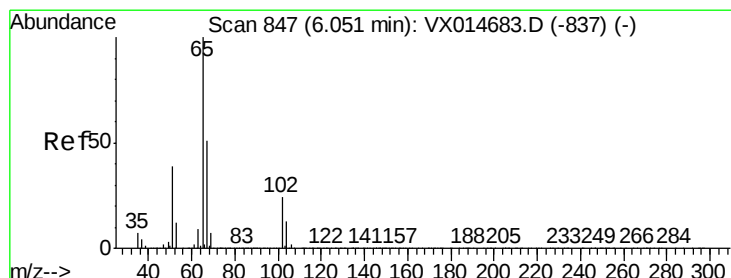
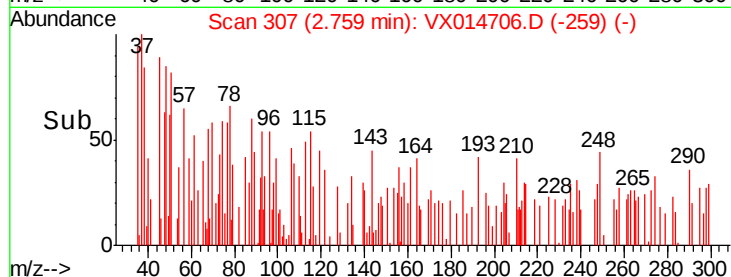
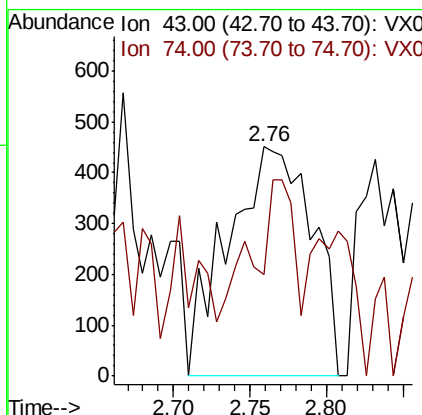
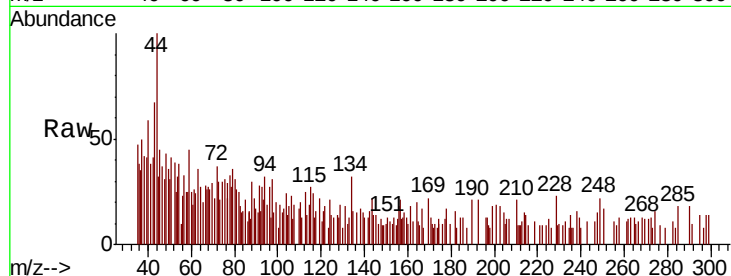




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014706.D
Acq: 24 Jan 2020 18:52

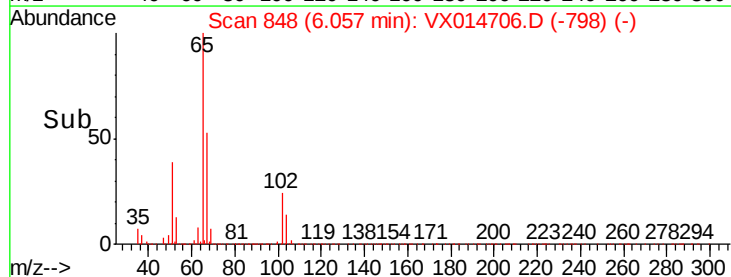
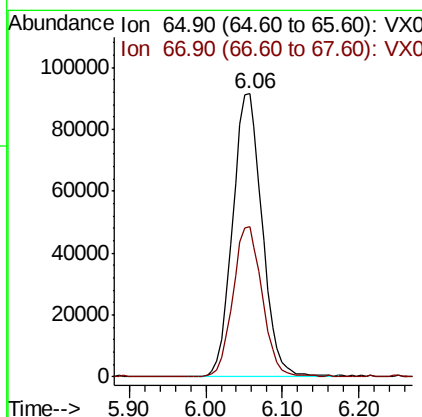
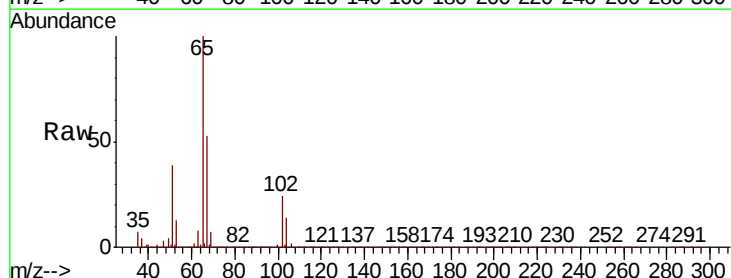
Instrument :
MSVOA_X
ClientSampleId :
0049-DECANT-H2O-COMP-1

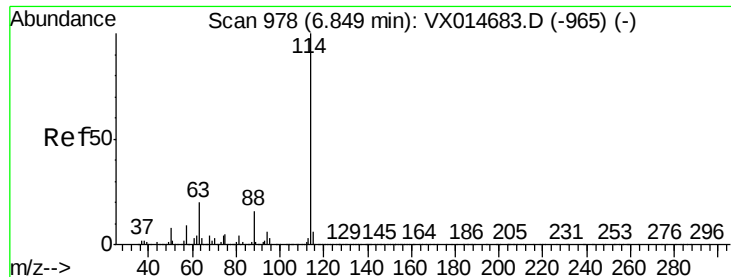
Tot Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
74 27.8 18.5 27.7#



#33
1,2-Dichloroethane-d4
Concen: 49.627 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014706.D
Acq: 24 Jan 2020 18:52

Tgt Ion: 65 Resp: 243509
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

0049-DECANT-H2O-COMP-1

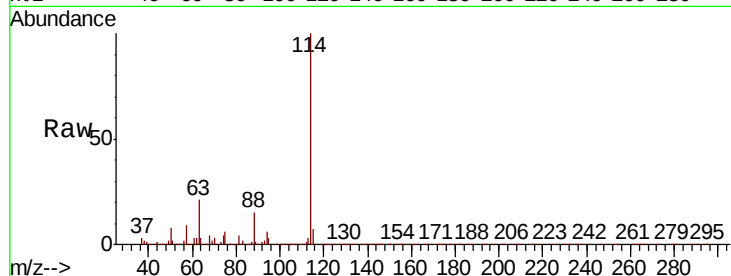
Tot Ion:114 Resp: 652666

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

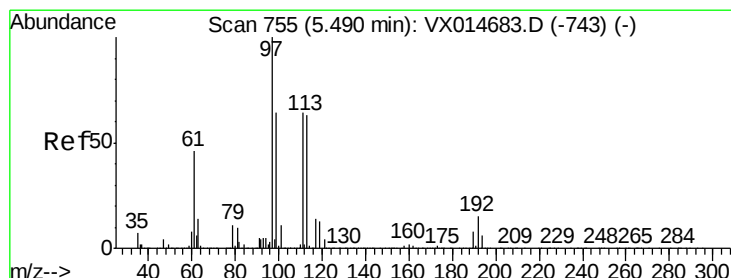
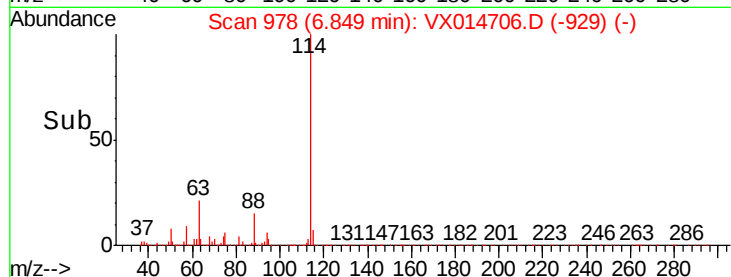
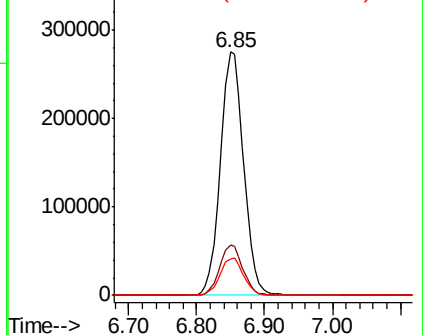
88 15.0 0.0 31.2



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: 48.681 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

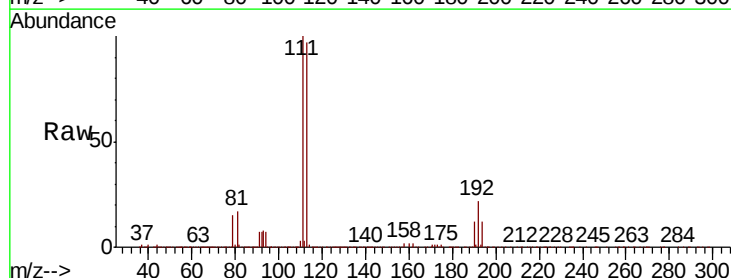
Tgt Ion:113 Resp: 200481

Ion Ratio Lower Upper

113 100

111 102.9 80.7 121.1

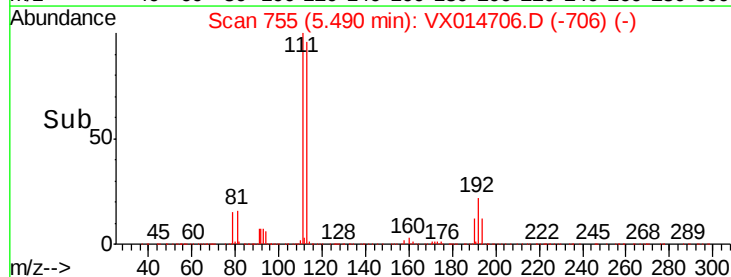
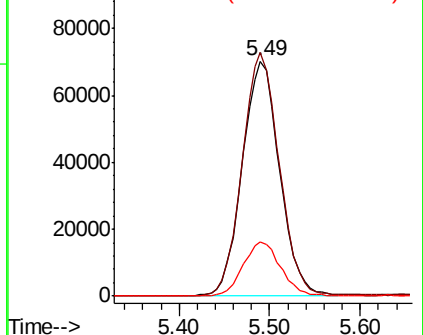
192 23.3 18.5 27.7

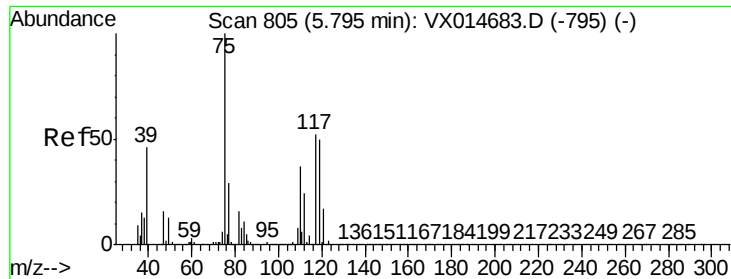


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

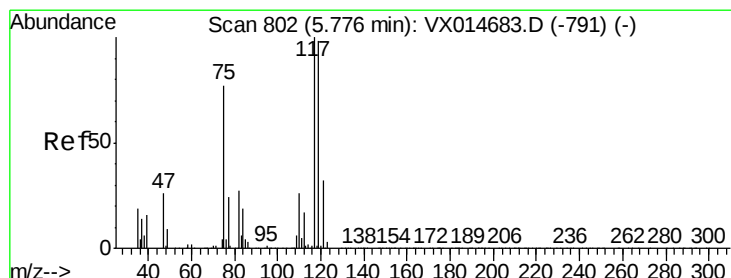
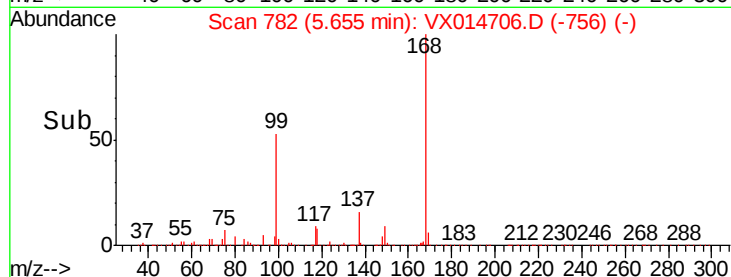
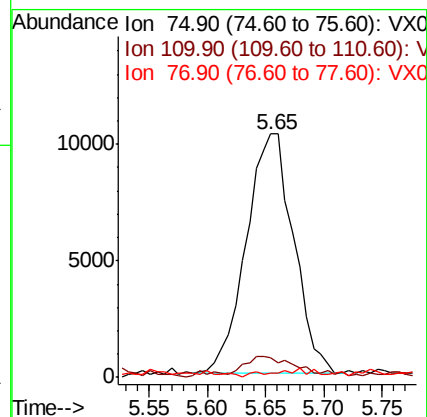
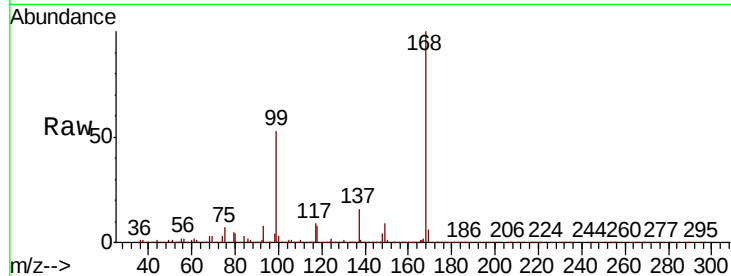




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014706.D
 Acq: 24 Jan 2020 18:52

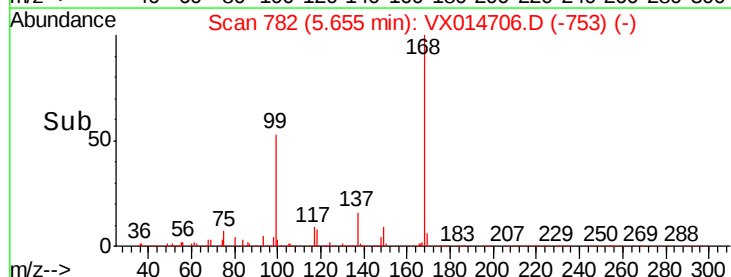
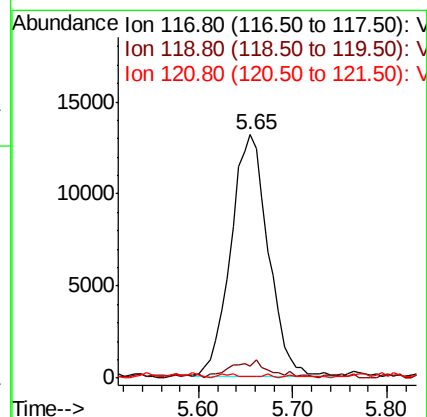
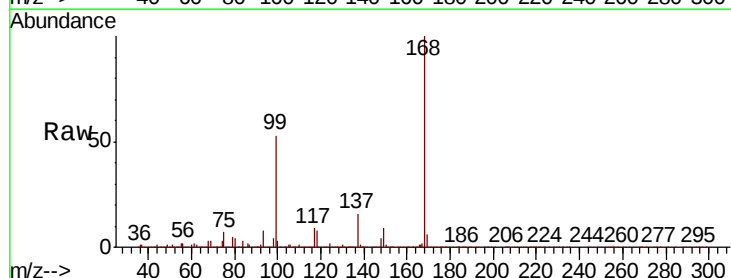
Instrument :
 MSVOA_X
 ClientSampleId :
 0049-DECANT-H2O-COMP-1

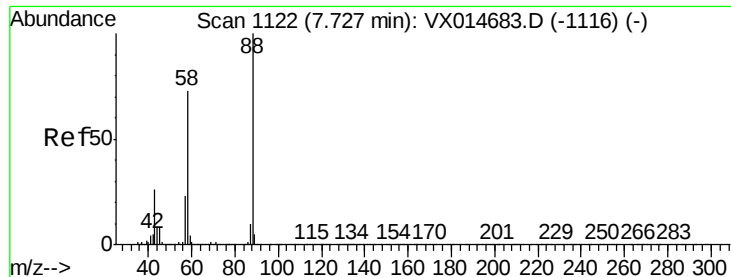
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.9	53.7#
77	0.7	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.254 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014706.D
 Acq: 24 Jan 2020 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.9	116.9#
121	0.0	25.4	38.2#





#49

1,4-Dioxane

Concen: 1.693 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

0049-DECANT-H2O-COMP-1

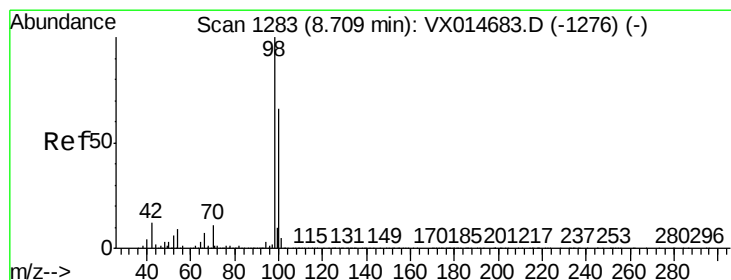
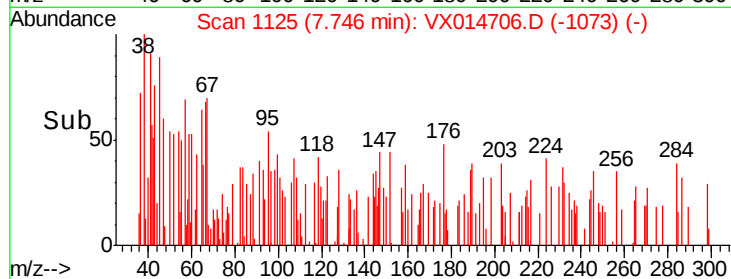
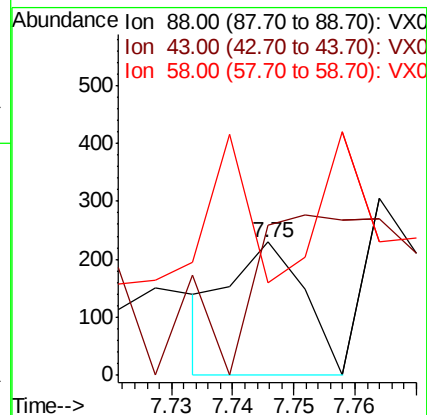
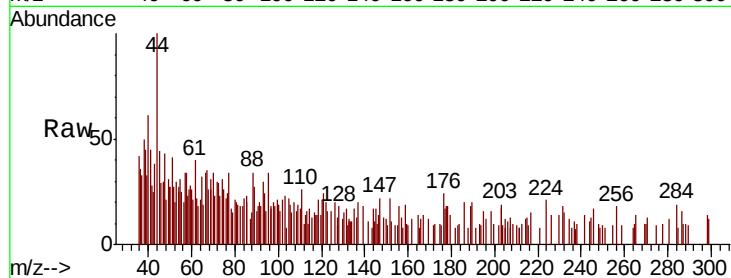
Tot Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 273.3 26.2 39.2#

58 57.4 56.6 85.0



#50

Toluene-d8

Concen: 49.568 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014706.D

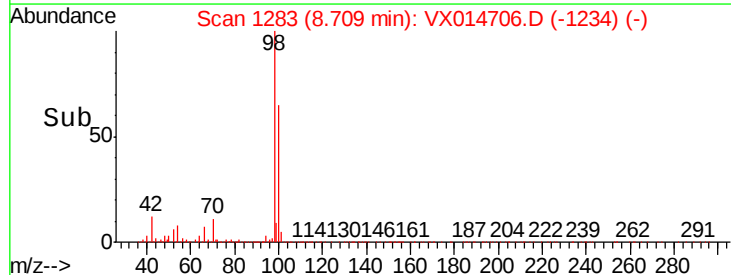
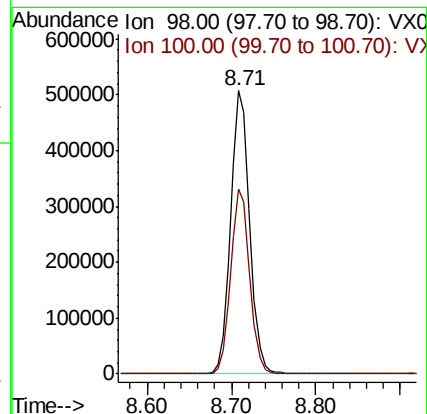
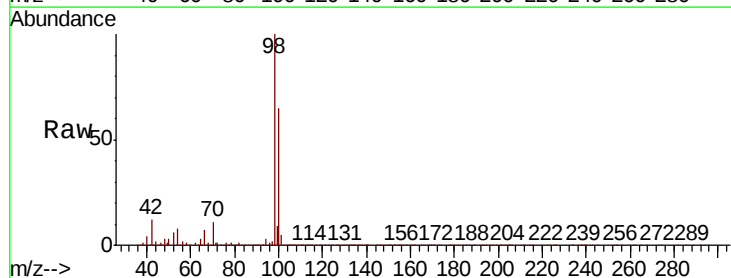
Acq: 24 Jan 2020 18:52

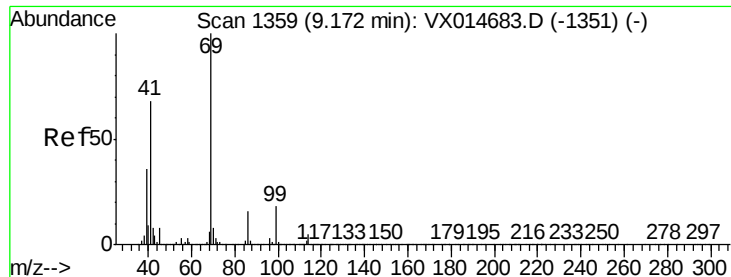
Tgt Ion: 98 Resp: 784782

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.6





#56

Ethyl methacrylate

Concen: 1.802 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.02 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

0049-DECANT-H2O-COMP-1

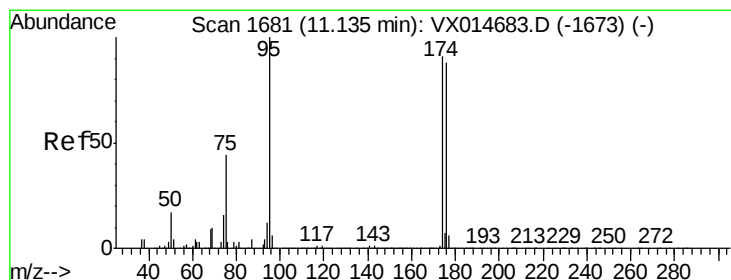
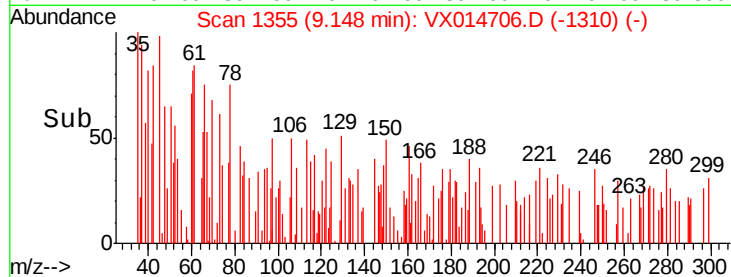
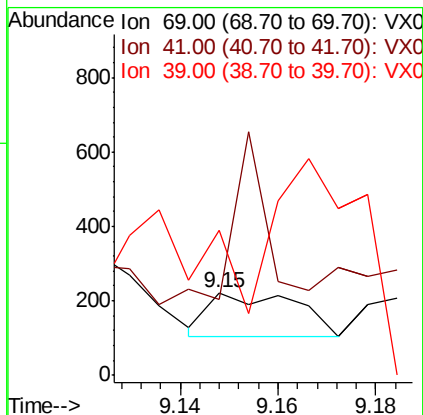
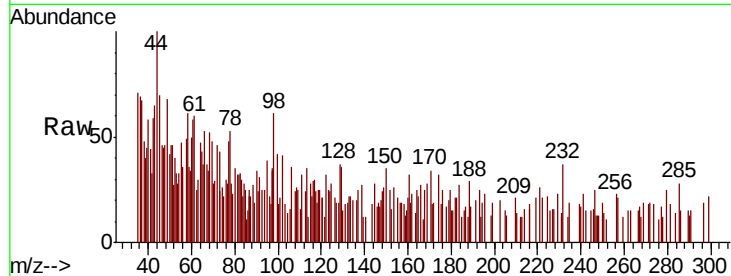
Tot Ion: 69 Resp: 143

Ion Ratio Lower Upper

69 100

41 156.6 54.9 82.3#

39 508.4 29.3 43.9#



#62

4-Bromofluorobenzene

Concen: 45.540 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

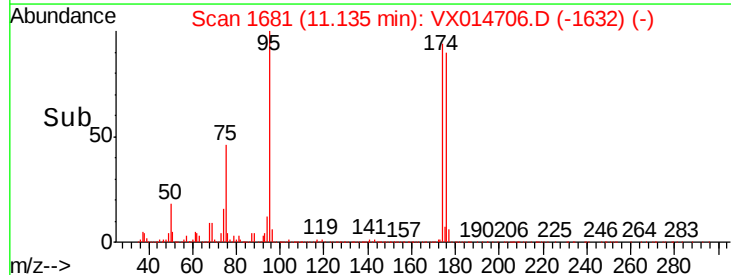
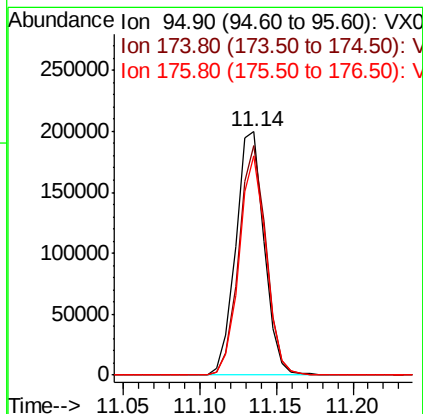
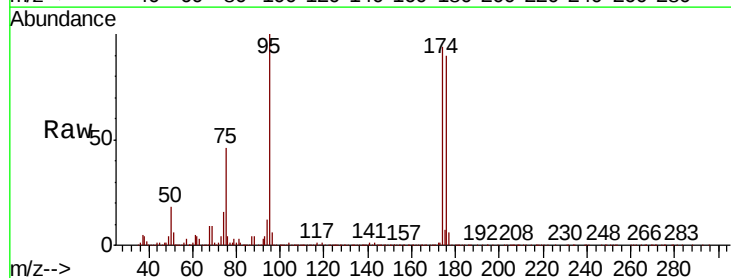
Tgt Ion: 95 Resp: 256837

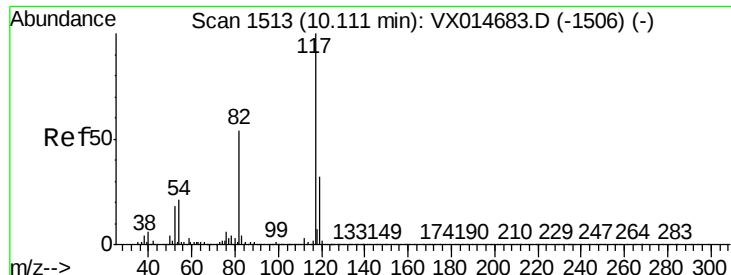
Ion Ratio Lower Upper

95 100

174 90.8 0.0 176.0

176 86.1 0.0 172.2

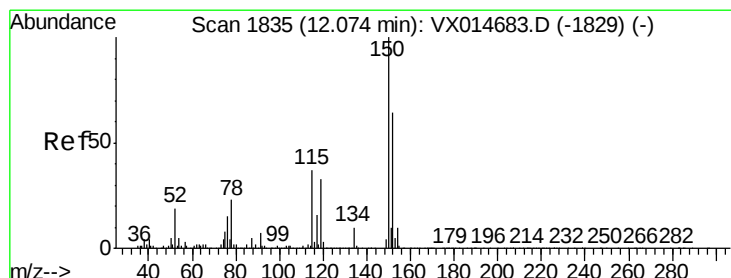
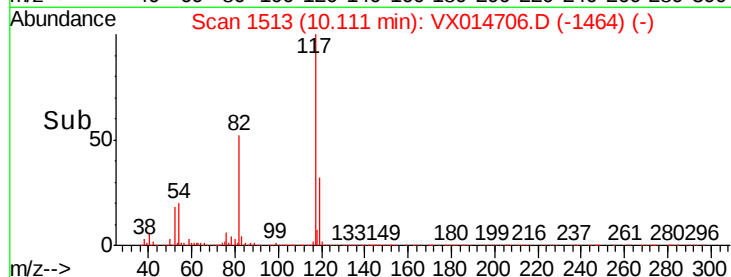
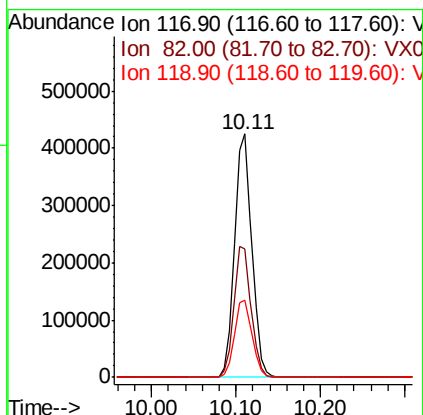
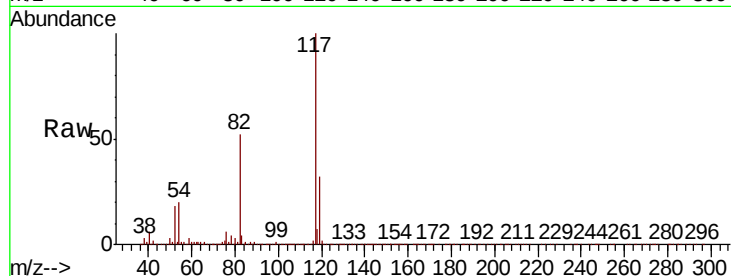




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014706.D
Acq: 24 Jan 2020 18:52

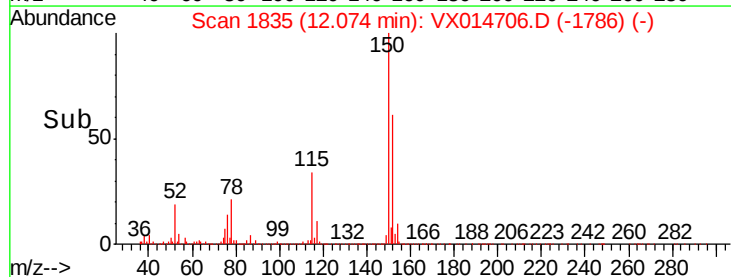
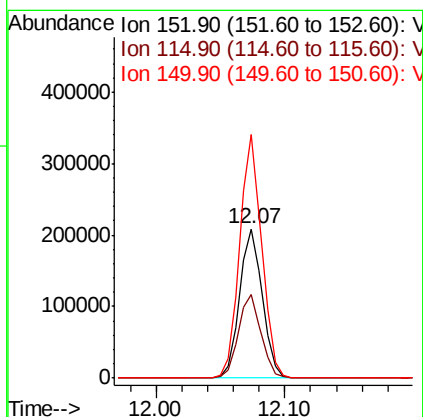
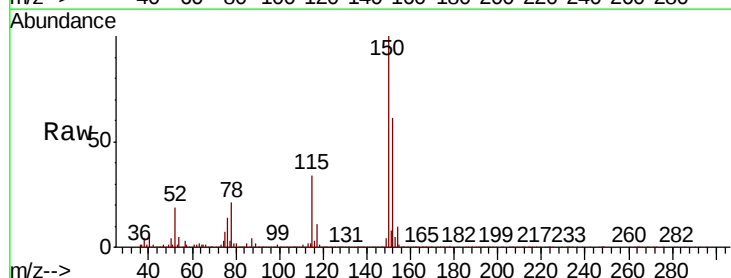
Instrument :
MSVOA_X
ClientSampleId :
0049-DECANT-H2O-COMP-1

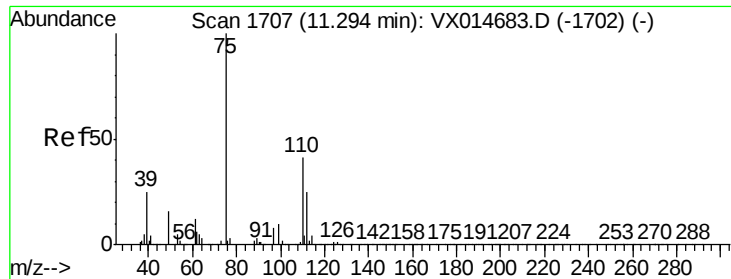
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.2	64.8
119	31.9	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014706.D
Acq: 24 Jan 2020 18:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.4	118.1
150	159.3	0.0	351.2





#76

1,2,3-Trichloropropane

Concen: 21.277 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

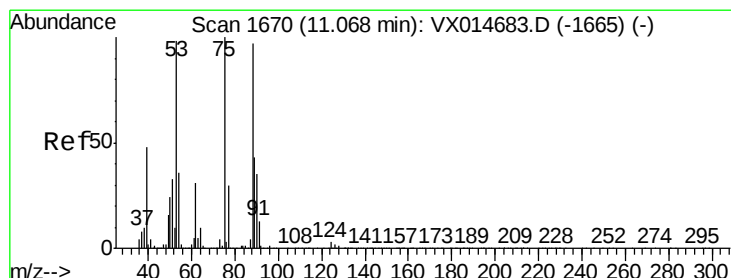
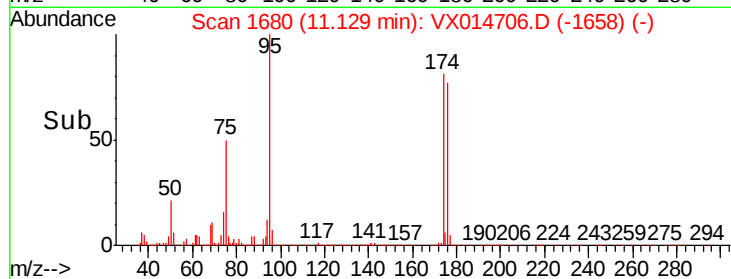
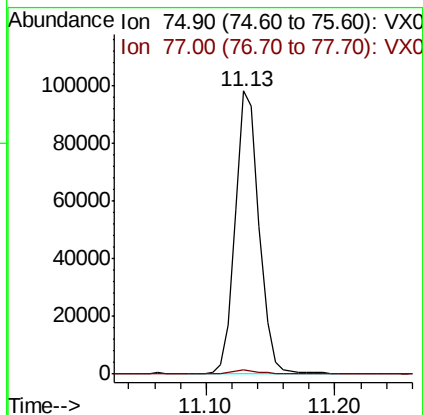
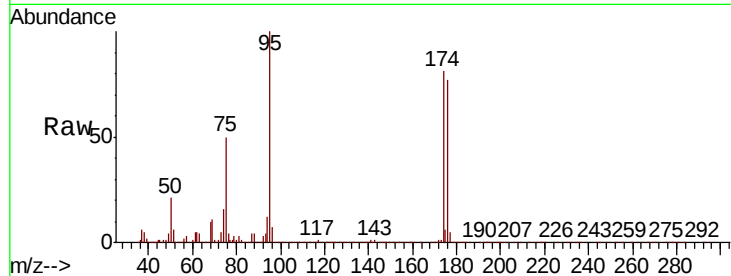
0049-DECANT-H2O-COMP-1

Tot Ion: 75 Resp: 125758

Ion Ratio Lower Upper

75 100

77 1.8 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.549 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

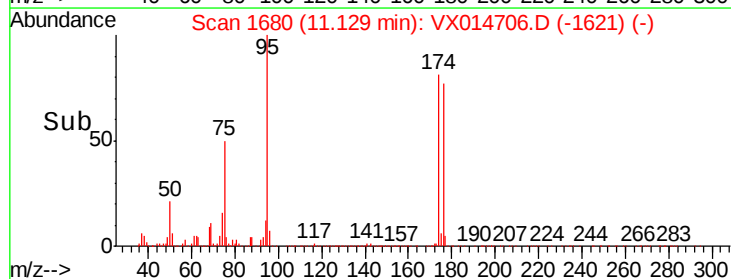
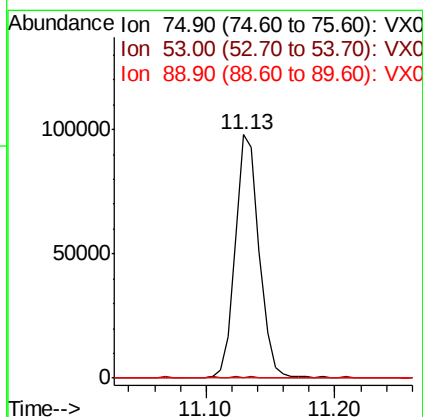
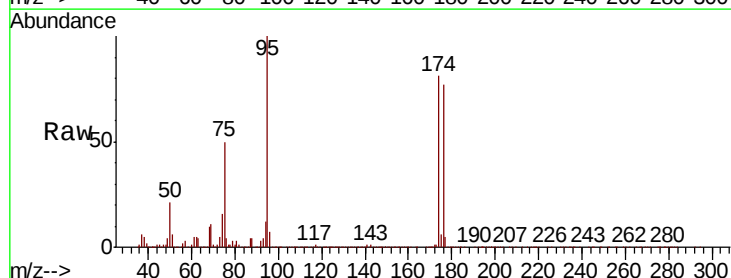
Tgt Ion: 75 Resp: 125758

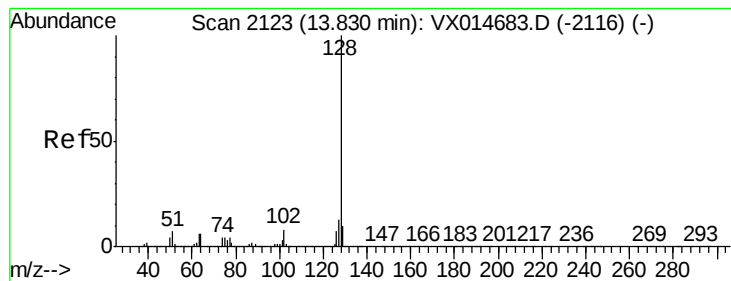
Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 1.045 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014706.D

Acq: 24 Jan 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

0049-DECANT-H2O-COMP-1

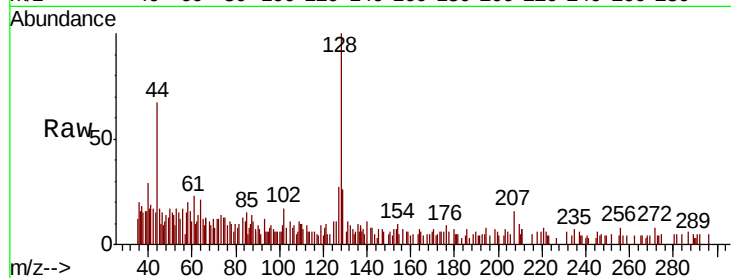
Tot Ion:128 Resp: 2062

Ion Ratio Lower Upper

128 100

127 24.0 10.3 15.5#

129 23.9 8.6 12.8#



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

