

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000834.D
 Acq On : 13 Apr 2018 05:45
 Operator : JC/MD
 Sample : J2337-07 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-280-DEBRIS

Quant Time: Apr 13 07:03:16 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	283513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222017	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	160931	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
35) Dibromofluoromethane	5.51	113	132171	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
50) Toluene-d8	8.73	98	515770	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.15	95	201241	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

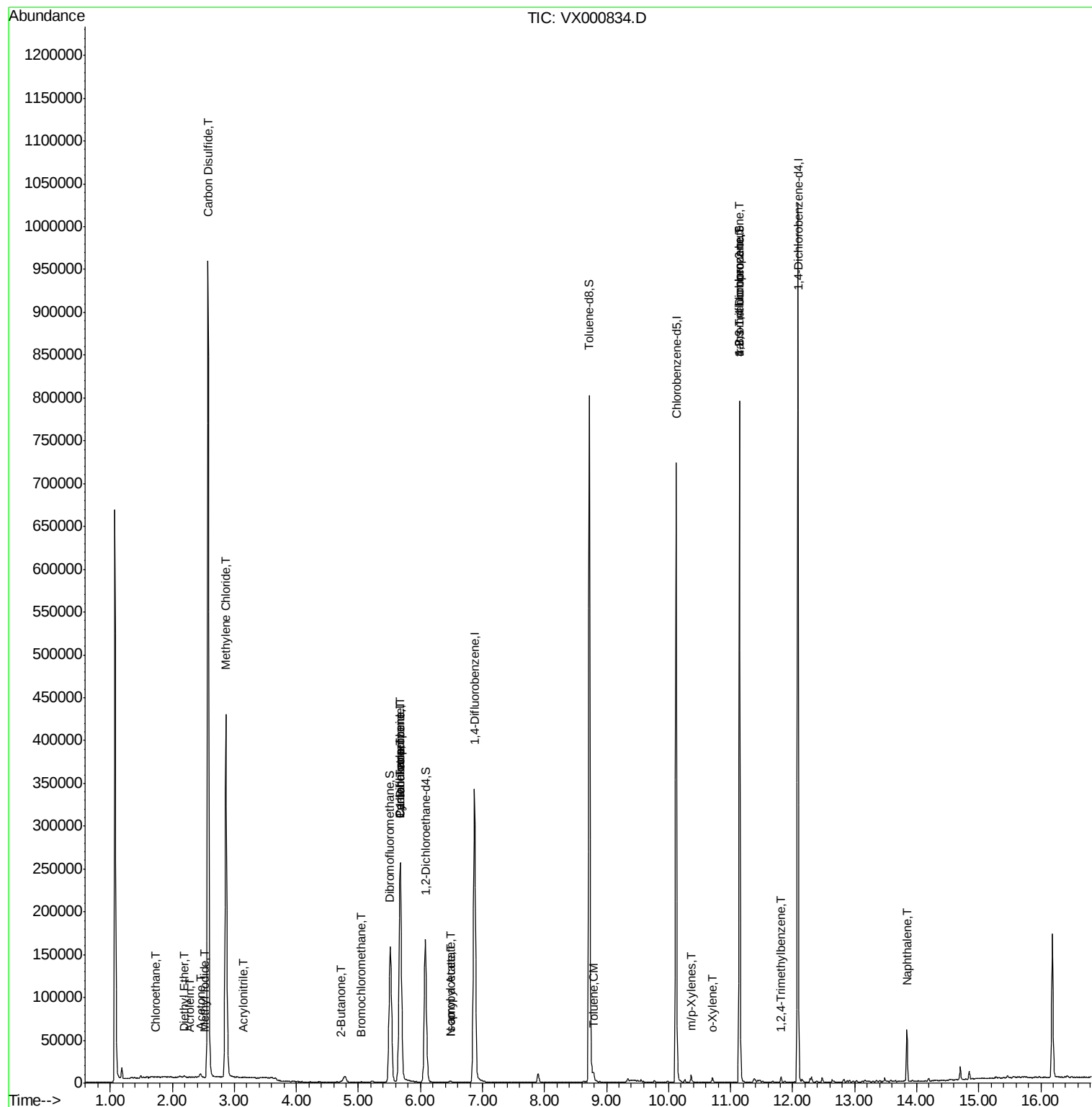
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	430	Below Cal		88
6) Chloroethane	1.73	64	426	0.23	ug/l #	88
8) Diethyl Ether	2.20	74	355	0.20	ug/l #	1
10) Methyl Iodide	2.53	142	68	8.26	ug/l #	42
13) Acrolein	2.28	56	123	0.40	ug/l #	74
15) Acrylonitrile	3.14	53	349	0.26	ug/l #	17
16) Acetone	2.45	43	5016	4.07	ug/l	91
17) Carbon Disulfide	2.57	76	1178915	149.62	ug/l	99
20) Methylene Chloride	2.86	84	205689	71.74	ug/l	98
25) 2-Butanone	4.71	43	1686	0.83	ug/l #	85
28) Bromochloromethane	5.04	49	474	0.24	ug/l #	92
31) Cyclohexane	5.67	56	4883	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16552	4.06	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23902	5.24	ug/l #	15
43) Isopropyl Acetate	6.48	43	2478	0.36	ug/l #	94
52) Toluene	8.79	92	2271	0.30	ug/l	95
68) m/p-Xylenes	10.37	106	2102	0.37	ug/l	92
69) o-Xylene	10.71	106	1204	0.22	ug/l	91
74) N-amyl acetate	6.48	43	2478	0.39	ug/l #	96
76) 1,2,3-Trichloropropane	11.15	75	96926	25.31	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	96926	69.63	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	2632	0.21	ug/l	95
95) Naphthalene	13.84	128	37670	2.33	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

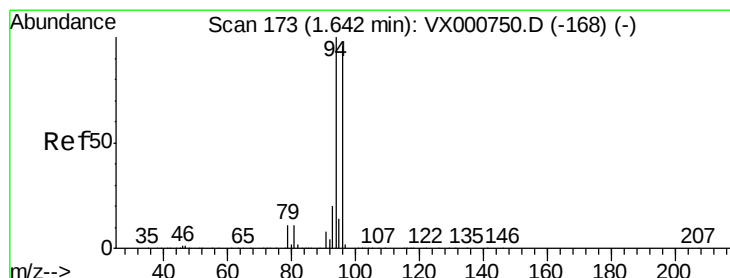
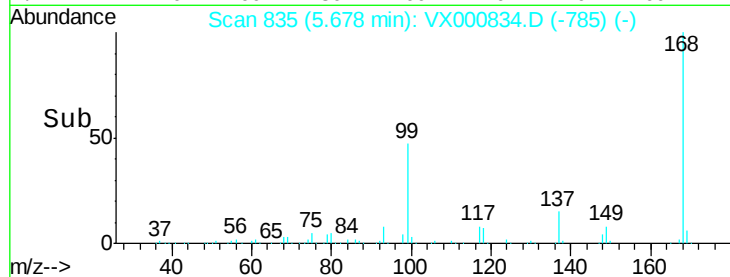
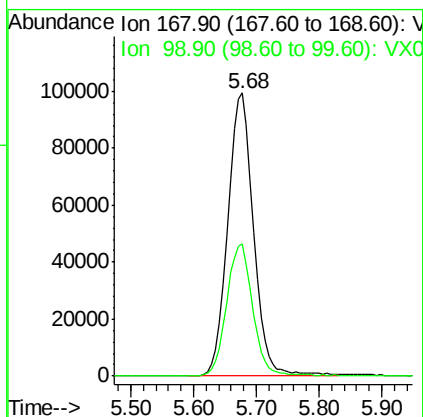
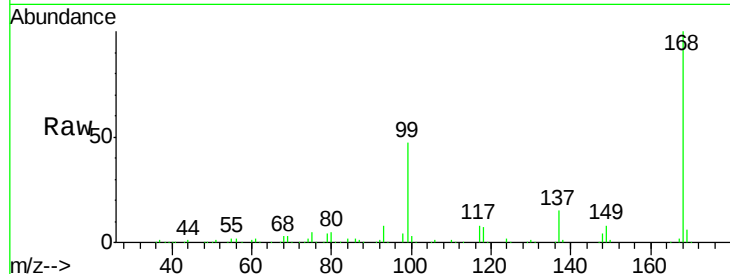




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.01 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

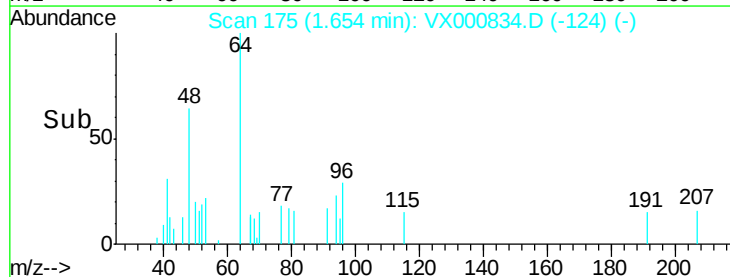
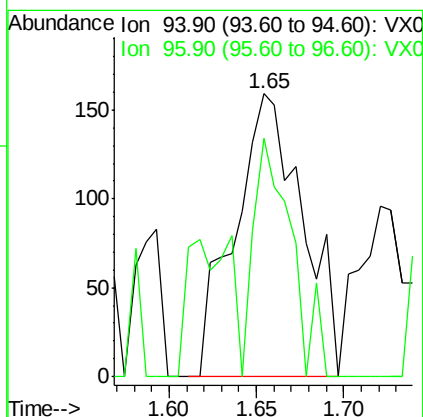
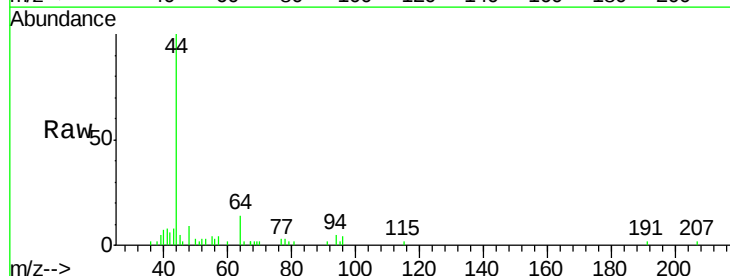
Instrument :
MSVOA_X
ClientSampleId :
ETGI-280-DEBRIS

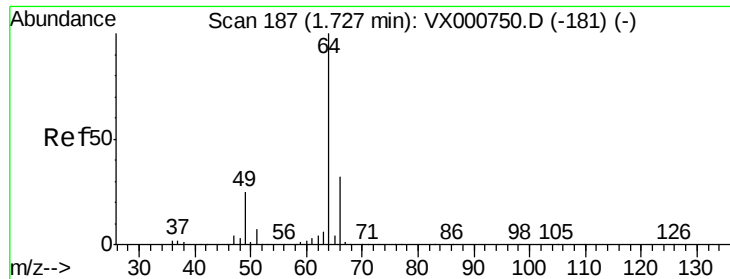
Tgt Ion:168 Resp: 283513
Ion Ratio Lower Upper
168 100
99 46.8 38.3 57.5



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.01 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

Tgt Ion: 94 Resp: 430
Ion Ratio Lower Upper
94 100
96 84.3 77.0 115.6





#6

Chloroethane

Concen: 0.23 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

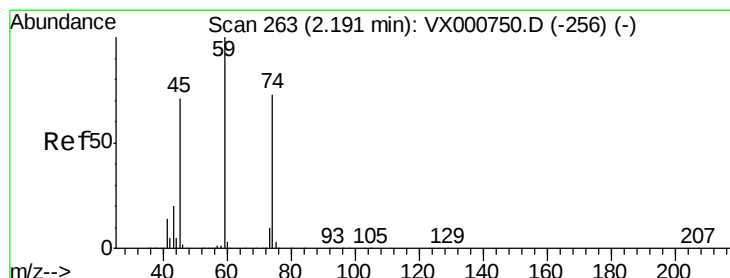
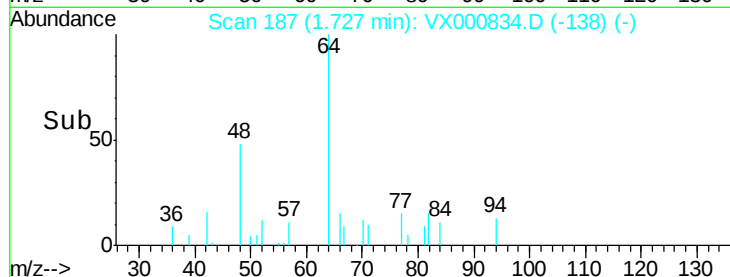
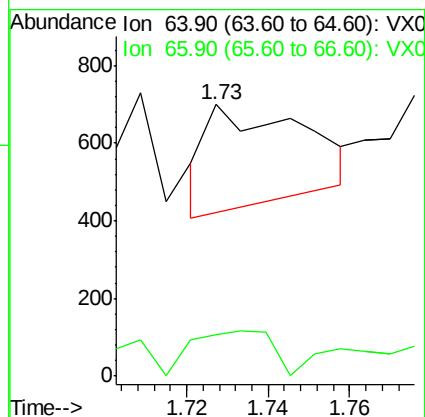
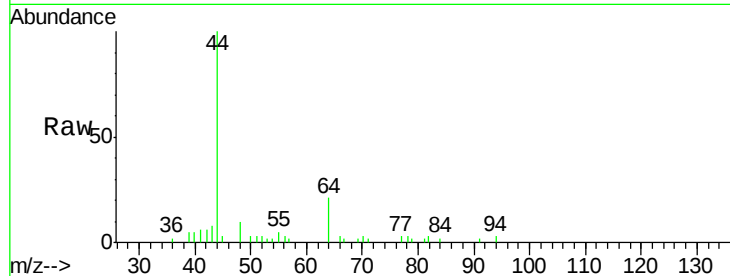
ETGI-280-DEBRIS

Tgt Ion: 64 Resp: 426

Ion Ratio Lower Upper

64 100

66 24.8 25.3 37.9#



#8

Diethyl Ether

Concen: 0.20 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX000834.D

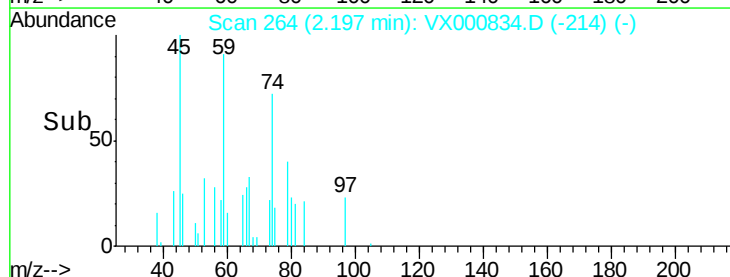
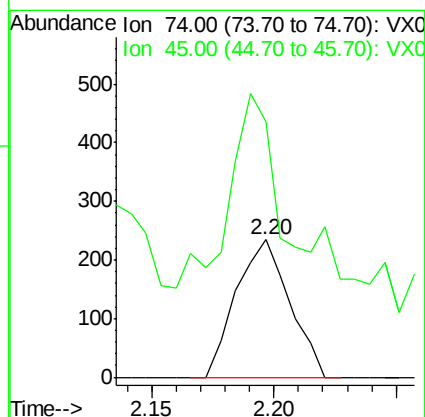
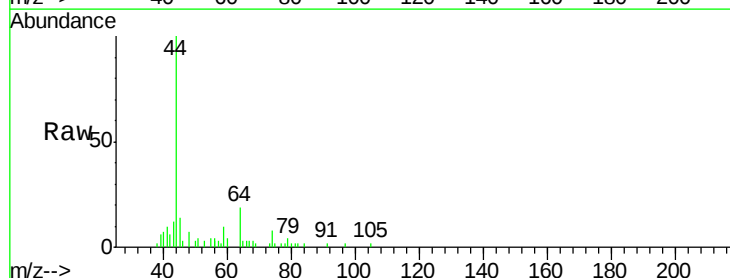
Acq: 13 Apr 2018 05:45

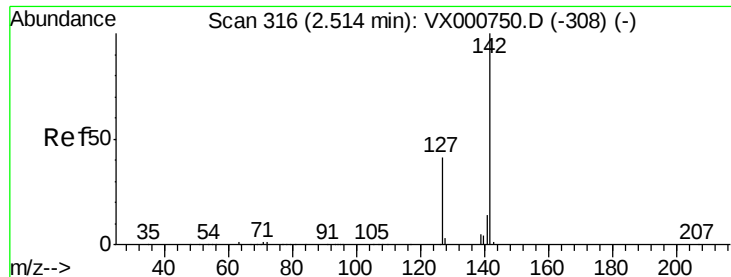
Tgt Ion: 74 Resp: 355

Ion Ratio Lower Upper

74 100

45 202.5 48.6 145.8#

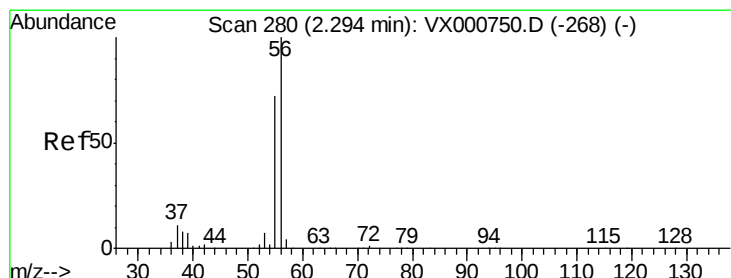
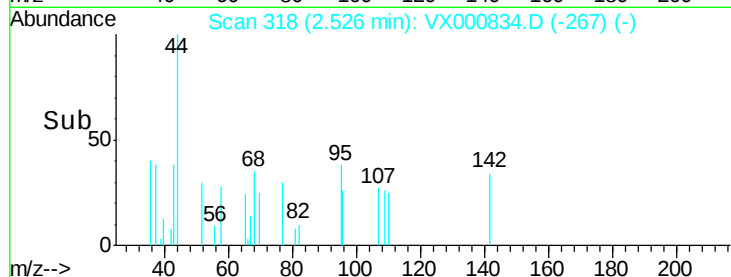
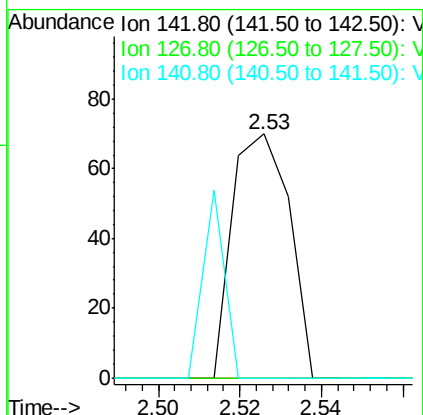
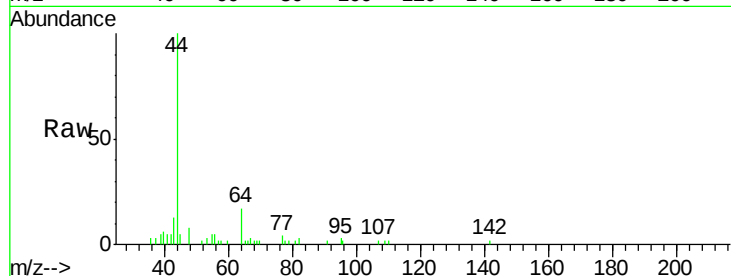




#10
Methyl Iodide
Concen: 8.26 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

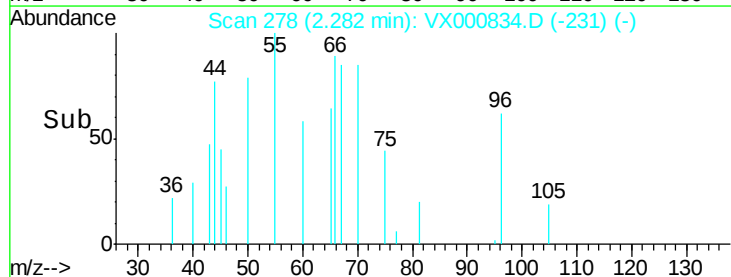
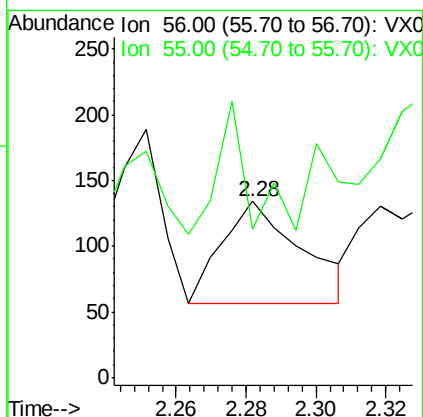
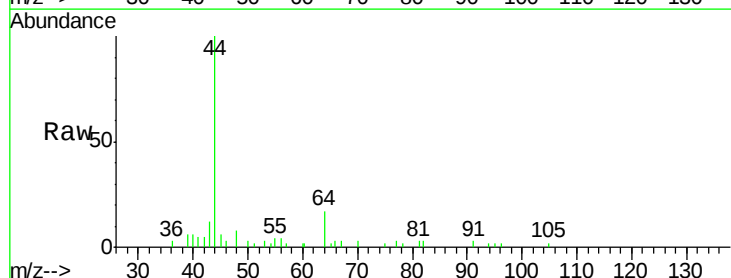
Instrument :
MSVOA_X
ClientSampleId :
ETGI-280-DEBRIS

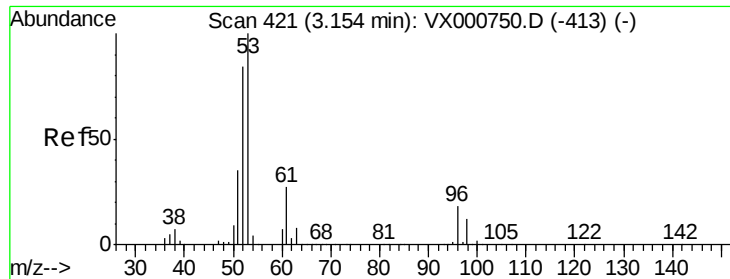
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 29.4 11.5 17.3#



#13
Acrolein
Concen: 0.40 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 51.2 58.7 88.1#





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

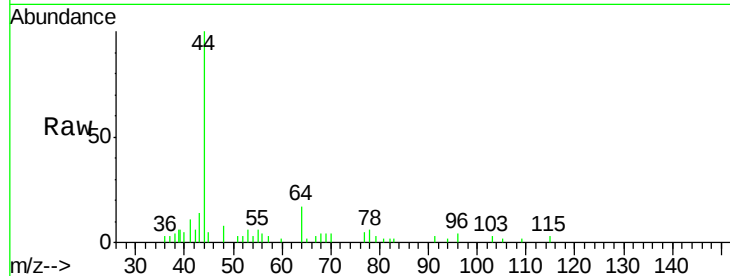
Tgt Ion: 53 Resp: 349

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

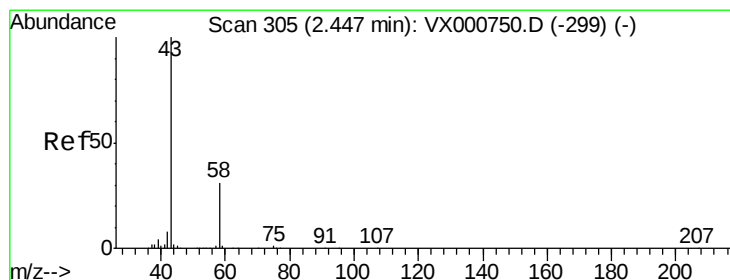
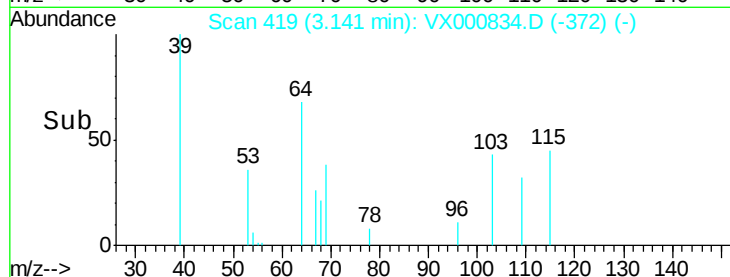
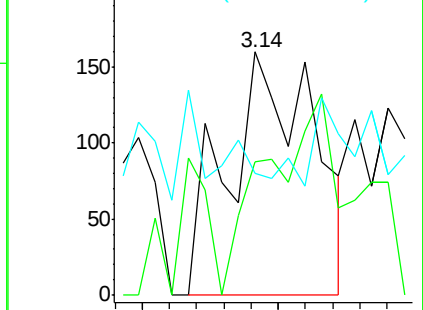
51 0.0 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.07 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000834.D

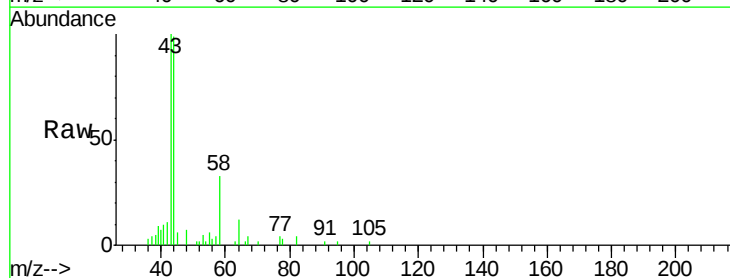
Acq: 13 Apr 2018 05:45

Tgt Ion: 43 Resp: 5016

Ion Ratio Lower Upper

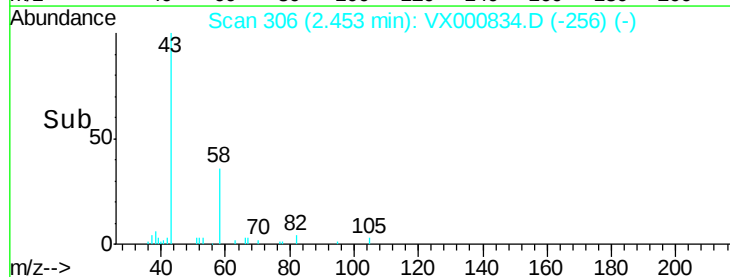
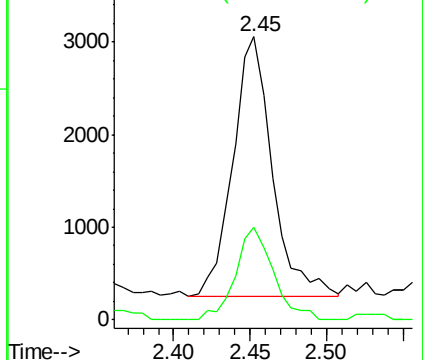
43 100

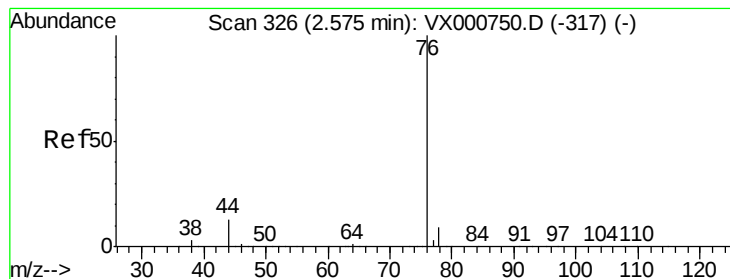
58 35.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 149.62 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

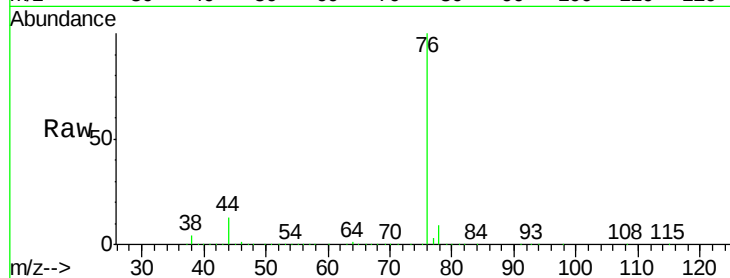
ETGI-280-DEBRIS

Tgt Ion: 76 Resp: 1178915

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800000

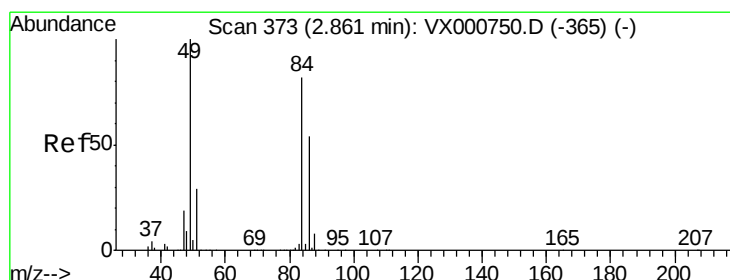
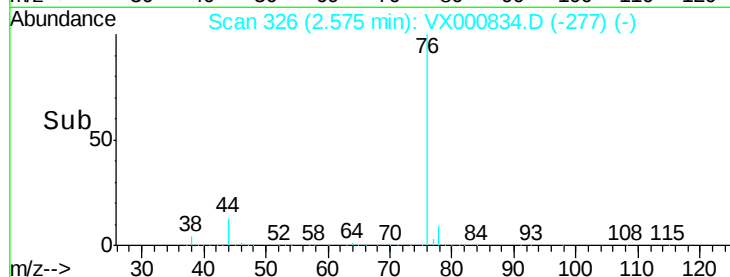
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 71.74 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Tgt Ion: 84 Resp: 205689

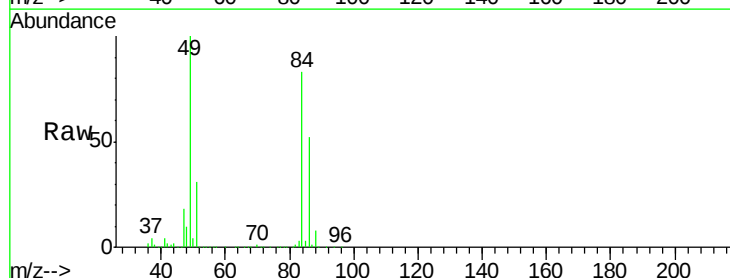
Ion Ratio Lower Upper

84 100

49 120.6 98.1 147.1

51 37.4 28.9 43.3

86 62.8 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

200000

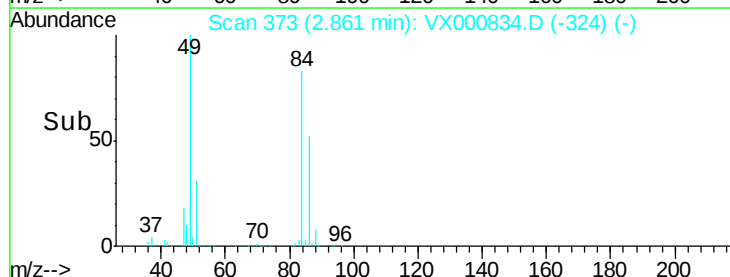
150000

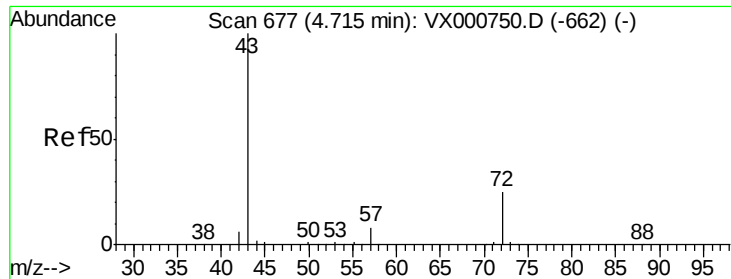
100000

50000

0

Time-->





#25

2-Butanone

Concen: 0.83 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

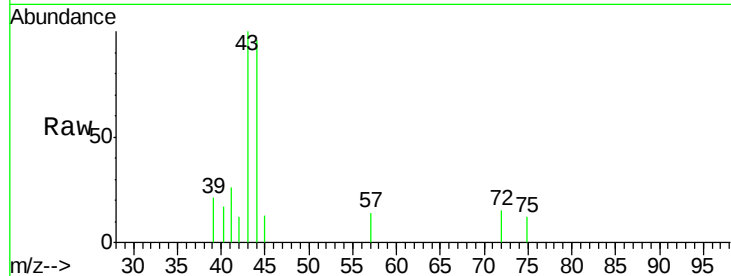
ETGI-280-DEBRIS

Tgt Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

72 17.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

600

500

400

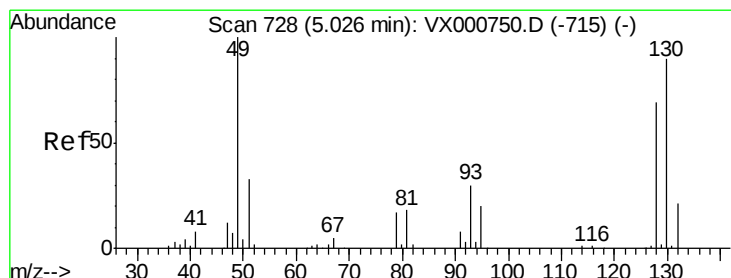
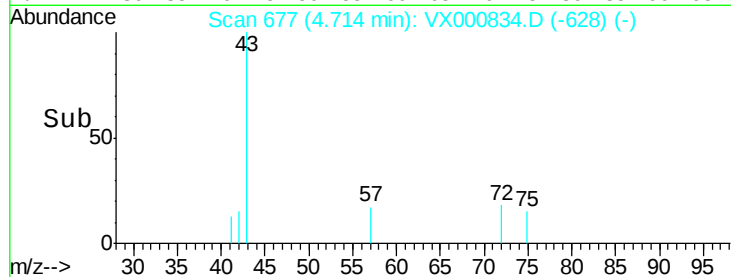
300

200

100

0

Time--> 4.60 4.70 4.80



#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

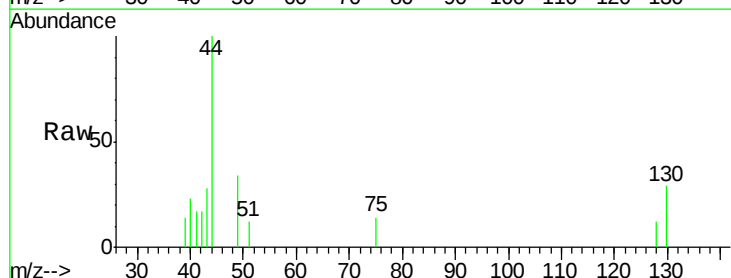
Tgt Ion: 49 Resp: 474

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 83.3 72.6 109.0



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

200

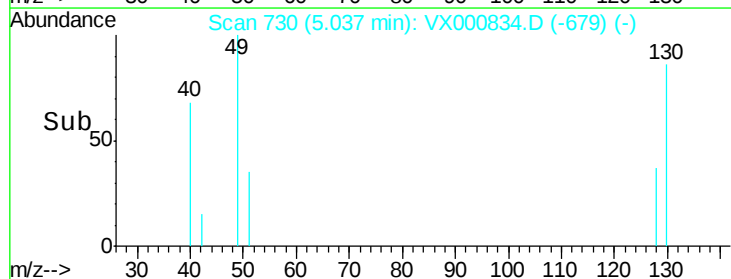
150

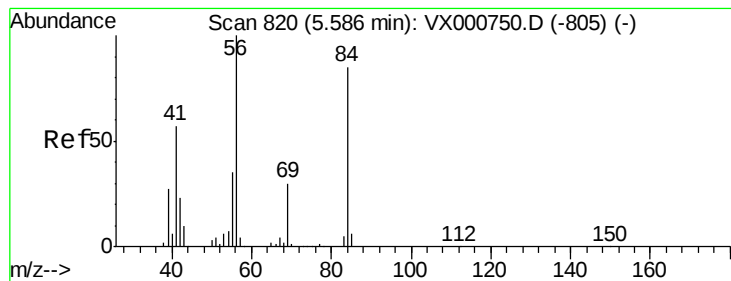
100

50

0

Time--> 5.00 5.05 5.10





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

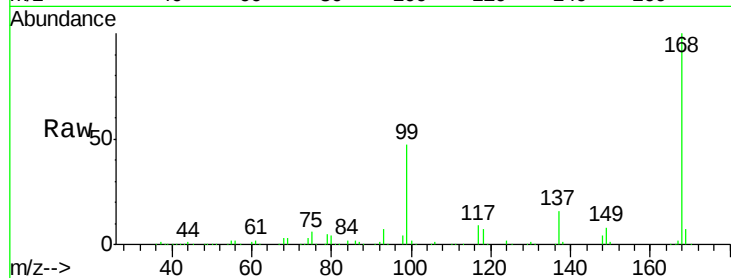
Tgt Ion: 56 Resp: 4883

Ion Ratio Lower Upper

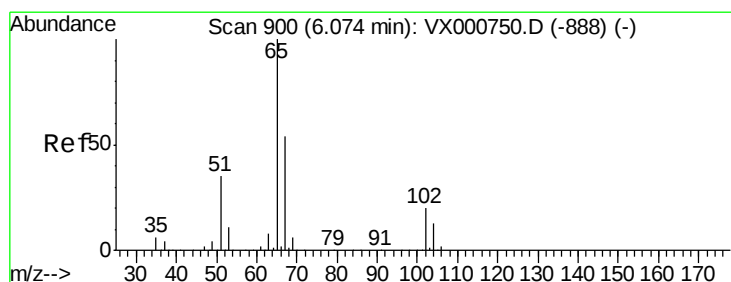
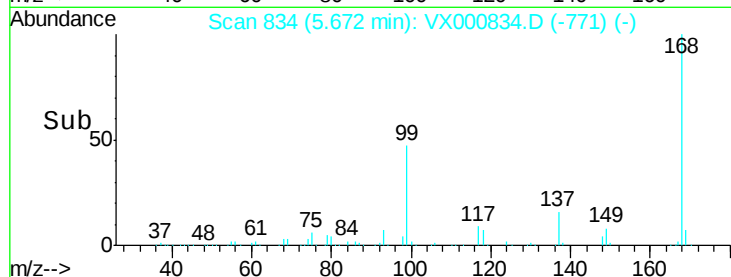
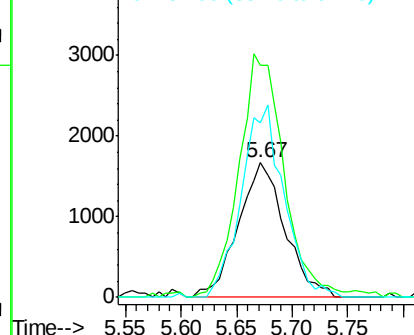
56 100

69 172.6 24.2 36.4#

84 129.6 67.6 101.4#



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: 45.02 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000834.D

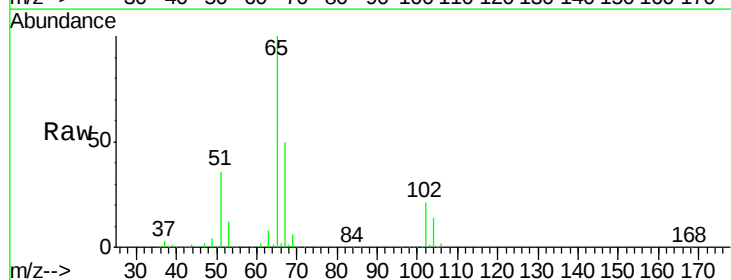
Acq: 13 Apr 2018 05:45

Tgt Ion: 65 Resp: 160931

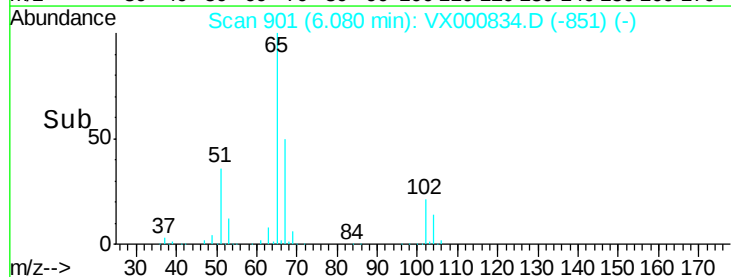
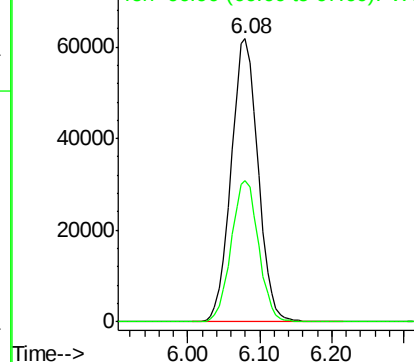
Ion Ratio Lower Upper

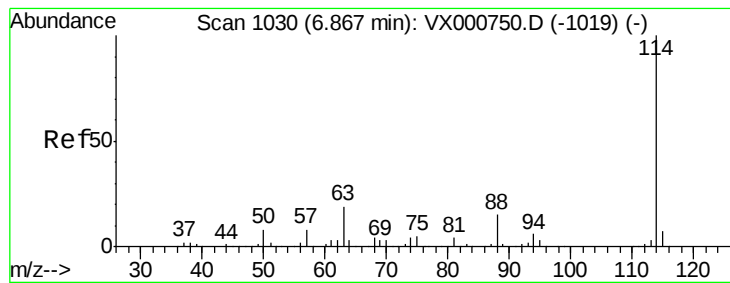
65 100

67 50.8 0.0 103.8



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# 1031

Delta R.T. 0.01 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

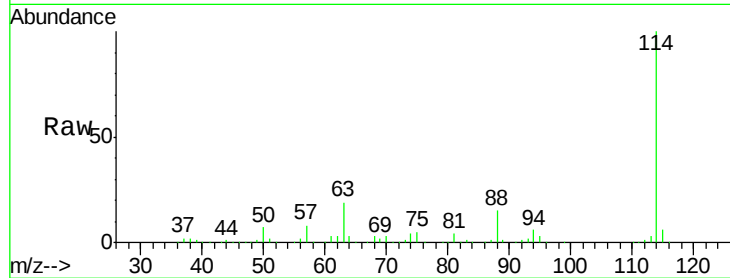
Tgt Ion:114 Resp: 370042

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

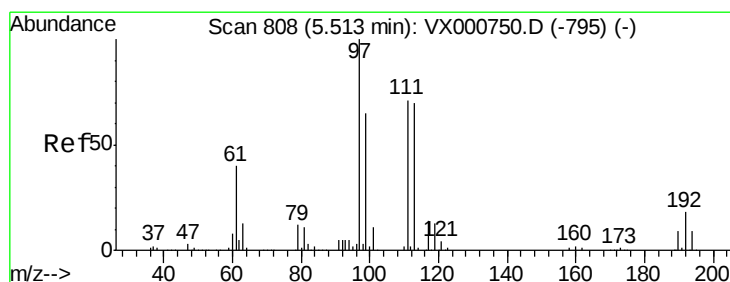
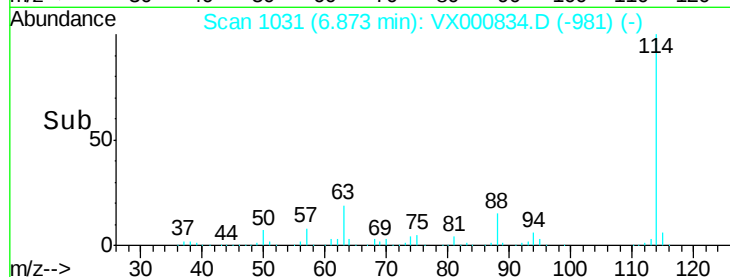
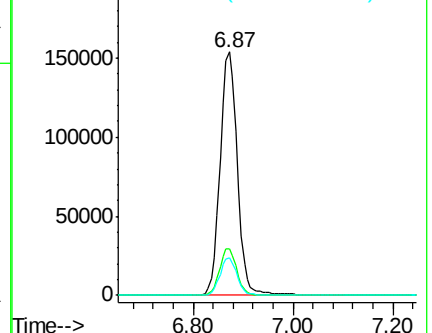
88 15.2 0.0 31.0



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: 46.36 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

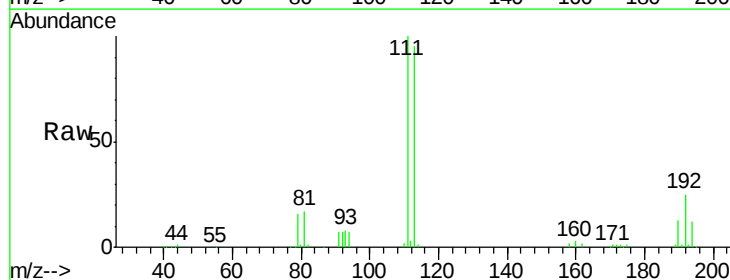
Tgt Ion:113 Resp: 132171

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

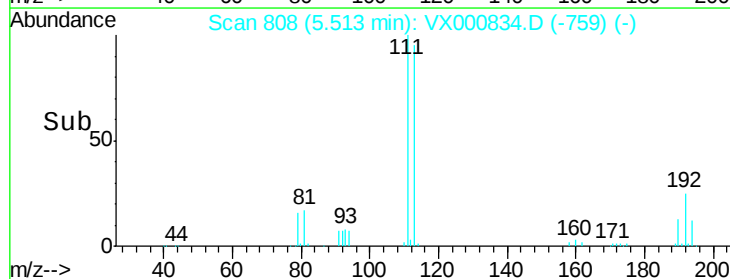
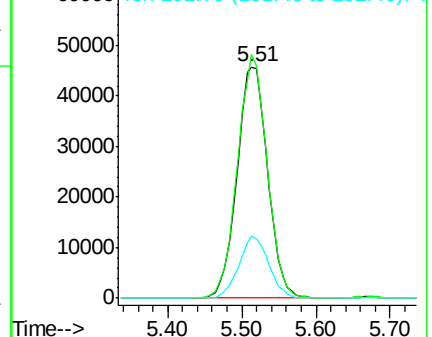
192 26.0 20.4 30.6

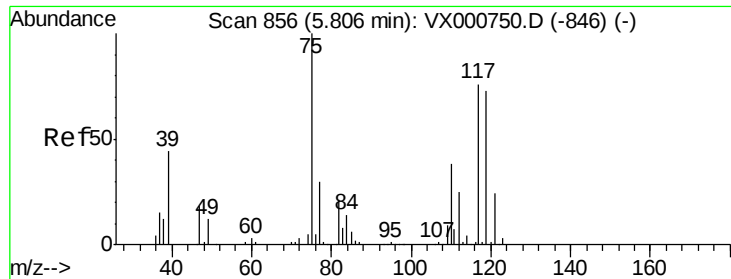


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

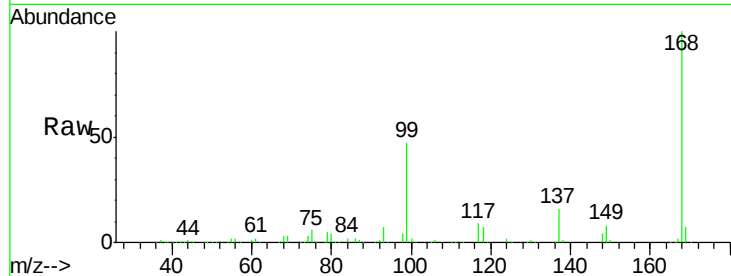




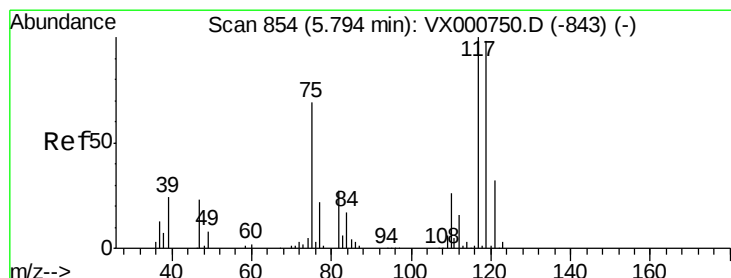
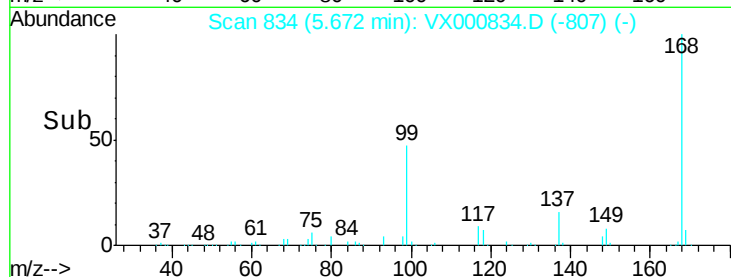
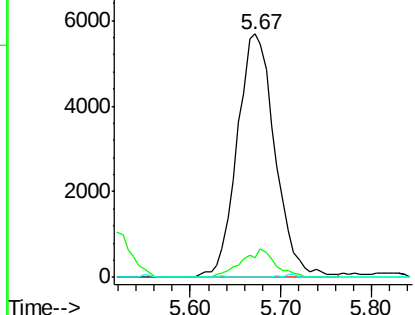
#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000834.D
 Acq: 13 Apr 2018 05:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-280-DEBRIS

Tgt Ion: 75 Resp: 16552
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.2 57.6#
 77 0.0 25.4 38.2#

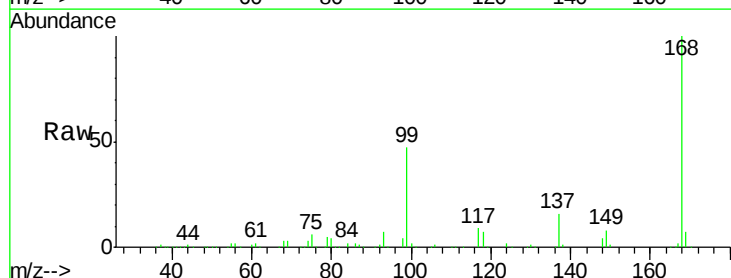


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

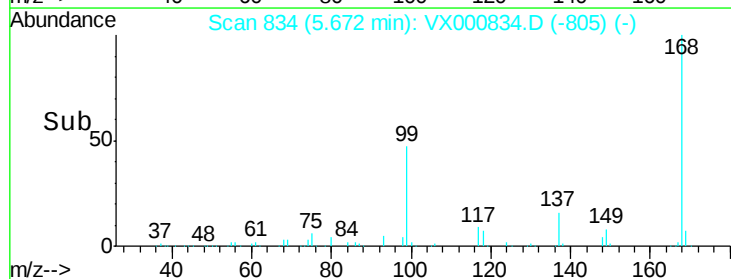
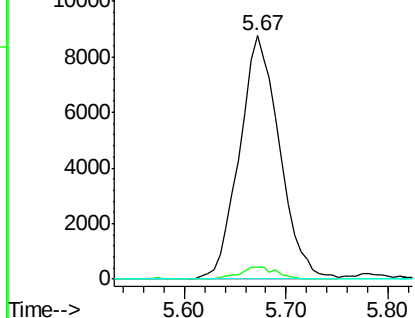


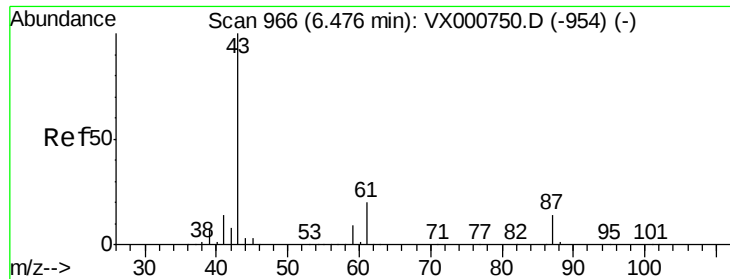
#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000834.D
 Acq: 13 Apr 2018 05:45

Tgt Ion: 117 Resp: 23902
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.4 117.6#
 121 0.0 25.4 38.0#



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





#43

Isopropyl Acetate

Concen: 0.36 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

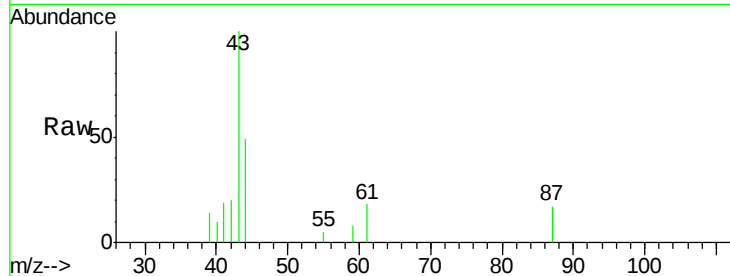
Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

61 17.7 15.6 23.4

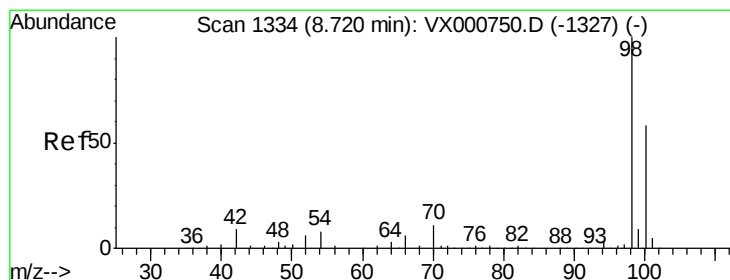
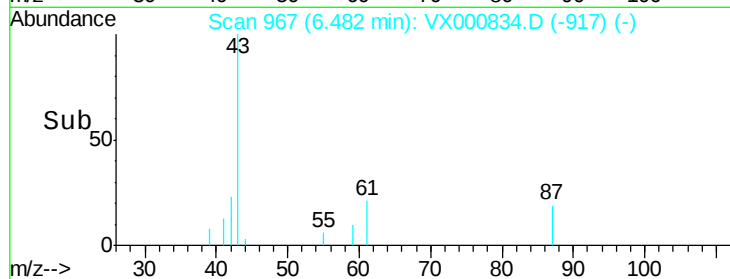
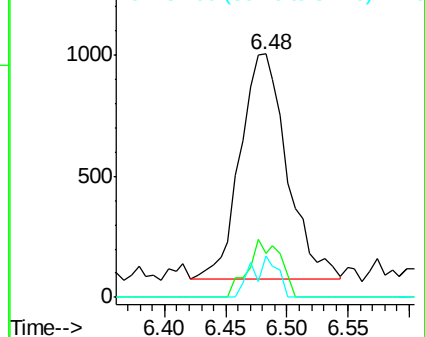
87 10.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.59 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000834.D

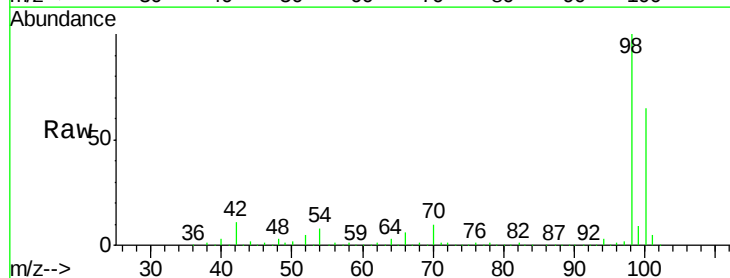
Acq: 13 Apr 2018 05:45

Tgt Ion: 98 Resp: 515770

Ion Ratio Lower Upper

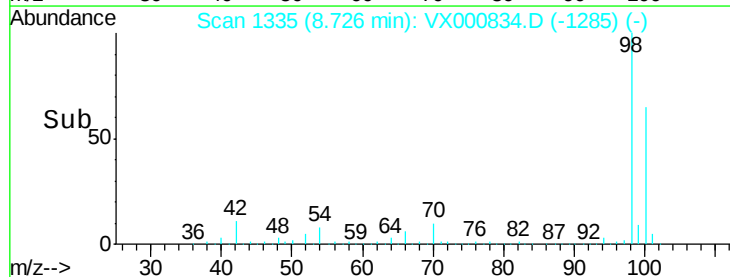
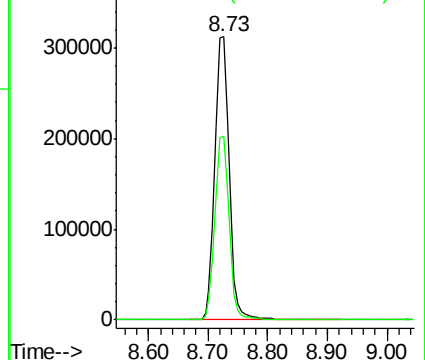
98 100

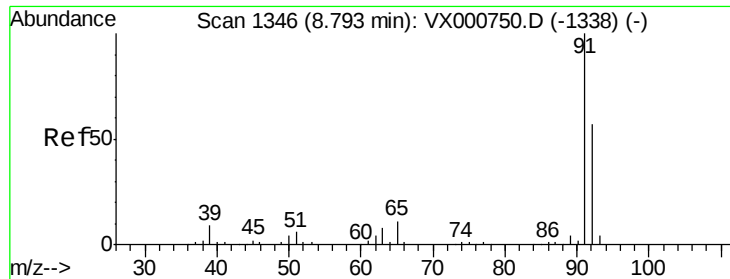
100 64.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.30 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

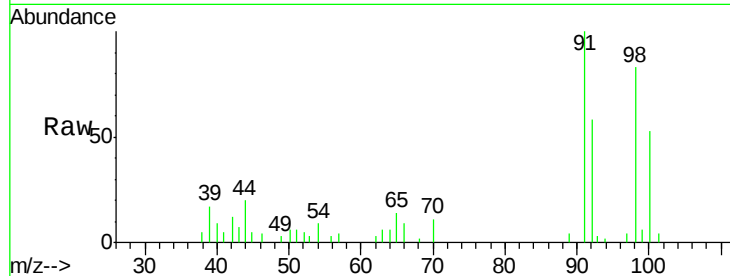
ETGI-280-DEBRIS

Tgt Ion: 92 Resp: 2271

Ion Ratio Lower Upper

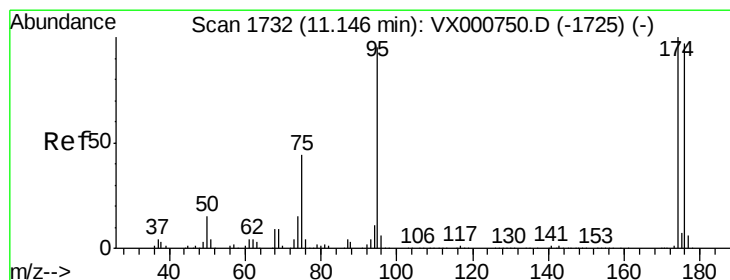
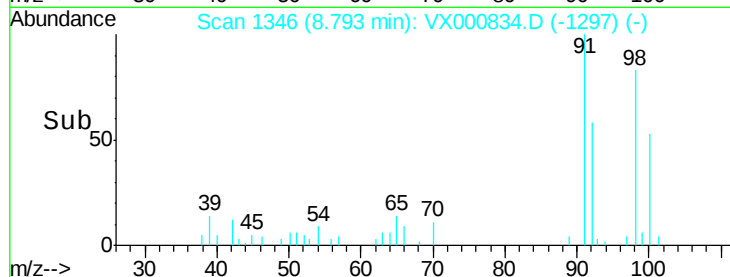
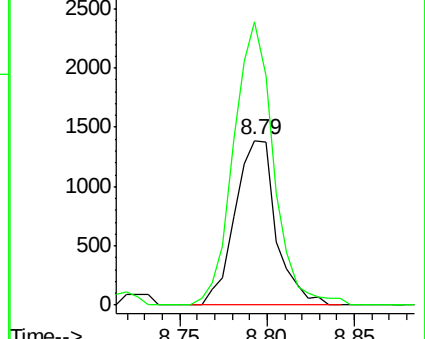
92 100

91 167.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.82 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

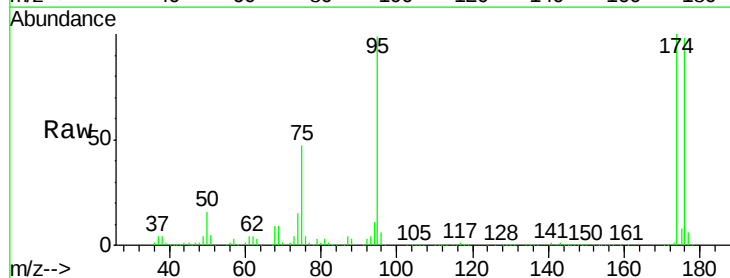
Tgt Ion: 95 Resp: 201241

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

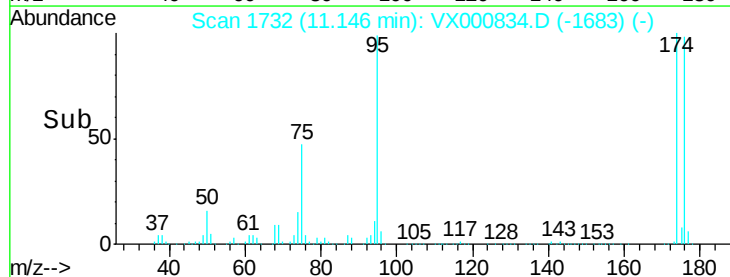
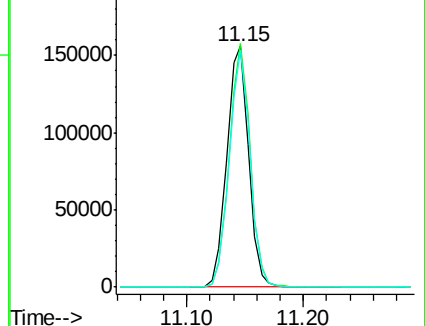
176 94.7 0.0 194.4

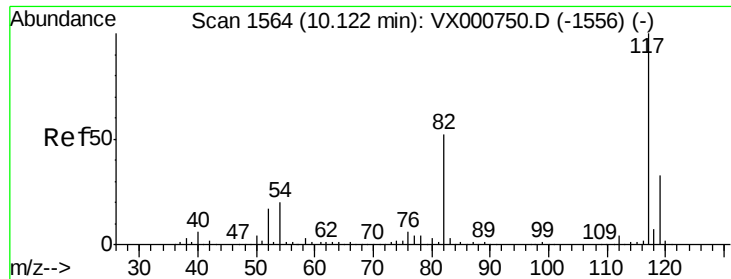


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

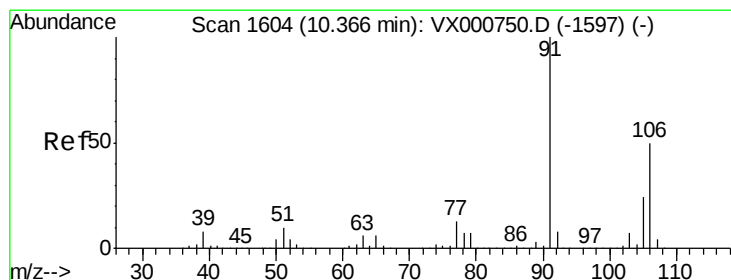
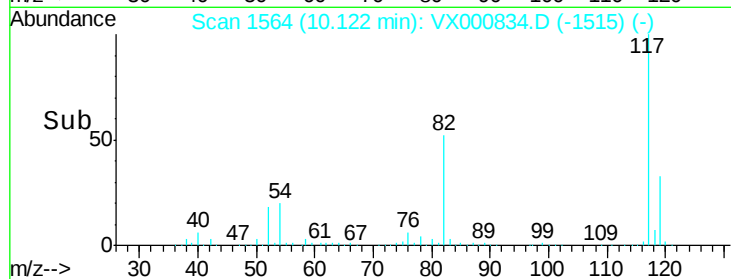
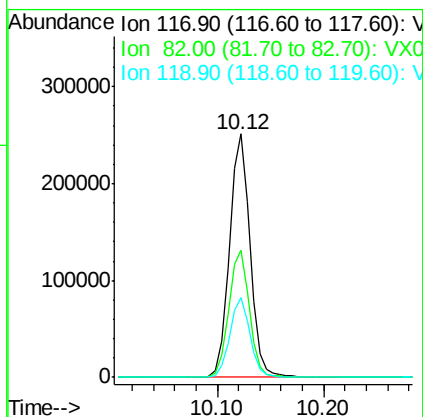
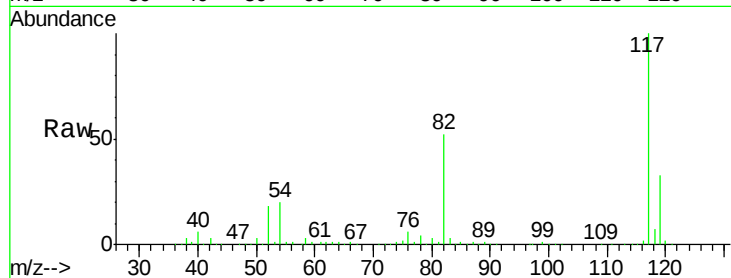




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

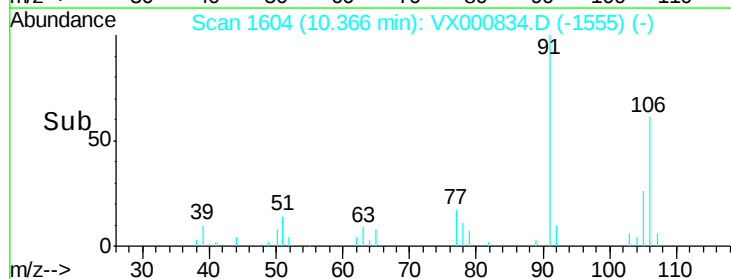
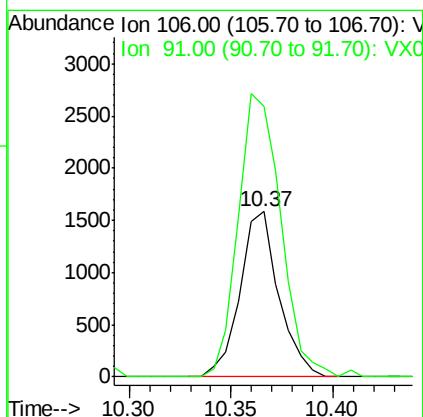
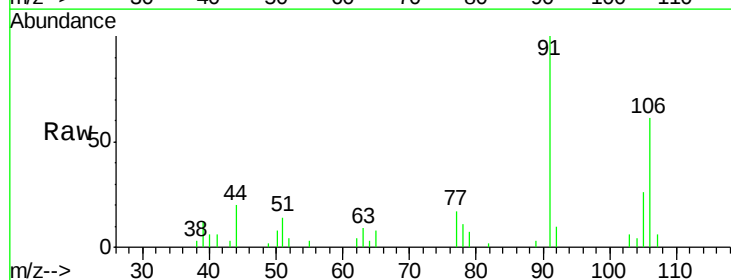
Instrument :
MSVOA_X
ClientSampleId :
ETGI-280-DEBRIS

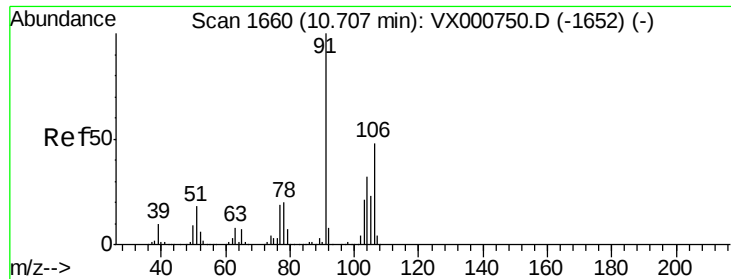
Tgt Ion:117 Resp: 340360
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.7 26.0 39.0



#68
m/p-Xylenes
Concen: 0.37 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

Tgt Ion:106 Resp: 2102
Ion Ratio Lower Upper
106 100
91 187.6 159.3 238.9

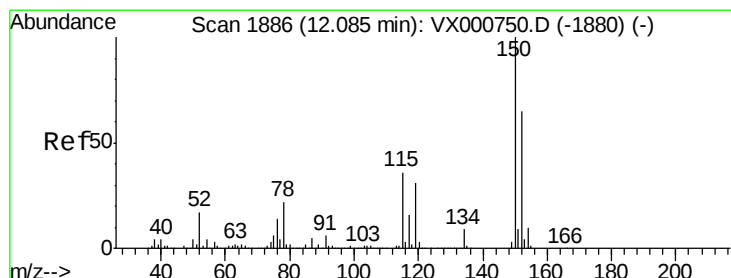
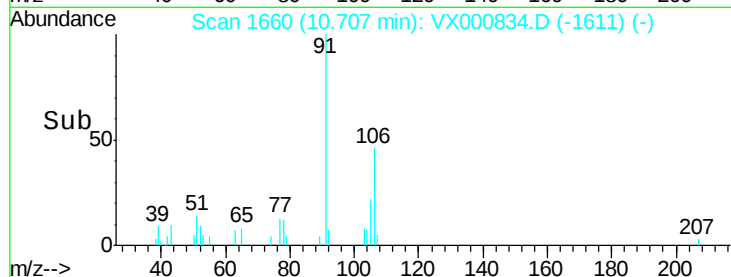
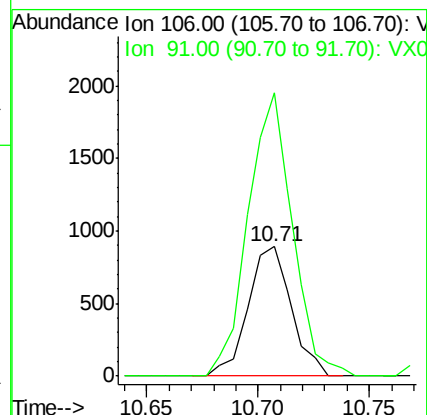
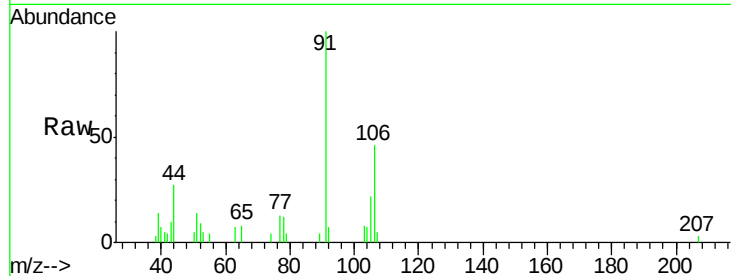




#69
o-Xylene
Concen: 0.22 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

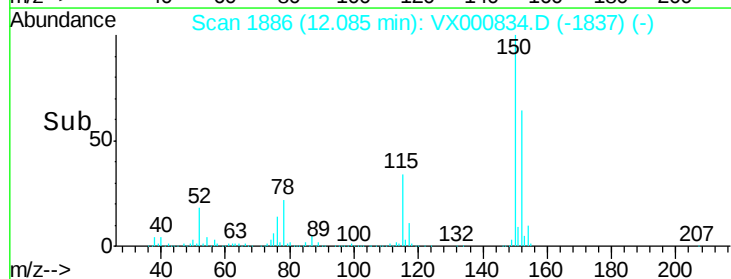
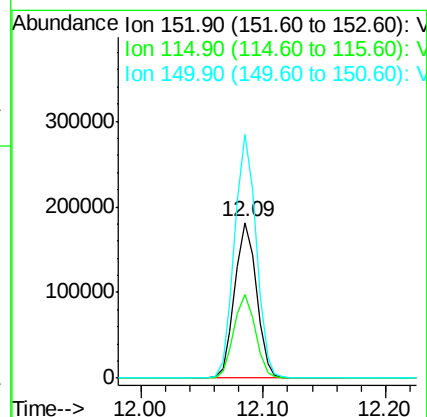
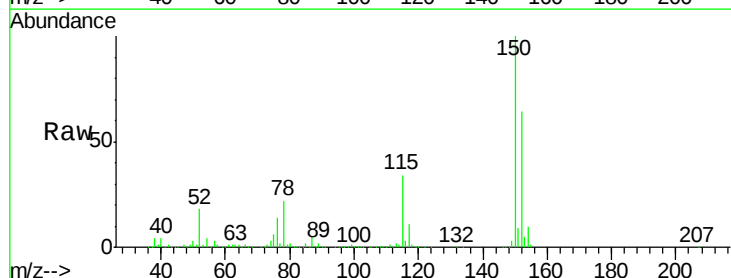
Instrument :
MSVOA_X
ClientSampleId :
ETGI-280-DEBRIS

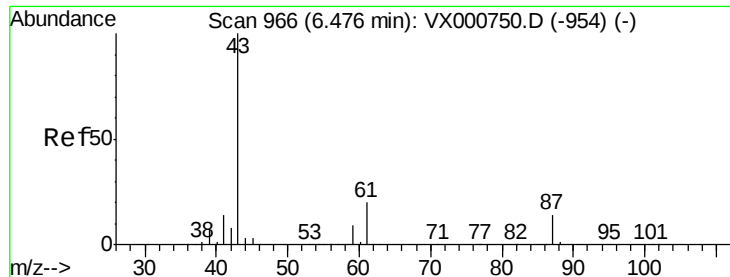
Tgt Ion:106 Resp: 1204
Ion Ratio Lower Upper
106 100
91 224.7 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

Tgt Ion:152 Resp: 222017
Ion Ratio Lower Upper
152 100
115 53.2 37.9 113.7
150 156.1 0.0 348.0





#74

N-ethyl acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

Tgt Ion: 43 Resp: 2478

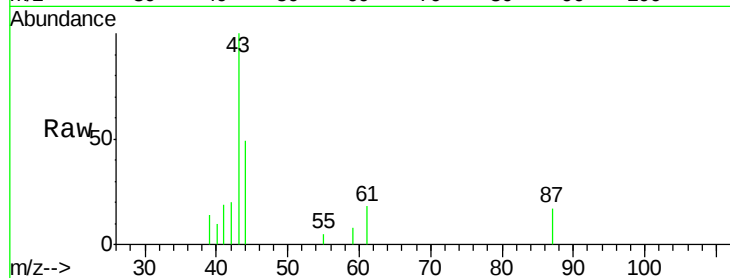
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 3.8 0.0 0.0#

61 17.7 15.6 23.4

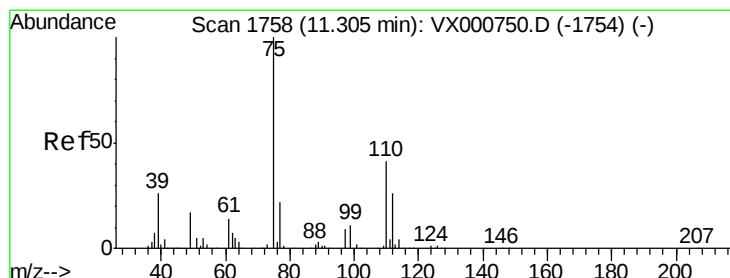
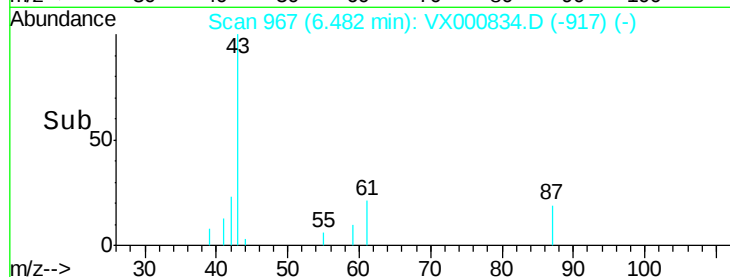
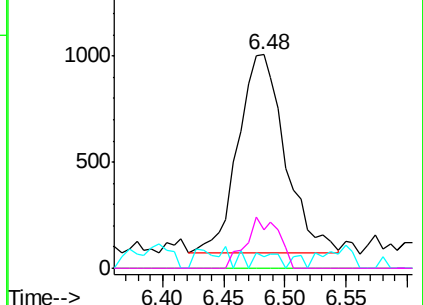


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.31 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000834.D

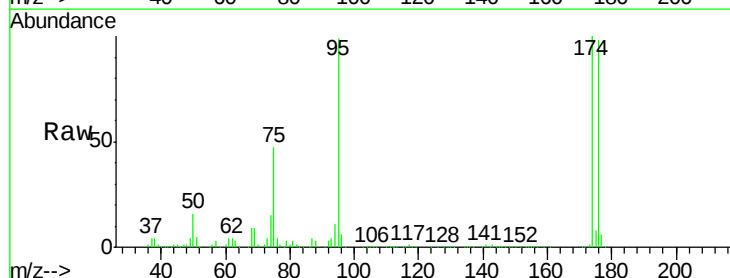
Acq: 13 Apr 2018 05:45

Tgt Ion: 75 Resp: 96926

Ion Ratio Lower Upper

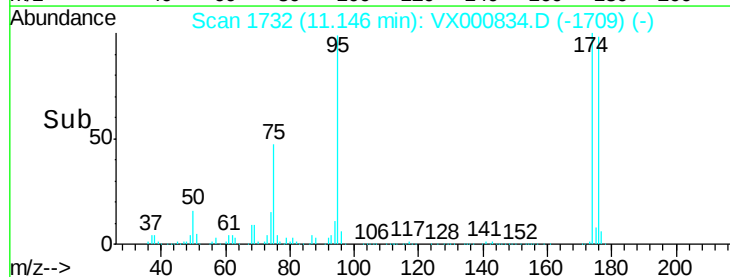
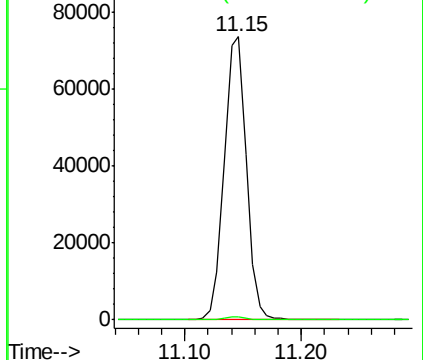
75 100

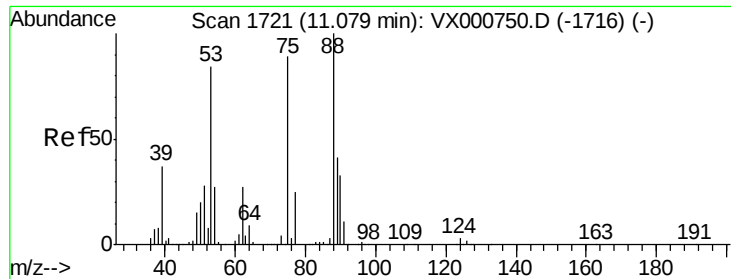
77 1.1 20.5 61.5#



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: 69.63 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000834.D

Acq: 13 Apr 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

ETGI-280-DEBRIS

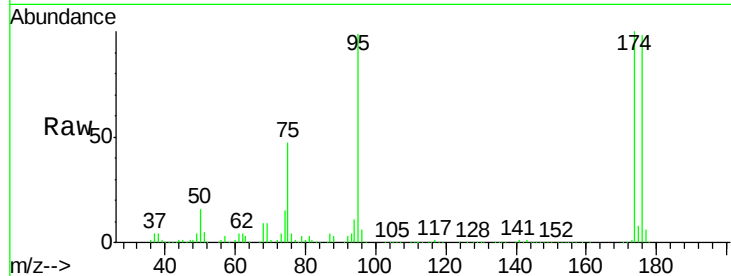
Tgt Ion: 75 Resp: 96926

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

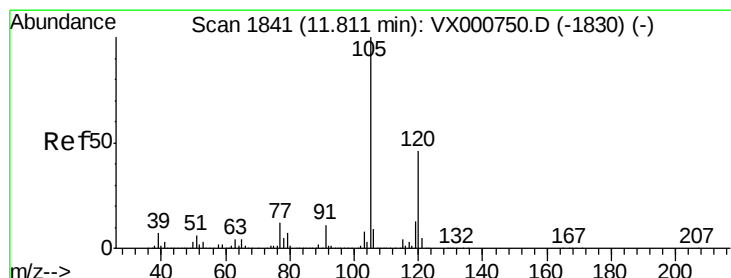
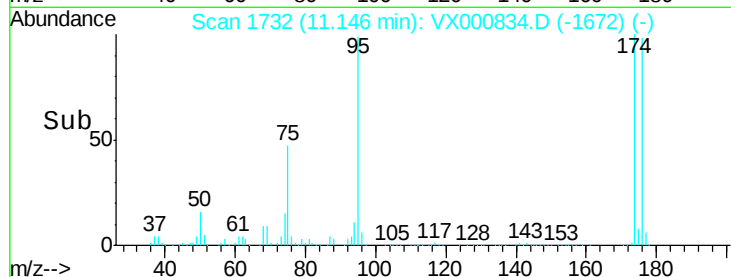
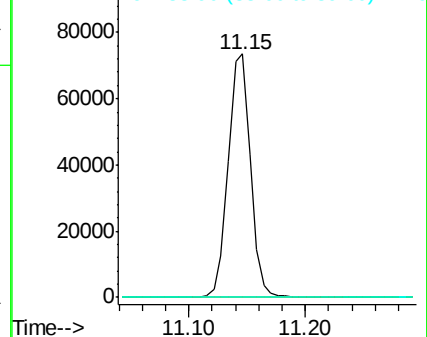
89 0.0 40.9 61.3#



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: 0.21 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX000834.D

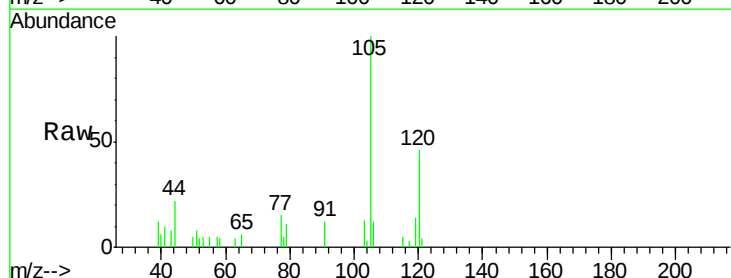
Acq: 13 Apr 2018 05:45

Tgt Ion: 105 Resp: 2632

Ion Ratio Lower Upper

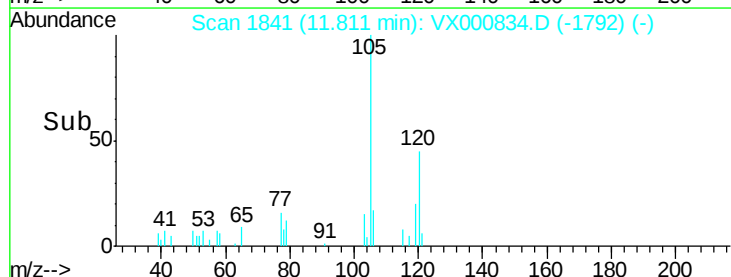
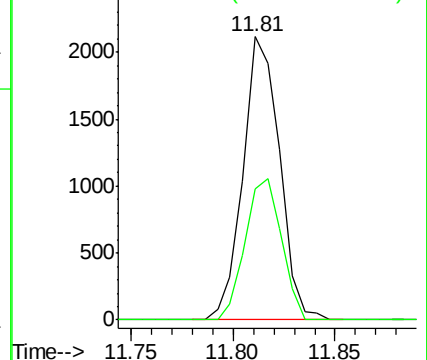
105 100

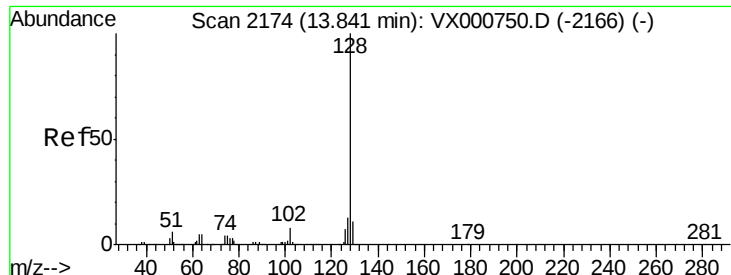
120 49.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

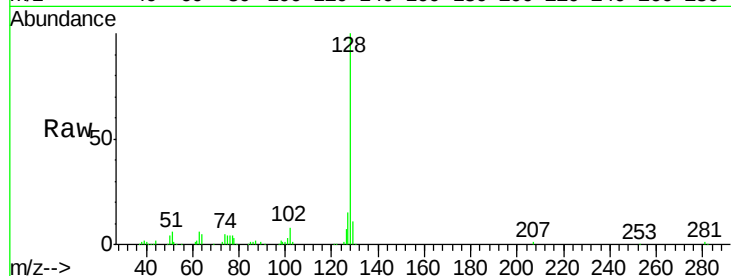




#95
Naphthalene
Concen: 2.33 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000834.D
Acq: 13 Apr 2018 05:45

Instrument :
MSVOA_X
ClientSampleId :
ETGI-280-DEBRIS

Tgt Ion:128 Resp: 37670
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.3 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

