

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005888.D
 Acq On : 10 Nov 2018 03:58
 Operator : JC/MD
 Sample : J5889-14
 Misc : 13.32g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BOTTOM-E

Quant Time: Nov 11 23:58:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

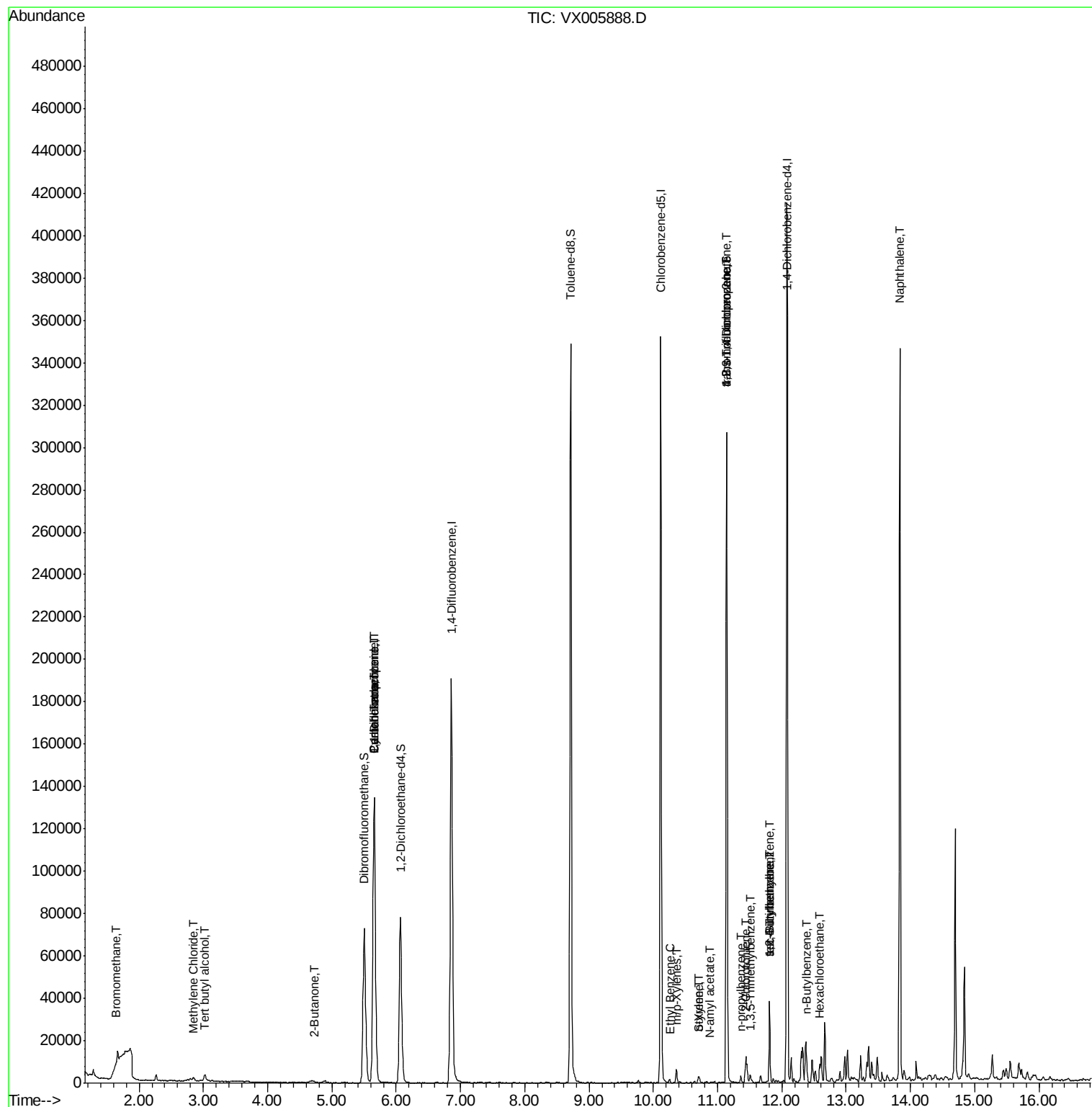
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	134010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	200935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	88090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	75778	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	5.50	113	62948	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
50) Toluene-d8	8.71	98	219890	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	79402	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	395	0.405	ug/l	84
11) Tert butyl alcohol	3.02	59	2419	5.481	ug/l #	72
18) Methyl Acetate	2.80	43	2310	Below Cal	#	85
20) Methylene Chloride	2.85	84	652	0.478	ug/l #	77
25) 2-Butanone	4.73	43	879	0.674	ug/l #	51
31) Cyclohexane	5.65	56	2386	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9075	4.685	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12619	6.507	ug/l #	15
67) Ethyl Benzene	10.25	91	1118	0.209	ug/l	95
68) m/p-Xylenes	10.36	106	1462	0.716	ug/l	94
69) o-Xylene	10.70	106	571	0.312	ug/l	97
70) Styrene	10.71	104	874	0.289	ug/l	90
74) N-amyl acetate	10.88	43	22	1.258	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	38573	21.505	ug/l #	36
78) n-propylbenzene	11.36	91	2243	0.374	ug/l	97
79) 2-Chlorotoluene	11.44	91	1346	0.371	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	1675	0.387	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	38573	68.539	ug/l #	9
83) tert-Butylbenzene	11.81	119	2113	0.482	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.81	105	16434	3.328	ug/l	98
85) sec-Butylbenzene	11.81	105	16434	3.069	ug/l #	56
89) n-Butylbenzene	12.39	91	4066	0.925	ug/l #	52
90) Hexachloroethane	12.59	117	452	0.571	ug/l #	2
95) Naphthalene	13.83	128	205381	32.821	ug/l	100

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

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ClientSampled :
BOTTOM-E

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QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampled :

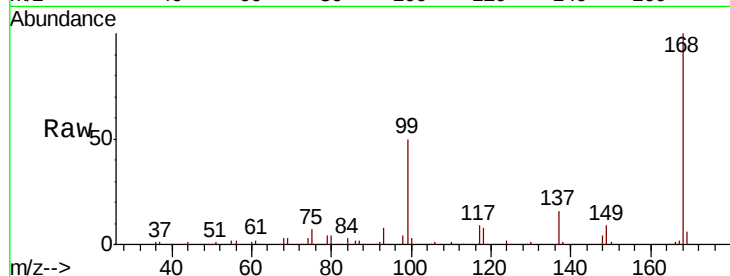
BOTTOM-E

Tot Ion:168 Resp: 134010

Ion Ratio Lower Upper

168 100

99 49.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

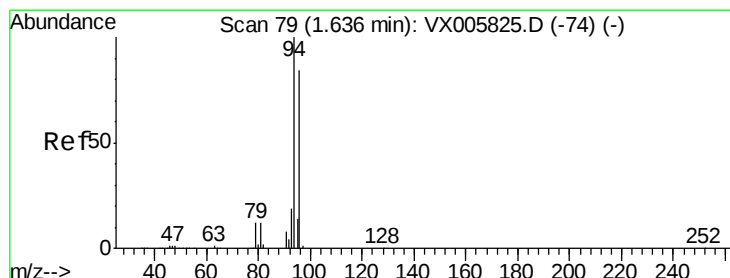
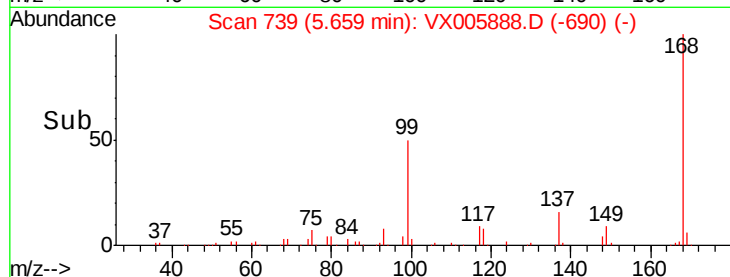
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.405 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005888.D

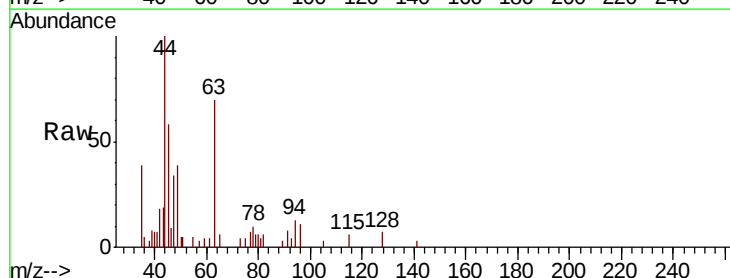
Acq: 10 Nov 2018 03:58

Tgt Ion: 94 Resp: 395

Ion Ratio Lower Upper

94 100

96 78.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

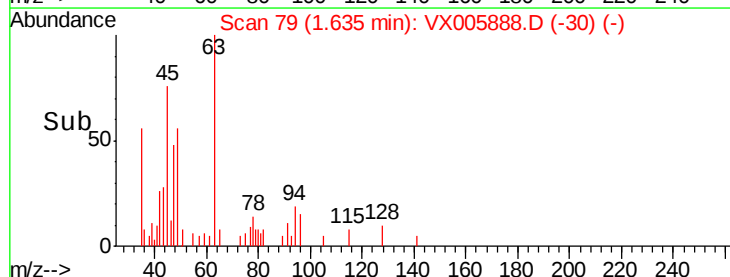
150

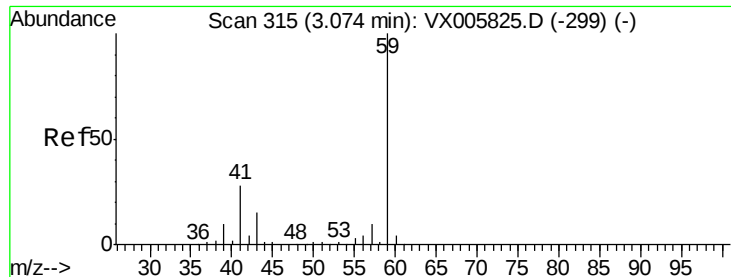
100

50

0

Time--> 1.60 1.65 1.70

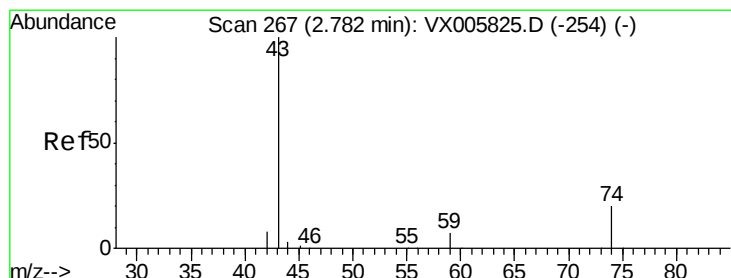
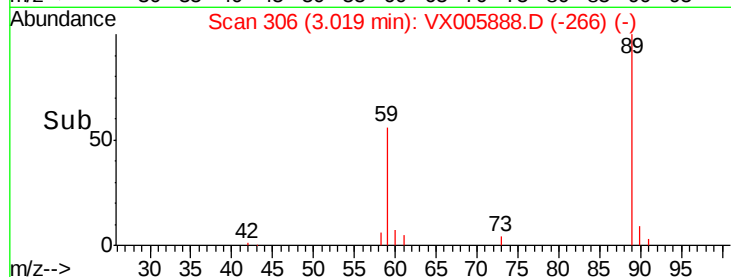
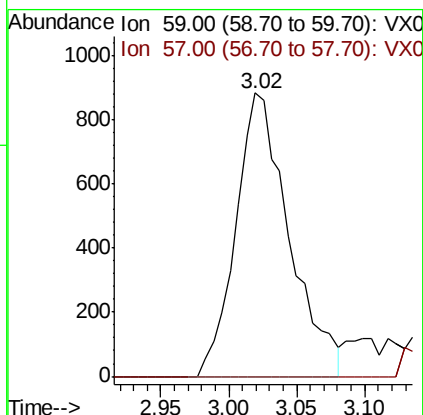
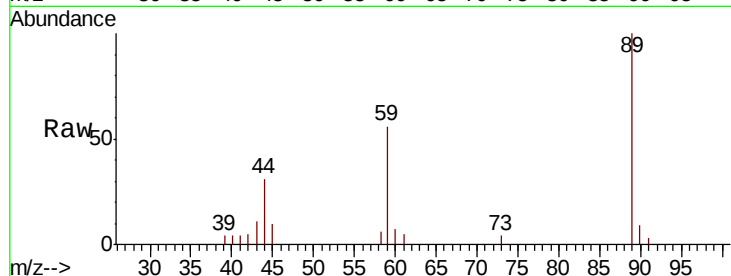




#11
Tert butyl alcohol
Concen: 5.481 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

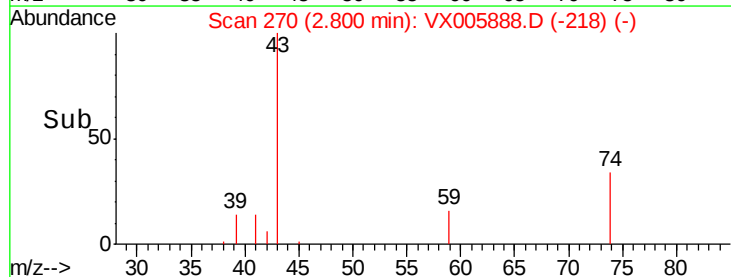
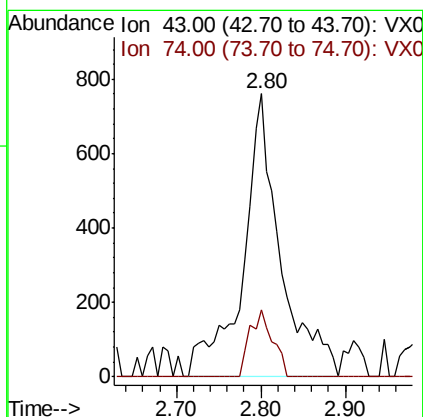
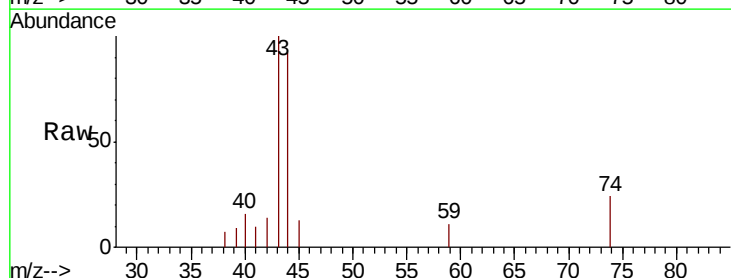
Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

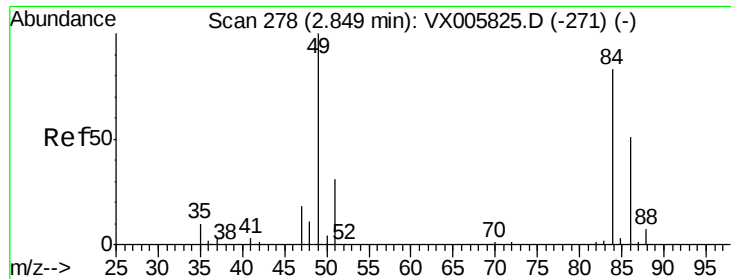
Tot Ion: 59 Resp: 2419
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
74 14.1 16.8 25.2#

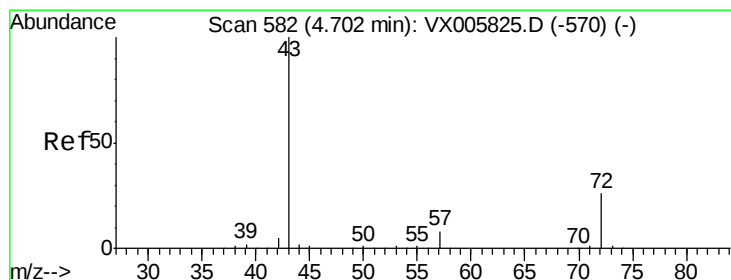
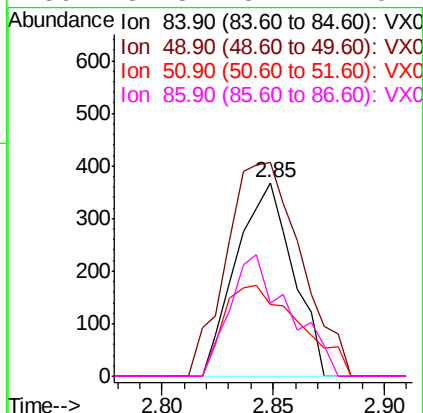
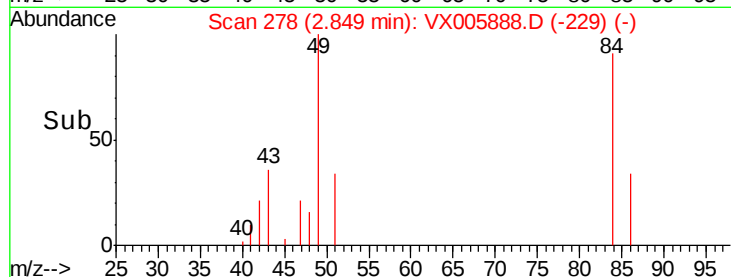
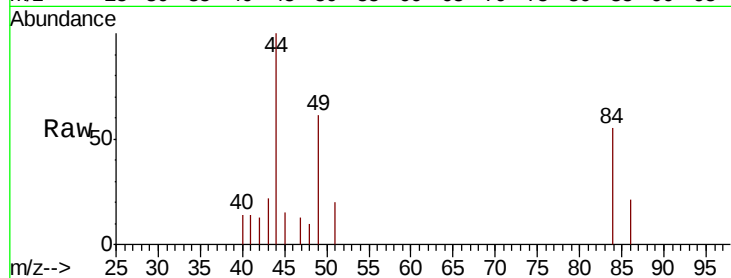




#20
Methvlene Chloride
Concen: 0.478 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

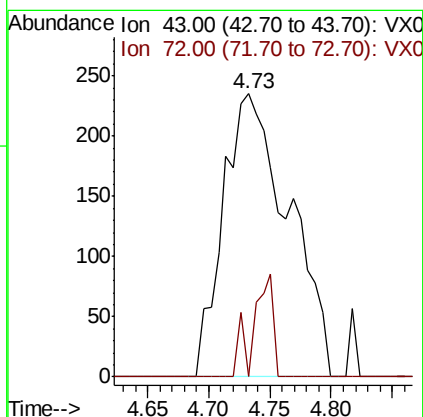
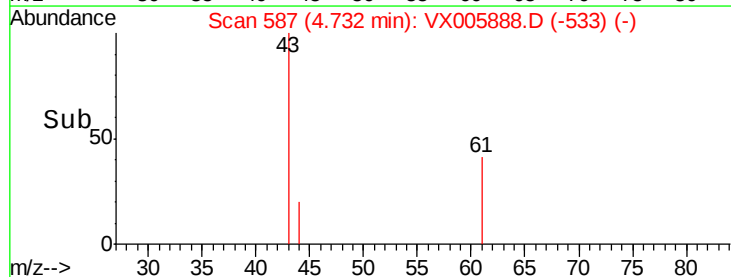
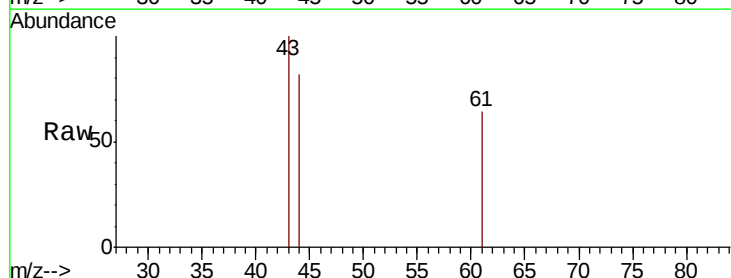
Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

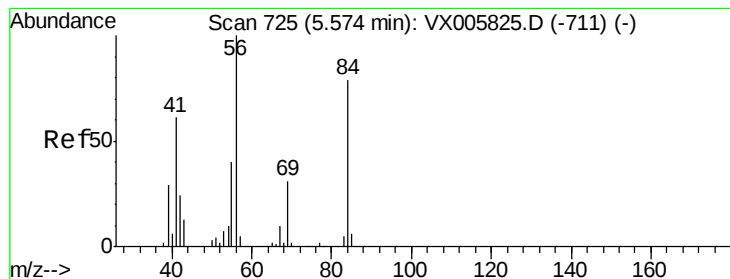
Tot Ion: 84 Resp: 652
Ion Ratio Lower Upper
84 100
49 110.3 109.5 164.3
51 37.2 33.3 49.9
86 37.8 52.7 79.1#



#25
2-Butanone
Concen: 0.674 ug/l
RT: 4.73 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampleId :

BOTTOM-E

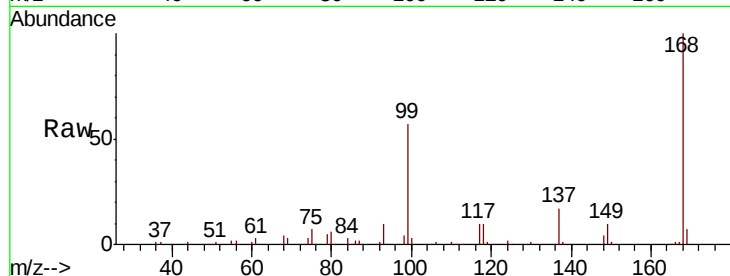
Tot Ion: 56 Resp: 2386

Ion Ratio Lower Upper

56 100

69 167.3 22.6 34.0#

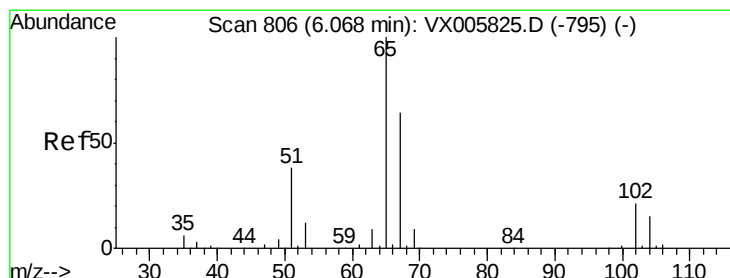
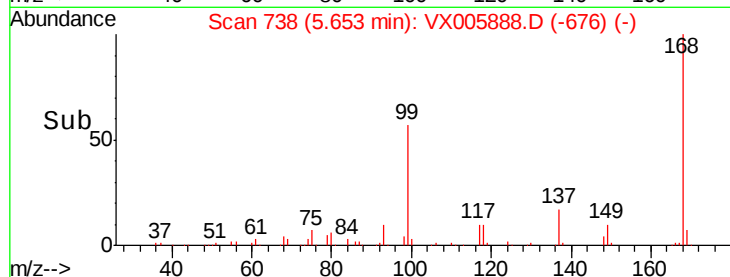
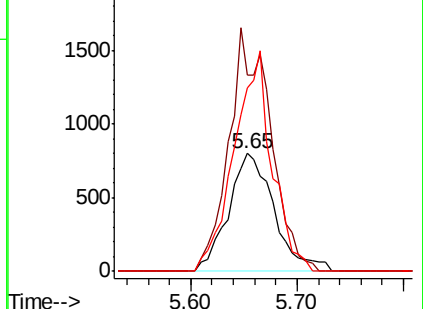
84 156.0 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.187 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005888.D

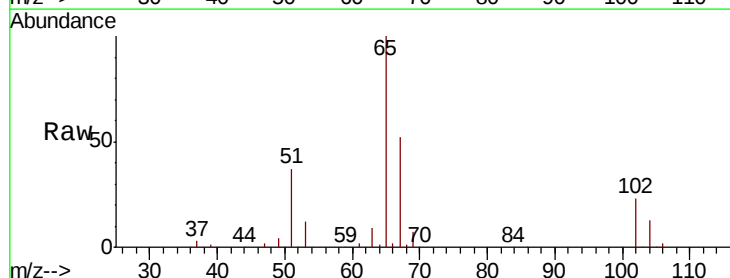
Acq: 10 Nov 2018 03:58

Tgt Ion: 65 Resp: 75778

Ion Ratio Lower Upper

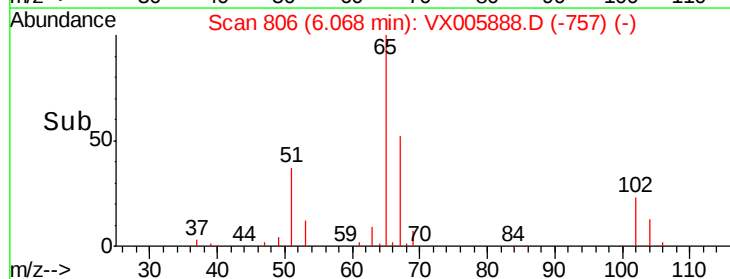
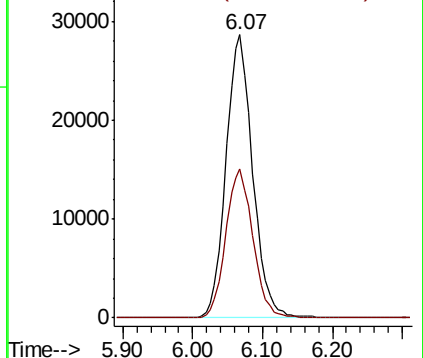
65 100

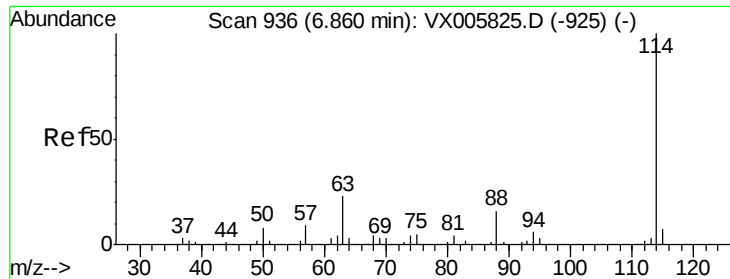
67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

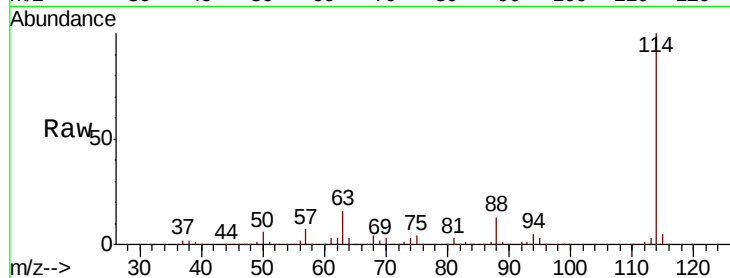




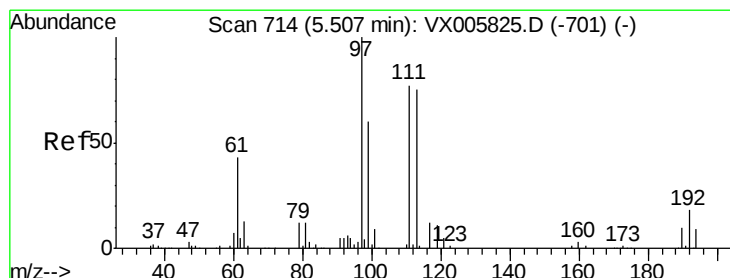
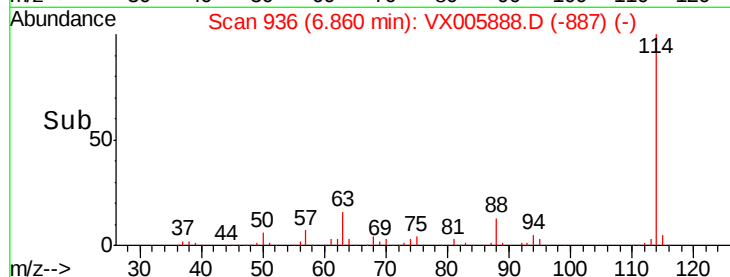
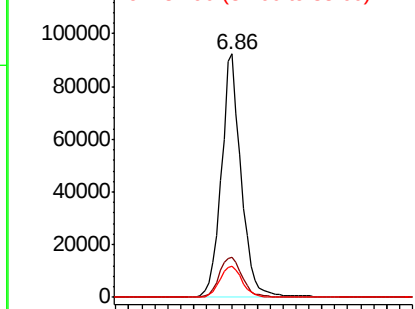
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

Tot Ion:114 Resp: 200935
Ion Ratio Lower Upper
114 100
63 16.3 0.0 42.8
88 13.0 0.0 31.2

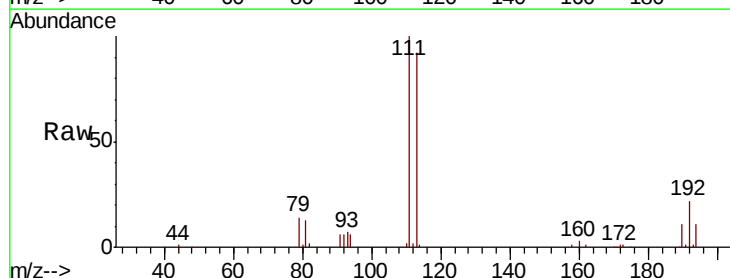


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

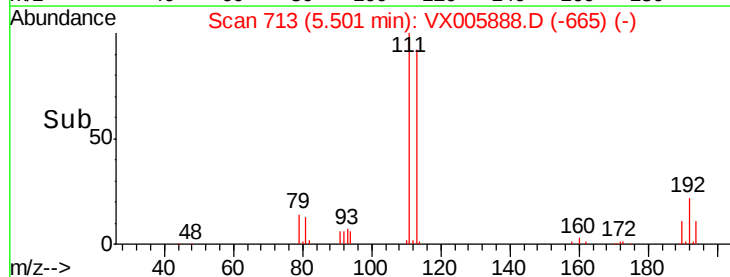
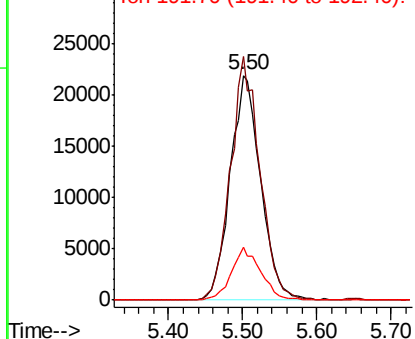


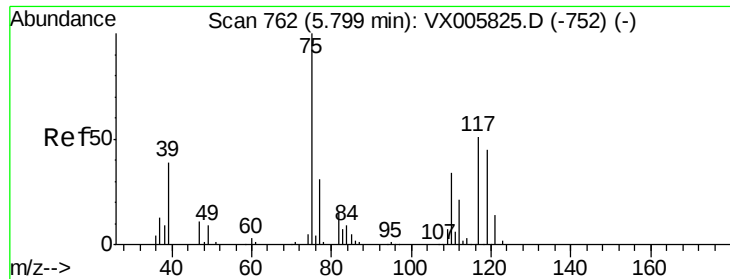
#35
Dibromofluoromethane
Concen: 46.060 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion:113 Resp: 62948
Ion Ratio Lower Upper
113 100
111 104.1 82.3 123.5
192 22.4 17.9 26.9



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

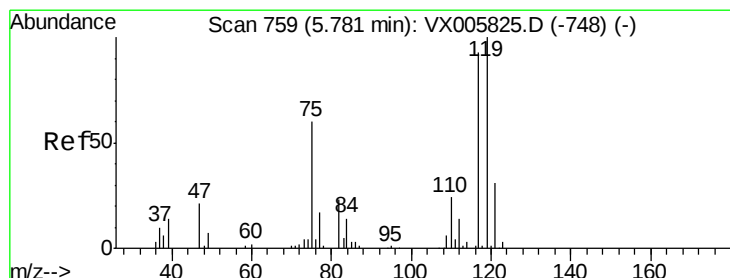
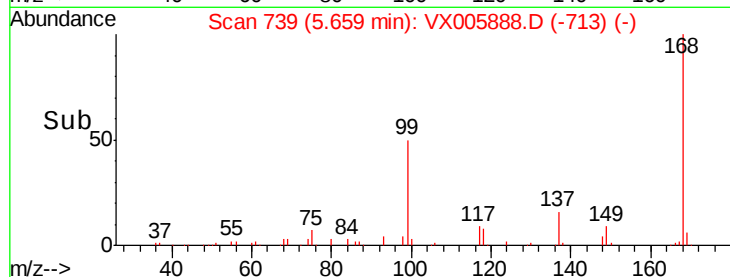
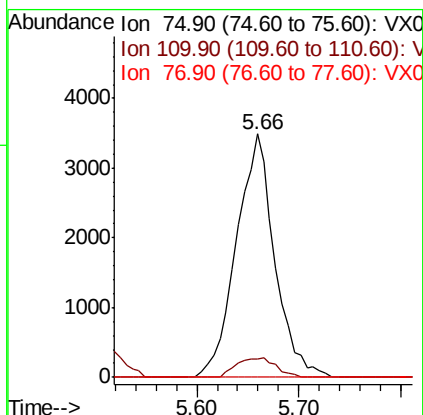
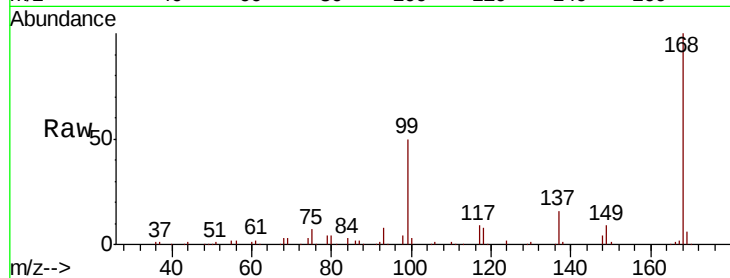




#36
 1,1-Dichloropropene
 Concen: 4.685 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005888.D
 Acq: 10 Nov 2018 03:58

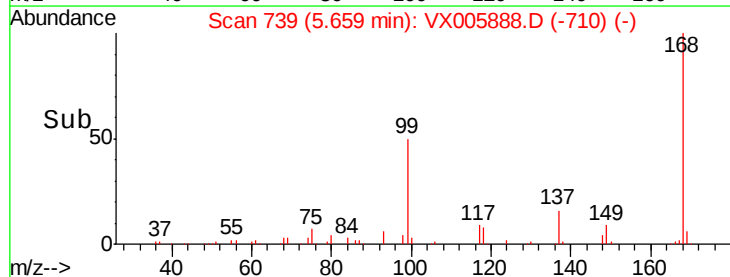
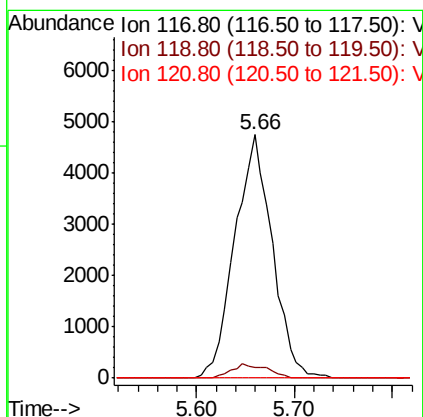
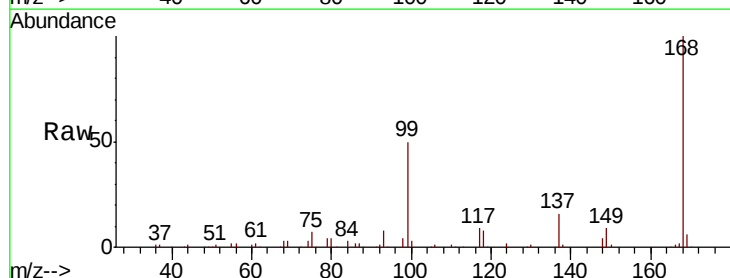
Instrument :
 MSVOA_X
 ClientSampleId :
 BOTTOM-E

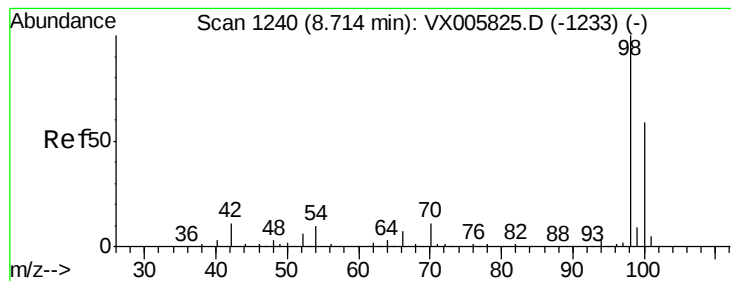
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.507 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005888.D
 Acq: 10 Nov 2018 03:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 48.396 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampleId :

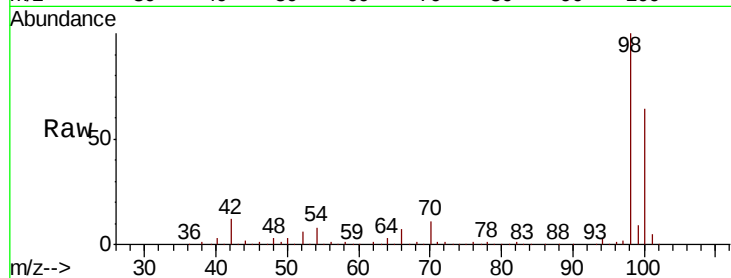
BOTTOM-E

Tot Ion: 98 Resp: 219890

Ion Ratio Lower Upper

98 100

100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX005825.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX005825.D (-1233) (-)

8.71

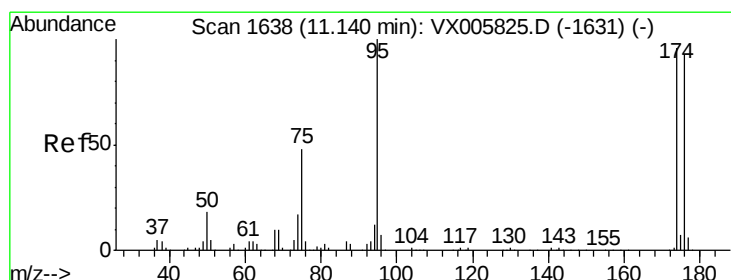
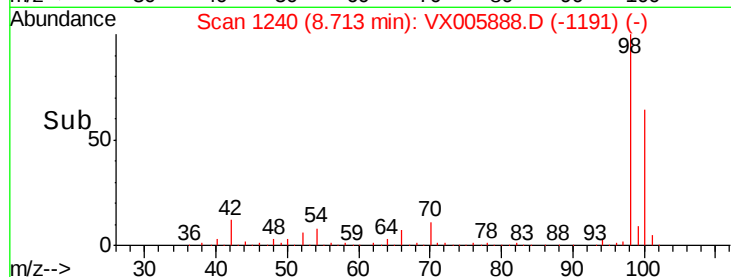
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.606 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

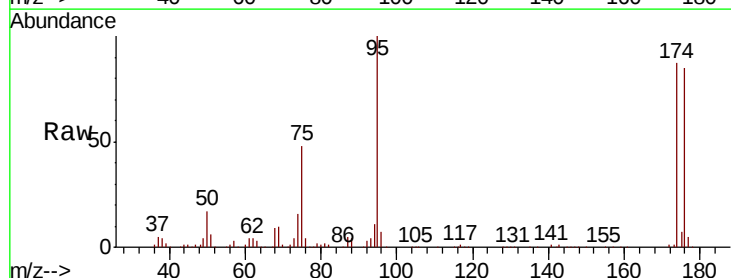
Tgt Ion: 95 Resp: 79402

Ion Ratio Lower Upper

95 100

174 89.7 0.0 184.4

176 88.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

11.14

80000

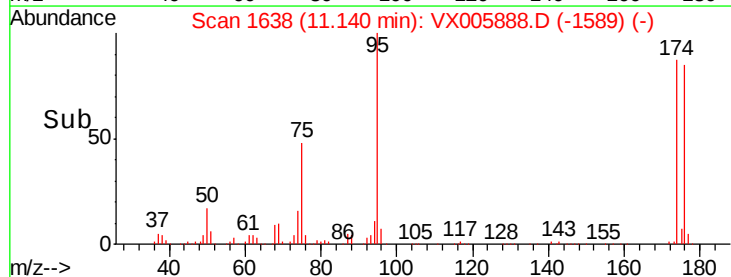
60000

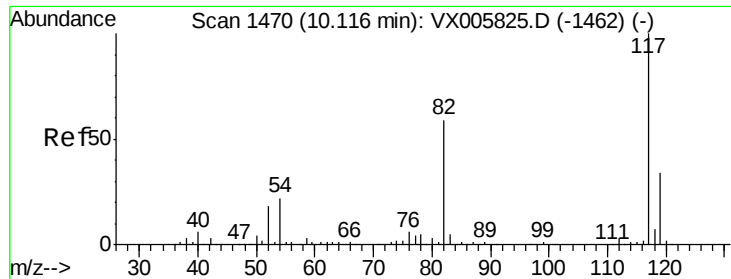
40000

20000

0

Time-->

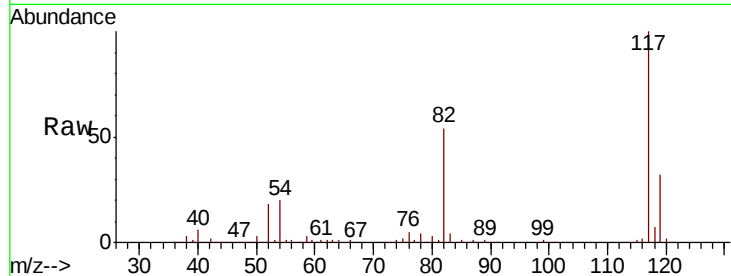




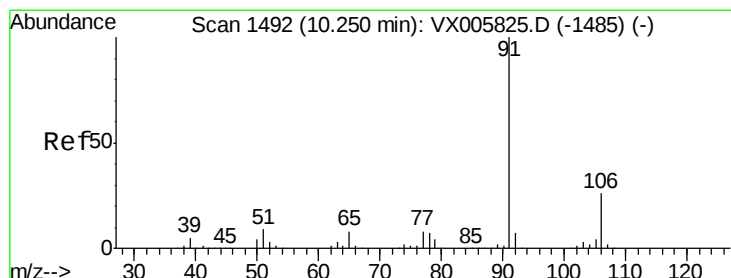
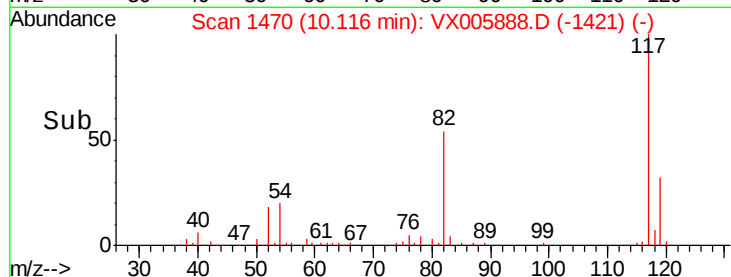
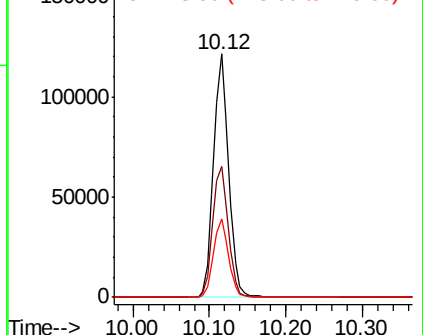
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

Tot Ion:117 Resp: 166567
Ion Ratio Lower Upper
117 100
82 54.0 44.1 66.1
119 32.0 26.2 39.2

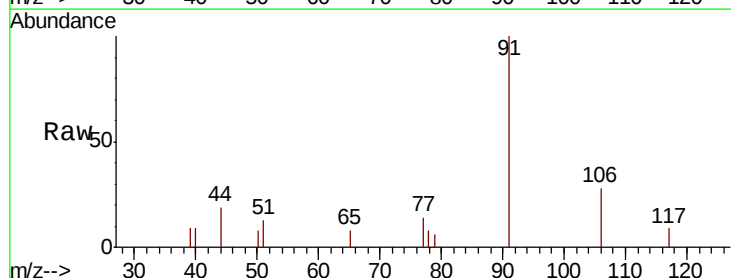


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

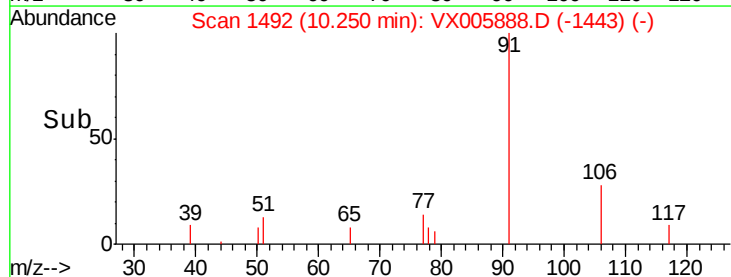
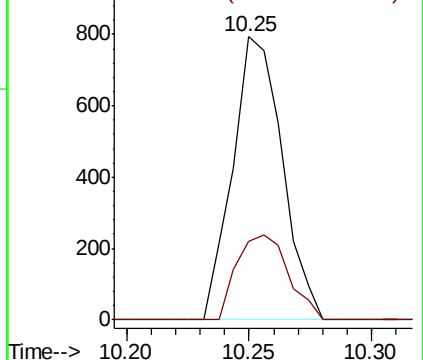


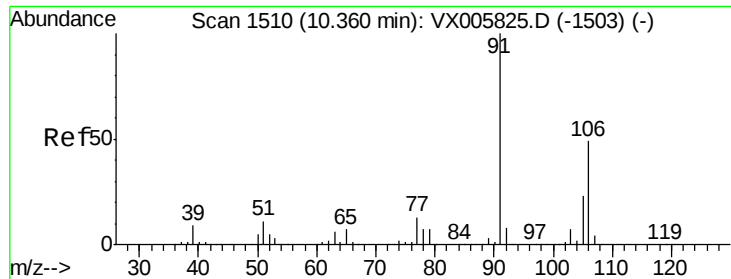
#67
Ethyl Benzene
Concen: 0.209 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion: 91 Resp: 1118
Ion Ratio Lower Upper
91 100
106 27.7 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

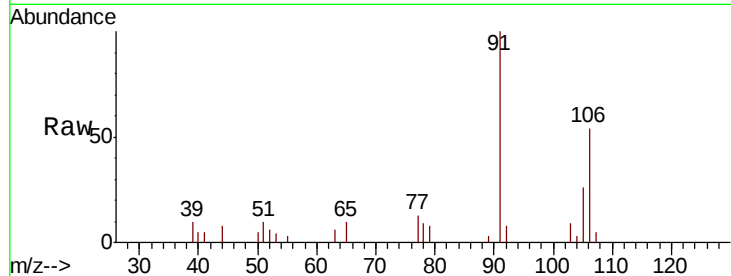




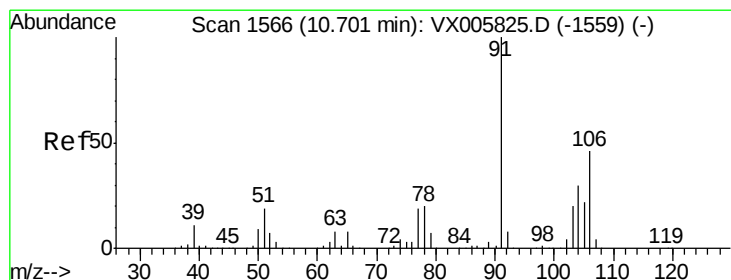
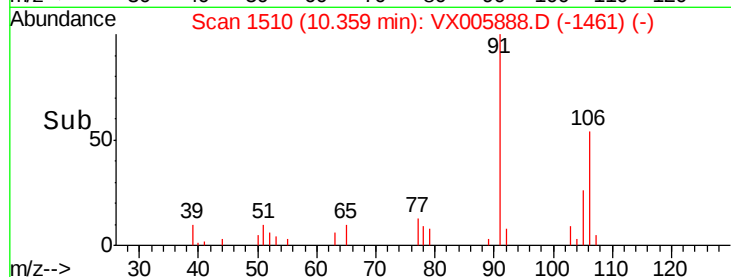
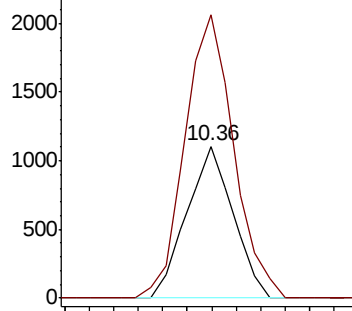
#68
m/p-Xylenes
Concen: 0.716 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

Tot Ion:106 Resp: 1462
Ion Ratio Lower Upper
106 100
91 195.6 164.2 246.4

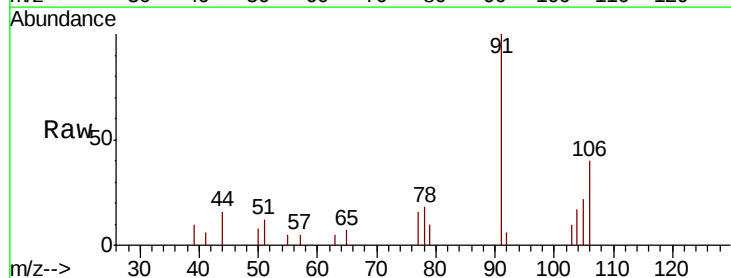


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

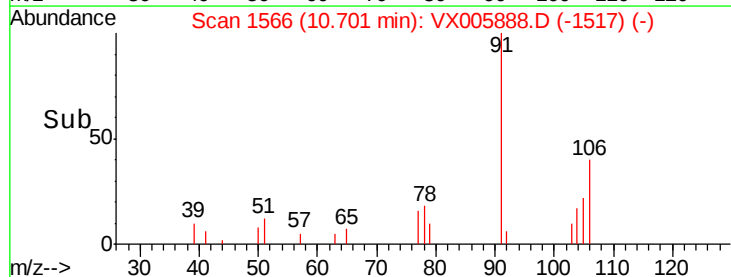
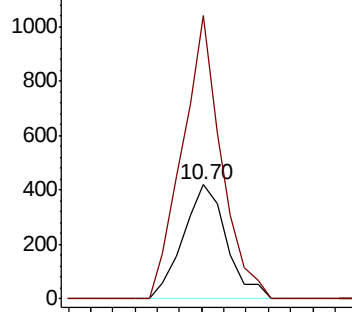


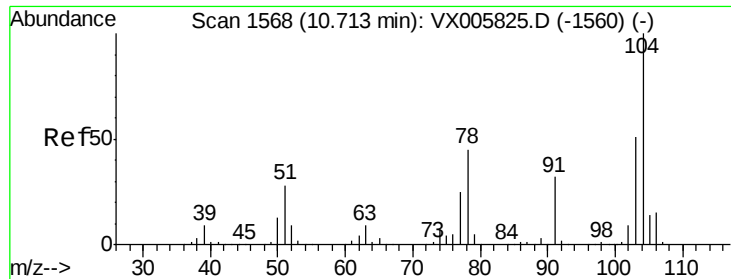
#69
o-Xylene
Concen: 0.312 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion:106 Resp: 571
Ion Ratio Lower Upper
106 100
91 222.1 108.5 325.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

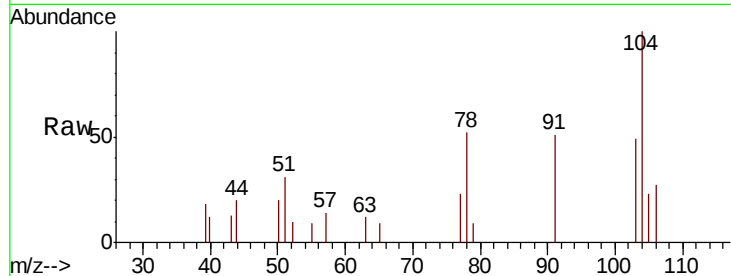




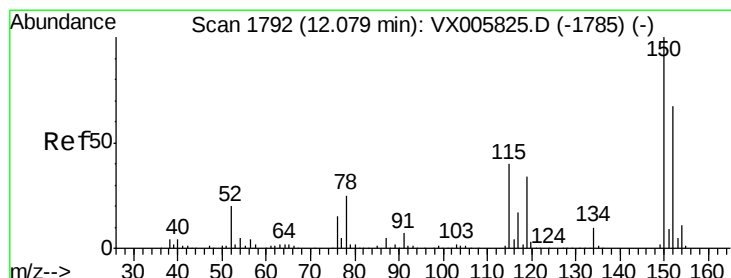
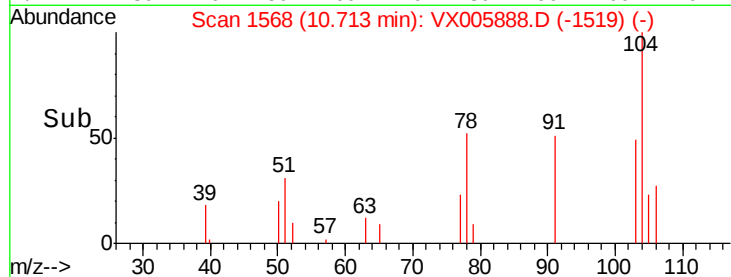
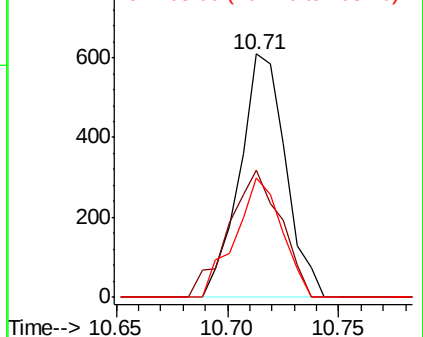
#70
Stvrene
Concen: 0.289 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

Tot Ion:104 Resp: 874
Ion Ratio Lower Upper
104 100
78 59.0 40.2 60.4
103 50.1 44.9 67.3

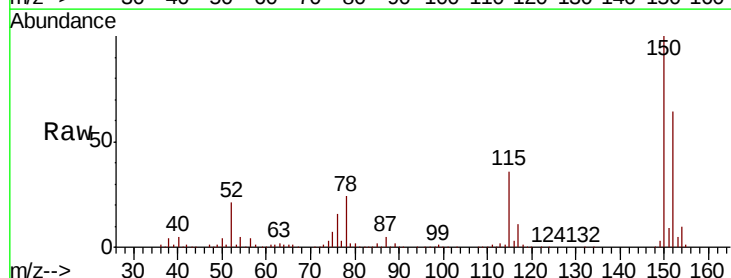


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

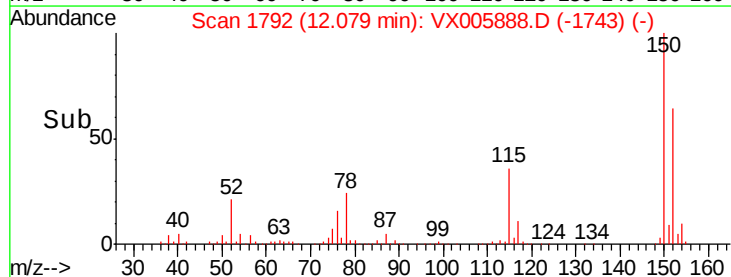
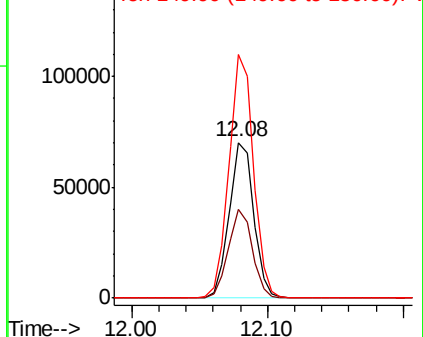


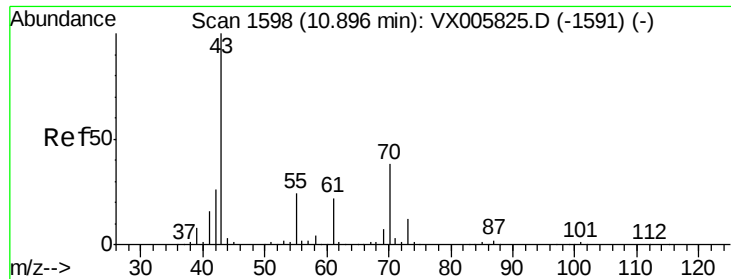
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion:152 Resp: 88090
Ion Ratio Lower Upper
152 100
115 56.0 39.4 118.1
150 156.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.258 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampled :

BOTTOM-E

Tot Ion: 43 Resp: 22

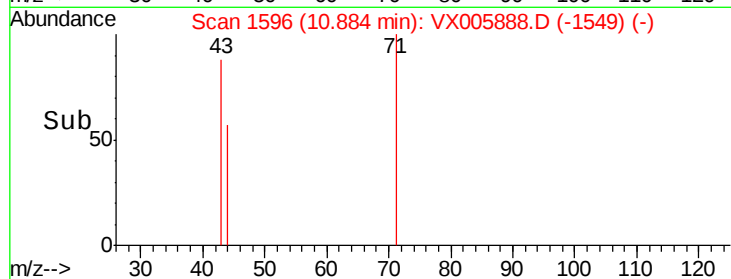
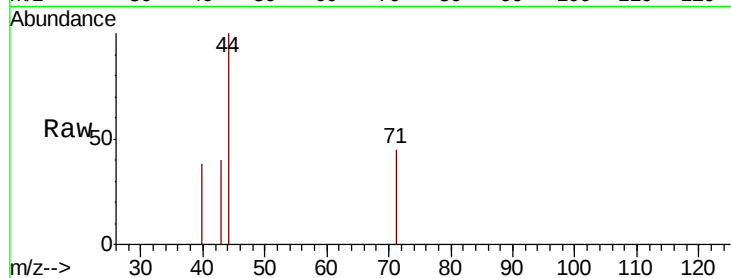
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 86.4 19.7 29.5#

61 0.0 18.3 27.5#

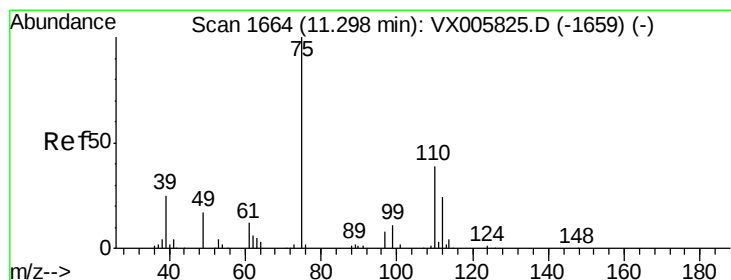
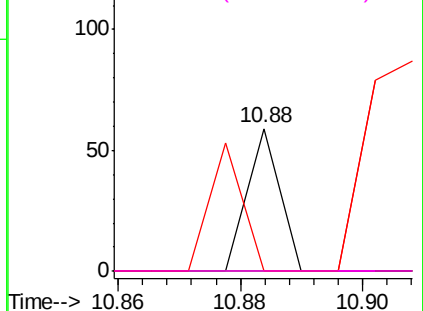


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.505 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005888.D

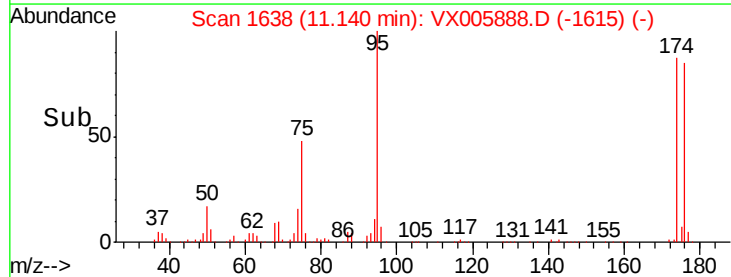
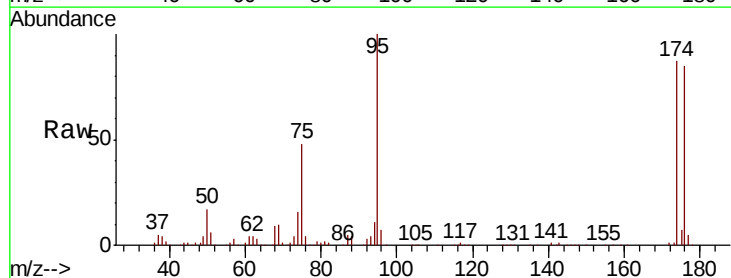
Acq: 10 Nov 2018 03:58

Tgt Ion: 75 Resp: 38573

Ion Ratio Lower Upper

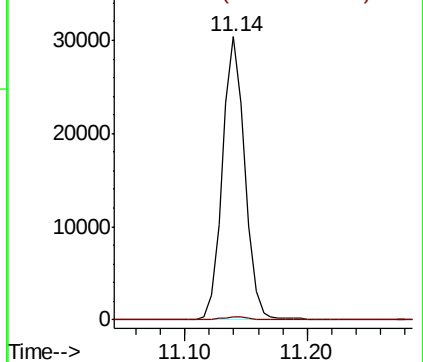
75 100

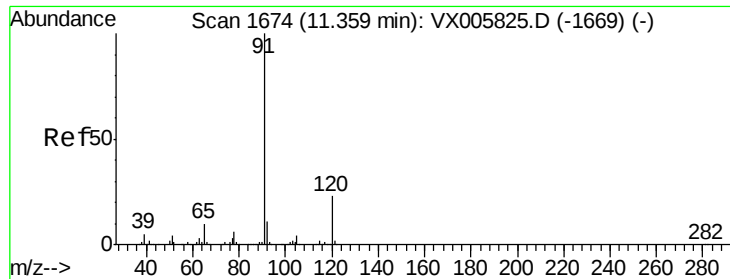
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.374 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampled :

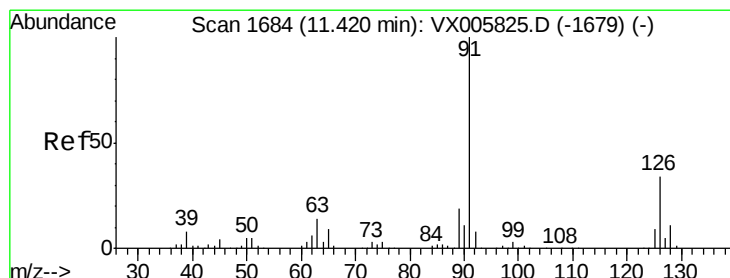
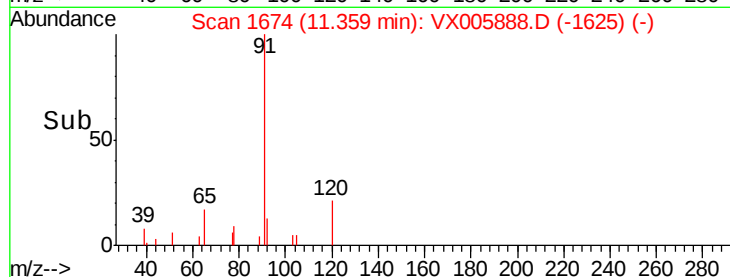
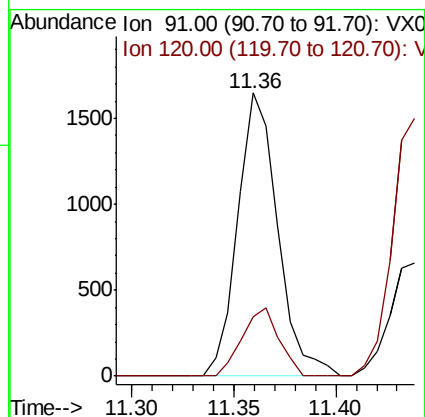
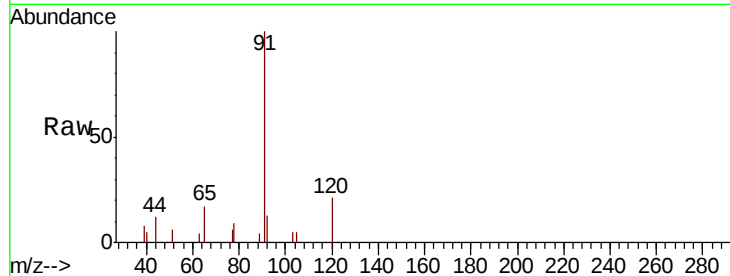
BOTTOM-E

Tot Ion: 91 Resp: 2243

Ion Ratio Lower Upper

91 100

120 22.2 11.9 35.5



#79

2-Chlorotoluene

Concen: 0.371 ug/l

RT: 11.44 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VX005888.D

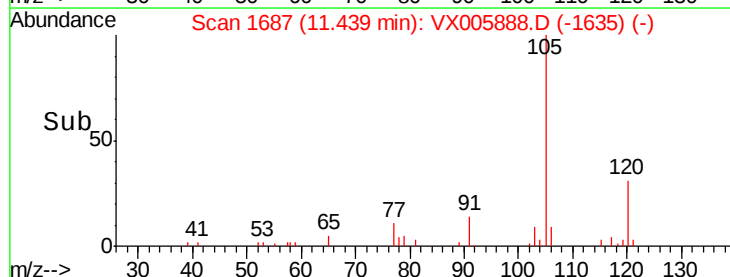
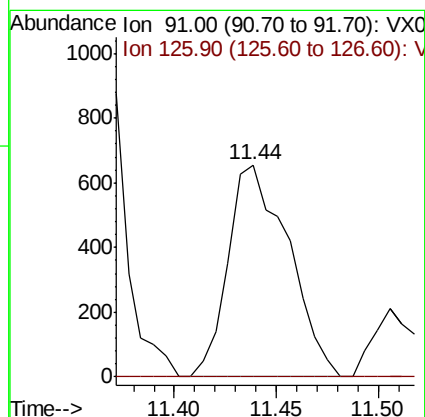
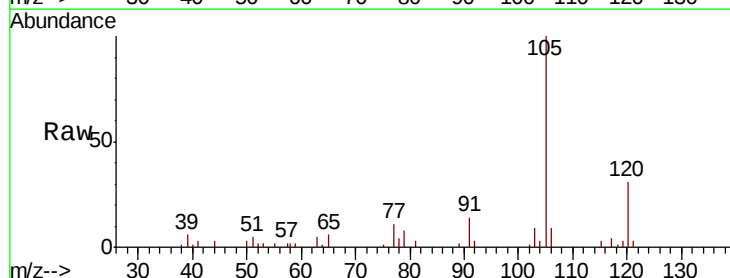
Acq: 10 Nov 2018 03:58

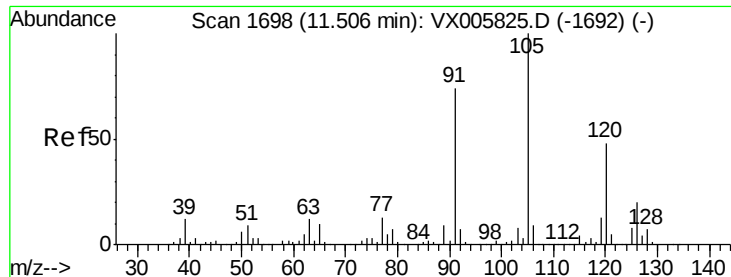
Tgt Ion: 91 Resp: 1346

Ion Ratio Lower Upper

91 100

126 0.0 17.3 52.0#

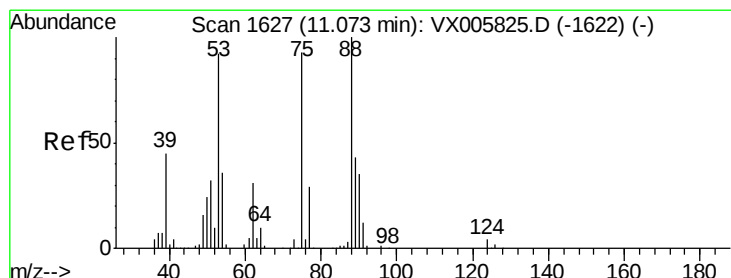
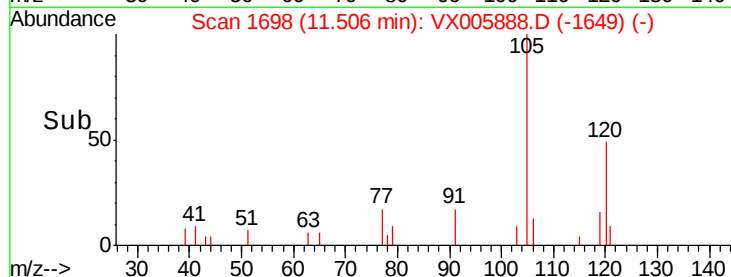
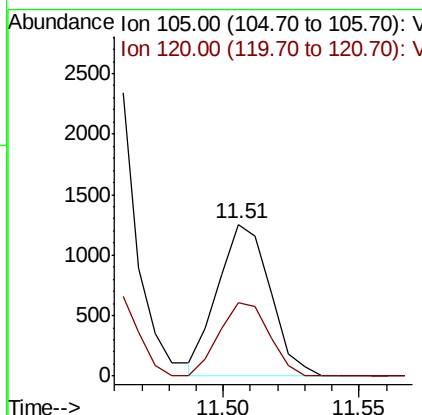
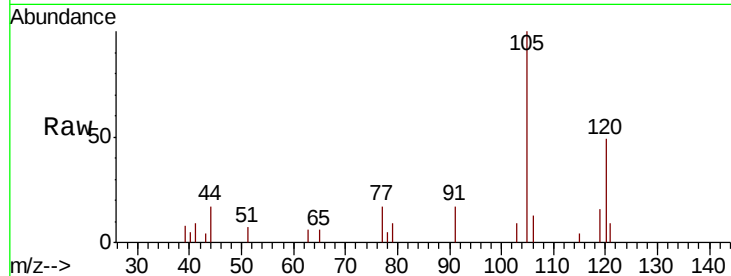




#80
 1,3,5-Trimethylbenzene
 Concen: 0.387 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005888.D
 Acq: 10 Nov 2018 03:58

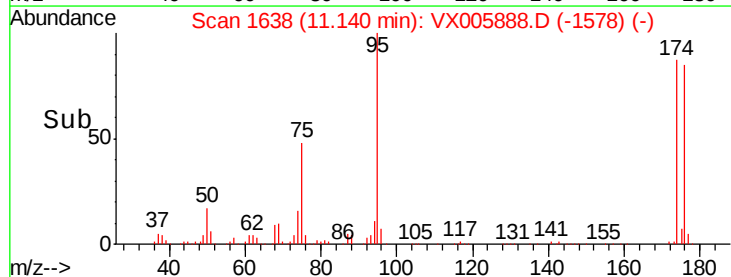
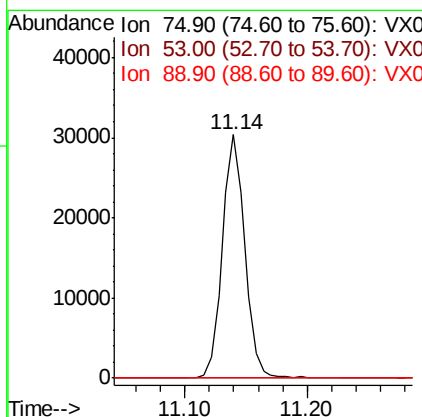
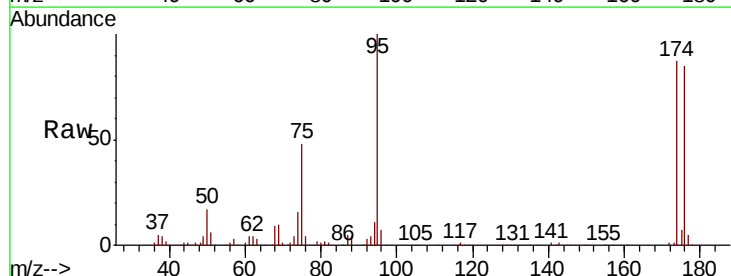
Instrument :
 MSVOA_X
 ClientSampled :
 BOTTOM-E

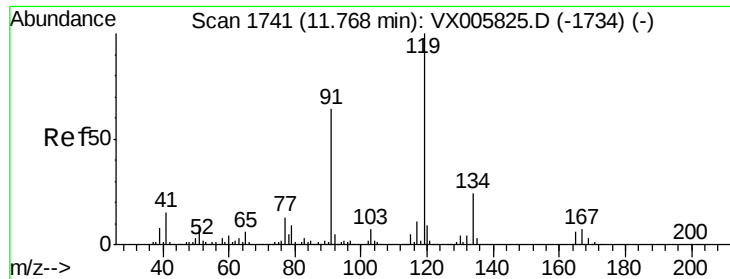
Tot Ion:105 Resp: 1675
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.539 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005888.D
 Acq: 10 Nov 2018 03:58

Tgt Ion: 75 Resp: 38573
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#

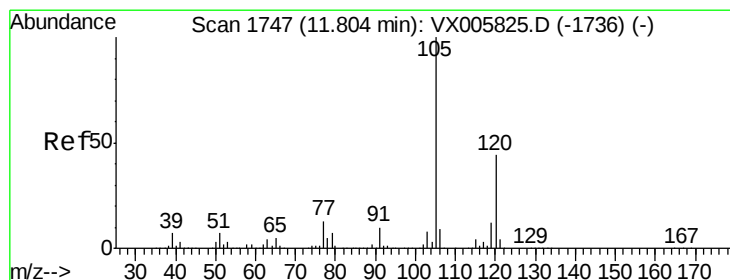
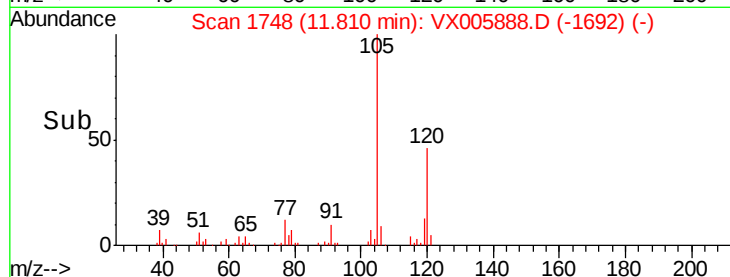
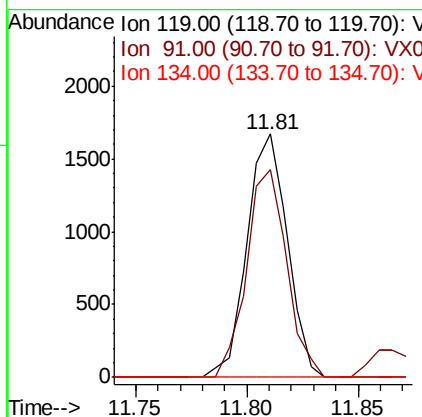
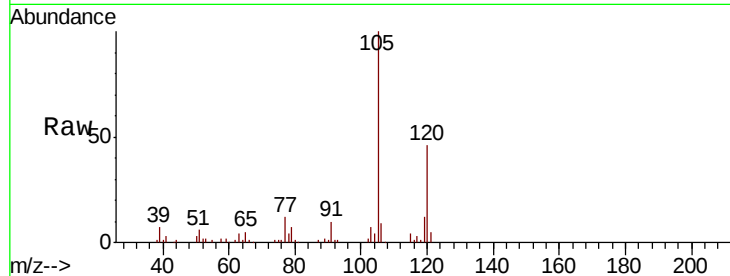




#83
tert-Butylbenzene
Concen: 0.482 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

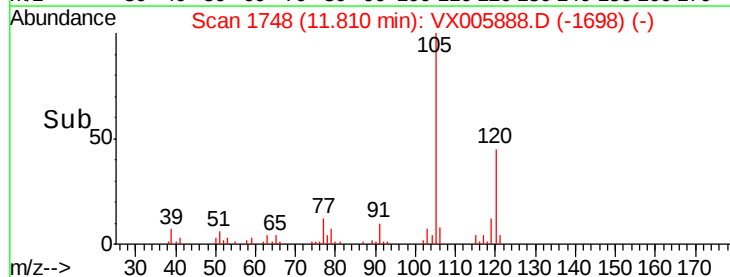
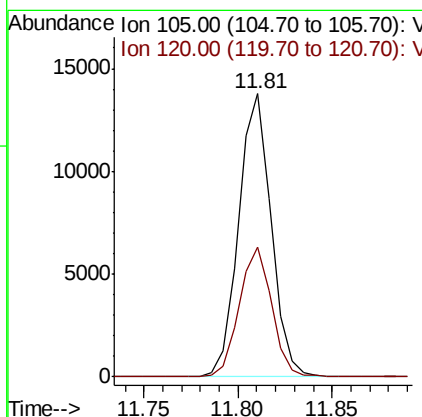
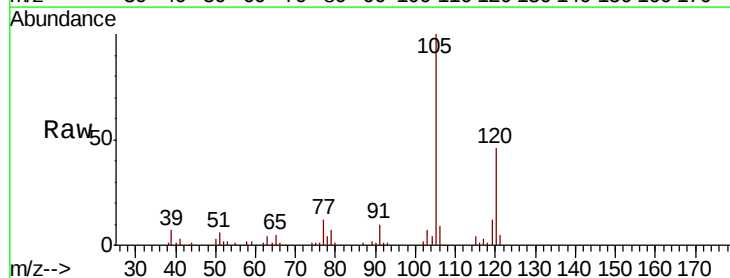
Instrument :
MSVOA_X
ClientSampleId :
BOTTOM-E

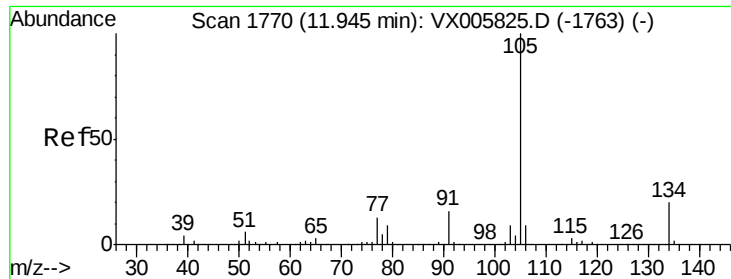
Tot Ion:119 Resp: 2113
Ion Ratio Lower Upper
119 100
91 84.7 28.5 85.5
134 0.0 11.3 33.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.328 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005888.D
Acq: 10 Nov 2018 03:58

Tgt Ion:105 Resp: 16434
Ion Ratio Lower Upper
105 100
120 45.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 3.069 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampleId :

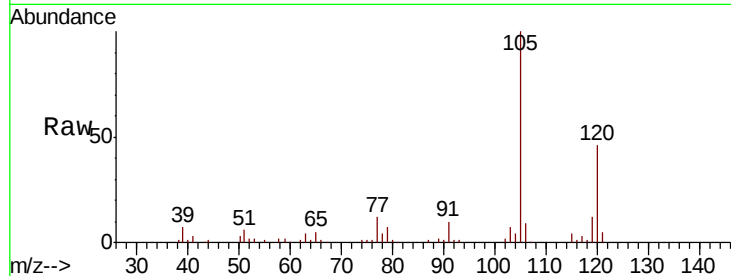
BOTTOM-E

Tot Ion:105 Resp: 16434

Ion Ratio Lower Upper

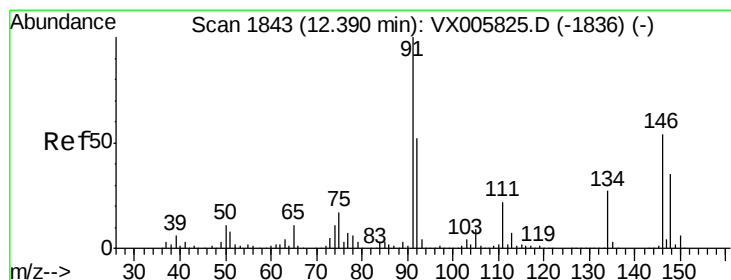
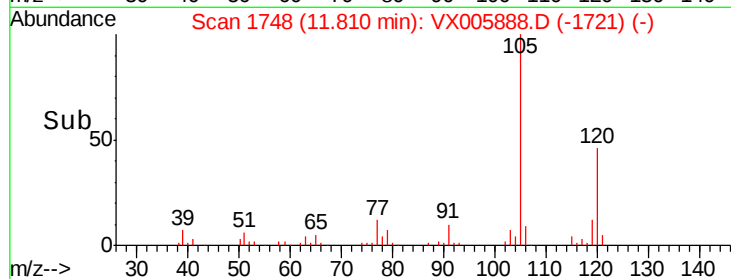
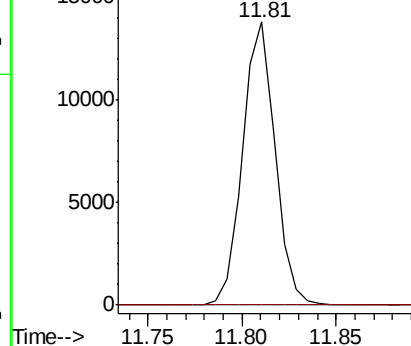
105 100

134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.925 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

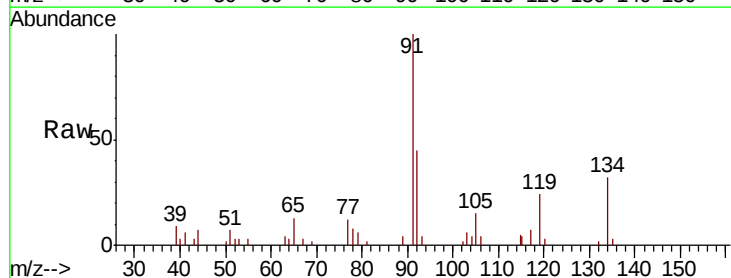
Tgt Ion: 91 Resp: 4066

Ion Ratio Lower Upper

91 100

92 39.5 26.1 78.2

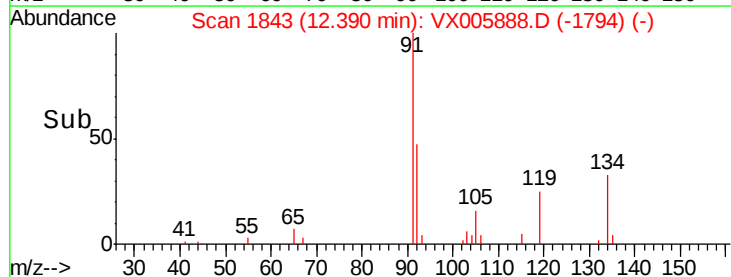
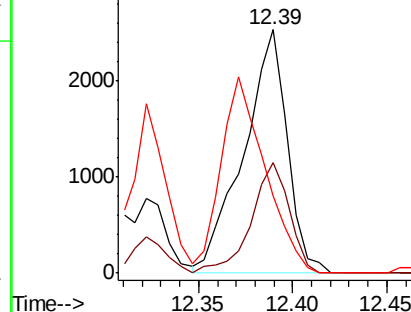
134 81.5 13.1 39.3#

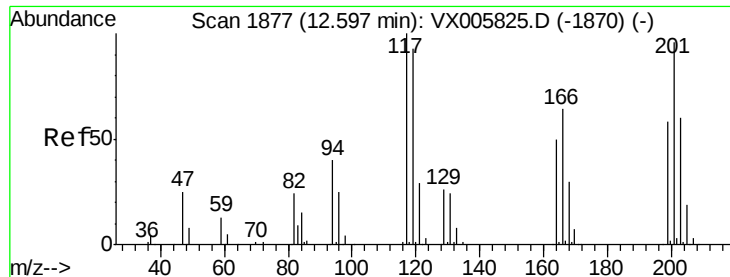


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.571 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Instrument :

MSVOA_X

ClientSampleId :

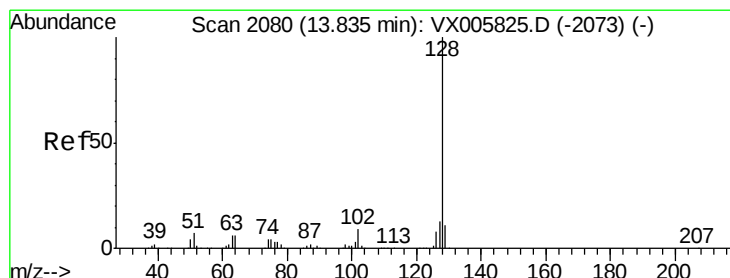
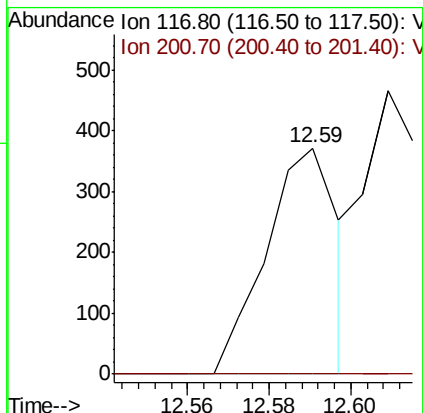
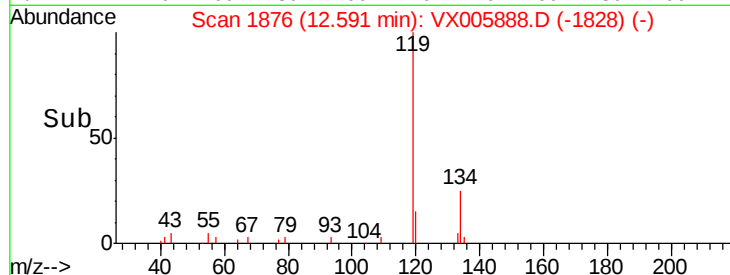
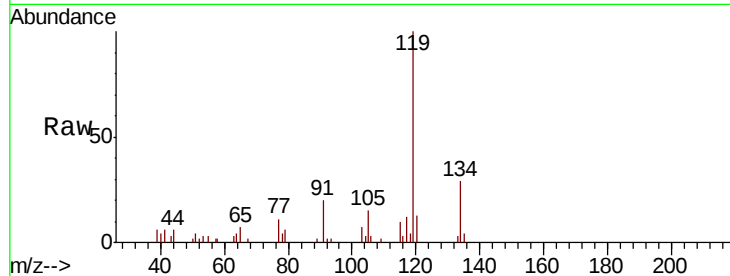
BOTTOM-E

Tot Ion:117 Resp: 452

Ion Ratio Lower Upper

117 100

201 0.0 47.9 143.6#



#95

Naphthalene

Concen: 32.821 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005888.D

Acq: 10 Nov 2018 03:58

Tgt Ion:128 Resp: 205381

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.0 8.7 13.1

