

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003807.D
 Acq On : 01 Aug 2018 20:55
 Operator : JC/SP
 Sample : J4121-05RE
 Misc : 11.35G/5.0mL/MSVOA X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	160314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	143144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	46045	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
35) Dibromofluoromethane	5.50	113	40491	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	
50) Toluene-d8	8.72	98	162193	41.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.42%	
62) 4-Bromofluorobenzene	11.14	95	54417	37.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.00%	

Target Compounds

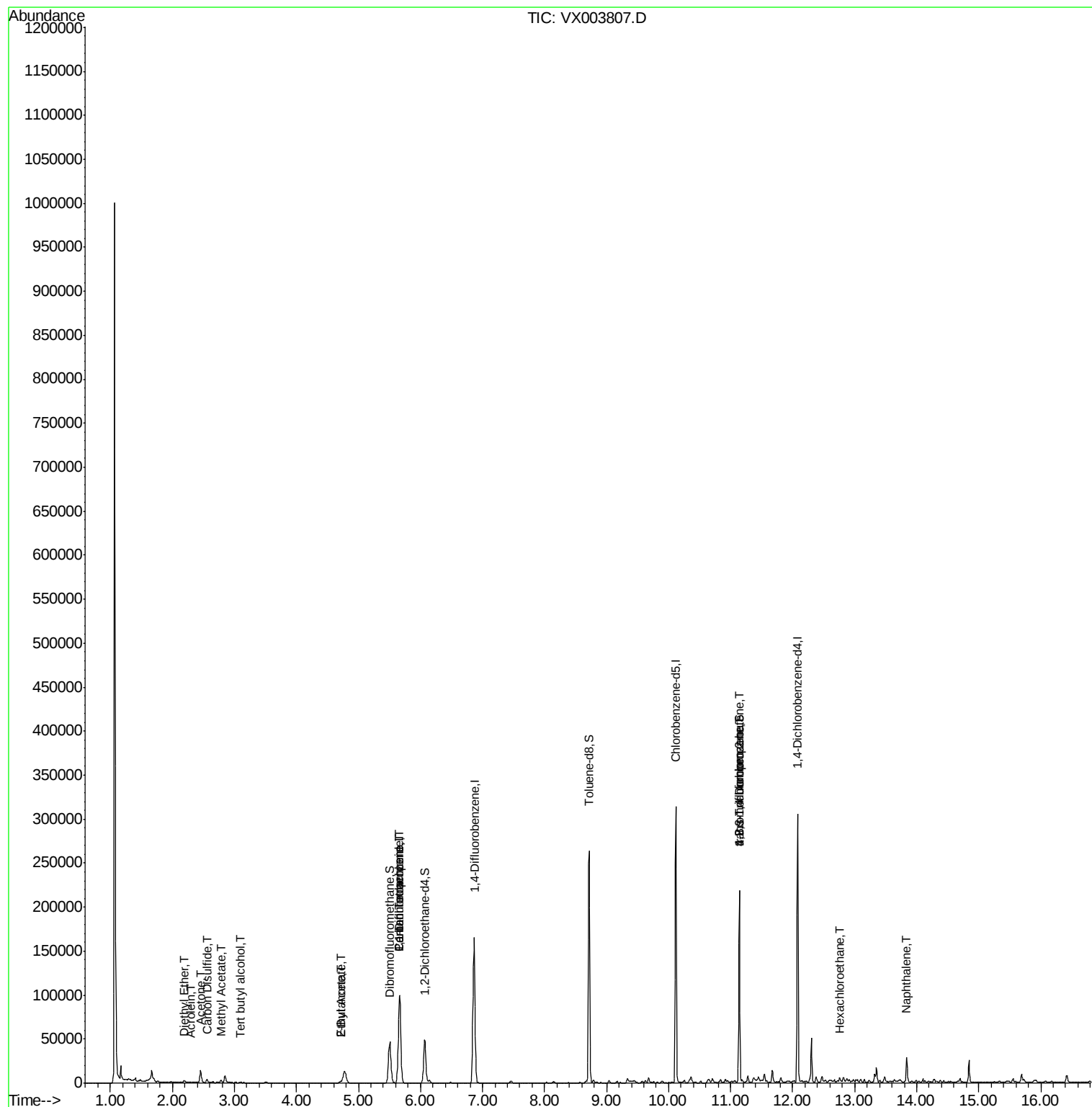
						Qvalue
5) Bromomethane	1.64	94	341	Below Cal		97
8) Diethyl Ether	2.19	74	661	1.13 ug/l		88
11) Tert butyl alcohol	3.10	59	247	1.46 ug/l #		73
13) Acrolein	2.29	56	147	2.65 ug/l #		82
16) Acetone	2.45	43	14935	37.40 ug/l		97
17) Carbon Disulfide	2.56	76	4924	1.64 ug/l		99
18) Methyl Acetate	2.78	43	3133	2.79 ug/l		95
25) 2-Butanone	4.71	43	3763	6.46 ug/l		97
36) 1,1-Dichloropropene	5.66	75	6890	4.59 ug/l #		49
37) Ethyl Acetate	4.71	43	3763	3.26 ug/l #		68
38) Carbon Tetrachloride	5.67	117	9064	6.53 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	26236	27.89 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.14	75	26236	82.60 ug/l #		11
90) Hexachloroethane	12.76	117	1948	3.13 ug/l #		1
95) Naphthalene	13.83	128	18482	5.20 ug/l		99

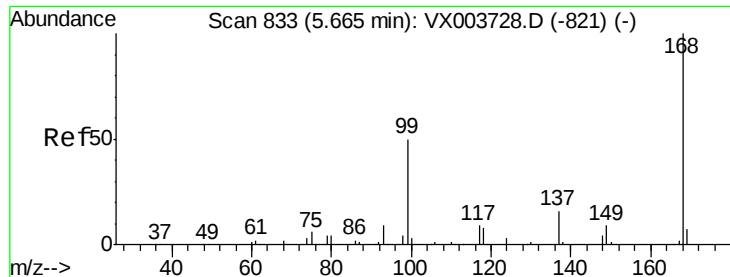
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

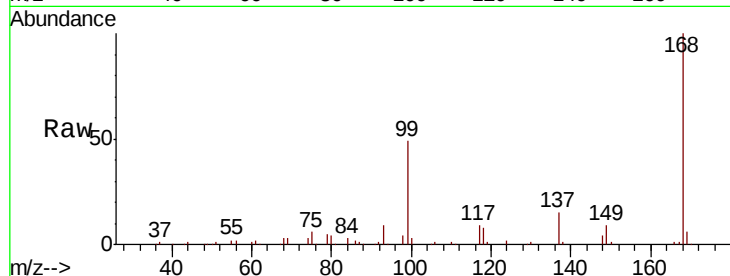
ClientSampleId :

Tot Ion:168 Resp: 103369

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

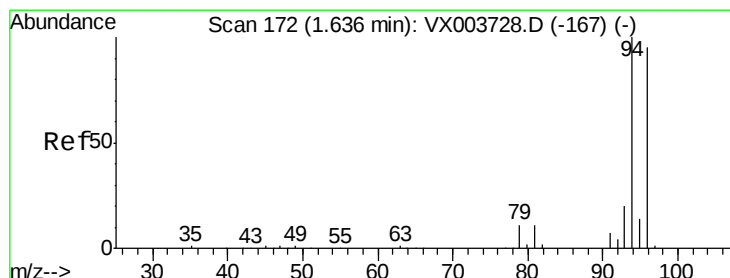
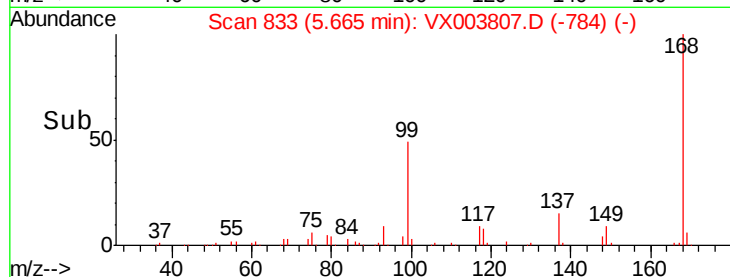
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003807.D

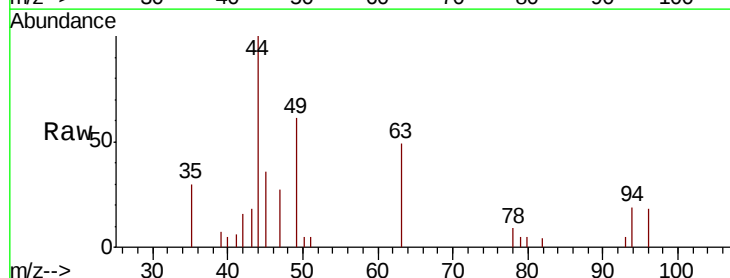
Acq: 01 Aug 2018 20:55

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 98.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

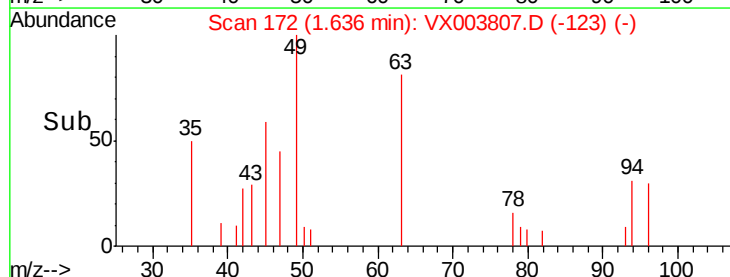
150

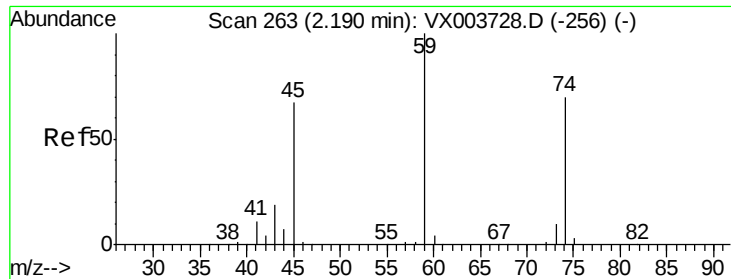
100

50

0

Time--> 1.60 1.65 1.70

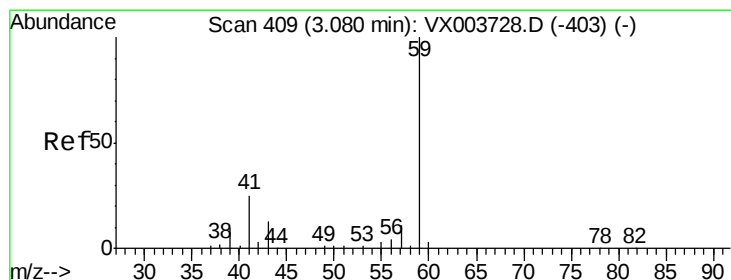
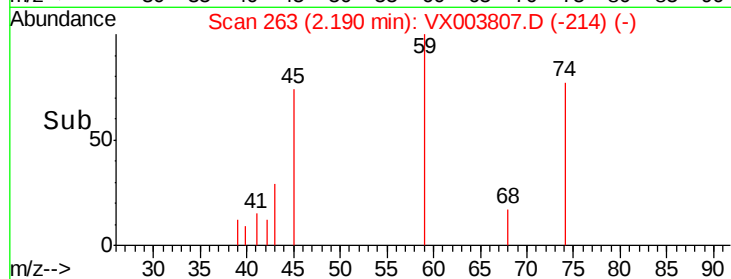
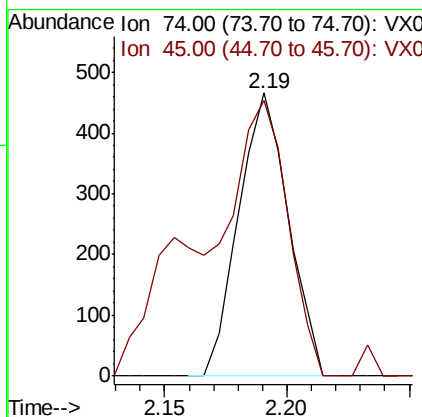
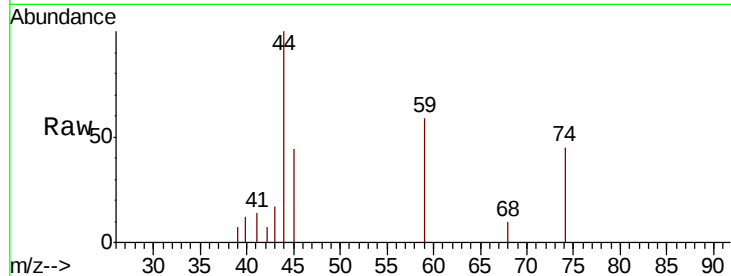




#8
 Diethyl Ether
 Concen: 1.13 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

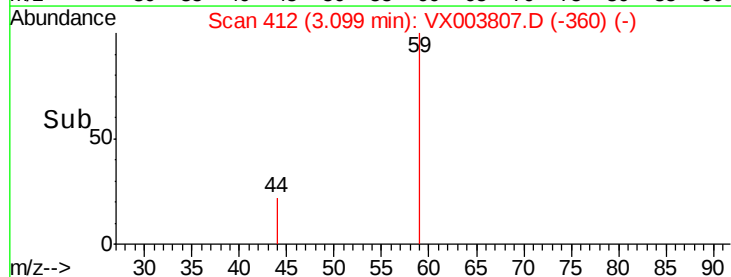
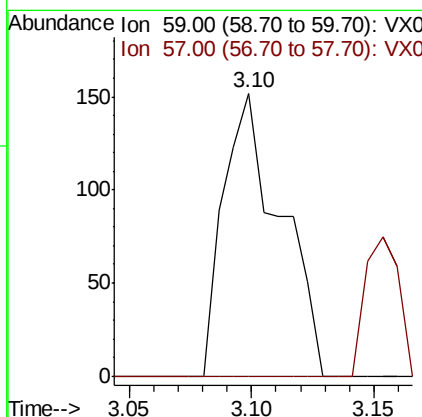
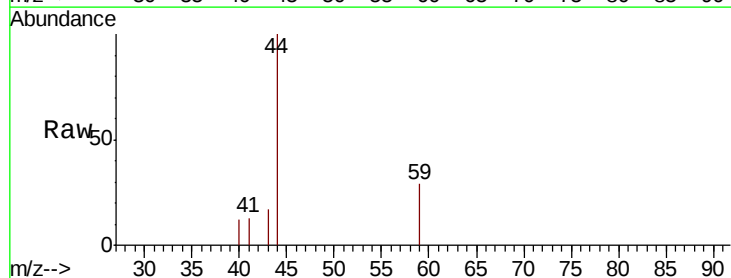
Instrument :
 MSVOA_X
 ClientSampled :

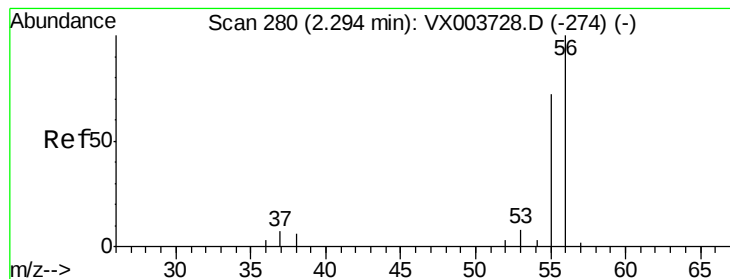
Tot Ion: 74 Resp: 661
 Ion Ratio Lower Upper
 74 100
 45 110.9 49.5 148.7



#11
 Tert butyl alcohol
 Concen: 1.46 ug/l
 RT: 3.10 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

Tgt Ion: 59 Resp: 247
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#13

Acrolein

Concen: 2.65 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

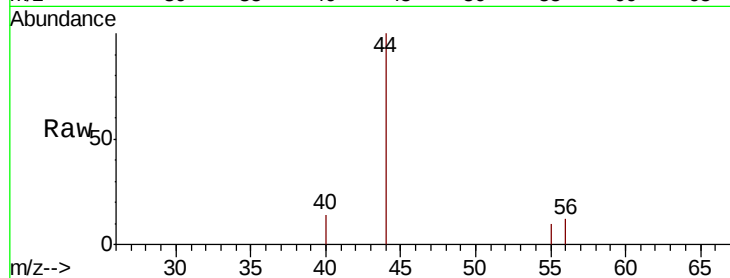
ClientSampleId :

Tot Ion: 56 Resp: 147

Ion Ratio Lower Upper

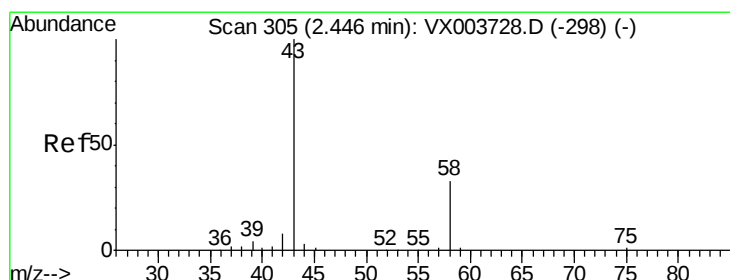
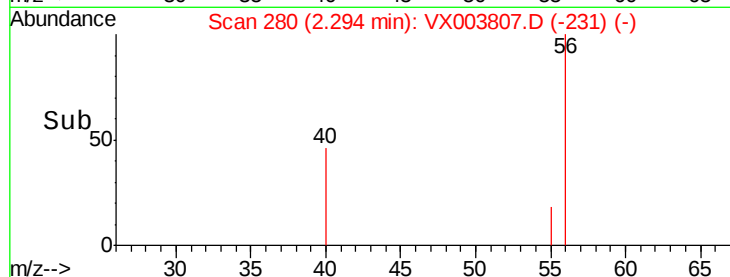
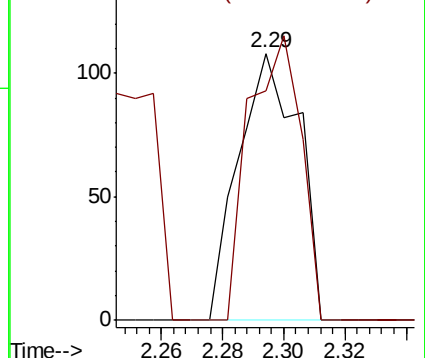
56 100

55 92.5 61.4 92.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 37.40 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003807.D

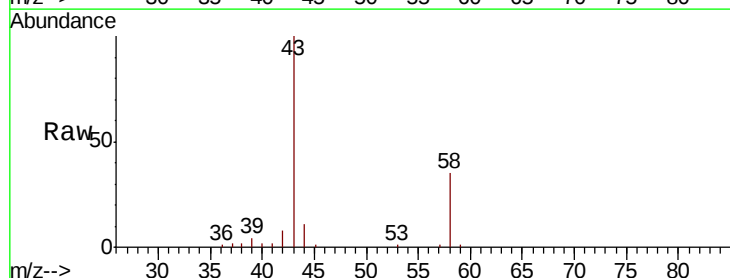
Acq: 01 Aug 2018 20:55

Tgt Ion: 43 Resp: 14935

Ion Ratio Lower Upper

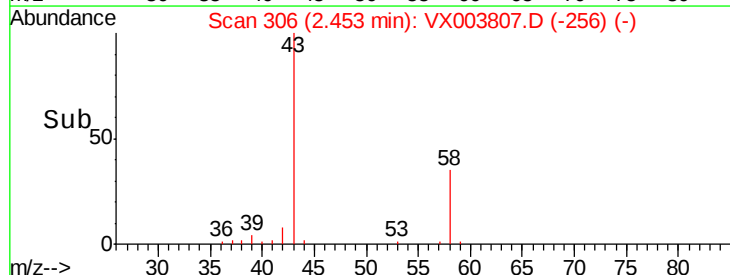
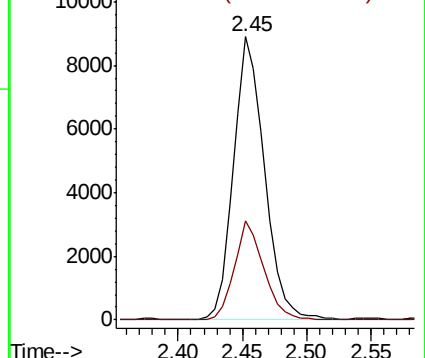
43 100

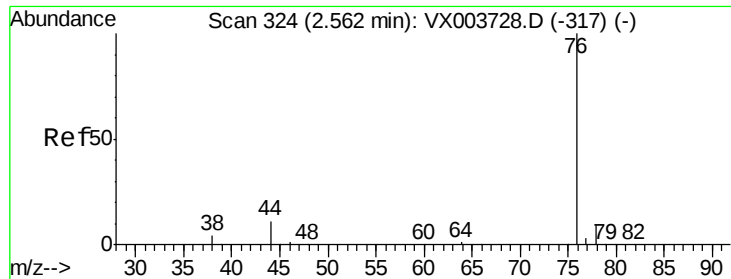
58 35.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

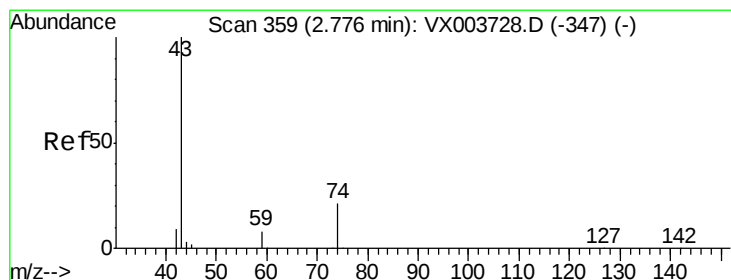
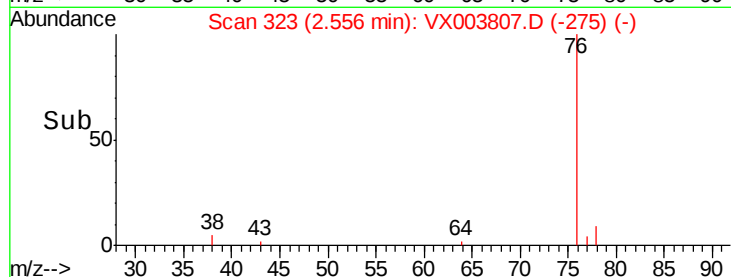
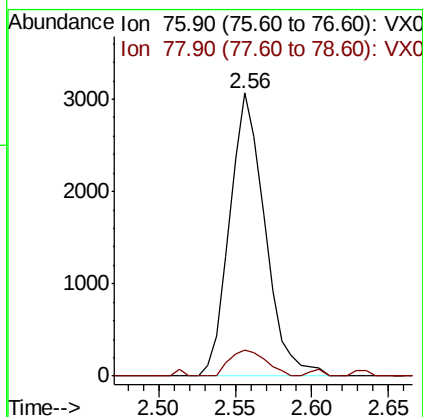
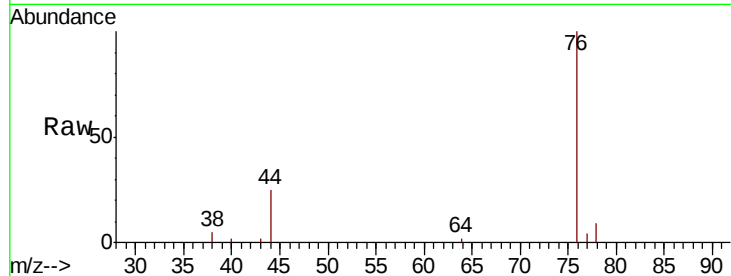




#17
Carbon Disulfide
Concen: 1.64 ug/l
RT: 2.56 min Scan# 323
Delta R.T. -0.01 min
Lab File: VX003807.D
Acq: 01 Aug 2018 20:55

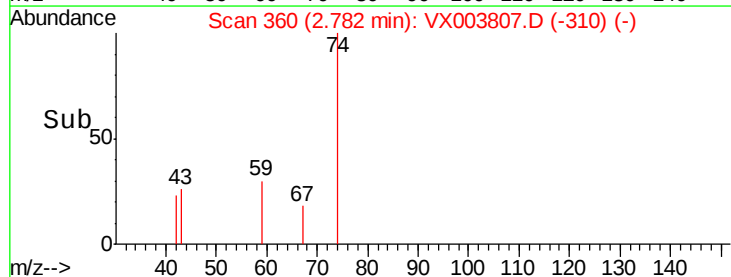
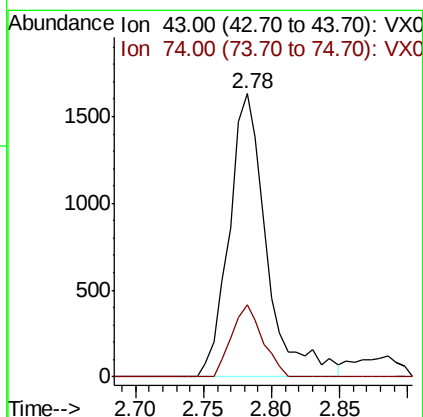
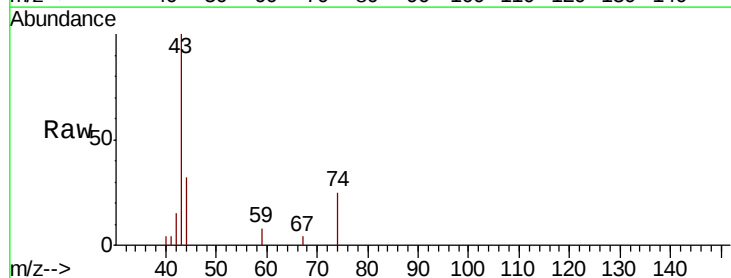
Instrument :
MSVOA_X
ClientSampled :

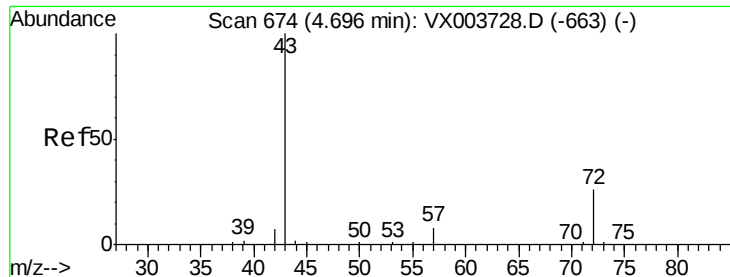
Tot Ion: 76 Resp: 4924
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 2.79 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.01 min
Lab File: VX003807.D
Acq: 01 Aug 2018 20:55

Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
74 21.0 18.9 28.3





#25

2-Butanone

Concen: 6.46 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

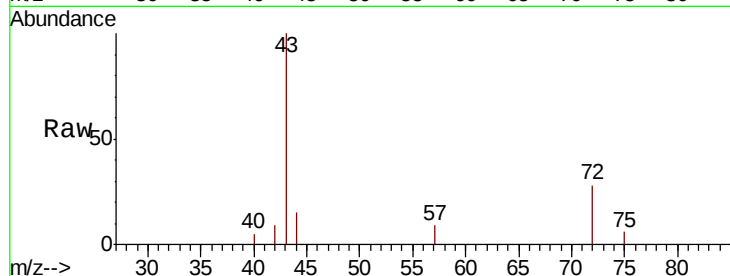
ClientSampled :

Tot Ion: 43 Resp: 3763

Ion Ratio Lower Upper

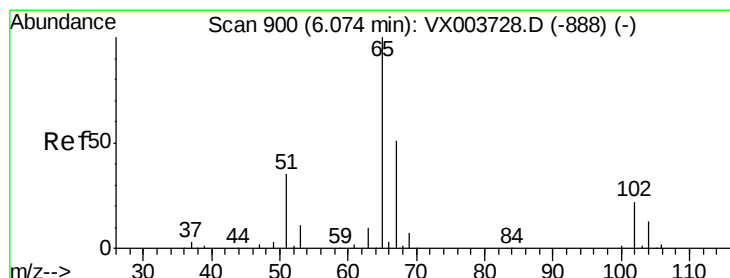
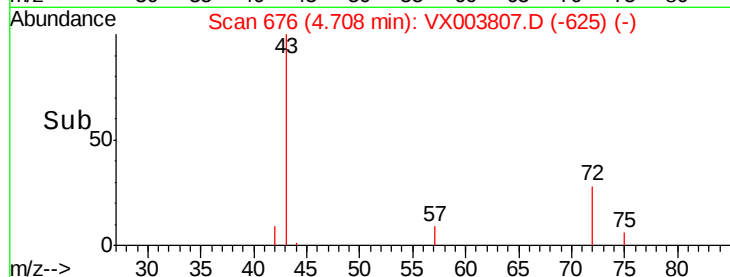
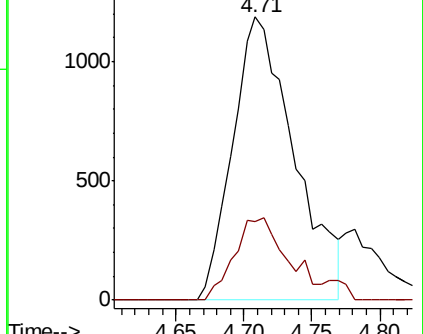
43 100

72 27.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.04 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003807.D

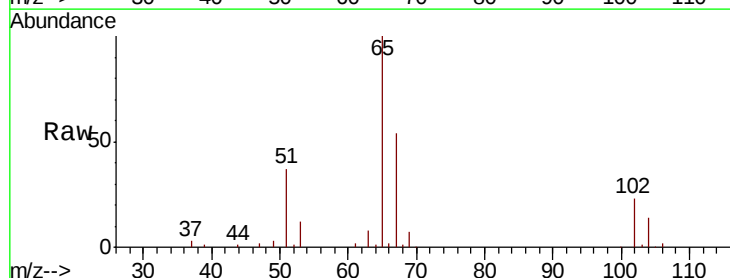
Acq: 01 Aug 2018 20:55

Tgt Ion: 65 Resp: 46045

Ion Ratio Lower Upper

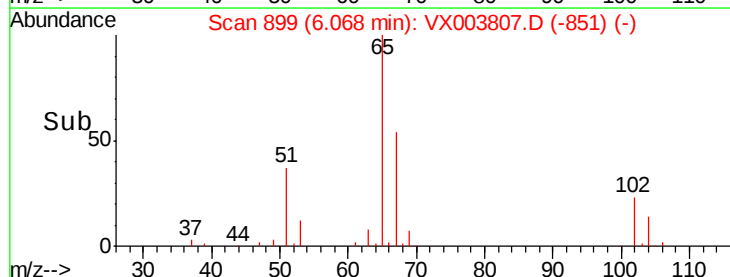
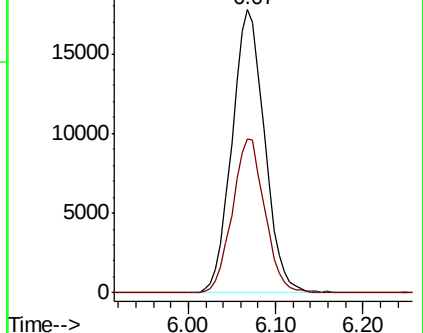
65 100

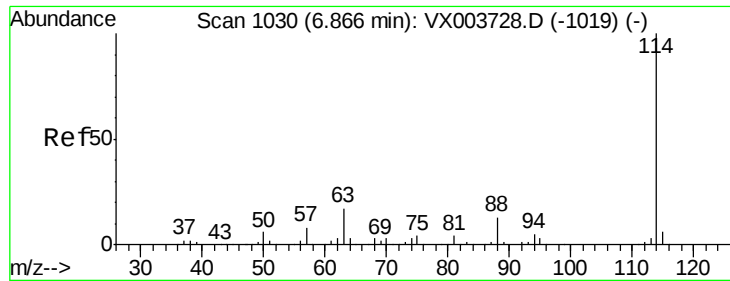
67 54.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

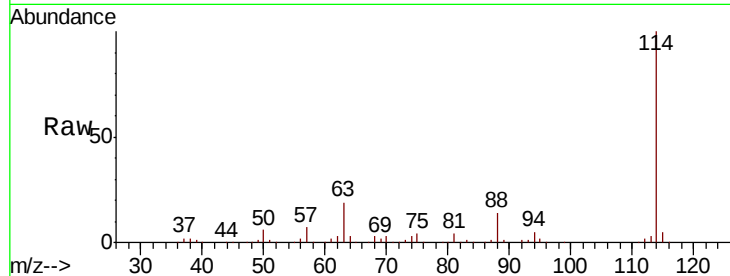




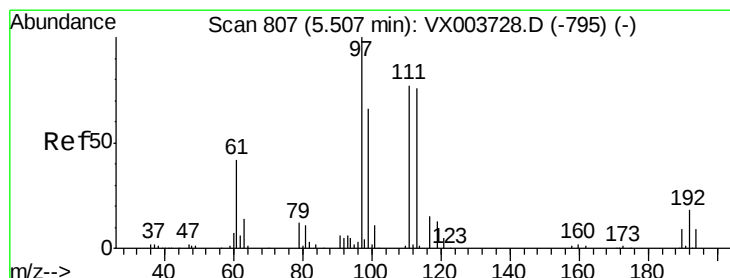
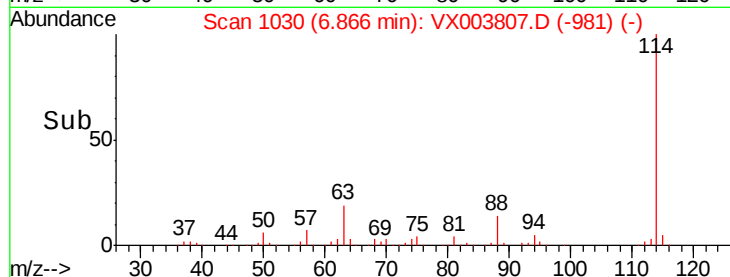
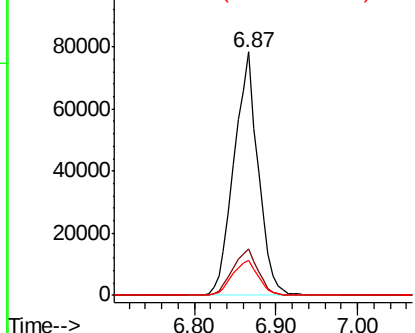
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:114 Resp: 160314
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.0
 88 14.4 0.0 26.4

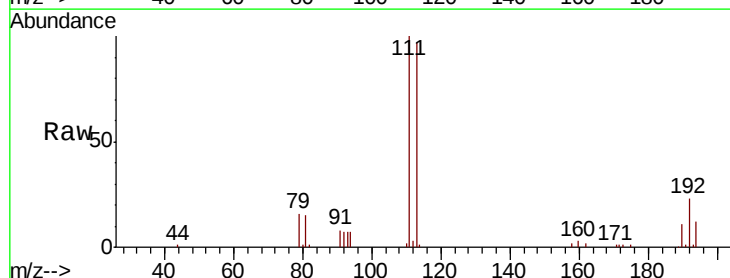


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

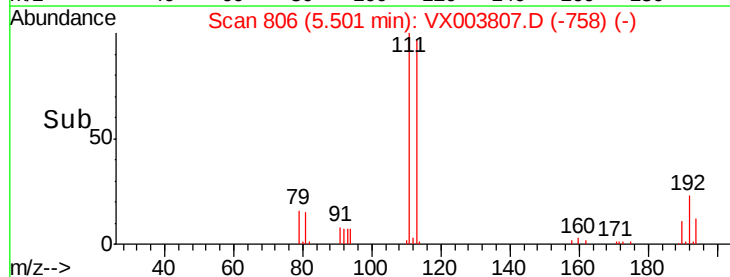
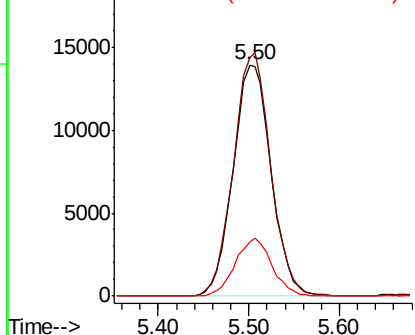


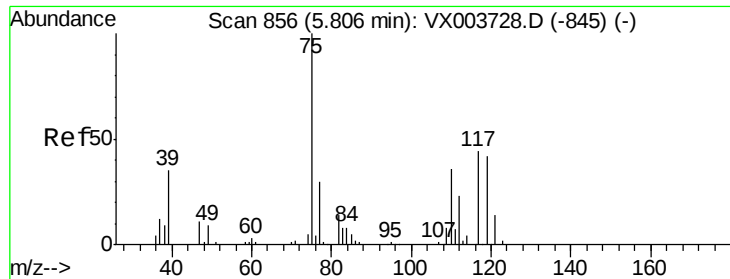
#35
 Dibromofluoromethane
 Concen: 42.89 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

Tgt Ion:113 Resp: 40491
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.6
 192 24.0 18.8 28.2



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

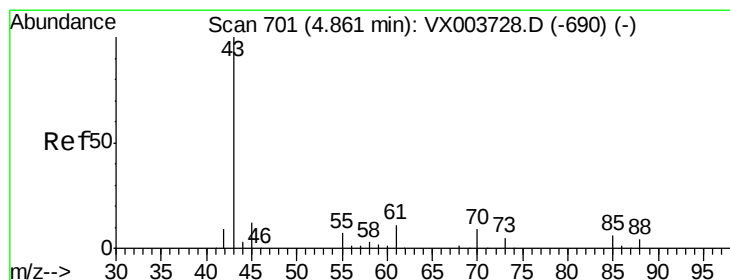
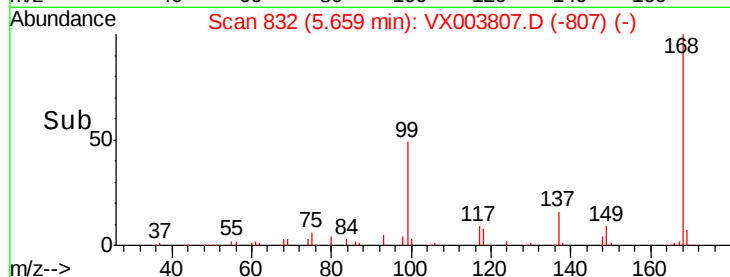
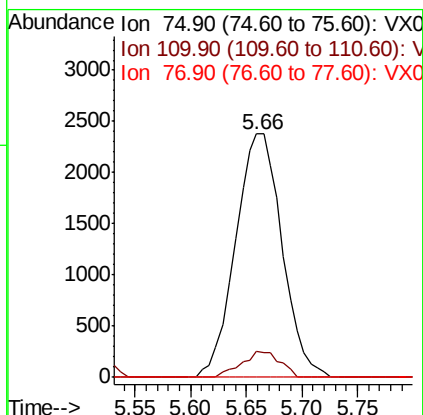
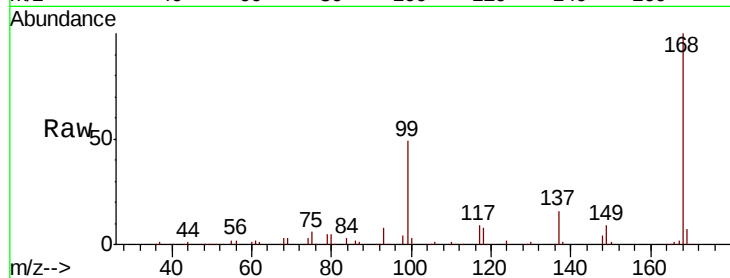




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

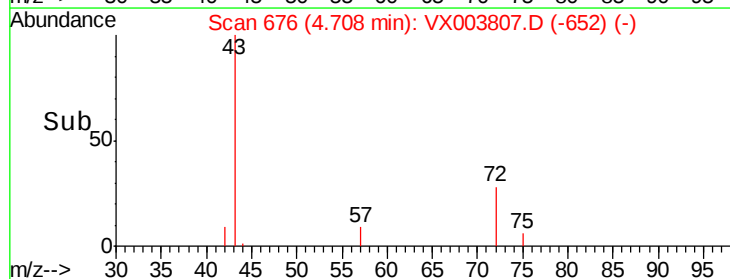
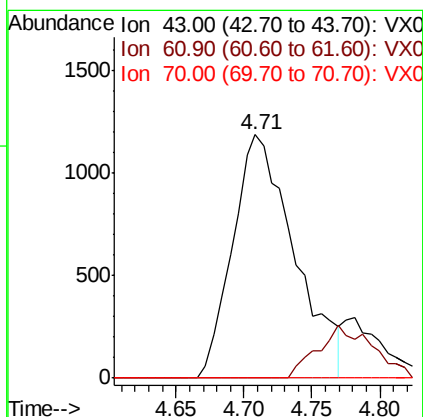
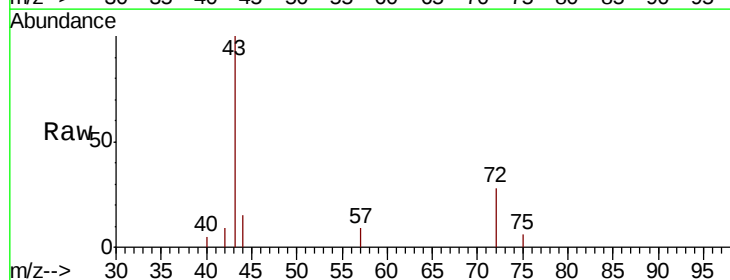
Instrument :
 MSVOA_X
 ClientSampleId :

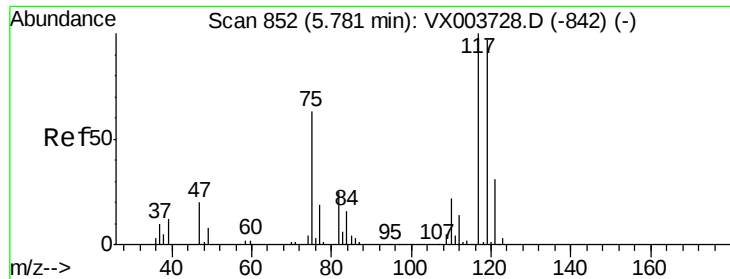
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.8#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 3.26 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003807.D
 Acq: 01 Aug 2018 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#

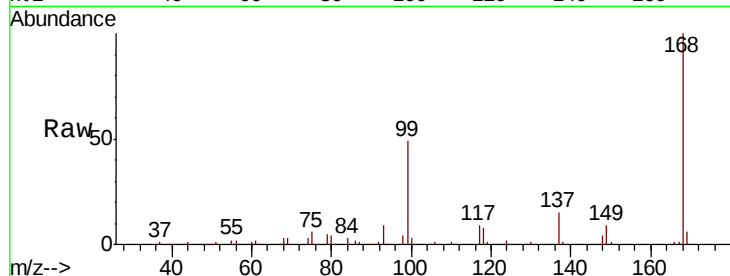




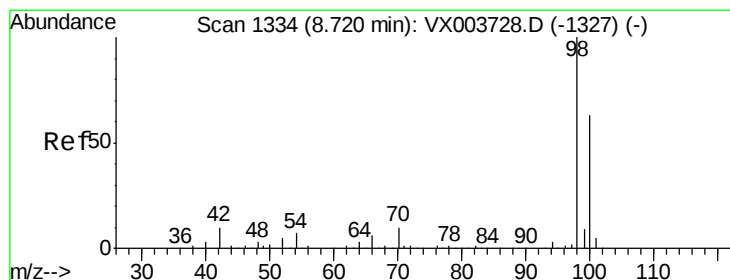
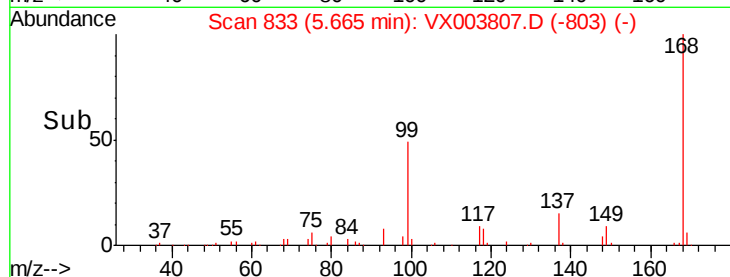
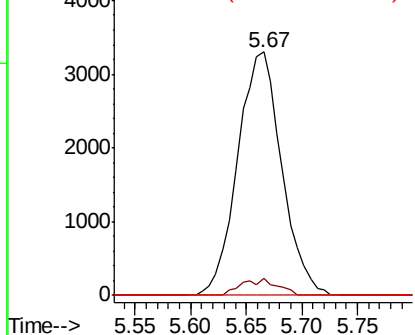
#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003807.D
Acq: 01 Aug 2018 20:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 9064
Ion Ratio Lower Upper
117 100
119 7.3 77.2 115.8#
121 0.0 25.0 37.4#

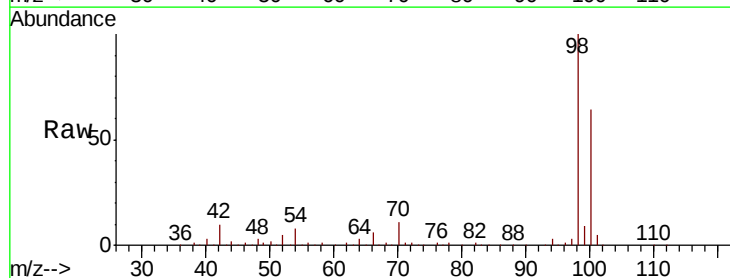


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

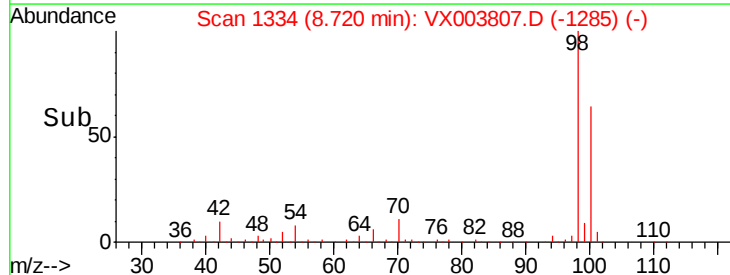
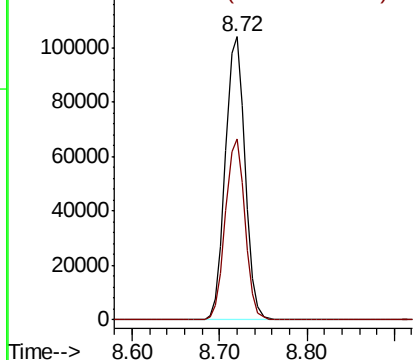


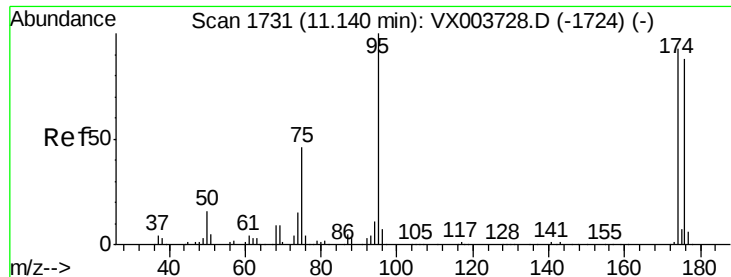
#50
Toluene-d8
Concen: 41.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003807.D
Acq: 01 Aug 2018 20:55

Tgt Ion: 98 Resp: 162193
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 37.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

ClientSampled :

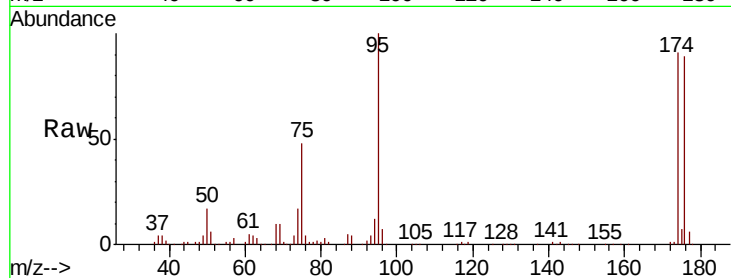
Tot Ion: 95 Resp: 54417

Ion Ratio Lower Upper

95 100

174 93.2 0.0 186.2

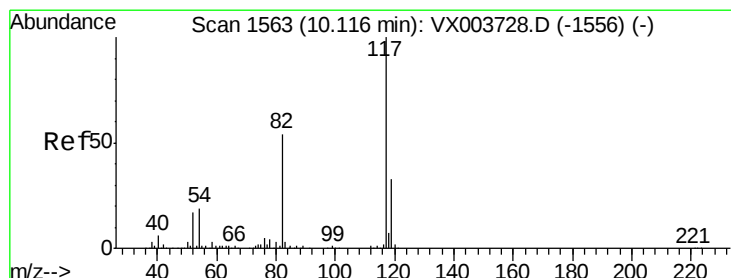
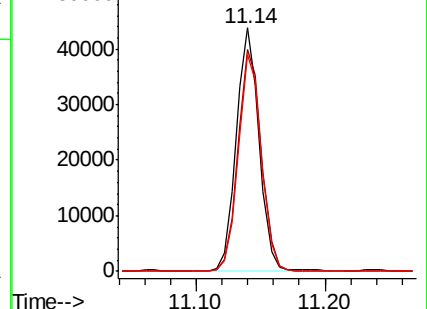
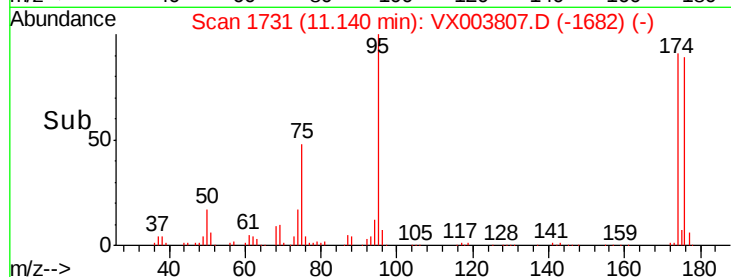
176 89.5 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX003807.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003807.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003807.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

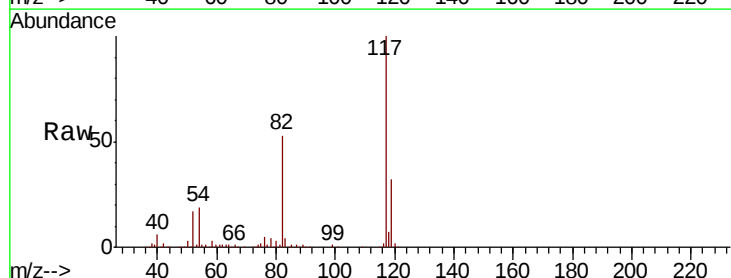
Tgt Ion: 117 Resp: 143144

Ion Ratio Lower Upper

117 100

82 53.4 43.2 64.8

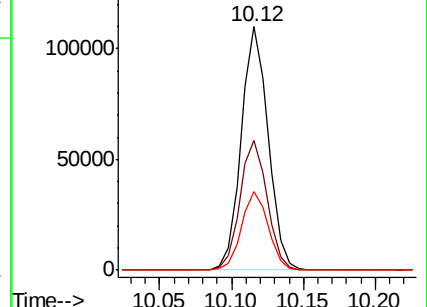
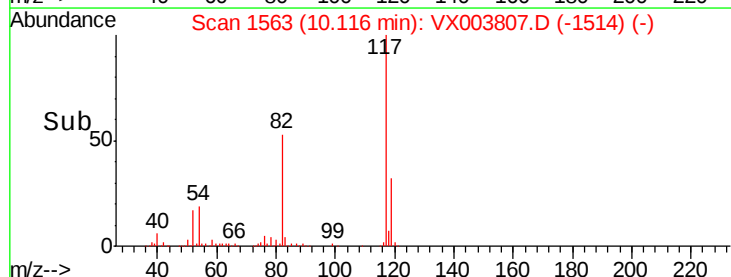
119 32.0 26.3 39.5

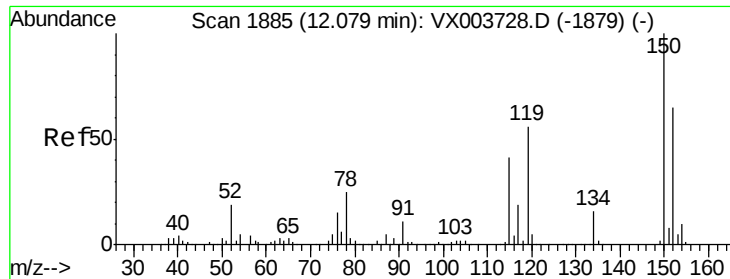


Abundance Ion 116.90 (116.60 to 117.60): VX003807.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003807.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003807.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

ClientSampleId :

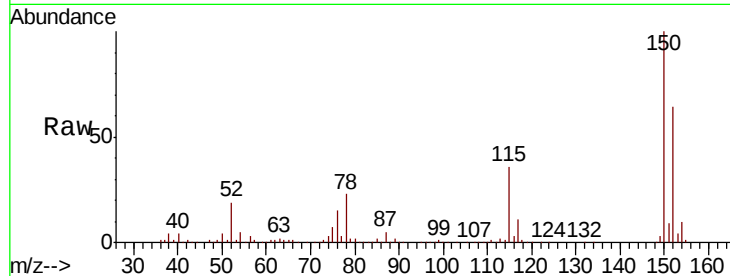
Tot Ion:152 Resp: 68255

Ion Ratio Lower Upper

152 100

115 54.8 38.5 115.3

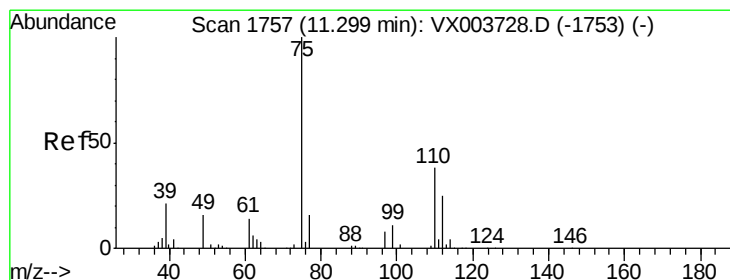
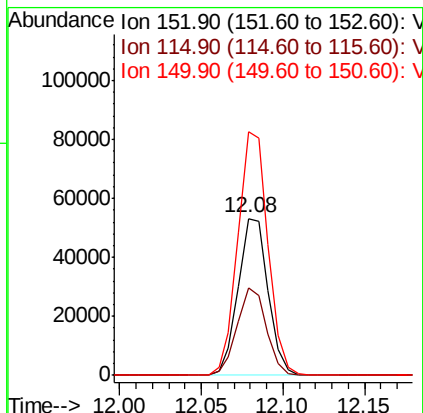
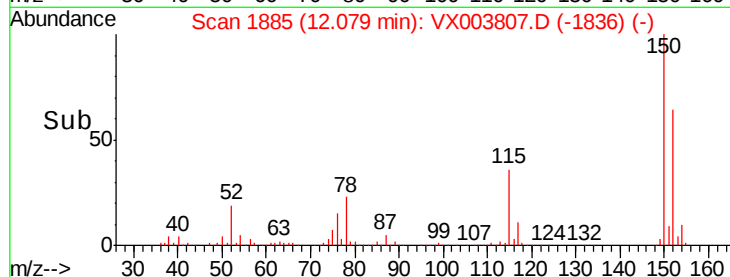
150 155.8 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003807.D

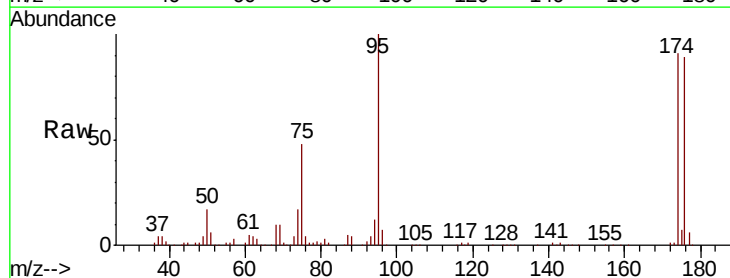
Acq: 01 Aug 2018 20:55

Tgt Ion: 75 Resp: 26236

Ion Ratio Lower Upper

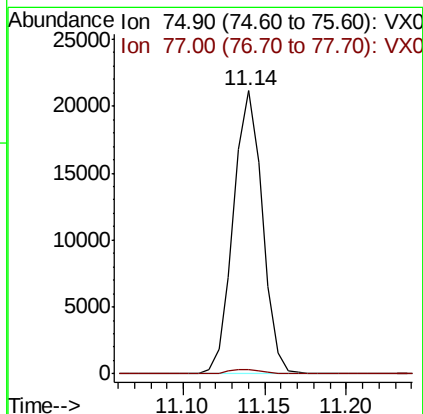
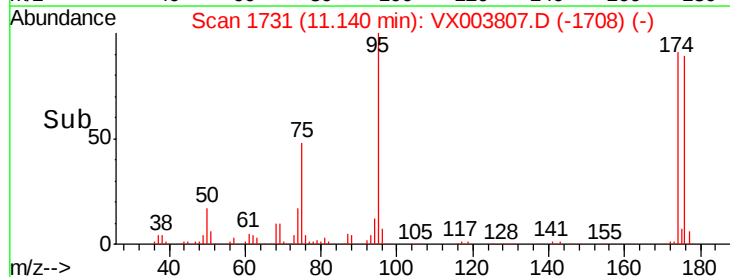
75 100

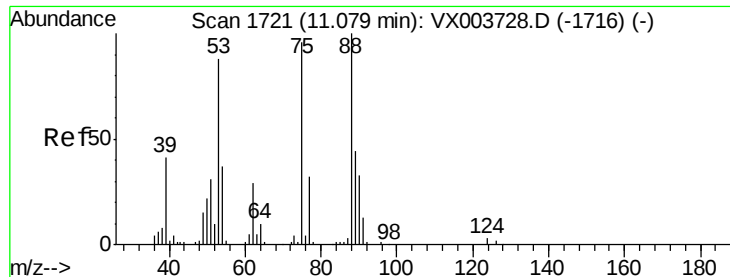
77 1.9 21.6 65.0#



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: 82.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003807.D

Acq: 01 Aug 2018 20:55

Instrument :

MSVOA_X

ClientSampled :

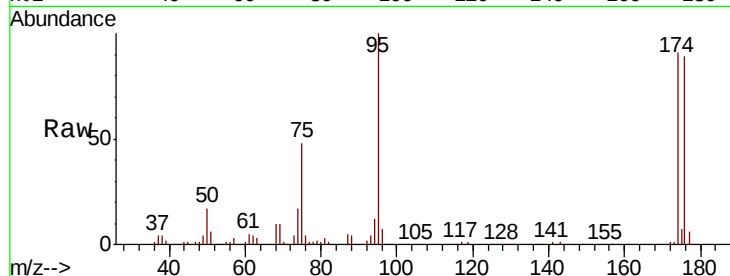
Tot Ion: 75 Resp: 26236

Ion Ratio Lower Upper

75 100

53 0.2 75.8 113.8#

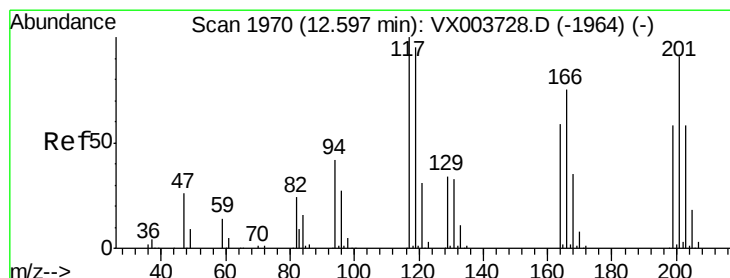
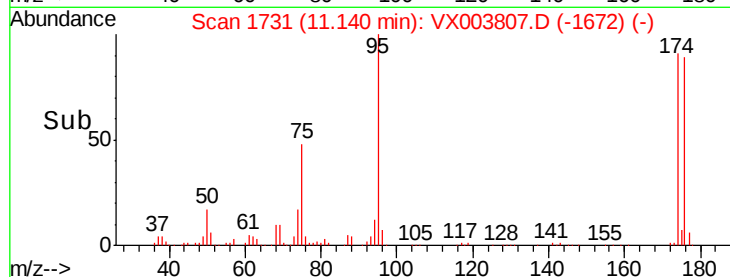
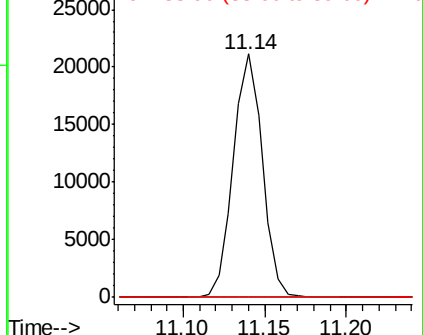
89 0.0 39.1 58.7#



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



#90

Hexachloroethane

Concen: 3.13 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX003807.D

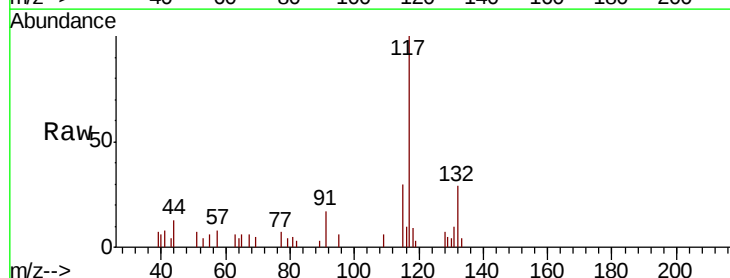
Acq: 01 Aug 2018 20:55

Tgt Ion: 117 Resp: 1948

Ion Ratio Lower Upper

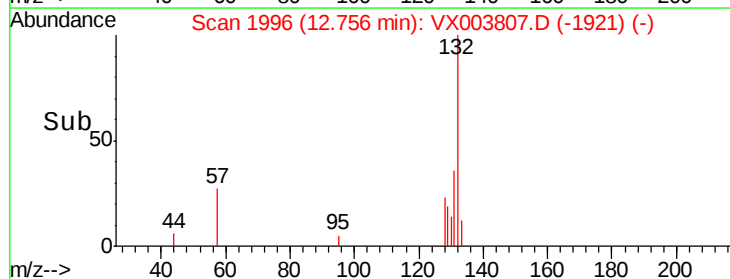
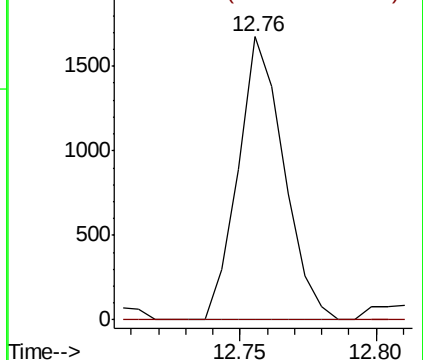
117 100

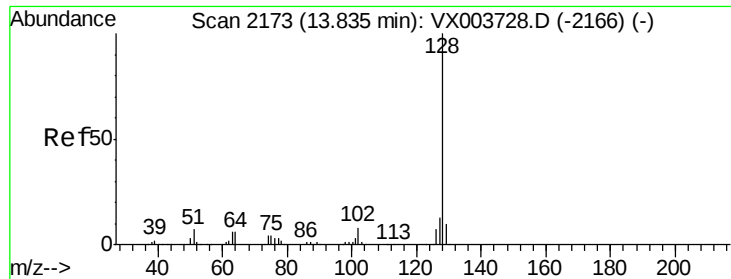
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

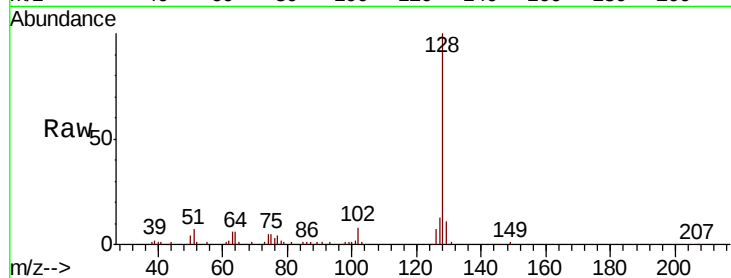




#95
Naphthalene
Concen: 5.20 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003807.D
Acq: 01 Aug 2018 20:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.4	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

