

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001007.D
 Acq On : 20 Apr 2018 14:36
 Operator : JC/MD
 Sample : J2387-05
 Misc : 5.05g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:33:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	325637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221745	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	146057	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.51	113	109286	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
50) Toluene-d8	8.72	98	454838	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.15	95	192647	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	

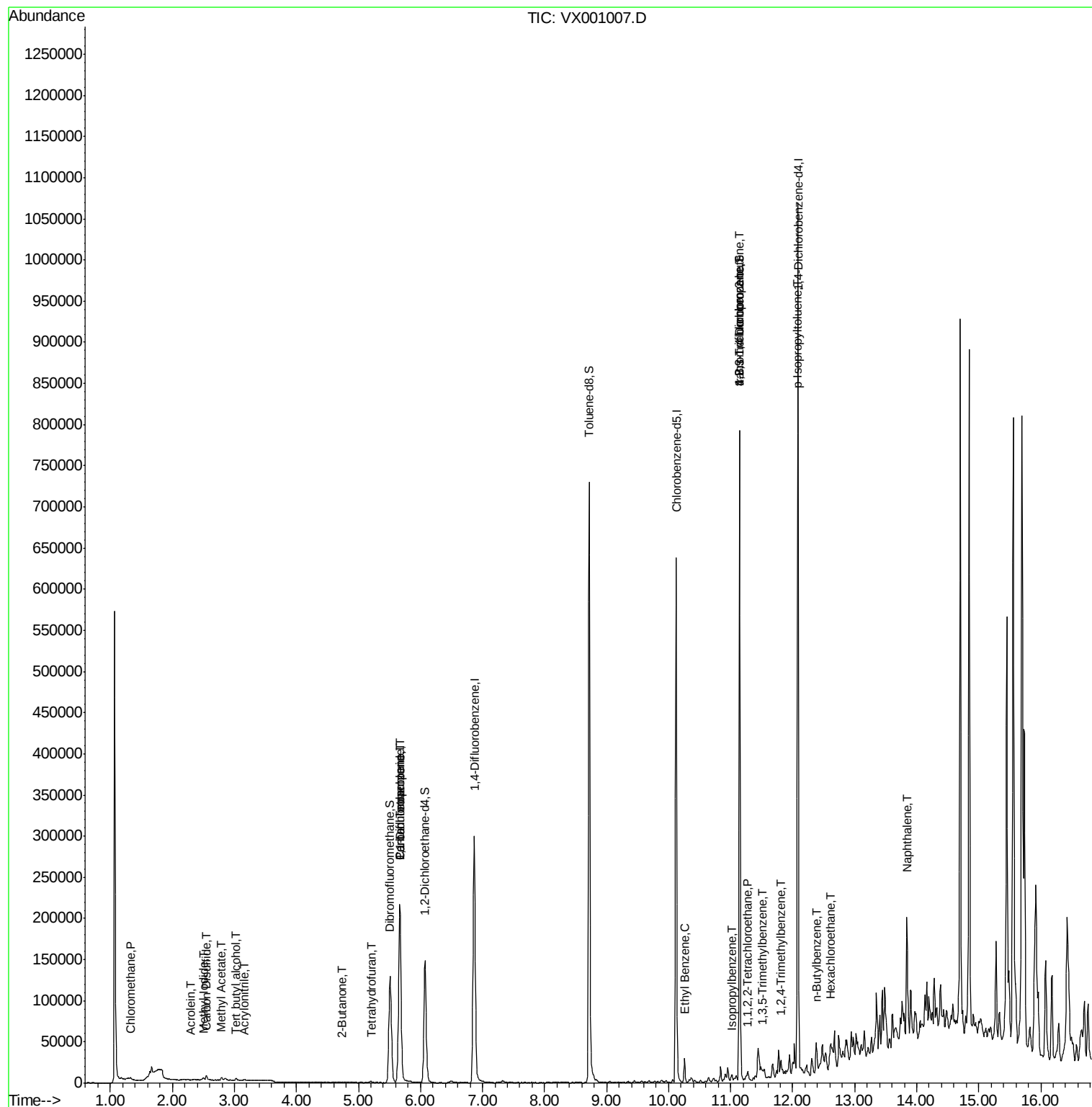
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	982	0.37	ug/l	92
5) Bromomethane	1.64	94	2113	Below Cal		98
10) Methyl Iodide	2.50	142	2961	8.64	ug/l	97
11) Tert butyl alcohol	3.03	59	1090	2.45	ug/l #	72
13) Acrolein	2.30	56	240	12.59	ug/l #	14
15) Acrylonitrile	3.16	53	246	0.20	ug/l #	23
17) Carbon Disulfide	2.55	76	7160	1.11	ug/l	97
18) Methyl Acetate	2.79	43	4612	1.37	ug/l	100
20) Methylene Chloride	2.85	84	774	Below Cal	#	79
25) 2-Butanone	4.74	43	1154	0.67	ug/l #	50
29) Tetrahydrofuran	5.20	42	1424	1.30	ug/l #	72
36) 1,1-Dichloropropene	5.67	75	14337	3.75	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19744	5.10	ug/l #	16
67) Ethyl Benzene	10.26	91	16668	1.21	ug/l	97
73) Isopropylbenzene	11.02	105	3088	0.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1252	0.31	ug/l #	34
76) 1,2,3-Trichloropropane	11.15	75	96735	25.14	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	3233	0.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.15	75	96735	75.40	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.81	105	5394	0.43	ug/l	95
86) p-Isopropyltoluene	12.07	119	8605	0.63	ug/l	90
89) n-Butylbenzene	12.39	91	4685	0.38	ug/l #	42
90) Hexachloroethane	12.61	117	1578	0.81	ug/l #	1
95) Naphthalene	13.84	128	93830	5.96	ug/l	99

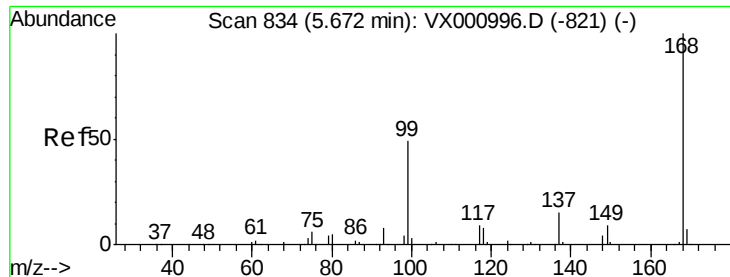
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
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Misc : 5.05g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 21 05:33:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

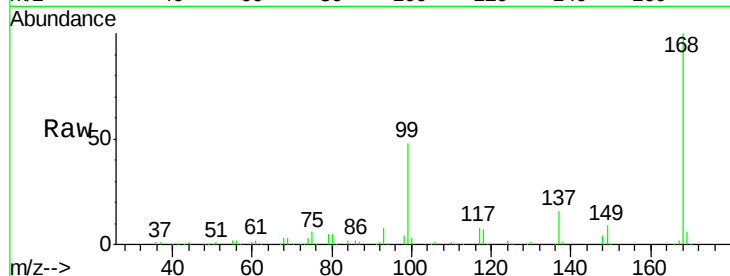
ClientSampleId :

Tot Ion:168 Resp: 232326

Ion Ratio Lower Upper

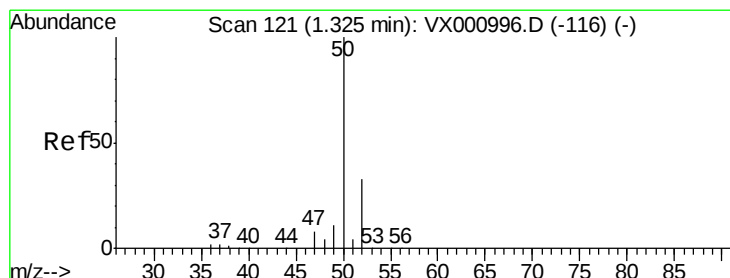
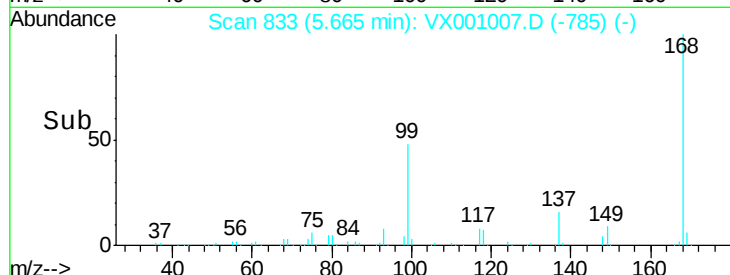
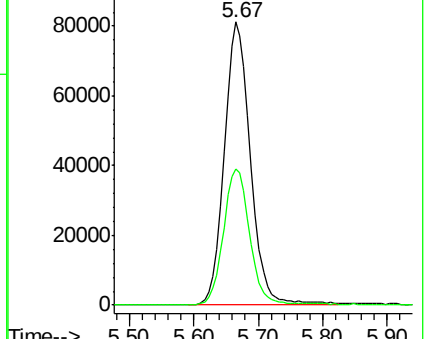
168 100

99 48.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001007.D

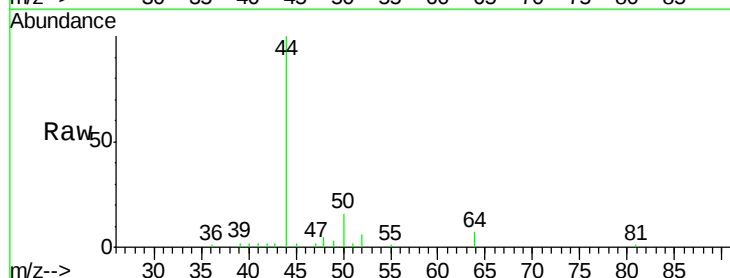
Acq: 20 Apr 2018 14:36

Tgt Ion: 50 Resp: 982

Ion Ratio Lower Upper

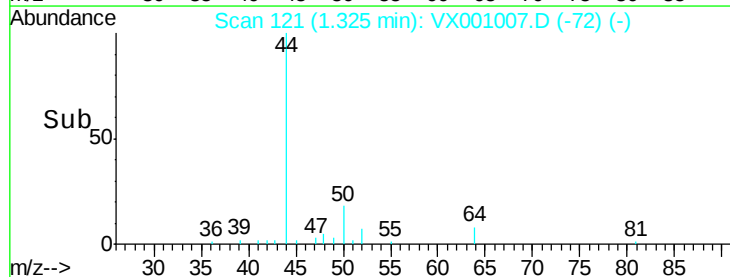
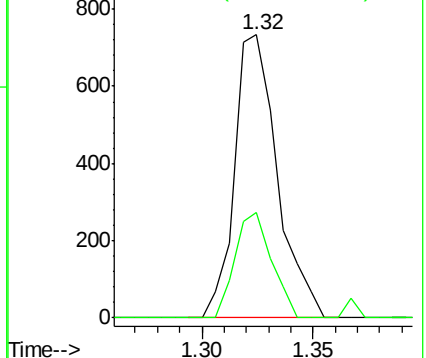
50 100

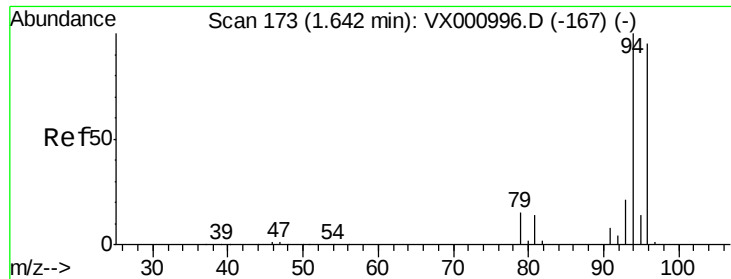
52 37.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

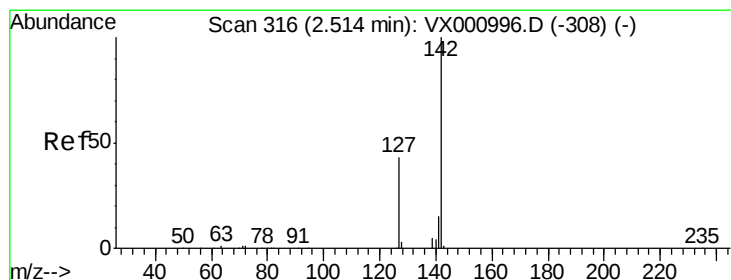
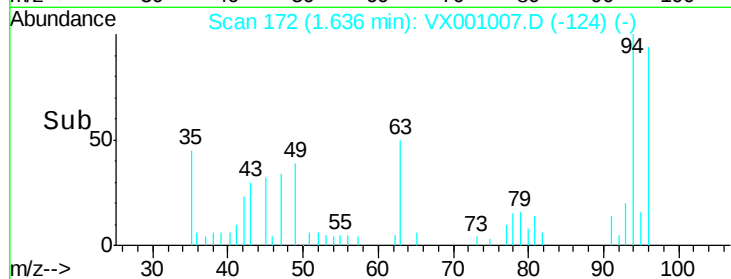
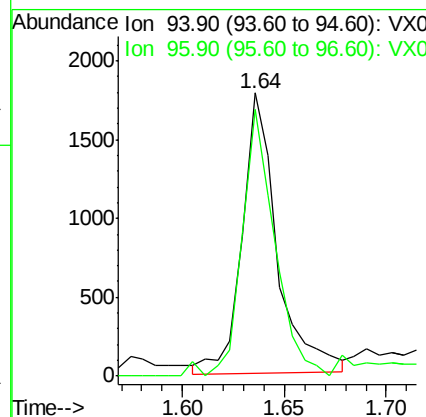
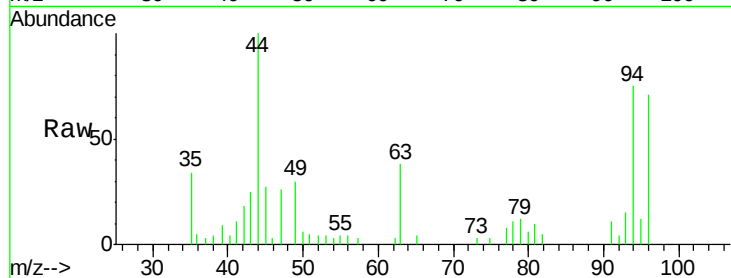
ClientSampleId :

Tot Ion: 94 Resp: 2113

Ion Ratio Lower Upper

94 100

96 92.6 76.0 114.0



#10

Methyl Iodide

Concen: 8.64 ug/l

RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

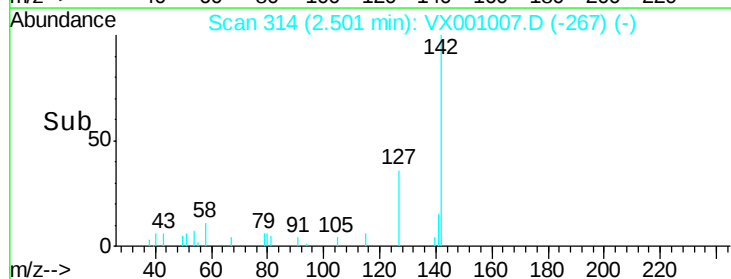
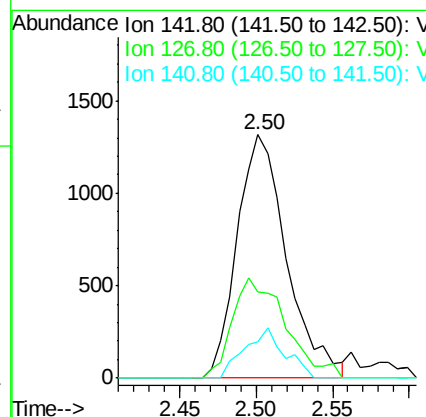
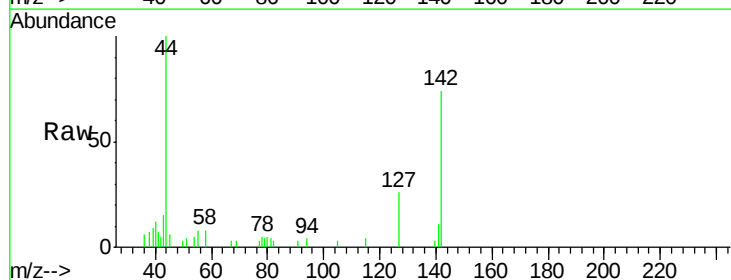
Tgt Ion: 142 Resp: 2961

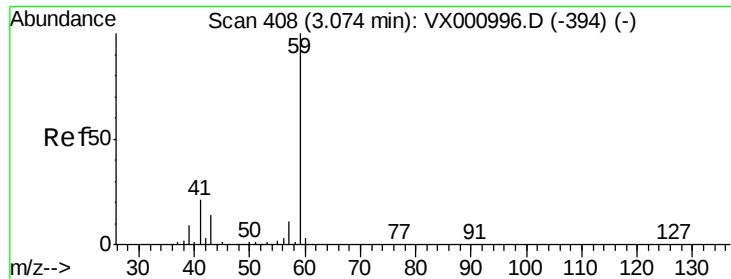
Ion Ratio Lower Upper

142 100

127 44.2 34.0 51.0

141 16.4 11.4 17.2

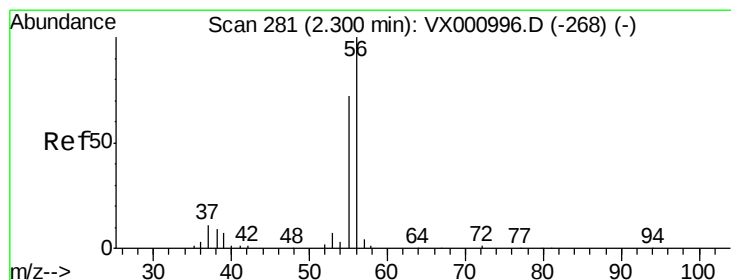
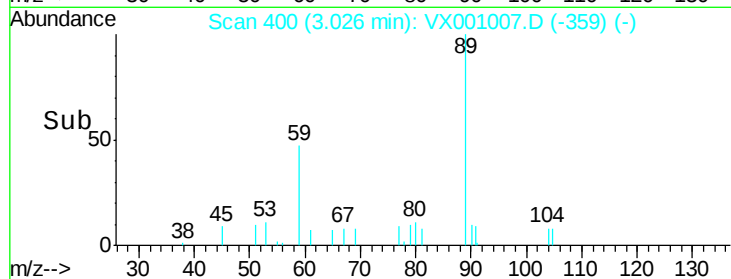
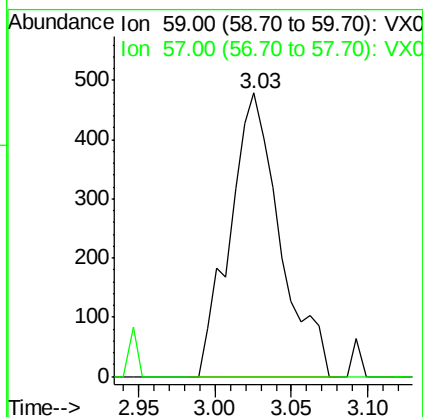
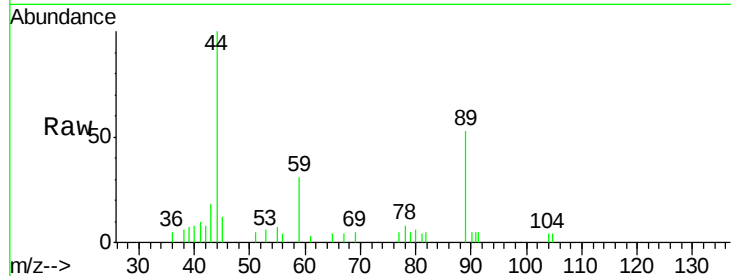




#11
Tert butyl alcohol
Concen: 2.45 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

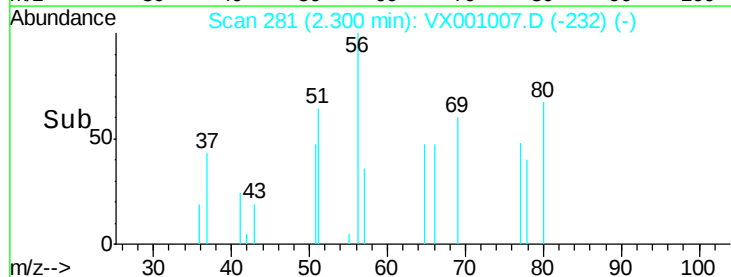
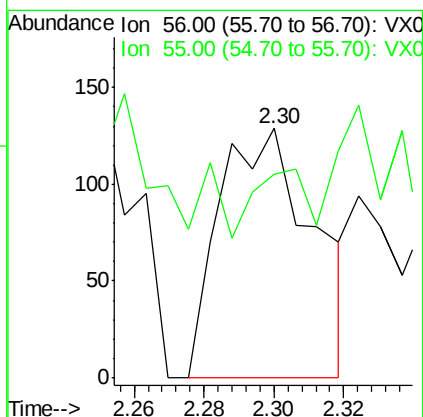
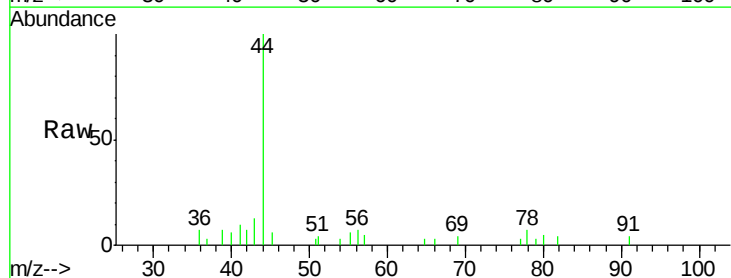
Instrument :
MSVOA_X
ClientSampled :

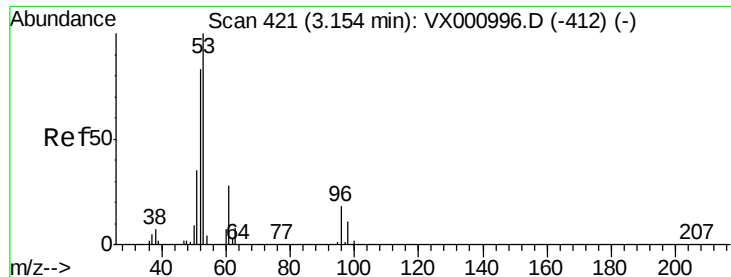
Tot Ion: 59 Resp: 1090
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 12.59 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#





#15

Acrylonitrile

Concen: 0.20 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :
MSVOA_X
ClientSampled :

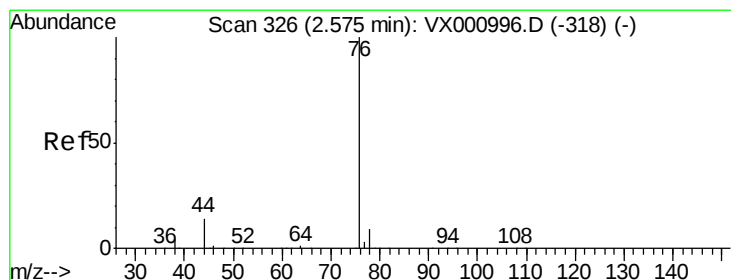
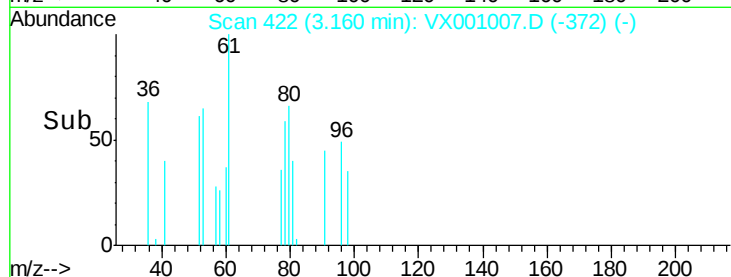
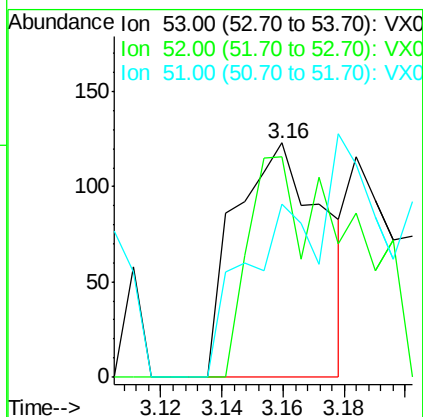
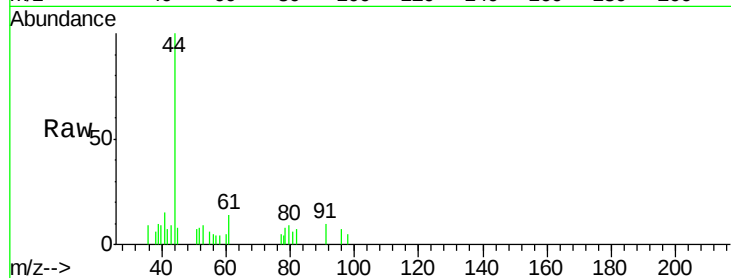
Tot Ion: 53 Resp: 246

Ion Ratio Lower Upper

53 100

52 53.3 66.4 99.6#

51 140.7 29.0 43.6#



#17

Carbon Disulfide

Concen: 1.11 ug/l

RT: 2.55 min Scan# 322

Delta R.T. -0.02 min

Lab File: VX001007.D

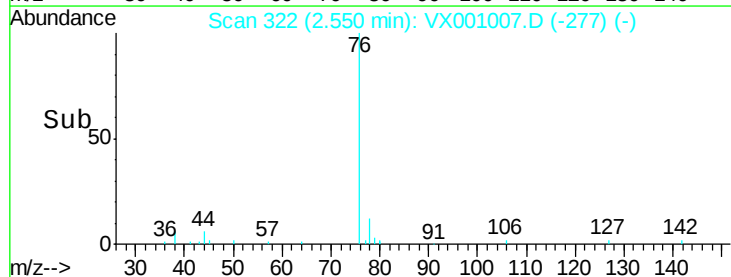
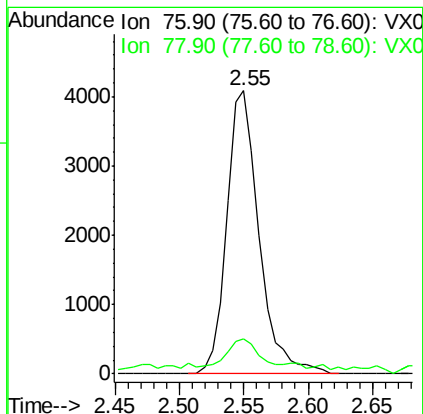
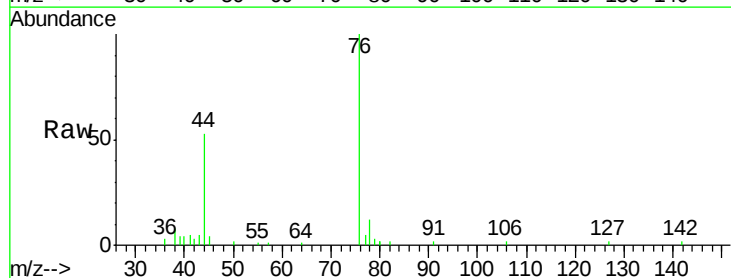
Acq: 20 Apr 2018 14:36

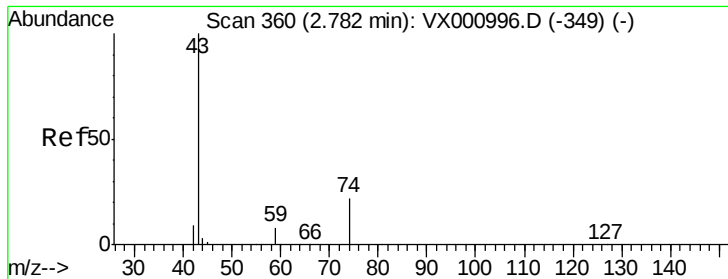
Tgt Ion: 76 Resp: 7160

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

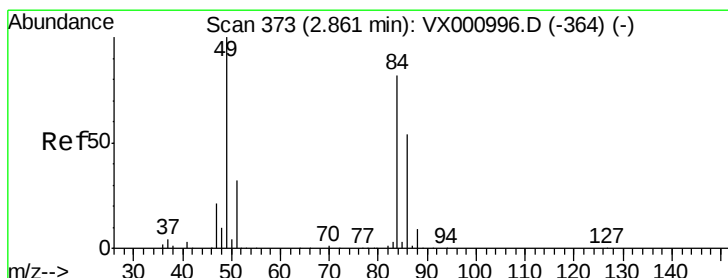
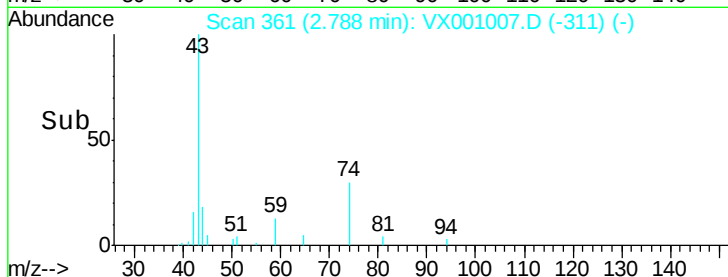
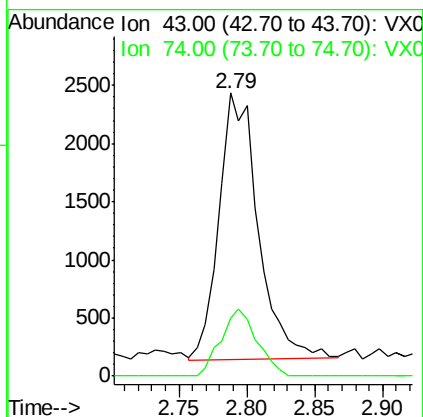
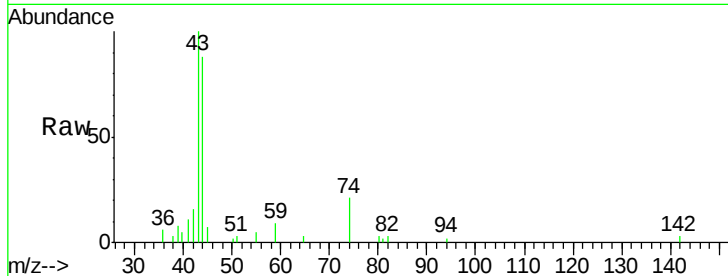




#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

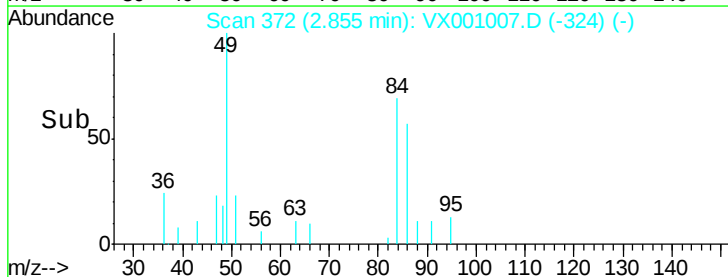
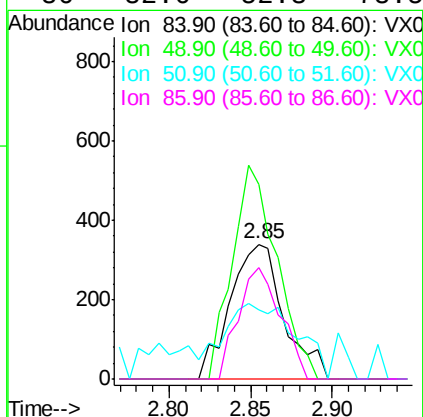
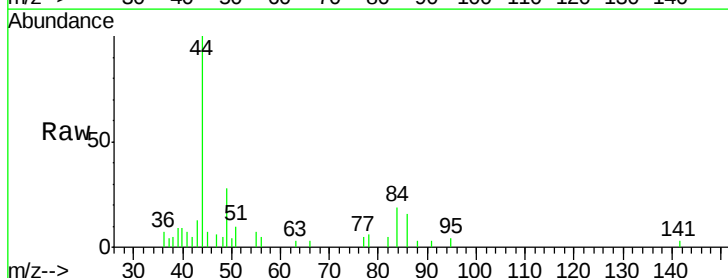
Instrument :
MSVOA_X
ClientSampled :

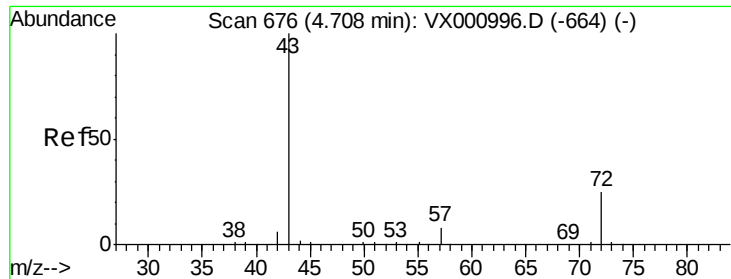
Tot Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
74 23.1 18.3 27.5



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

Tgt Ion: 84 Resp: 774
Ion Ratio Lower Upper
84 100
49 144.5 97.1 145.7
51 26.8 30.8 46.2#
86 82.6 52.3 78.5#





#25

2-Butanone

Concen: 0.67 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.03 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

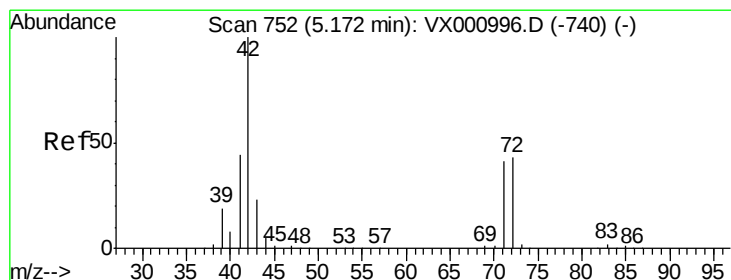
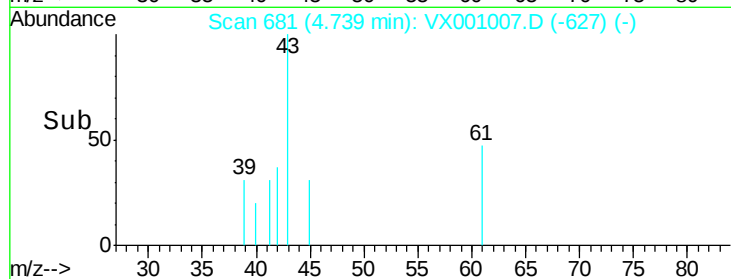
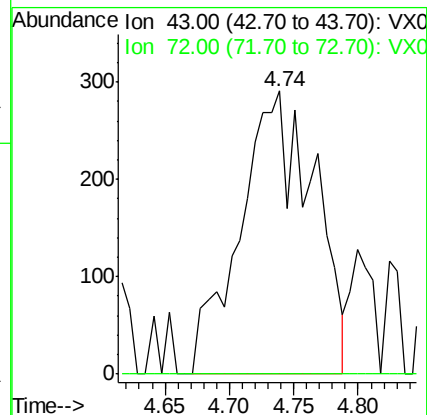
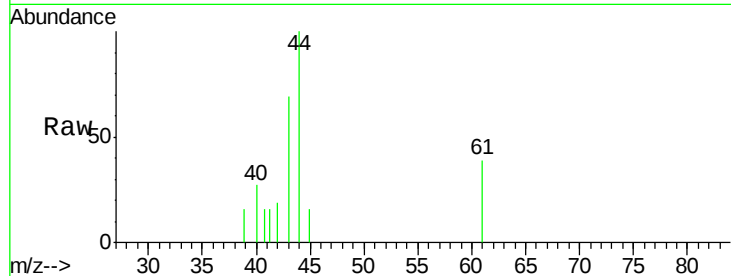
ClientSampled :

Tot Ion: 43 Resp: 1154

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#29

Tetrahydrofuran

Concen: 1.30 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

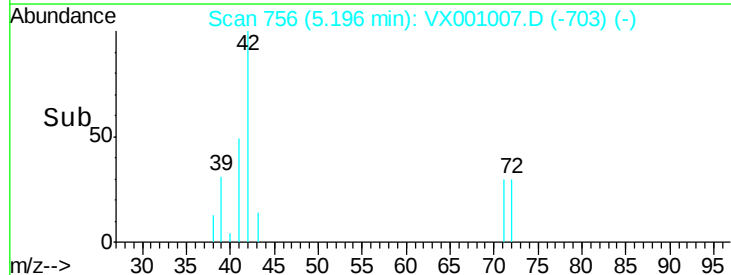
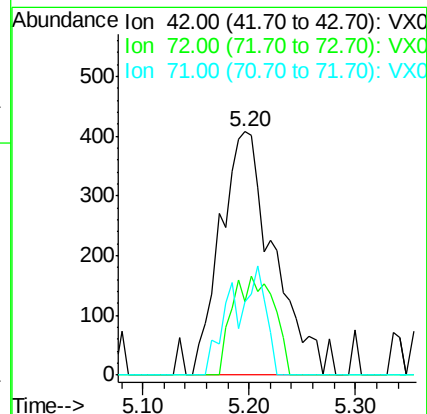
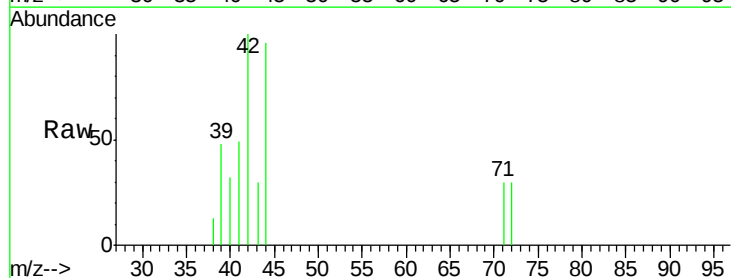
Tgt Ion: 42 Resp: 1424

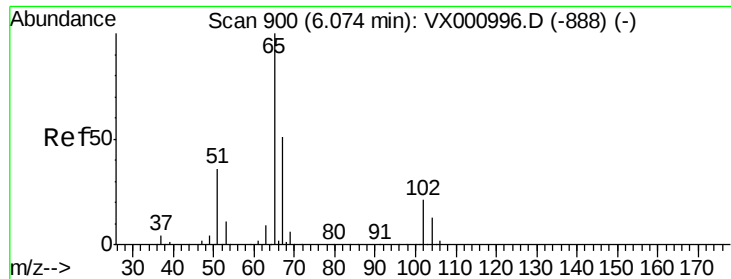
Ion Ratio Lower Upper

42 100

72 31.9 34.6 52.0#

71 16.4 32.6 49.0#





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

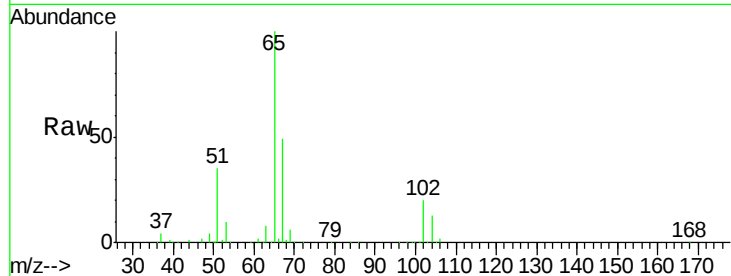
ClientSampleId :

Tot Ion: 65 Resp: 146057

Ion Ratio Lower Upper

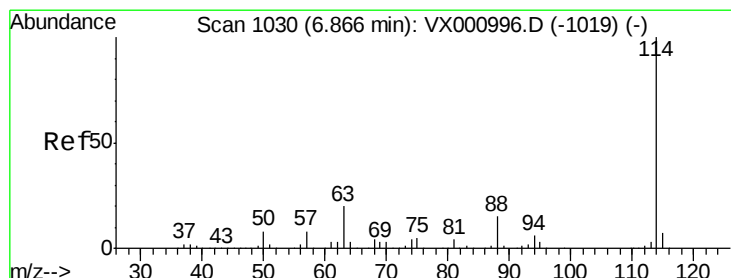
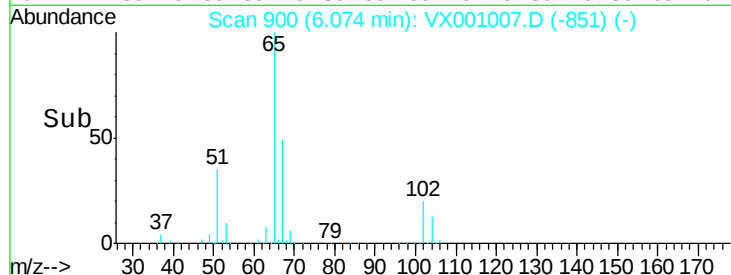
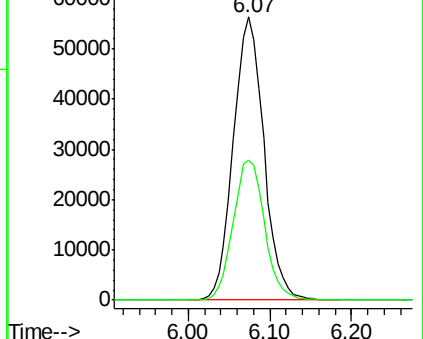
65 100

67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

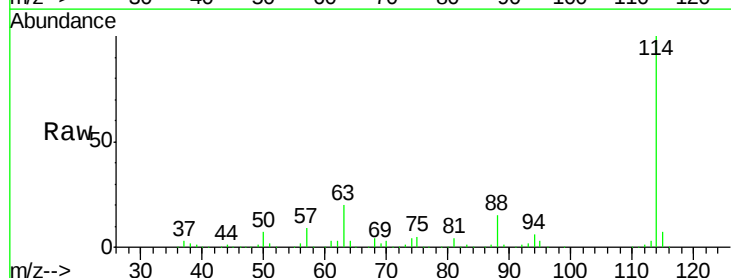
Tgt Ion: 114 Resp: 325637

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

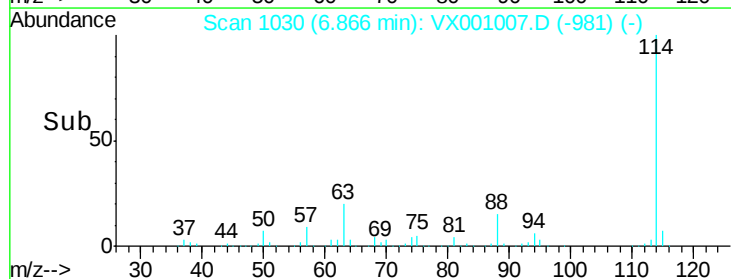
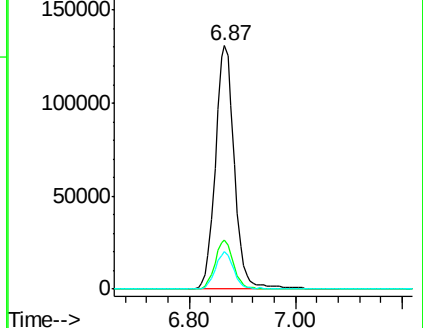
88 15.5 0.0 29.8

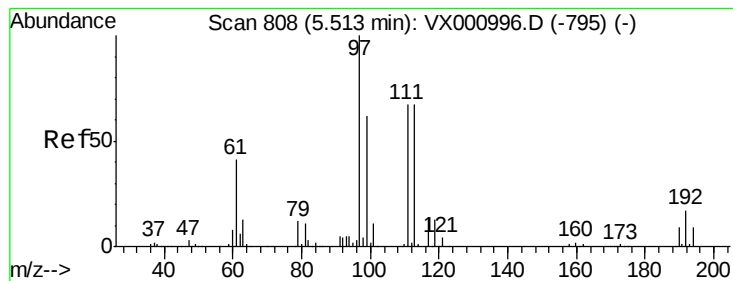


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.01 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

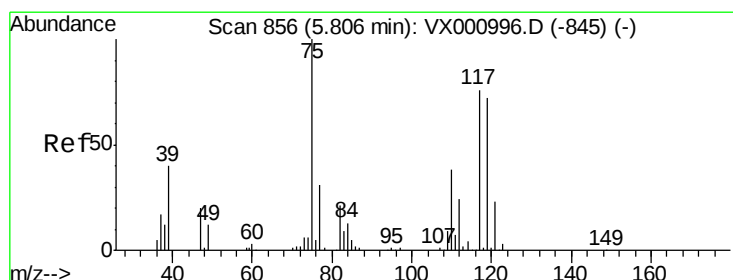
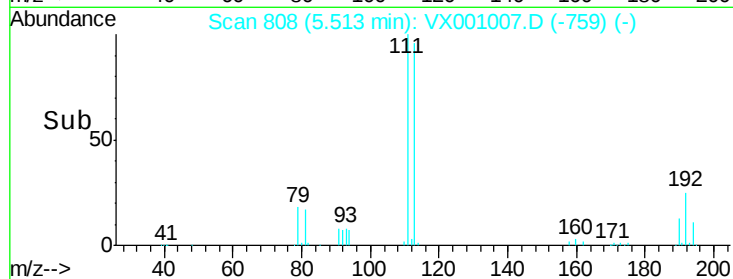
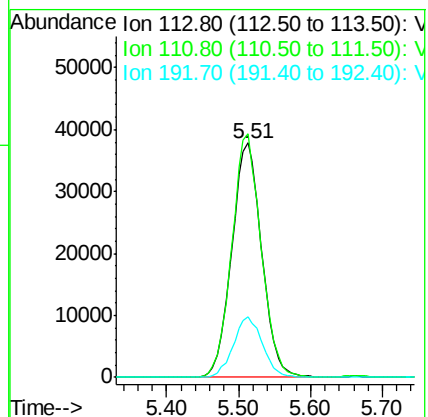
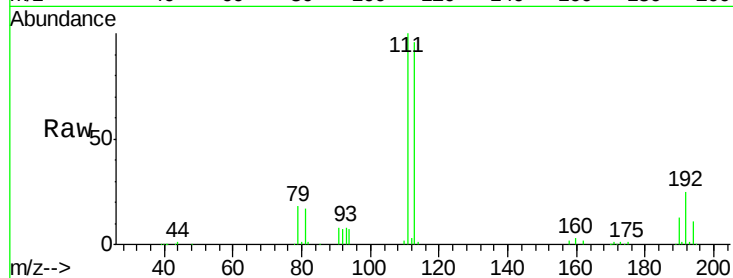
Tot Ion:113 Resp: 109286

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

192 25.2 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

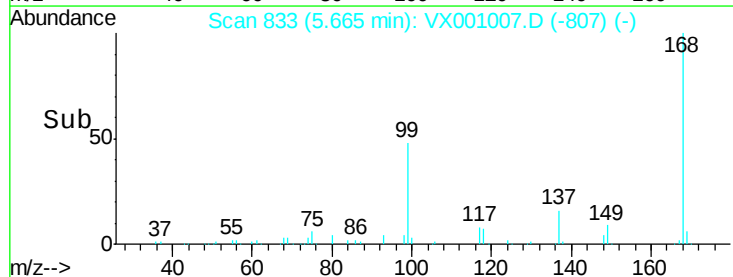
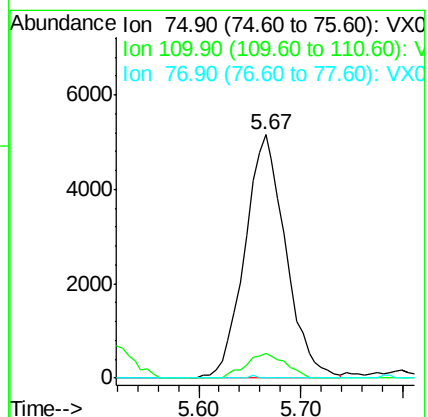
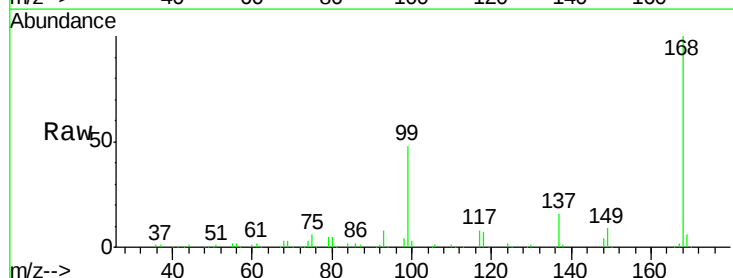
Tgt Ion: 75 Resp: 14337

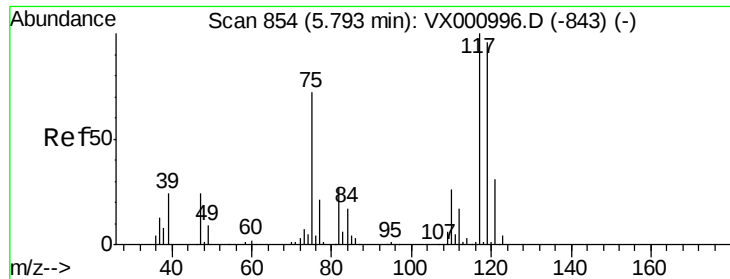
Ion Ratio Lower Upper

75 100

110 9.8 18.7 56.1#

77 0.1 25.0 37.4#

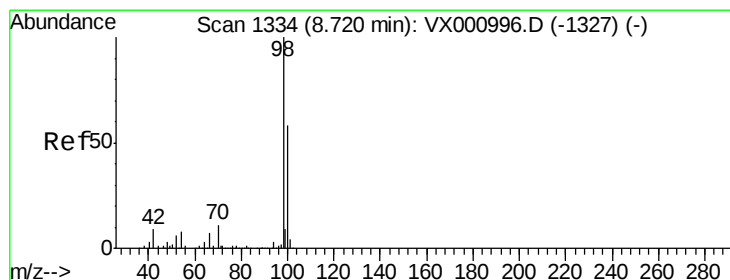
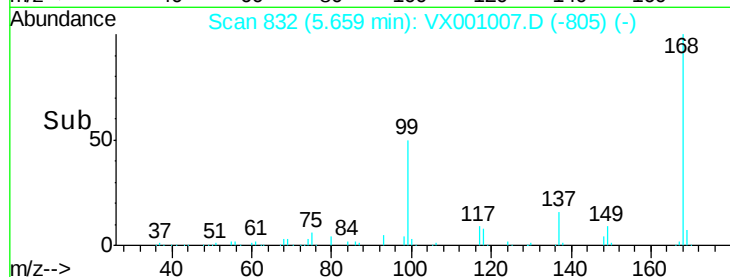
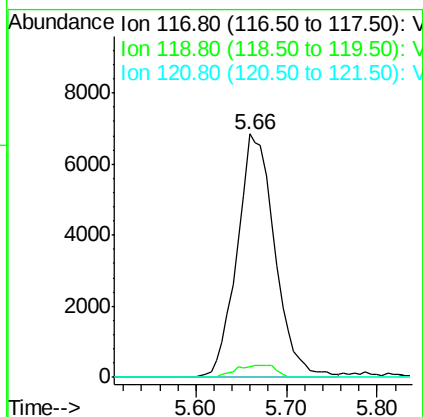
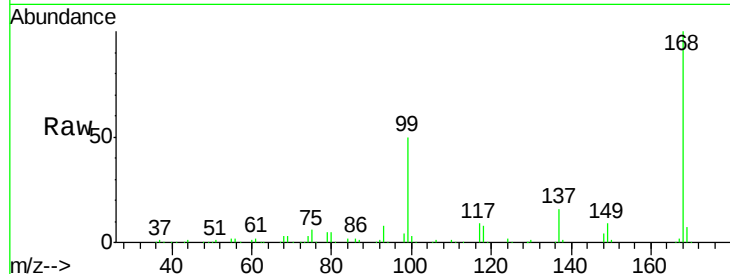




#38
Carbon Tetrachloride
Concen: 5.10 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

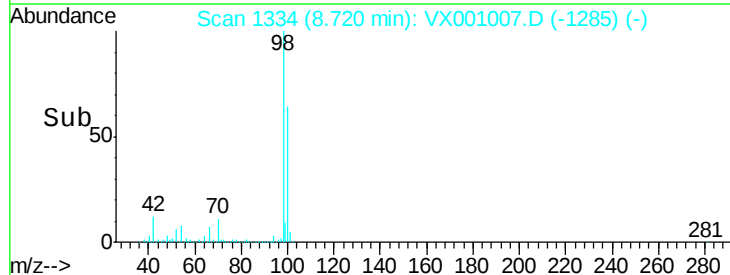
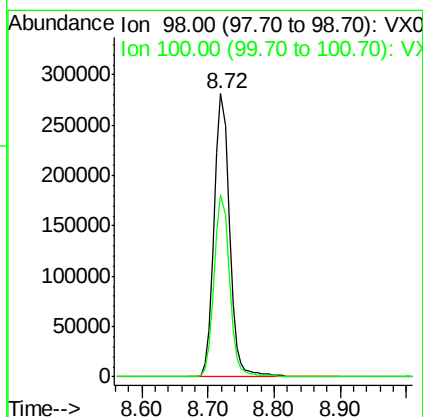
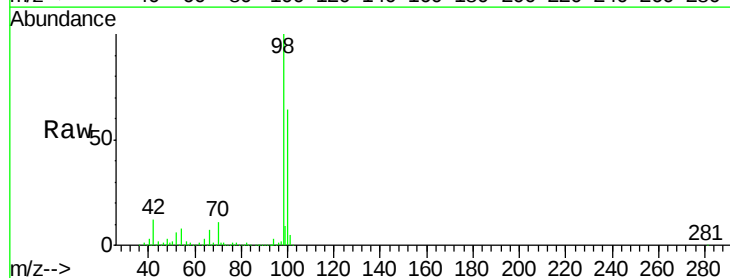
Instrument :
MSVOA_X
ClientSampled :

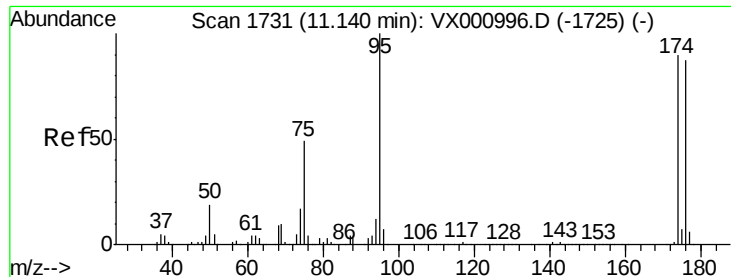
Tot Ion:117 Resp: 19744
Ion Ratio Lower Upper
117 100
119 4.6 76.5 114.7#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.54 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

Tgt Ion: 98 Resp: 454838
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 50.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

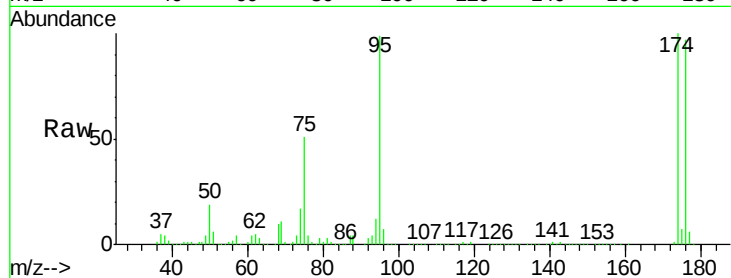
Tot Ion: 95 Resp: 192647

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

176 94.8 0.0 192.0



Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)

11.15

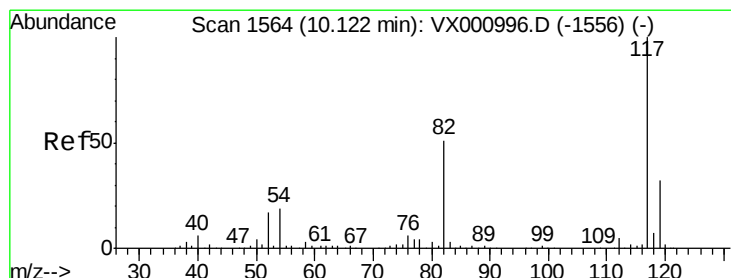
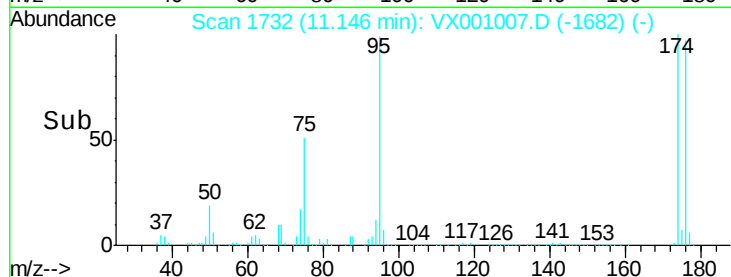
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

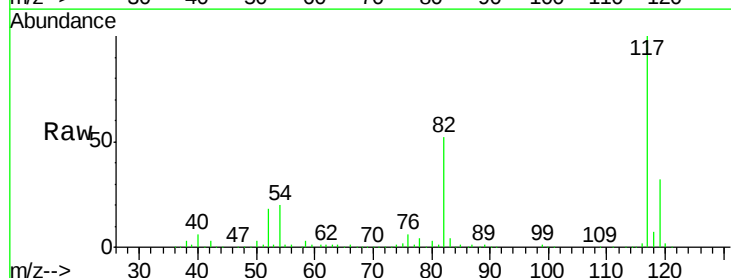
Tgt Ion: 117 Resp: 312708

Ion Ratio Lower Upper

117 100

82 52.2 40.6 60.8

119 32.2 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)

10.12

300000

250000

200000

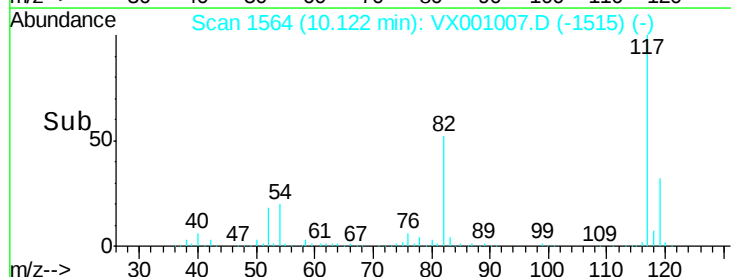
150000

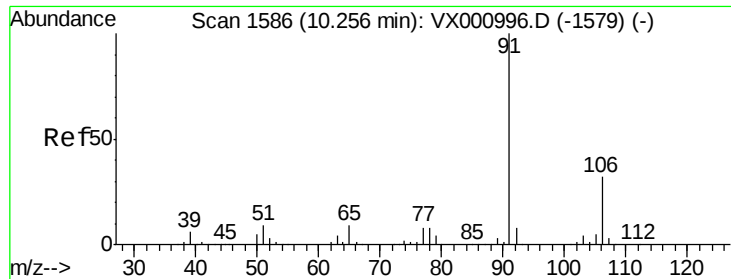
100000

50000

0

Time-->

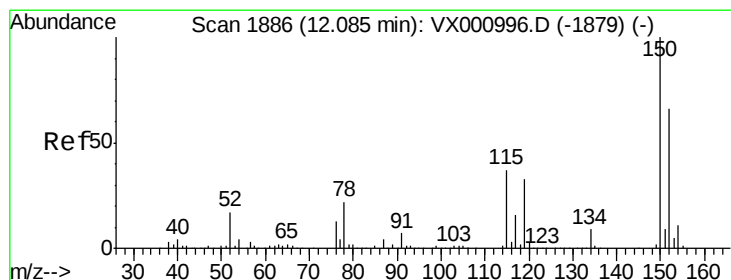
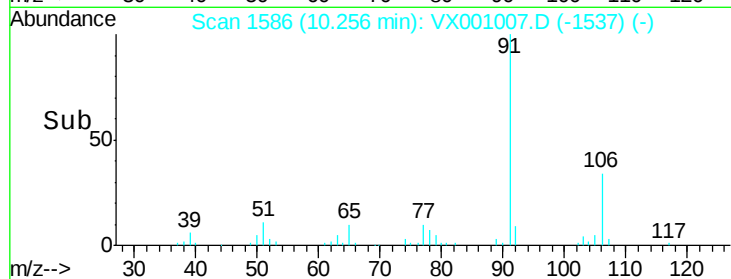
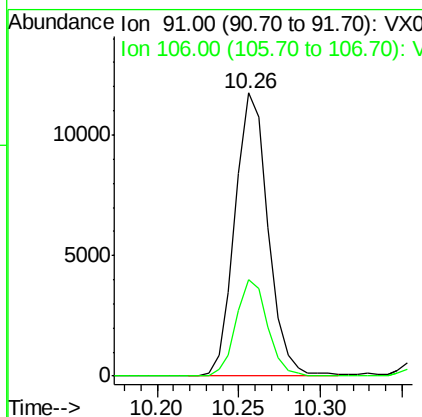
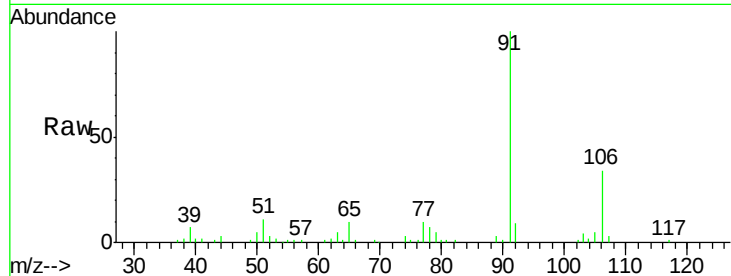




#67
Ethyl Benzene
Concen: 1.21 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

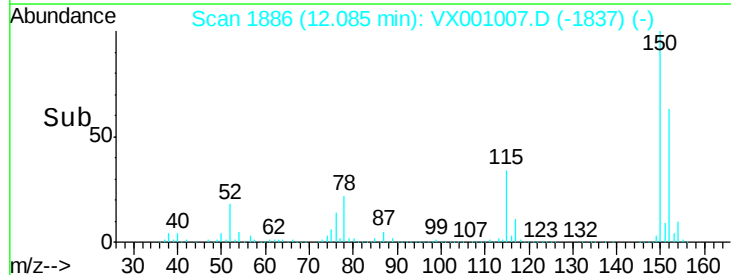
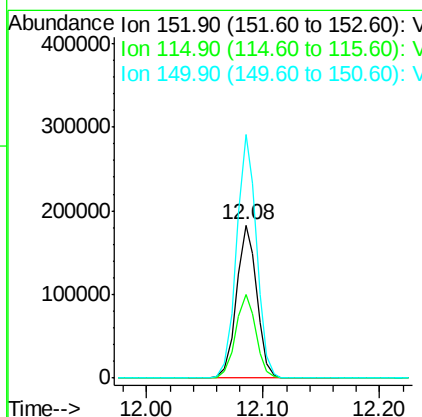
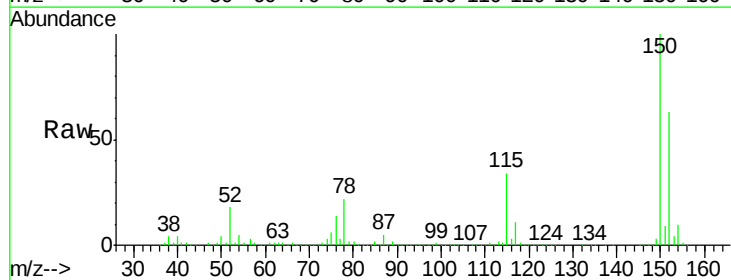
Instrument :
MSVOA_X
ClientSampled :

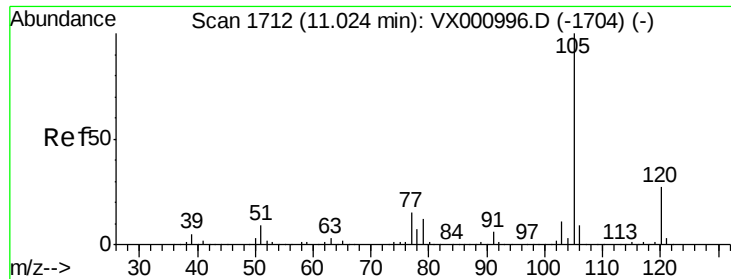
Tot Ion: 91 Resp: 16668
Ion Ratio Lower Upper
91 100
106 34.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

Tgt Ion: 152 Resp: 221745
Ion Ratio Lower Upper
152 100
115 54.6 38.2 114.6
150 157.0 0.0 350.4





#73

Isopropylbenzene

Concen: 0.21 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

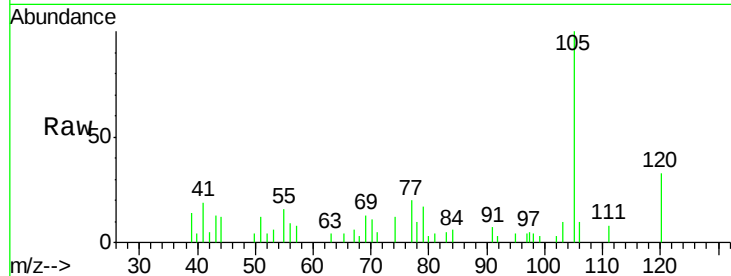
ClientSampled :

Tot Ion:105 Resp: 3088

Ion Ratio Lower Upper

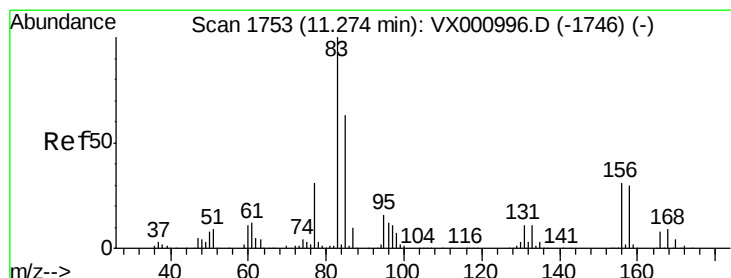
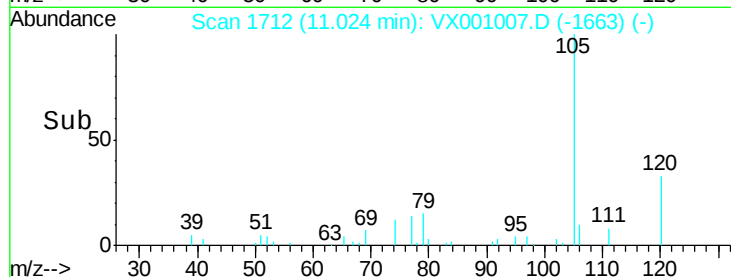
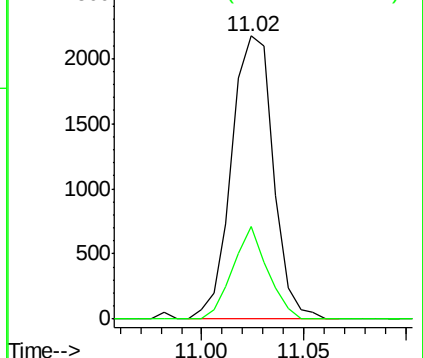
105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.31 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

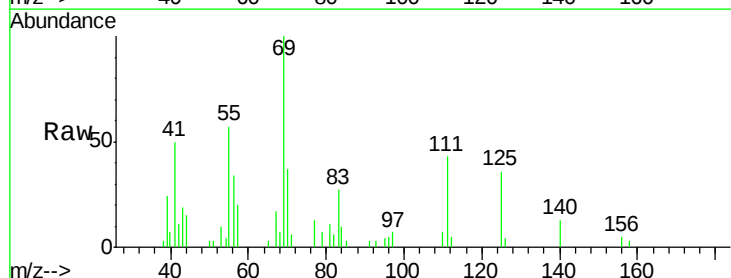
Tgt Ion: 83 Resp: 1252

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

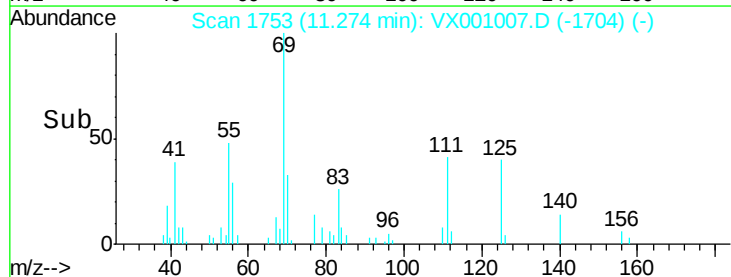
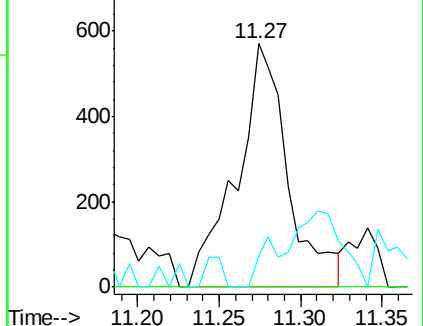
85 7.7 32.0 96.2#

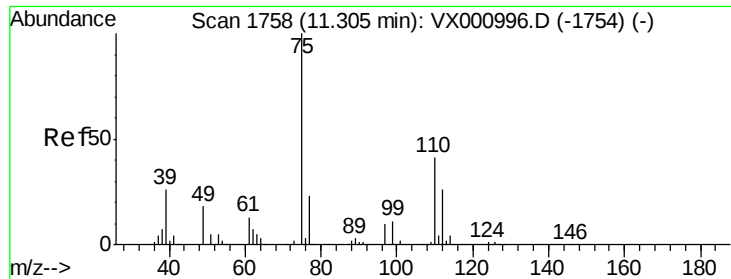


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

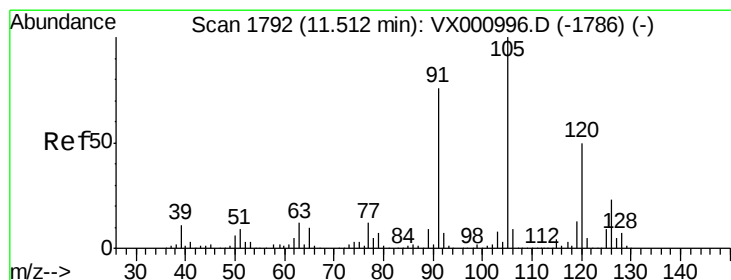
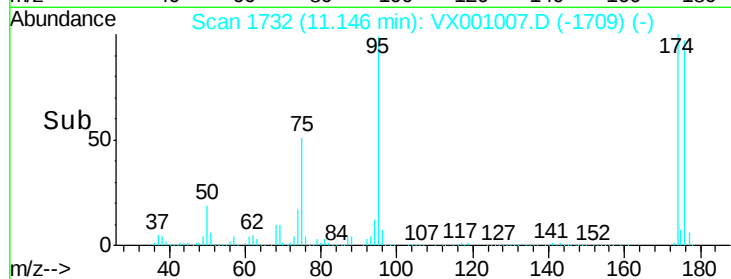
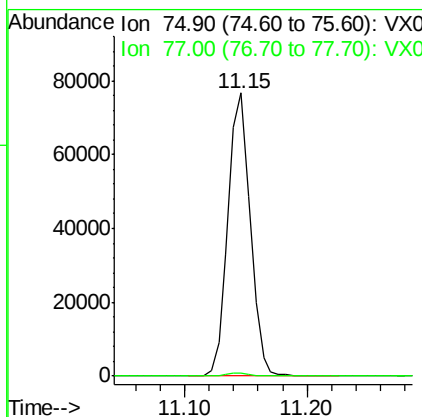
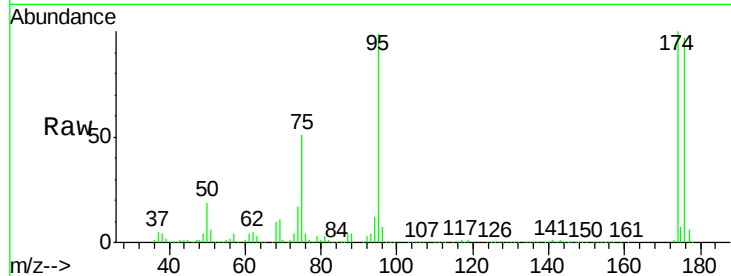




#76
 1,2,3-Trichloropropane
 Concen: 25.14 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX001007.D
 Acq: 20 Apr 2018 14:36

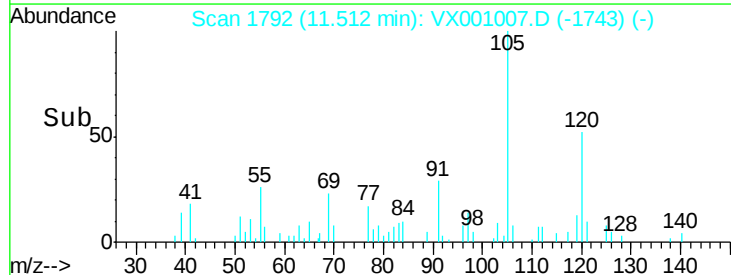
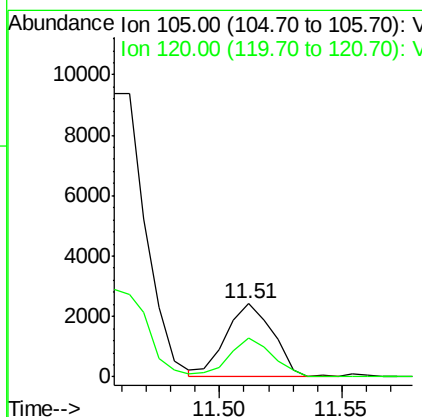
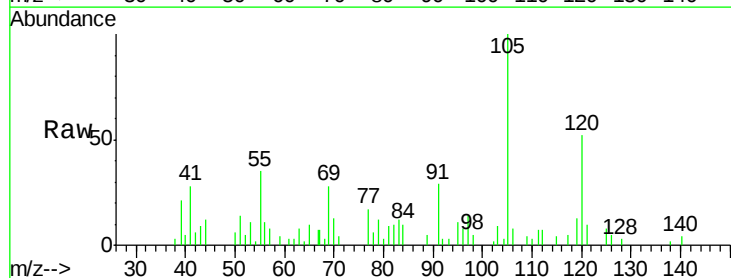
Instrument :
 MSVOA_X
 ClientSampleId :

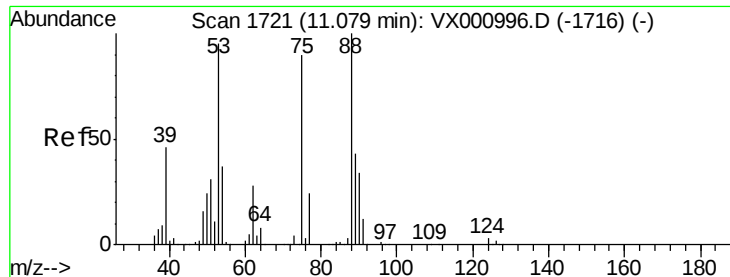
Tot Ion: 75 Resp: 96735
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001007.D
 Acq: 20 Apr 2018 14:36

Tgt Ion: 105 Resp: 3233
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.40 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

ClientSampleId :

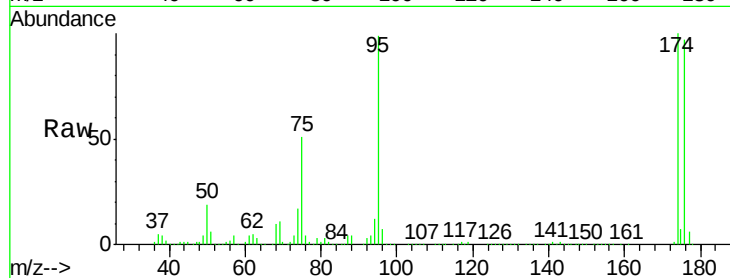
Tot Ion: 75 Resp: 96735

Ion Ratio Lower Upper

75 100

53 0.4 83.4 125.2#

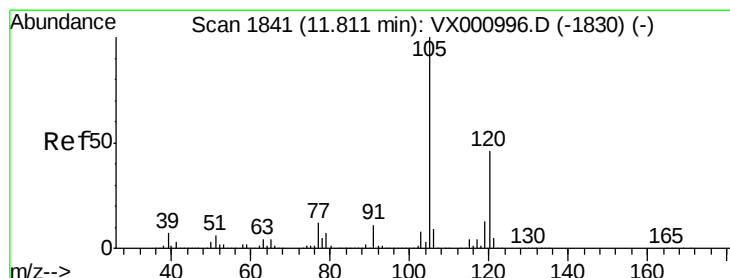
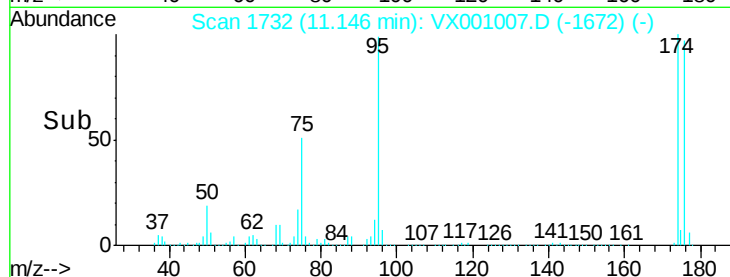
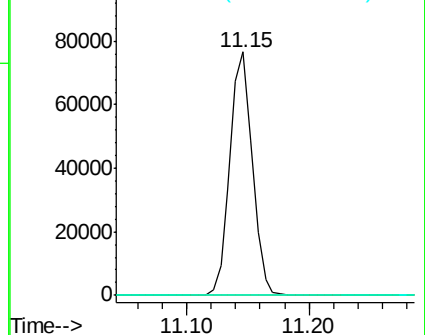
89 0.0 39.7 59.5#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.43 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001007.D

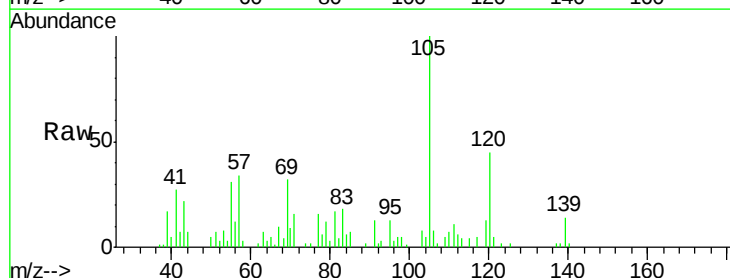
Acq: 20 Apr 2018 14:36

Tgt Ion: 105 Resp: 5394

Ion Ratio Lower Upper

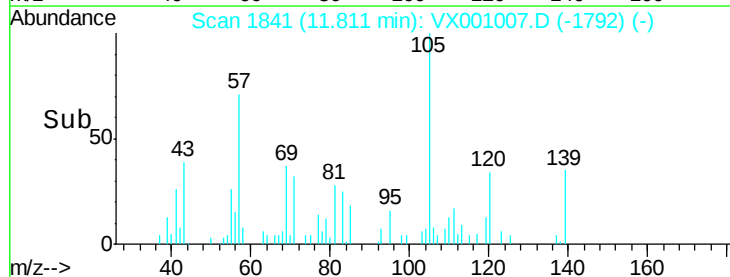
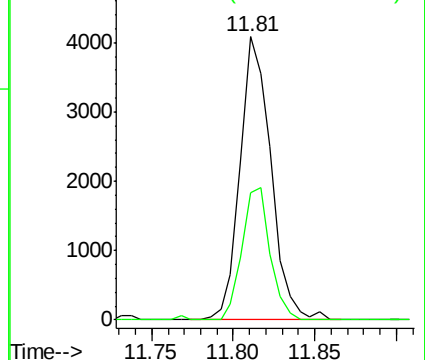
105 100

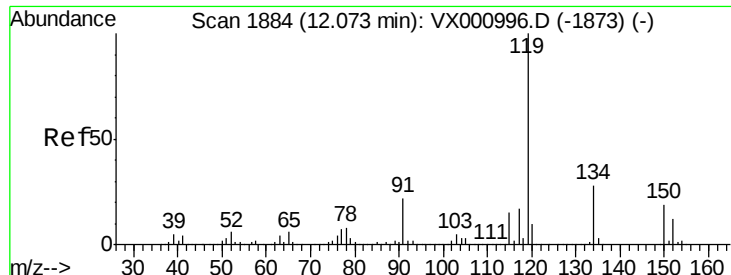
120 42.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

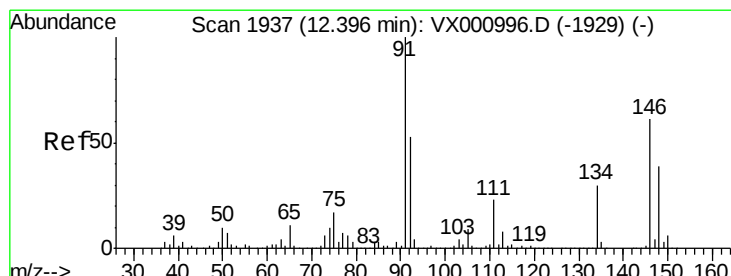
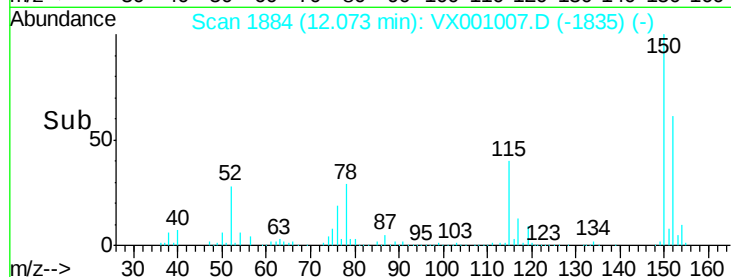
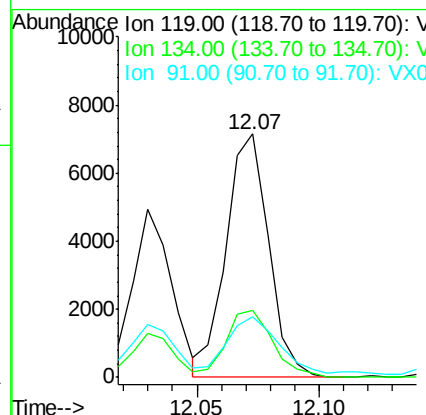
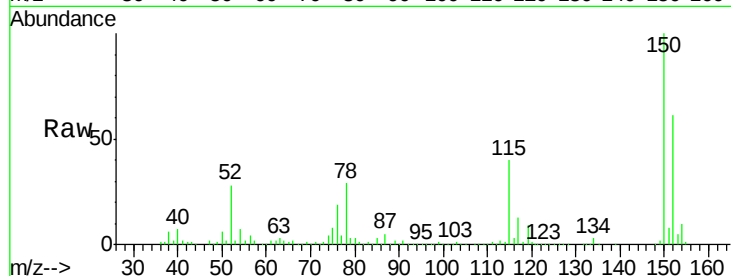




#86
p-Isopropyltoluene
Concen: 0.63 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

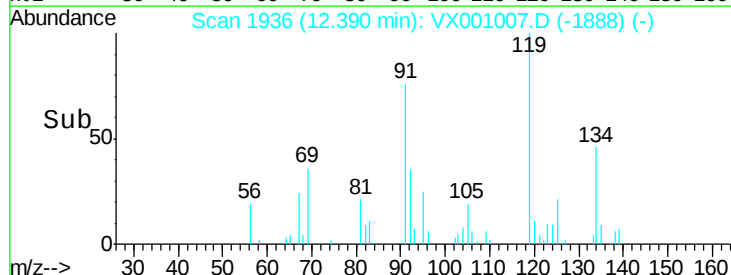
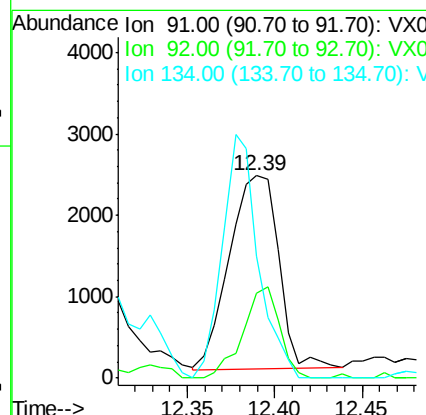
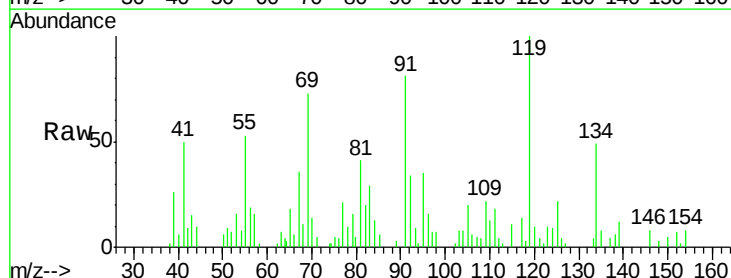
Instrument :
MSVOA_X
ClientSampled :

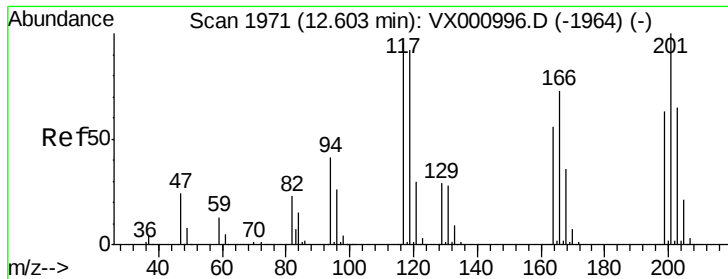
Tot Ion: 119 Resp: 8605
Ion Ratio Lower Upper
119 100
134 30.2 13.5 40.5
91 29.6 11.4 34.1



#89
n-Butylbenzene
Concen: 0.38 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001007.D
Acq: 20 Apr 2018 14:36

Tgt Ion: 91 Resp: 4685
Ion Ratio Lower Upper
91 100
92 34.9 26.3 78.9
134 91.1 14.4 43.0#





#90

Hexachloroethane

Concen: 0.81 ug/l

RT: 12.61 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

Instrument :

MSVOA_X

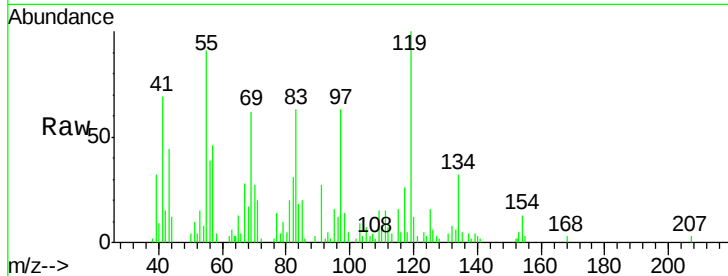
ClientSampleId :

Tot Ion:117 Resp: 1578

Ion Ratio Lower Upper

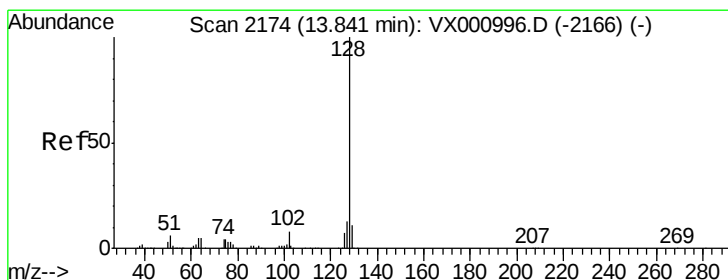
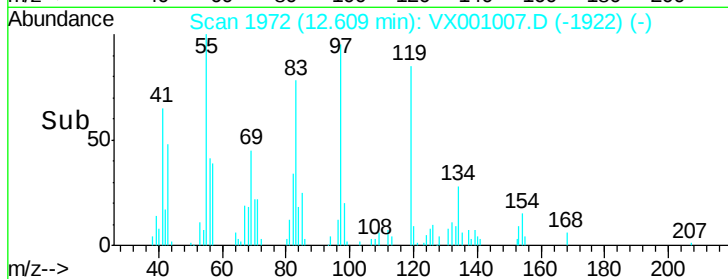
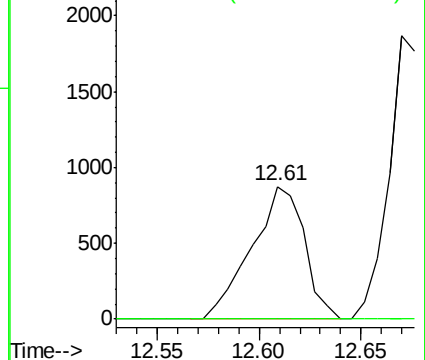
117 100

201 0.0 52.3 157.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 5.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001007.D

Acq: 20 Apr 2018 14:36

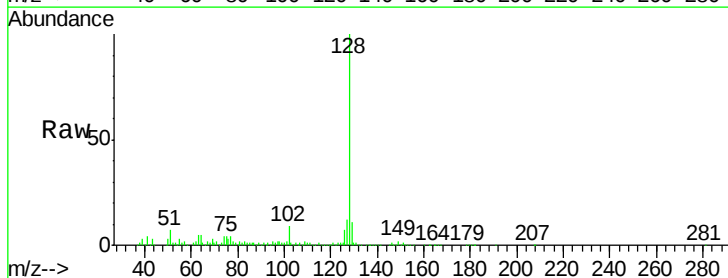
Tgt Ion:128 Resp: 93830

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 12.1 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

