

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
 Data File : VX000775.D
 Acq On : 11 Apr 2018 13:48
 Operator : JC/MD
 Sample : J2280-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 14:13:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	326387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	457442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	254614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	164996	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	
35) Dibromofluoromethane	5.52	113	141644	40.19	ug/l	0.00
Spiked Amount			Recovery	=	80.38%	
50) Toluene-d8	8.73	98	525601	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	
62) 4-Bromofluorobenzene	11.15	95	214301	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	

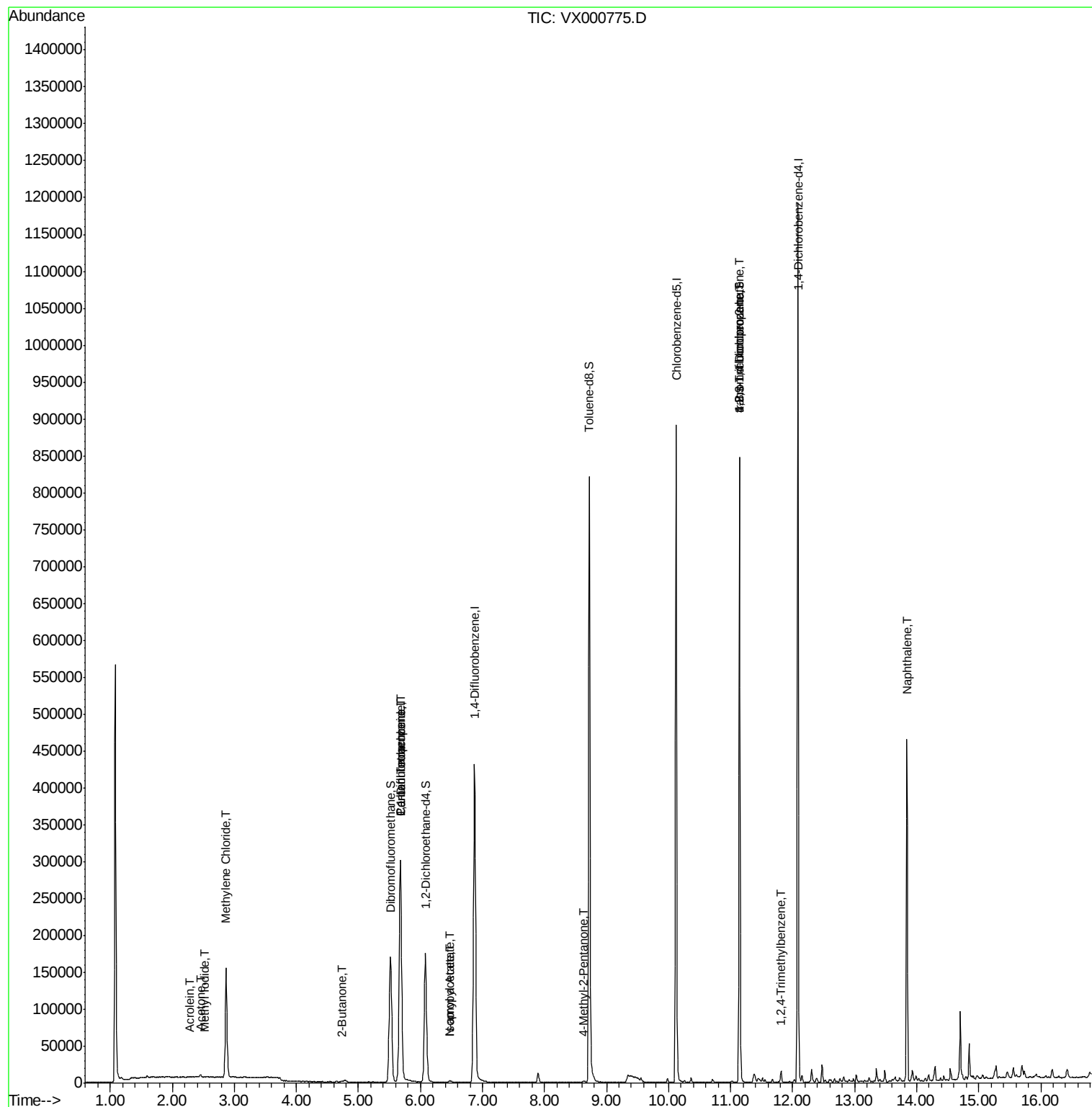
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	327	Below Cal	#	70
10) Methyl Iodide	2.53	142	205	8.30	ug/l #	82
13) Acrolein	2.29	56	158	0.45	ug/l	91
16) Acetone	2.45	43	3444	2.43	ug/l	95
20) Methylene Chloride	2.87	84	70523	21.37	ug/l	99
25) 2-Butanone	4.72	43	973	0.42	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	19812	3.93	ug/l #	48
38) Carbon Tetrachloride	5.68	117	28057	4.98	ug/l #	16
43) Isopropyl Acetate	6.48	43	2828	0.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1004	0.20	ug/l #	37
74) N-amyl acetate	6.48	43	2828	0.39	ug/l #	100
76) 1,2,3-Trichloropropane	11.15	75	105322	23.99	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	105322	65.98	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	6877	0.48	ug/l	100
95) Naphthalene	13.84	128	283787	15.32	ug/l	100

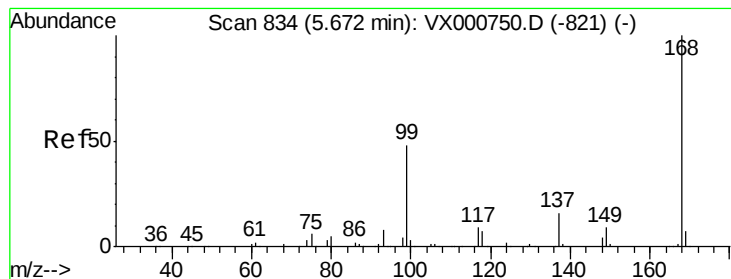
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :

MSVOA_X

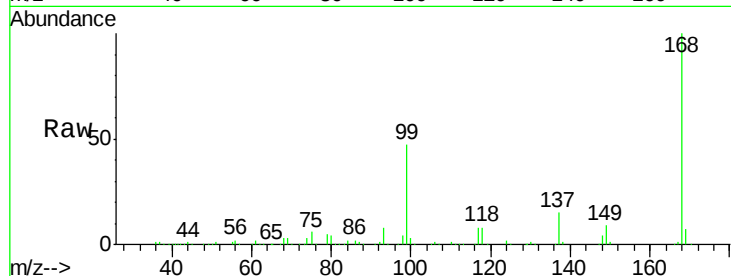
ClientSampled :

Tot Ion:168 Resp: 326387

Ion Ratio Lower Upper

168 100

99 47.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

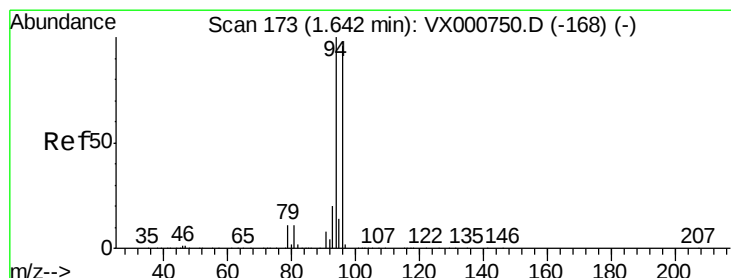
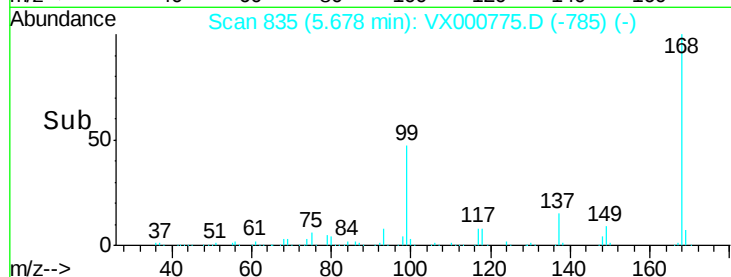
5.68

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000775.D

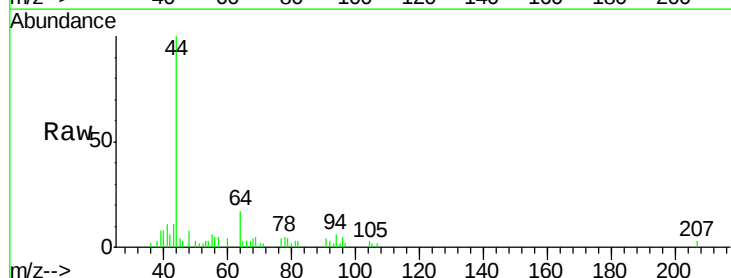
Acq: 11 Apr 2018 13:48

Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 67.3 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

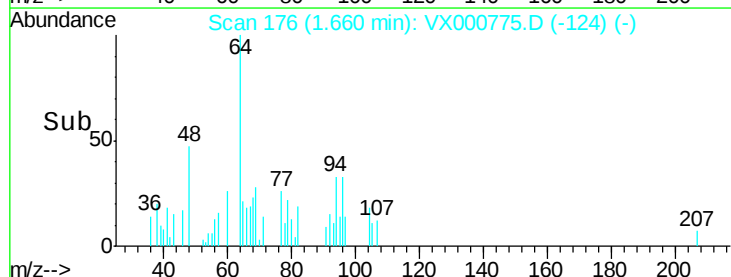
150

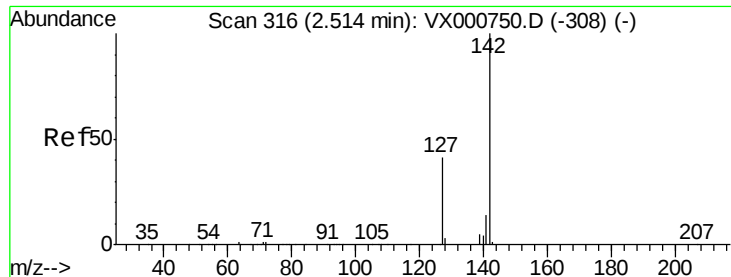
100

50

0

Time--> 1.62 1.64 1.66 1.68

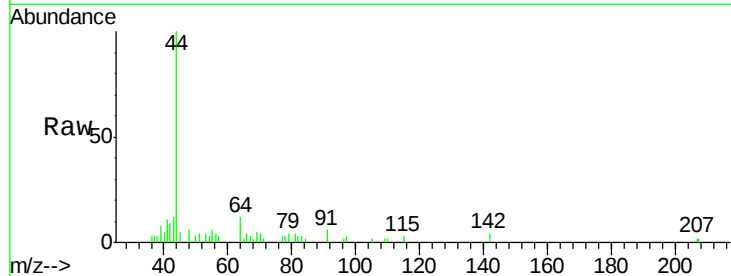




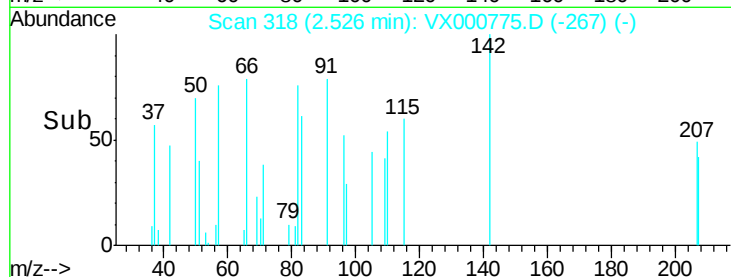
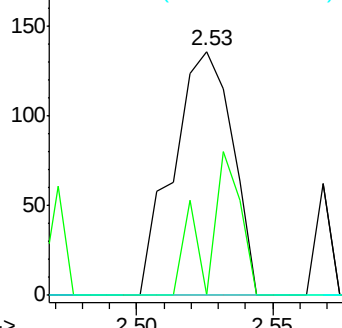
#10
Methyl Iodide
Concen: 8.30 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000775.D
Acq: 11 Apr 2018 13:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 205
Ion Ratio Lower Upper
142 100
127 33.2 32.6 49.0
141 0.0 11.5 17.3#

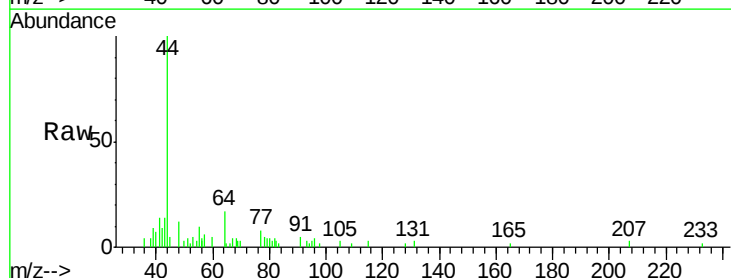
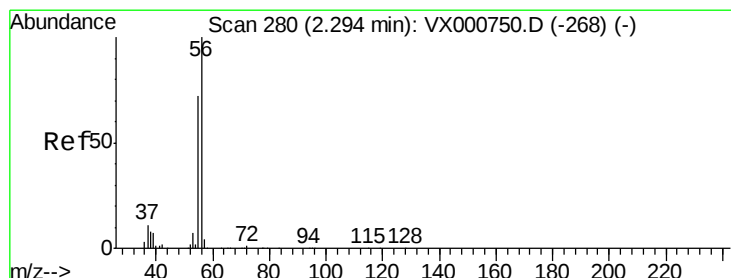


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

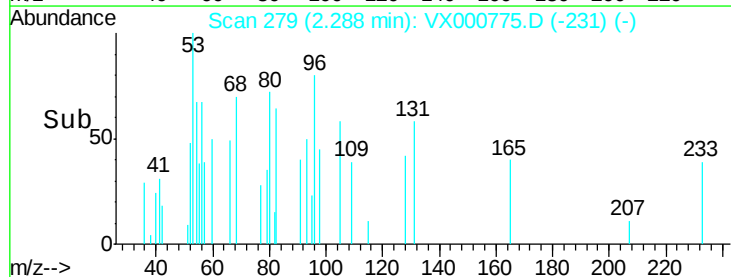
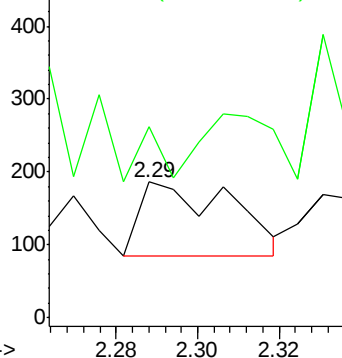


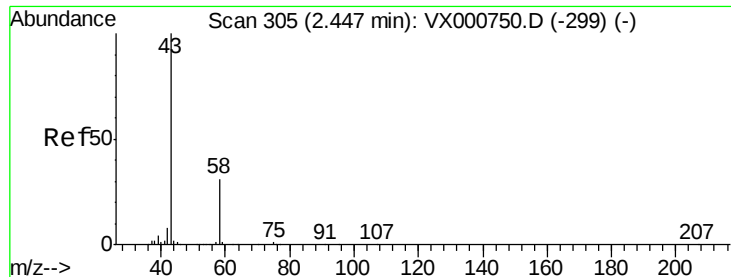
#13
Acrolein
Concen: 0.45 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000775.D
Acq: 11 Apr 2018 13:48

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 81.0 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

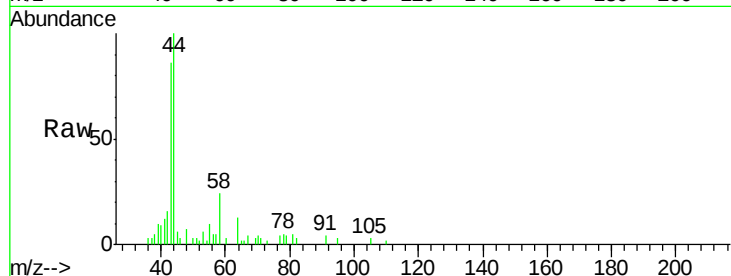
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 3444

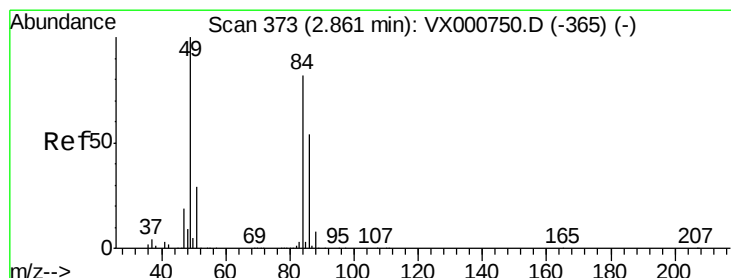
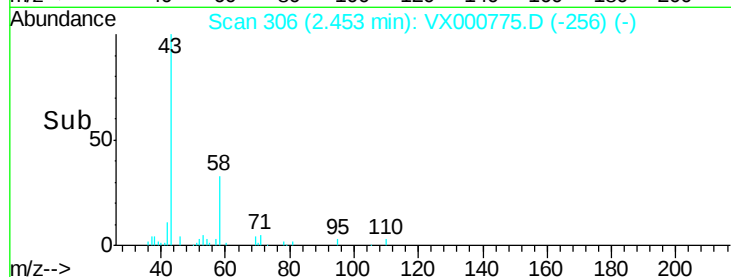
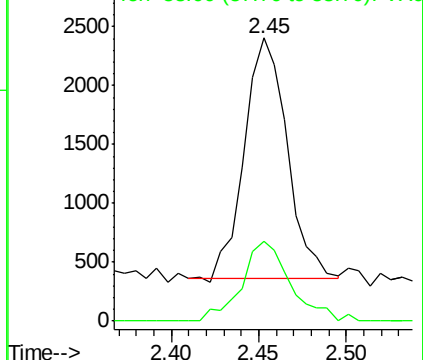
Ion Ratio Lower Upper

43 100

58 33.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 21.37 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Tgt Ion: 84 Resp: 70523

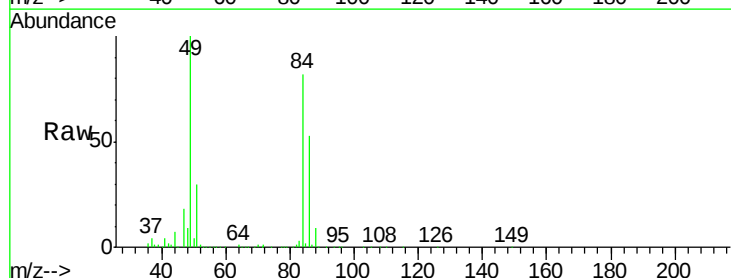
Ion Ratio Lower Upper

84 100

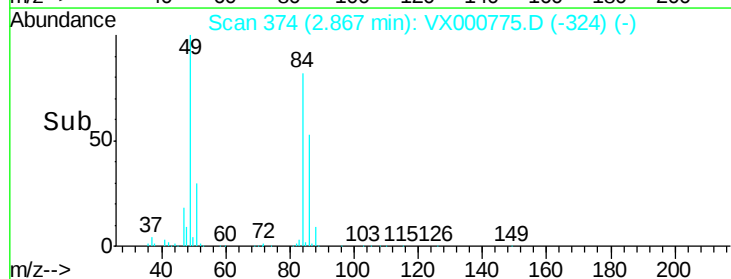
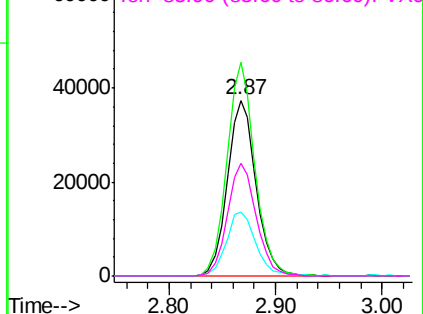
49 121.6 98.1 147.1

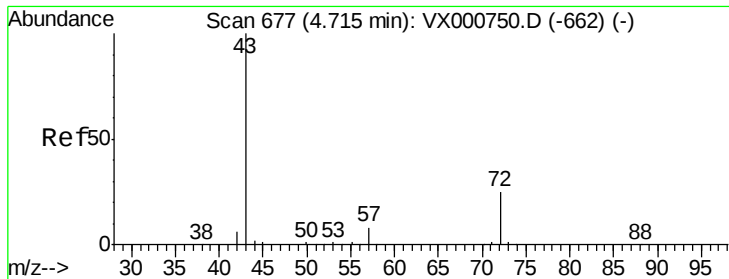
51 36.7 28.9 43.3

86 64.1 52.7 79.1



Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.42 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :

MSVOA_X

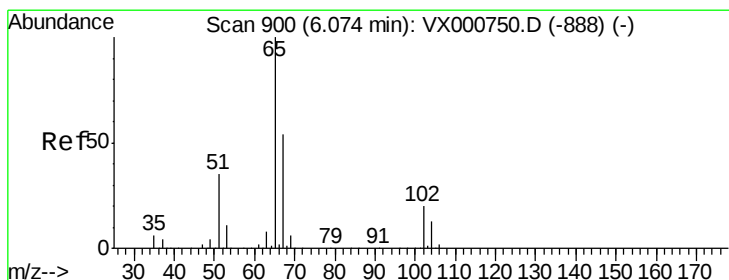
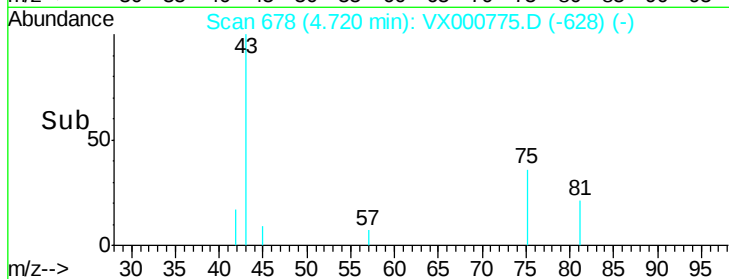
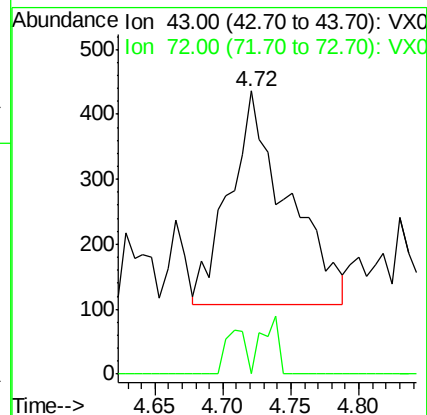
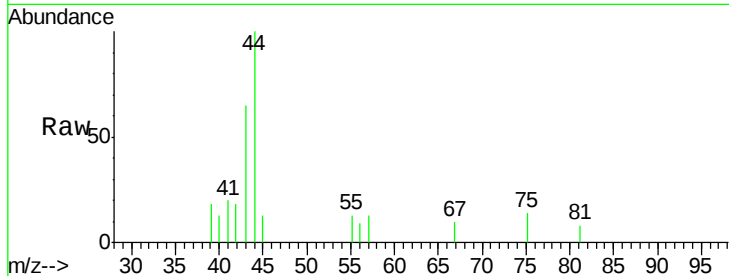
ClientSampled :

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#33

1,2-Dichloroethane-d4

Concen: 40.09 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000775.D

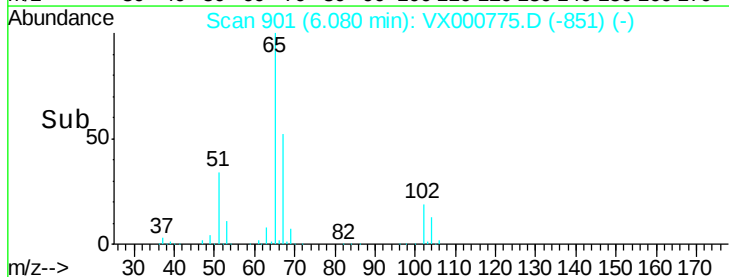
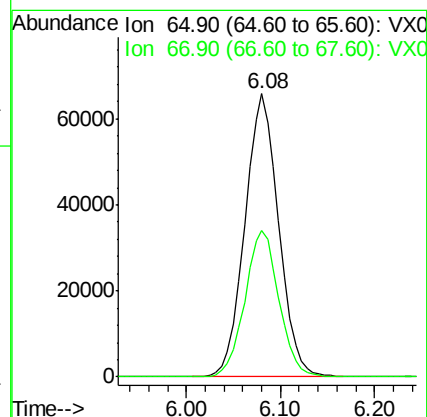
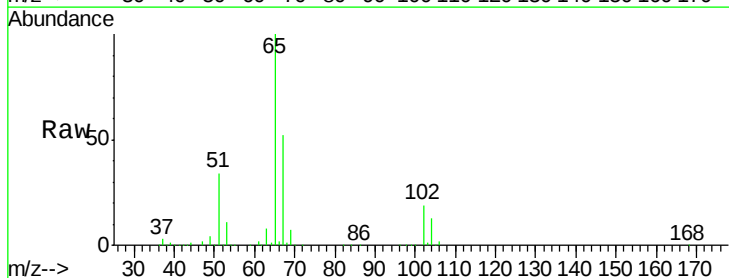
Acq: 11 Apr 2018 13:48

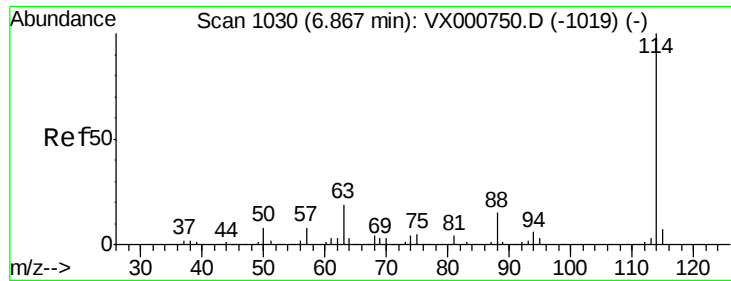
Tgt Ion: 65 Resp: 164996

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.8

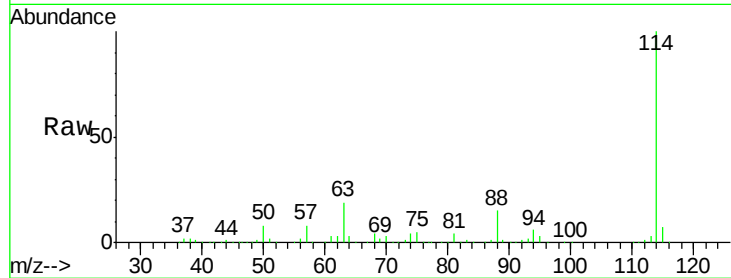




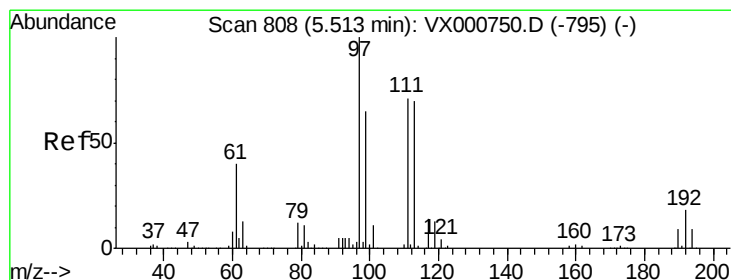
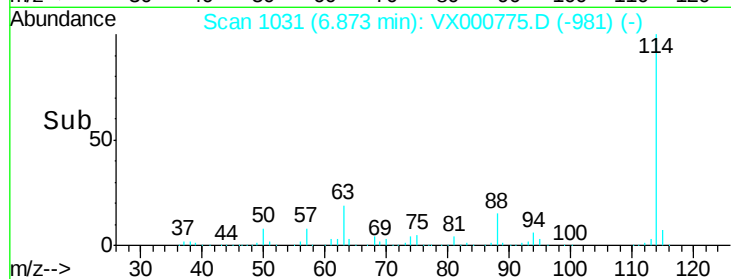
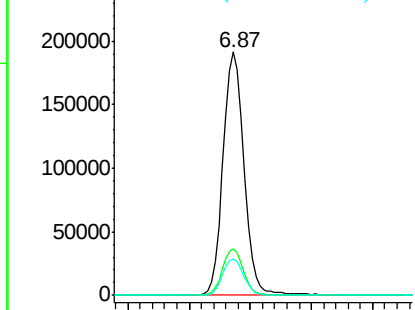
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000775.D
 Acq: 11 Apr 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 457442
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.1 0.0 31.0

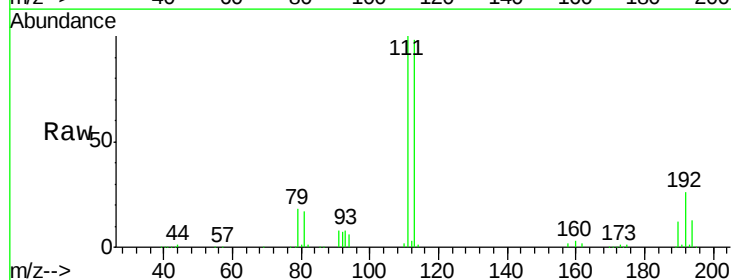


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

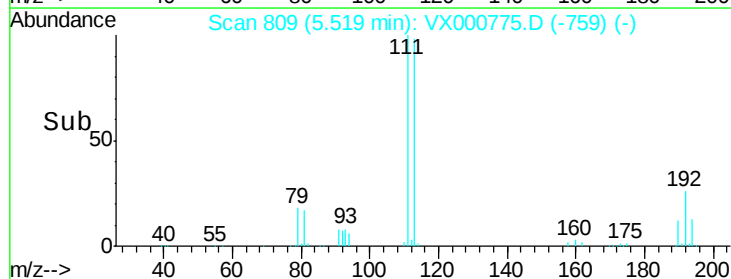
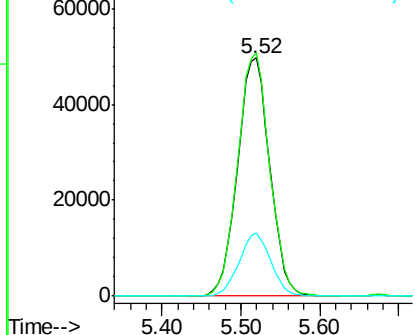


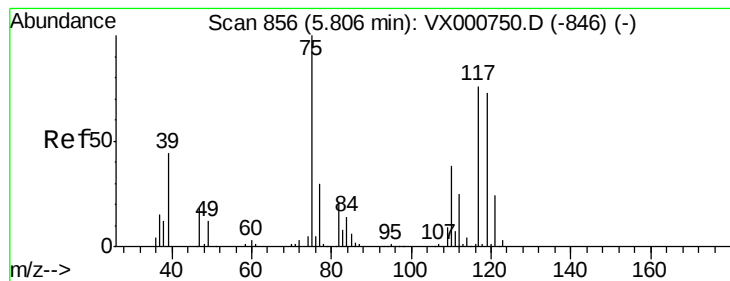
#35
 Dibromofluoromethane
 Concen: 40.19 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000775.D
 Acq: 11 Apr 2018 13:48

Tgt Ion:113 Resp: 141644
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.5 122.3
 192 25.8 20.4 30.6



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: 3.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

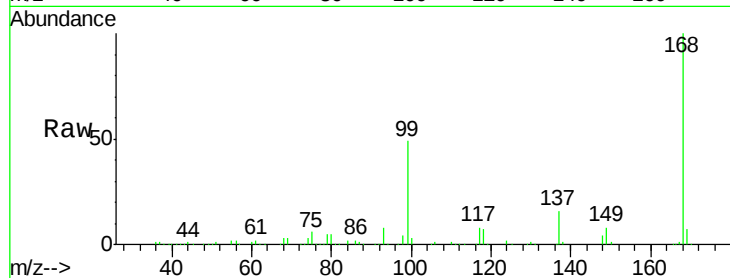
Tot Ion: 75 Resp: 19812

Ion Ratio Lower Upper

75 100

110 9.3 19.2 57.6#

77 0.2 25.4 38.2#

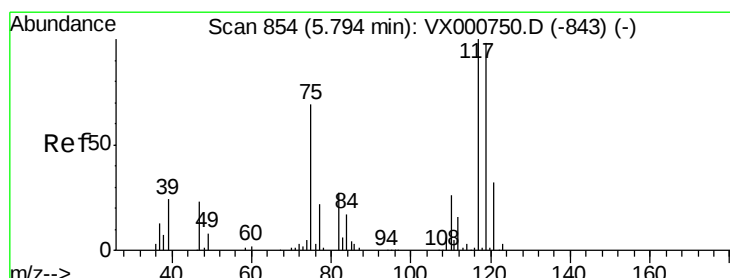
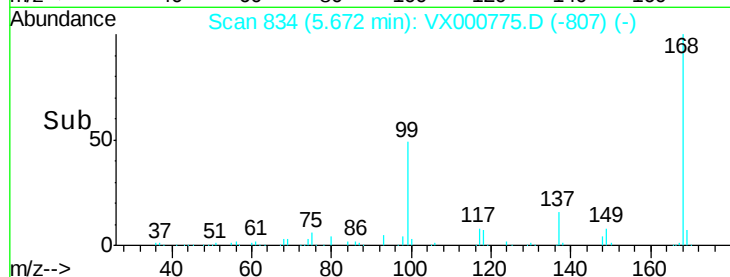


Abundance Ion 74.90 (74.60 to 75.60): VX000775.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000775.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000775.D (-846) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.98 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

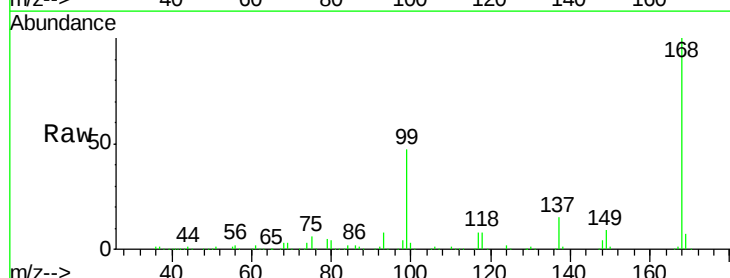
Tgt Ion: 117 Resp: 28057

Ion Ratio Lower Upper

117 100

119 5.9 78.4 117.6#

121 0.0 25.4 38.0#

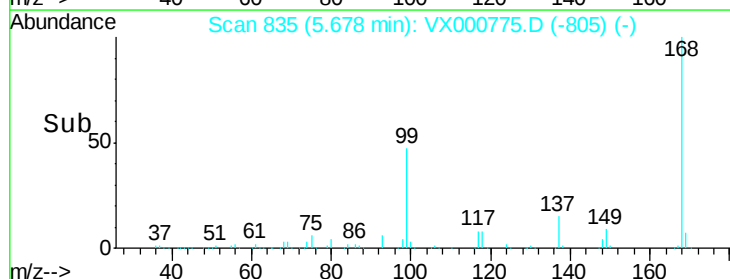


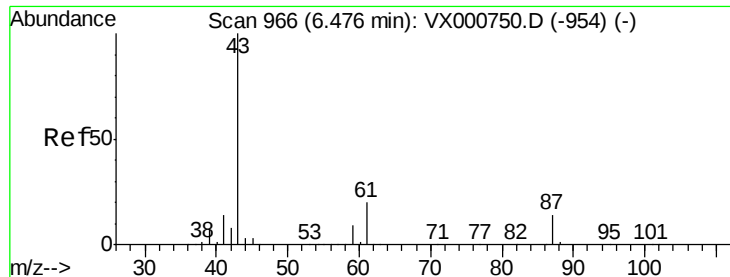
Abundance Ion 116.80 (116.50 to 117.50): VX000775.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX000775.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000775.D (-805) (-)

Time-->



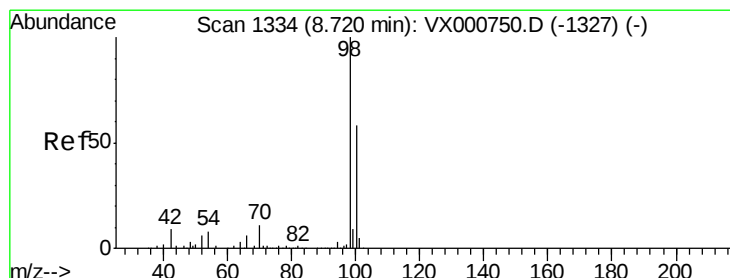
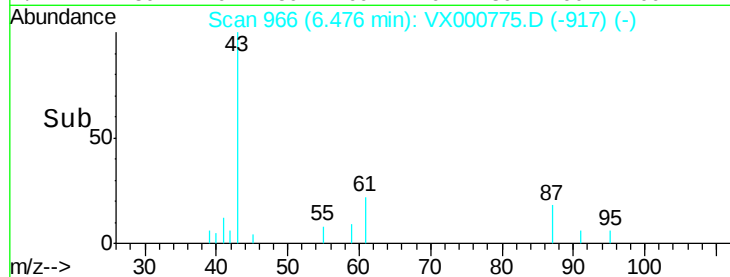
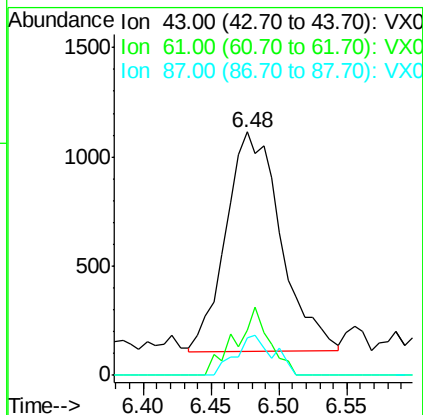
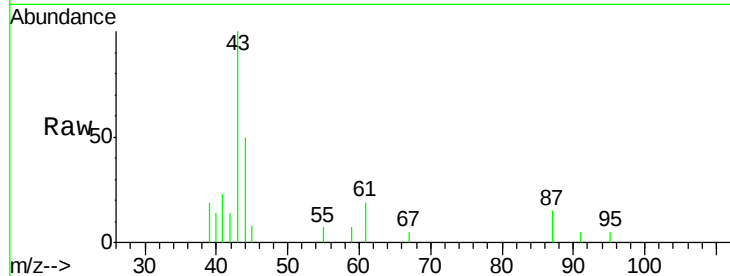


#43

Isopropyl Acetate
 Concen: 0.34 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000775.D
 Acq: 11 Apr 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :

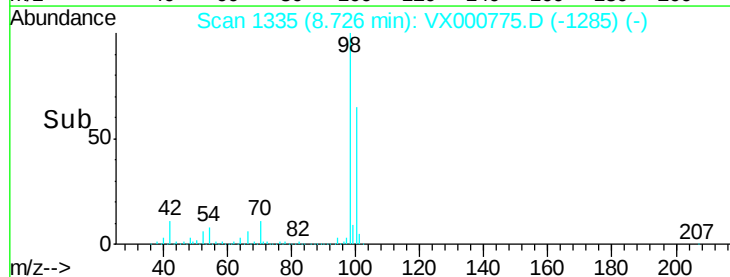
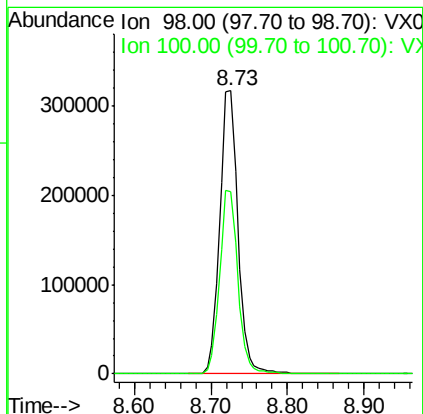
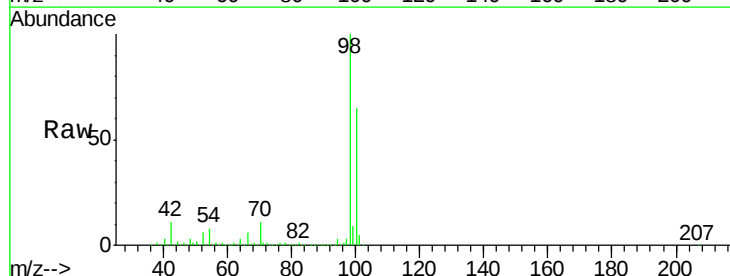
Tot Ion: 43 Resp: 2828
 Ion Ratio Lower Upper
 43 100
 61 19.3 15.6 23.4
 87 12.6 10.7 16.1

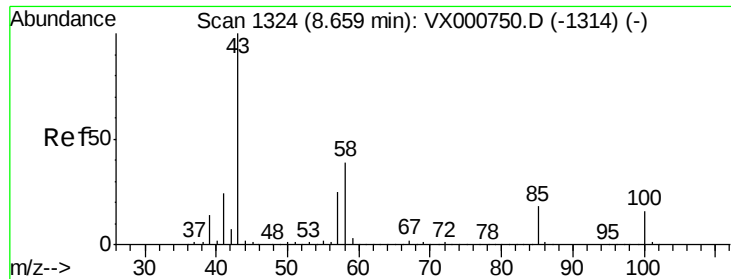


#50

Toluene-d8
 Concen: 40.05 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VX000775.D
 Acq: 11 Apr 2018 13:48

Tgt Ion: 98 Resp: 525601
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.63 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :

MSVOA_X

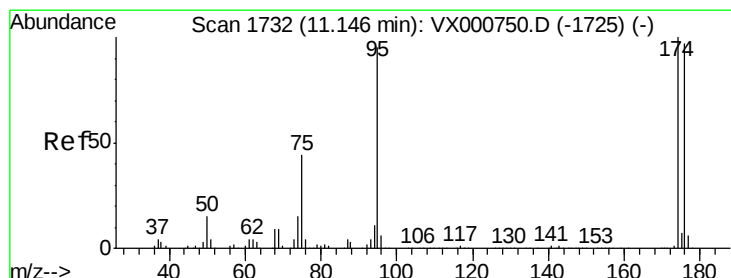
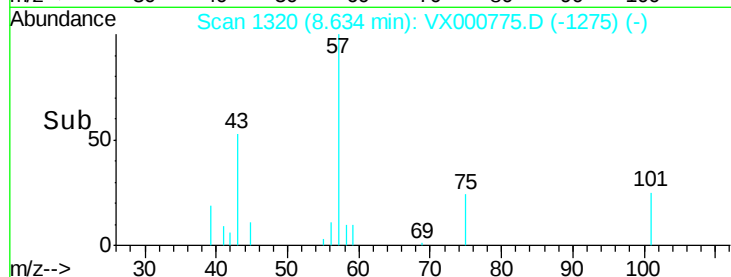
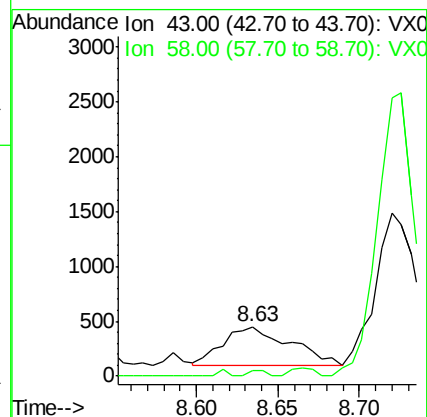
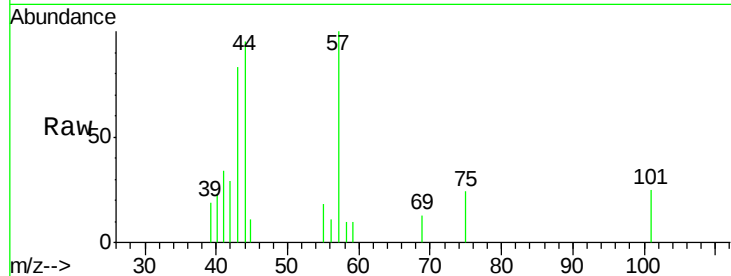
ClientSampleId :

Tot Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

58 0.0 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 39.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

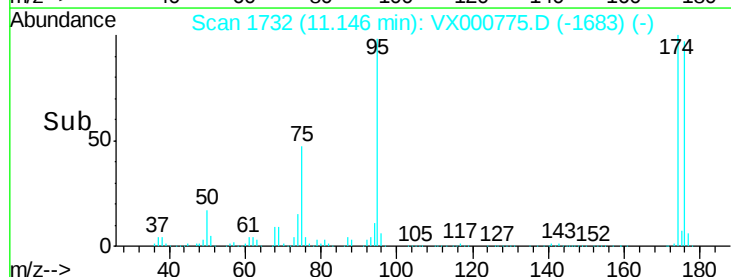
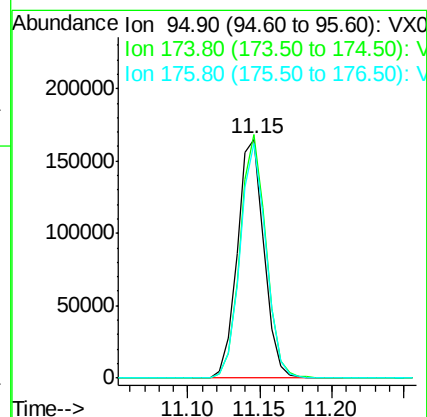
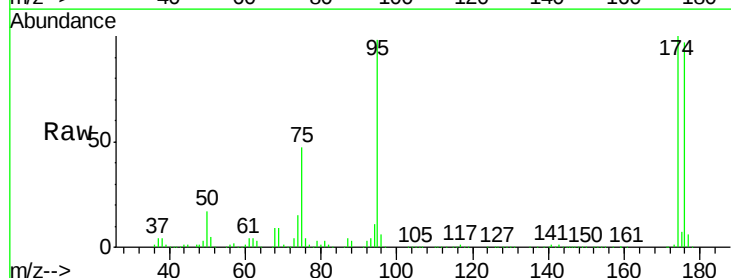
Tgt Ion: 95 Resp: 214301

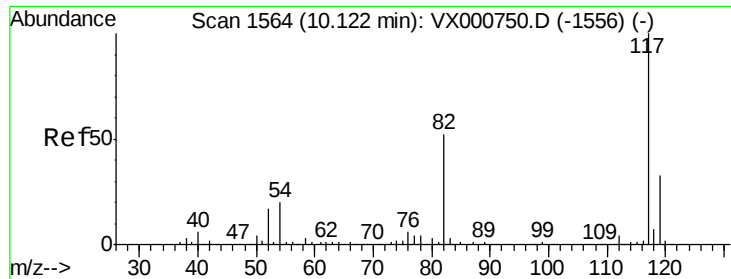
Ion Ratio Lower Upper

95 100

174 98.3 0.0 198.4

176 95.3 0.0 194.4

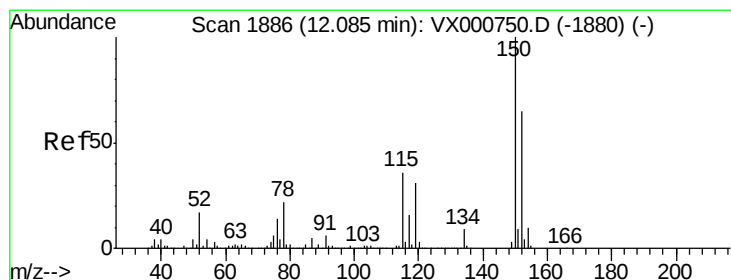
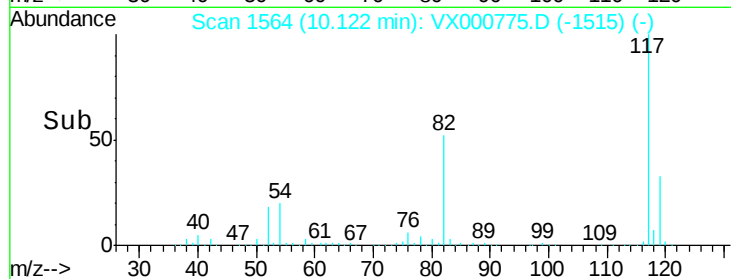
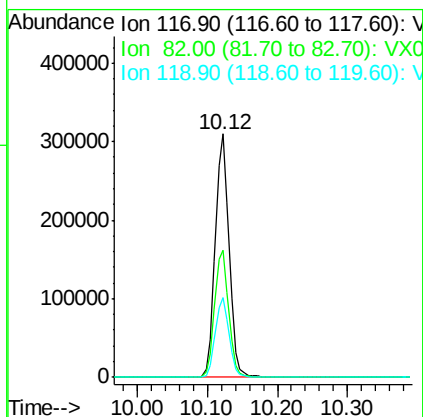
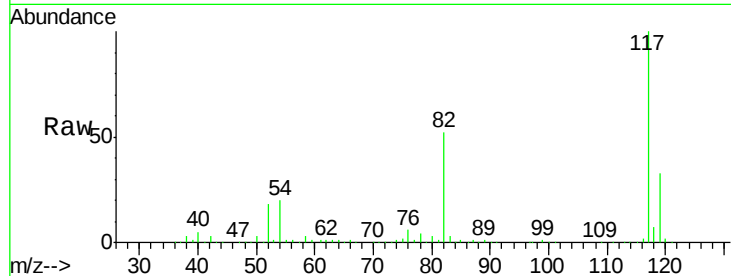




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000775.D
Acq: 11 Apr 2018 13:48

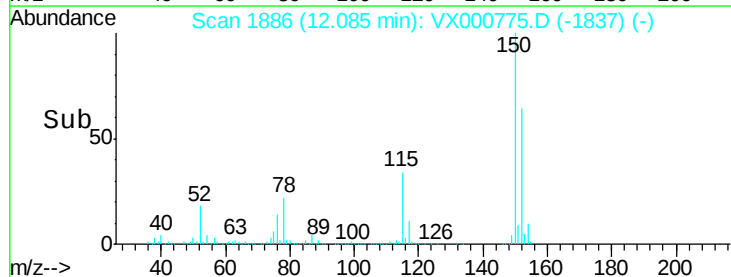
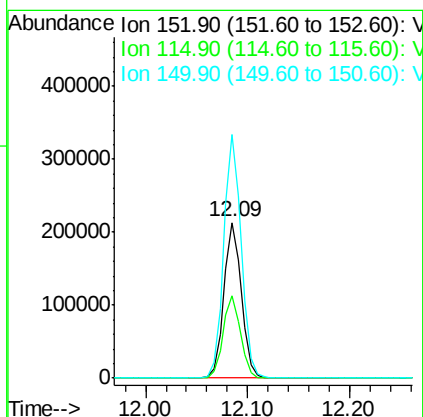
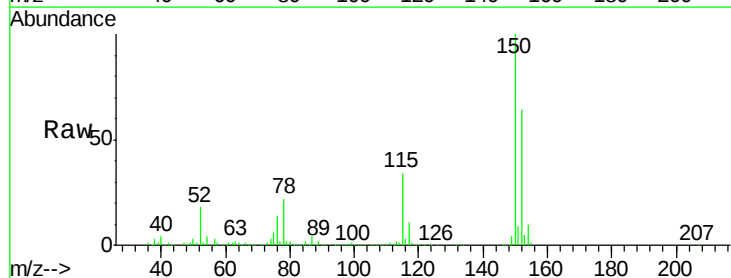
Instrument :
MSVOA_X
ClientSampled :

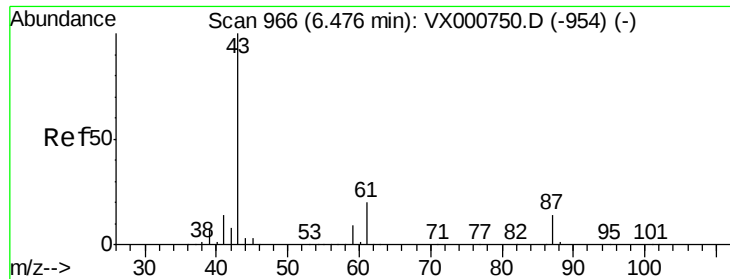
Tot Ion:117 Resp: 426085
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000775.D
Acq: 11 Apr 2018 13:48

Tgt Ion:152 Resp: 254614
Ion Ratio Lower Upper
152 100
115 53.1 37.9 113.7
150 156.1 0.0 348.0





#74

N-amvl acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2828

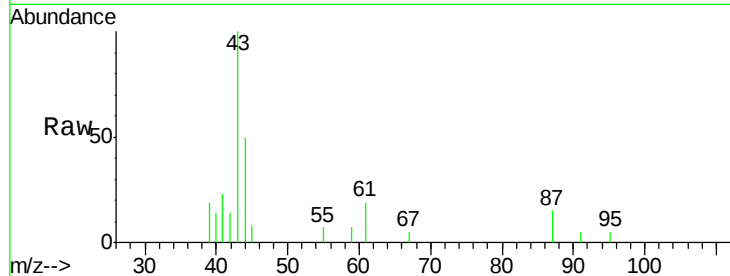
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.3 15.6 23.4

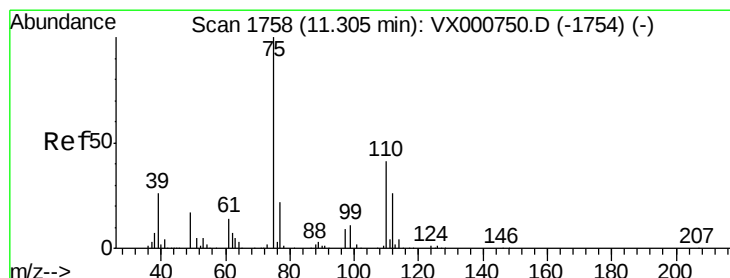
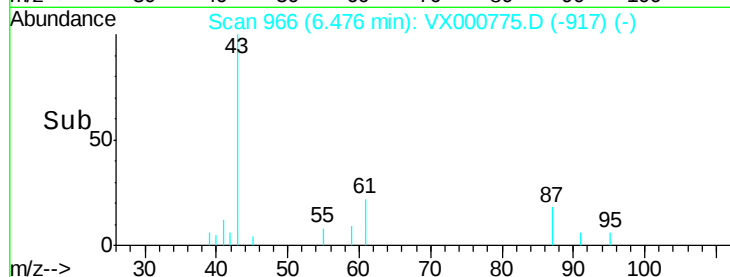
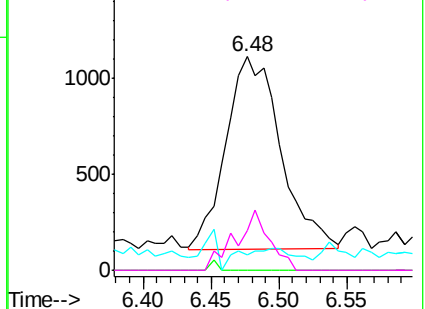


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000775.D

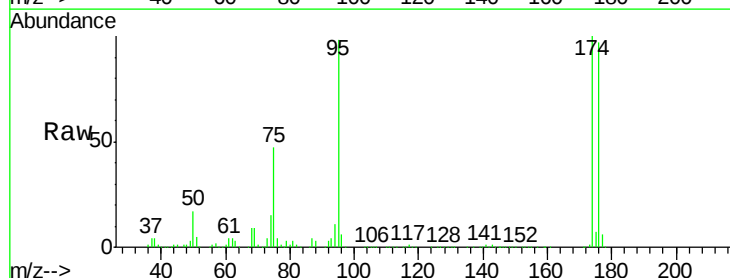
Acq: 11 Apr 2018 13:48

Tgt Ion: 75 Resp: 105322

Ion Ratio Lower Upper

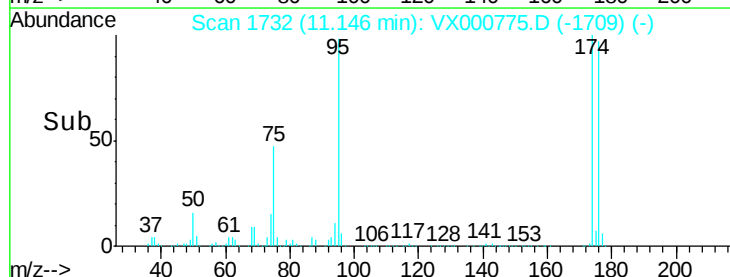
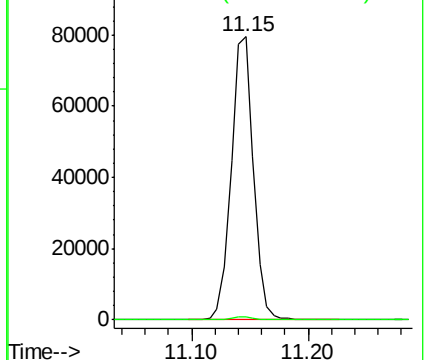
75 100

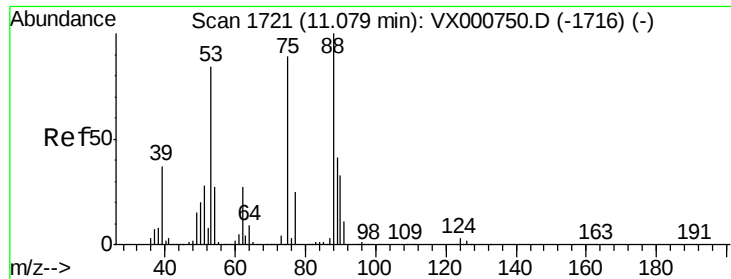
77 1.3 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000775.D

Acq: 11 Apr 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

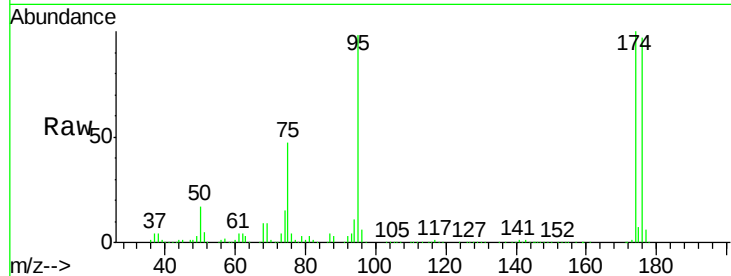
Tot Ion: 75 Resp: 105322

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

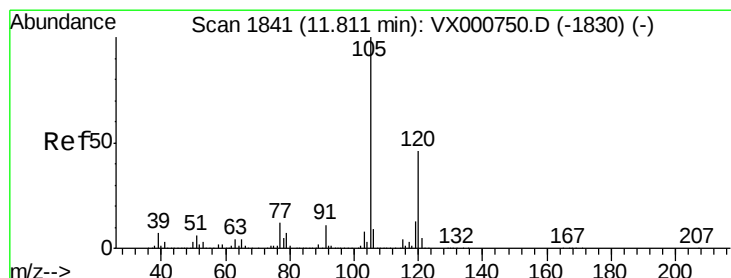
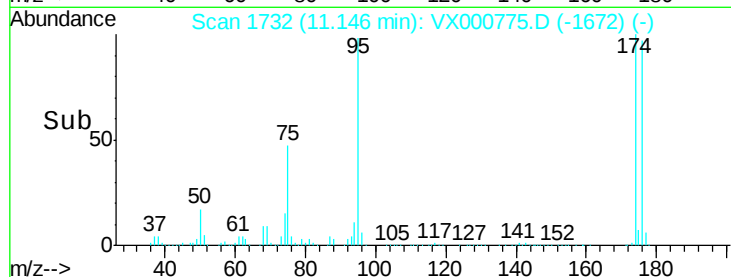
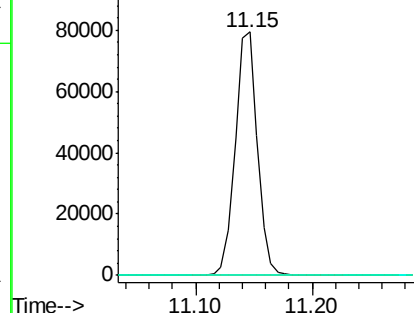
89 0.0 40.9 61.3#



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: 0.48 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX000775.D

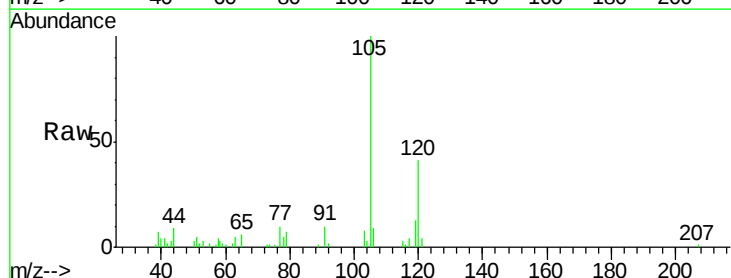
Acq: 11 Apr 2018 13:48

Tgt Ion:105 Resp: 6877

Ion Ratio Lower Upper

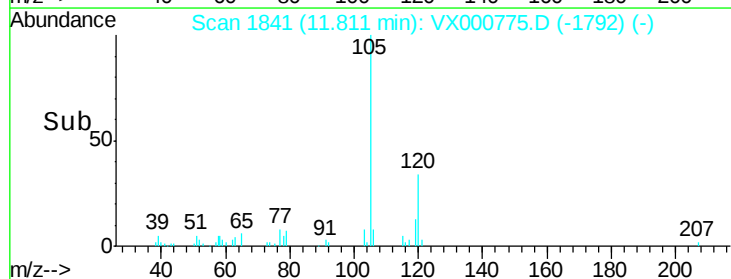
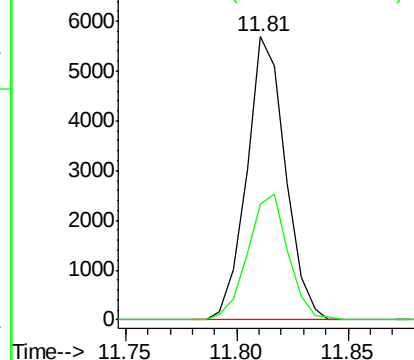
105 100

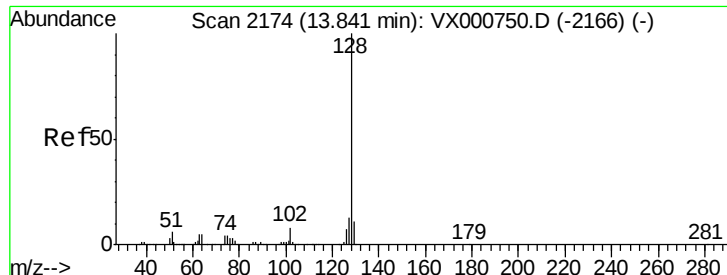
120 46.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

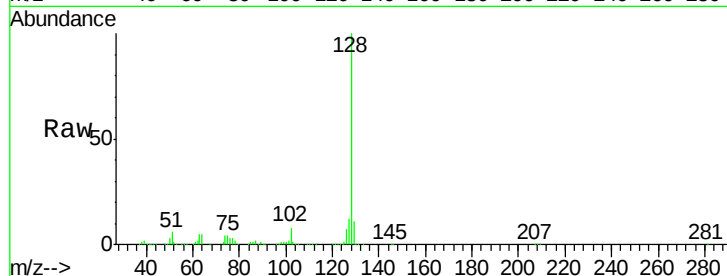




#95
Naphthalene
Concen: 15.32 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000775.D
Acq: 11 Apr 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	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

