

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000832.D
 Acq On : 13 Apr 2018 04:54
 Operator : JC/MD
 Sample : J2337-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12002-OILY-DEBRIS

Quant Time: Apr 13 07:02:51 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	5.67	168	281575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207203	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	162038	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
35) Dibromofluoromethane	5.51	113	132107	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.72	98	507374	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.15	95	191229	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

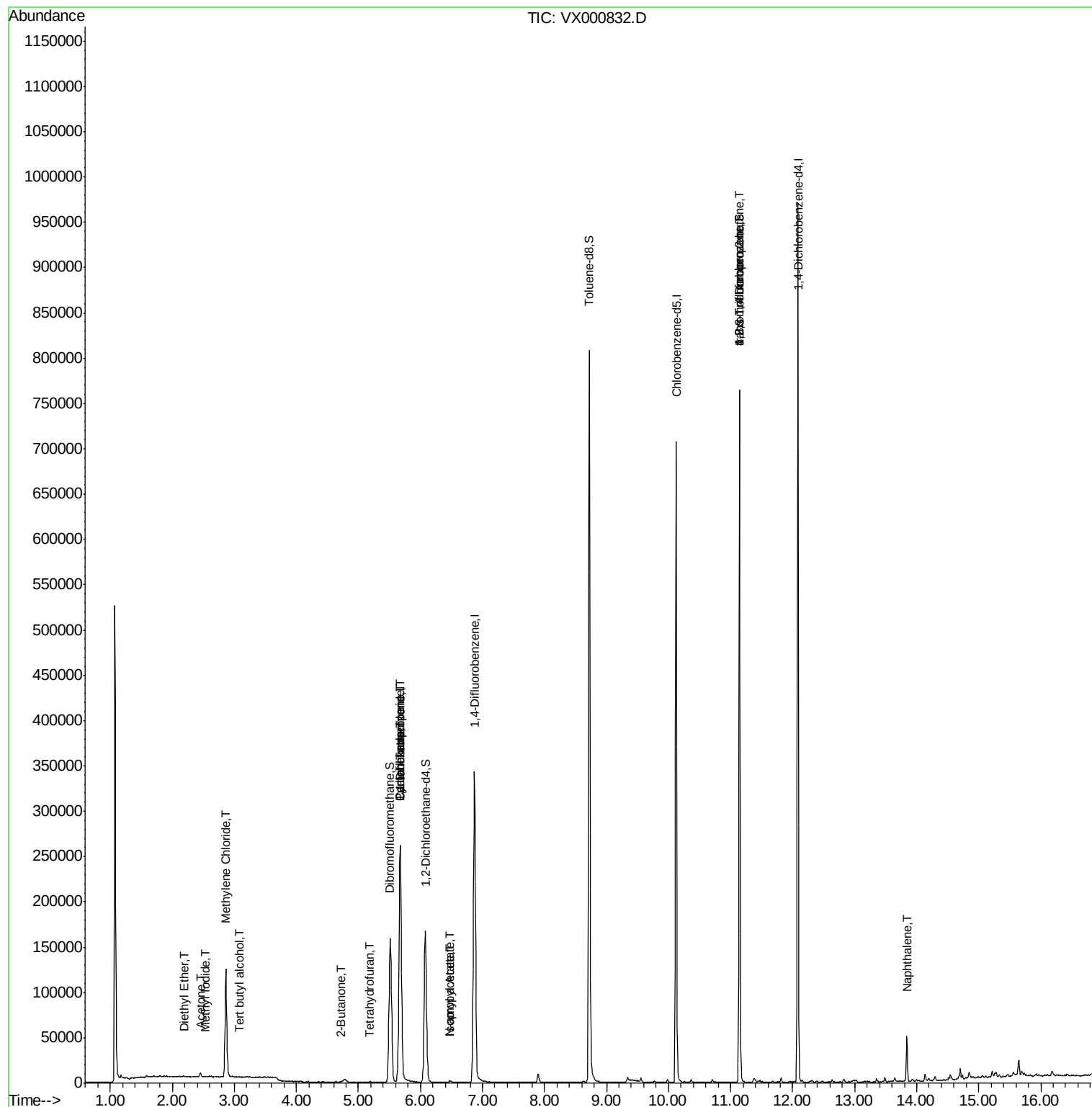
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	333	Below Cal		98
8) Diethyl Ether	2.19	74	383	0.22	ug/l	89
10) Methyl Iodide	2.53	142	81	8.26	ug/l #	42
11) Tert butyl alcohol	3.08	59	260	0.41	ug/l #	84
16) Acetone	2.45	43	4223	3.45	ug/l	91
20) Methylene Chloride	2.86	84	58112	20.41	ug/l	96
25) 2-Butanone	4.72	43	1345	0.67	ug/l	97
29) Tetrahydrofuran	5.18	42	409	0.32	ug/l #	64
31) Cyclohexane	5.67	56	4727	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17020	4.16	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24261	5.30	ug/l #	15
43) Isopropyl Acetate	6.48	43	2267	0.33	ug/l	96
74) N-amyl acetate	6.48	43	2267	0.38	ug/l #	96
76) 1,2,3-Trichloropropane	11.15	75	93158	26.07	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	93158	71.71	ug/l #	11
95) Naphthalene	13.84	128	29796	1.98	ug/l	97

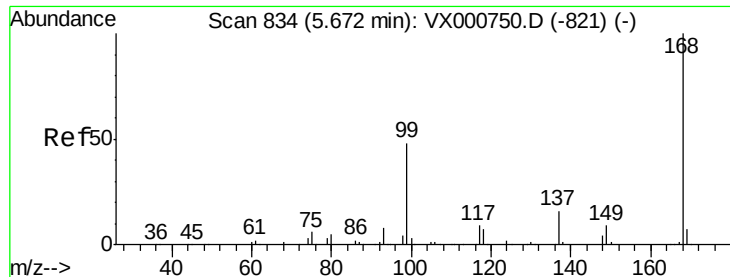
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

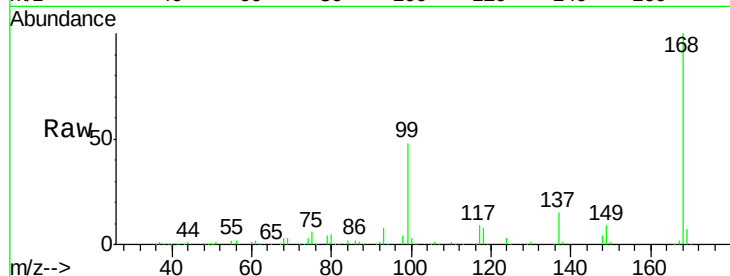
72-12002-OILY-DEBRIS

Tgt Ion: 168 Resp: 281575

Ion Ratio Lower Upper

168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

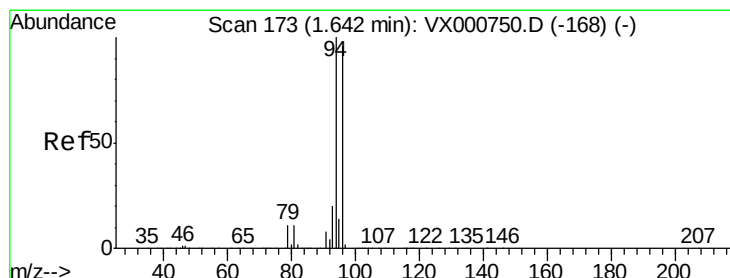
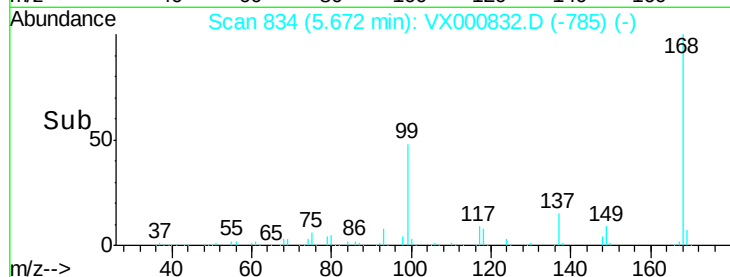
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000832.D

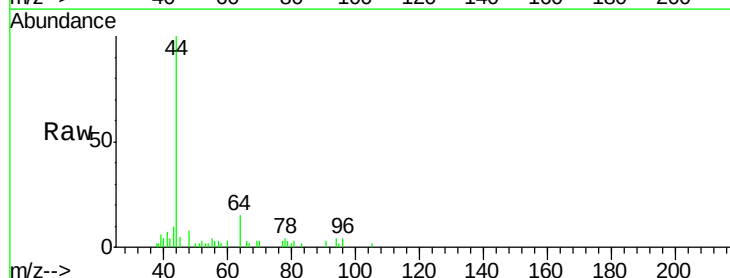
Acq: 13 Apr 2018 04:54

Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

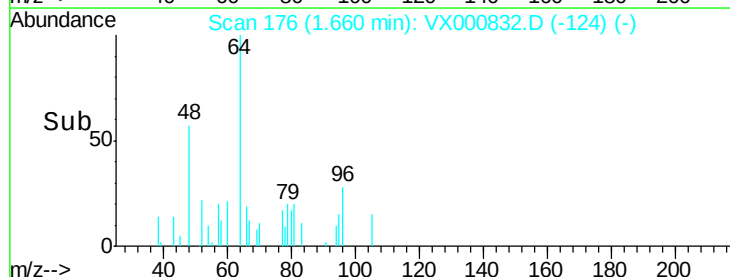
150

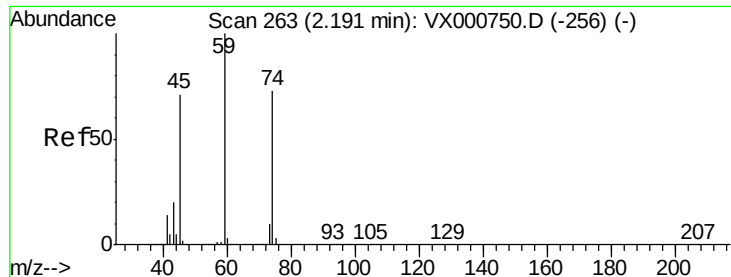
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

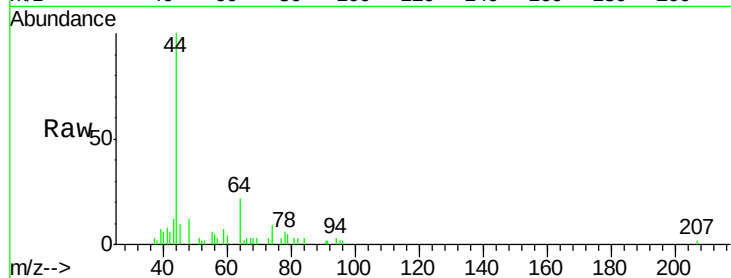
72-12002-OILY-DEBRIS

Tgt Ion: 74 Resp: 383

Ion Ratio Lower Upper

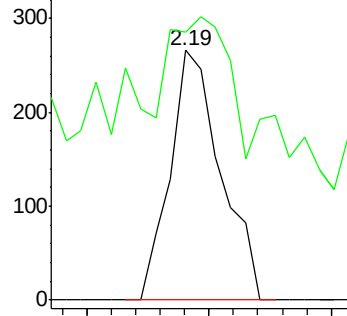
74 100

45 107.8 48.6 145.8

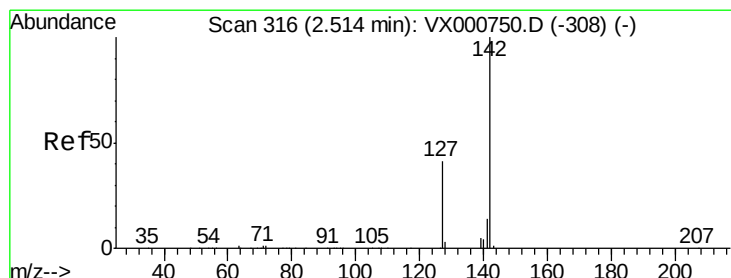
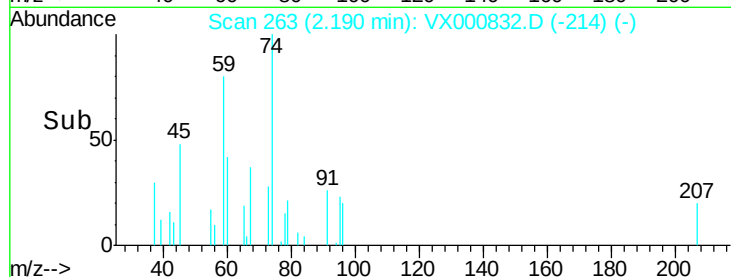


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#10

Methyl Iodide

Concen: 8.26 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

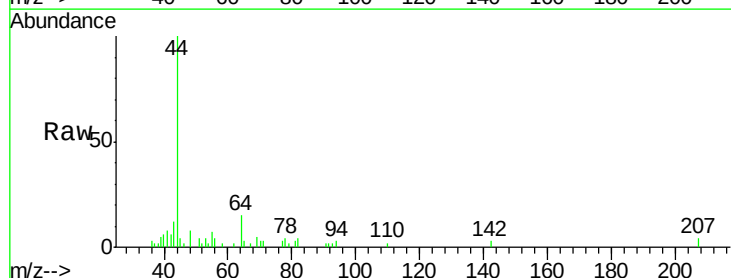
Tgt Ion: 142 Resp: 81

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

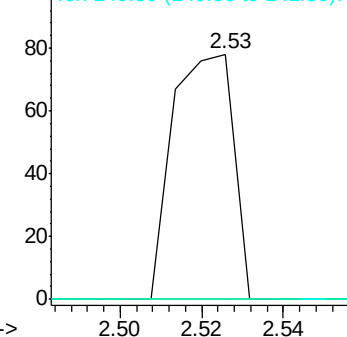
141 0.0 11.5 17.3#



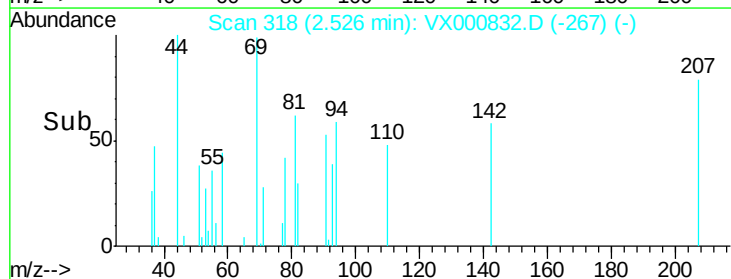
Abundance Ion 141.80 (141.50 to 142.50): V

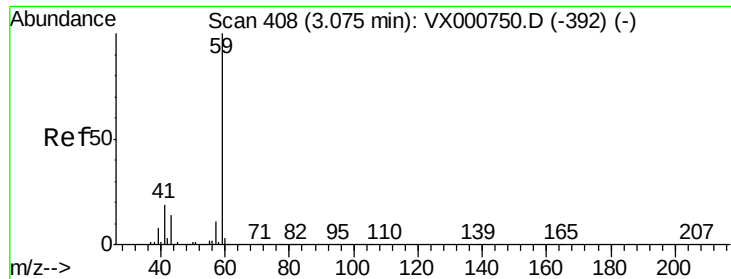
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

Tert butyl alcohol

Concen: 0.41 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

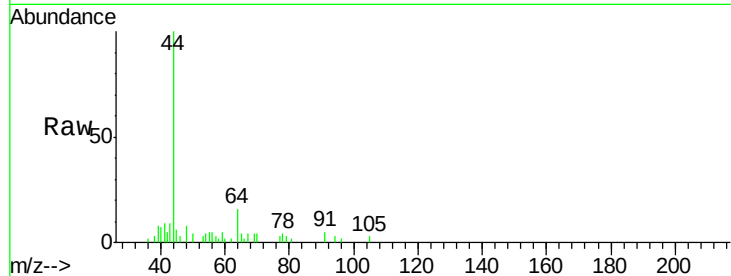
72-12002-OILY-DEBRIS

Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

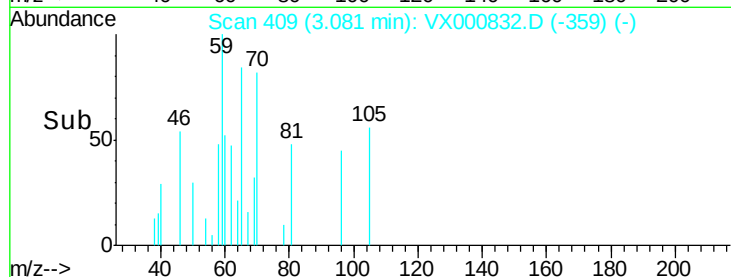
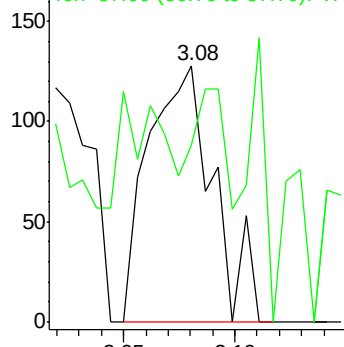
59 100

57 16.5 8.4 12.6#

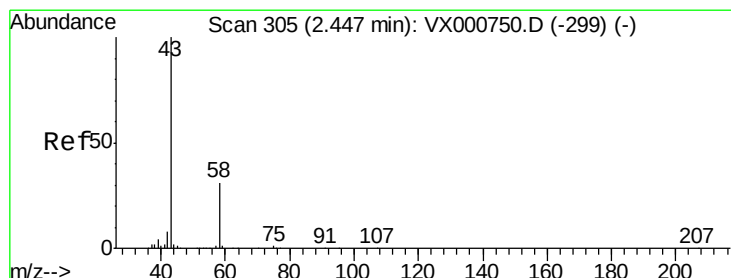


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#16

Acetone

Concen: 3.45 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000832.D

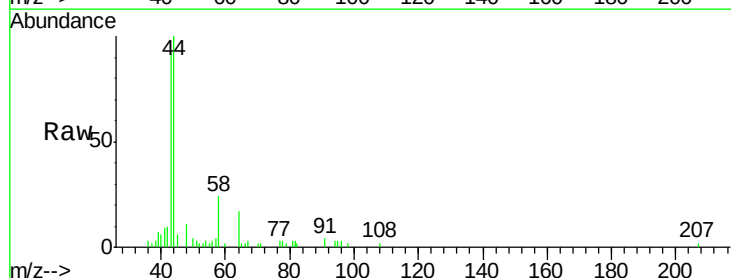
Acq: 13 Apr 2018 04:54

Tgt Ion: 43 Resp: 4223

Ion Ratio Lower Upper

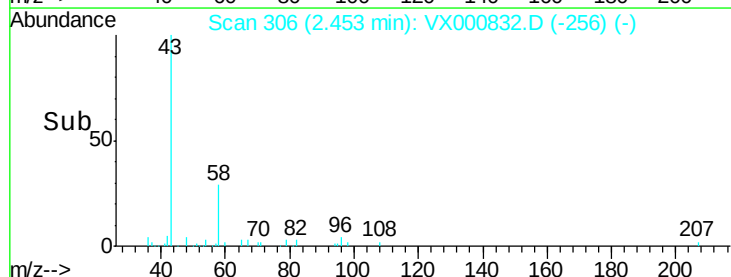
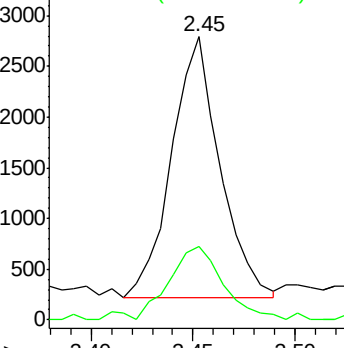
43 100

58 26.1 24.6 37.0

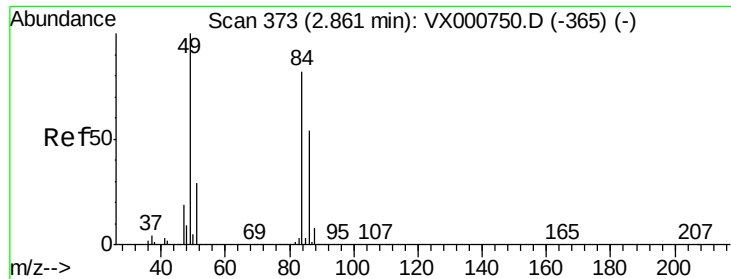


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



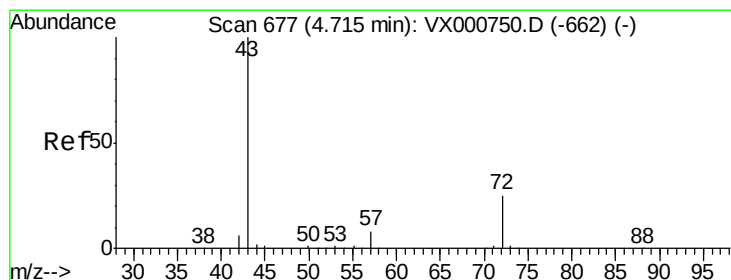
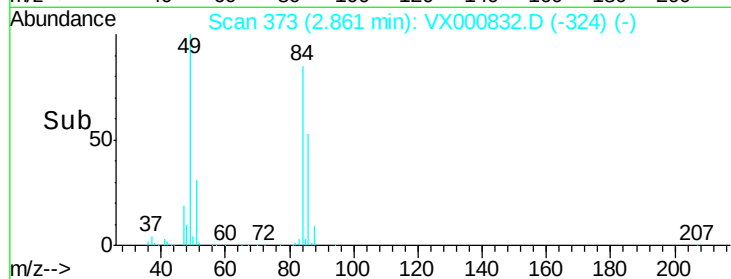
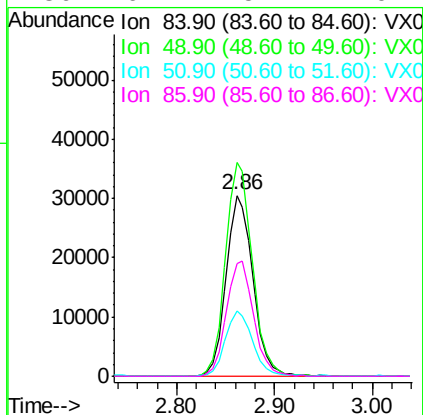
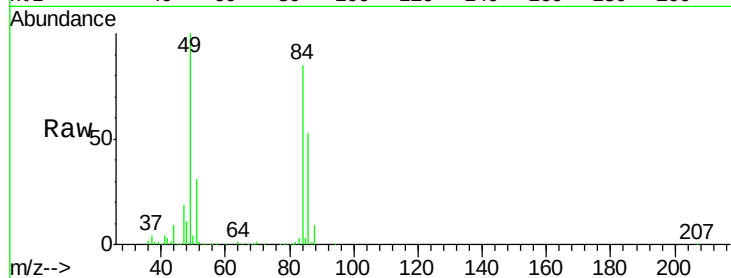
Time-->



#20
Methylene Chloride
Concen: 20.41 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000832.D
Acq: 13 Apr 2018 04:54

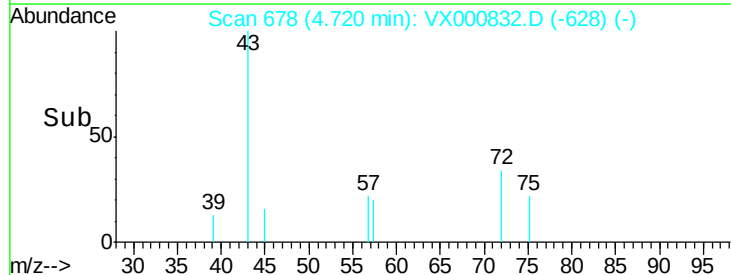
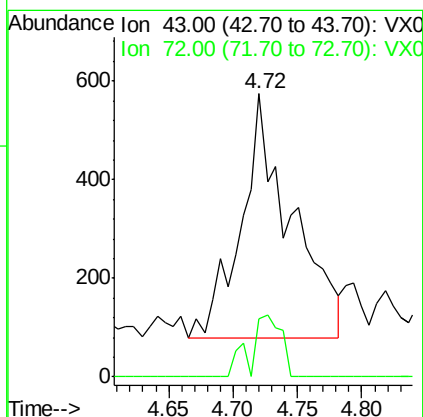
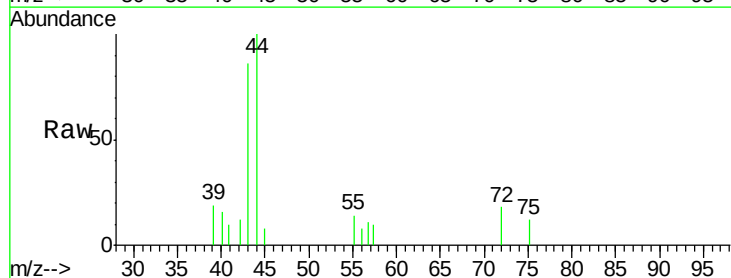
Instrument :
MSVOA_X
ClientSampleId :
72-12002-OILY-DEBRIS

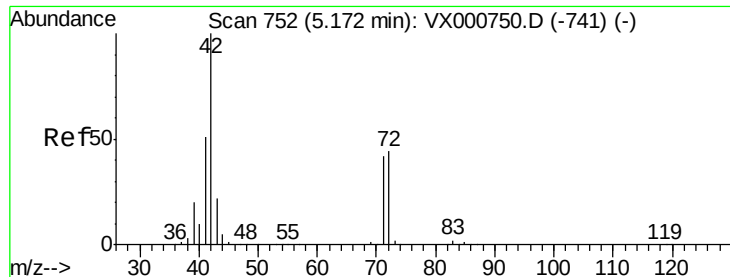
Tgt Ion: 84 Resp: 58112
Ion Ratio Lower Upper
84 100
49 118.3 98.1 147.1
51 36.5 28.9 43.3
86 62.2 52.7 79.1



#25
2-Butanone
Concen: 0.67 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000832.D
Acq: 13 Apr 2018 04:54

Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
72 23.8 20.3 30.5





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

72-12002-OILY-DEBRIS

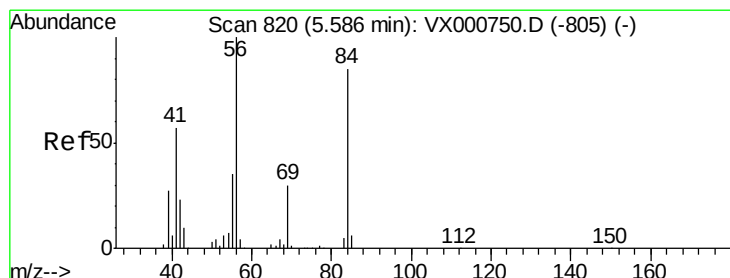
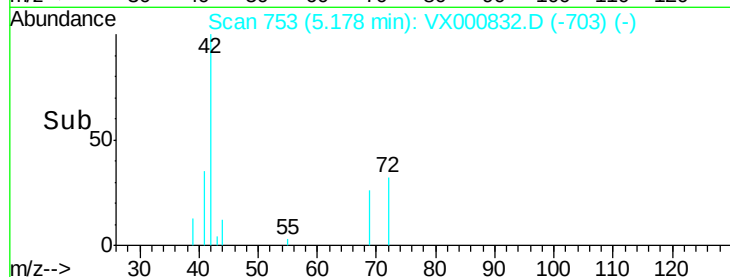
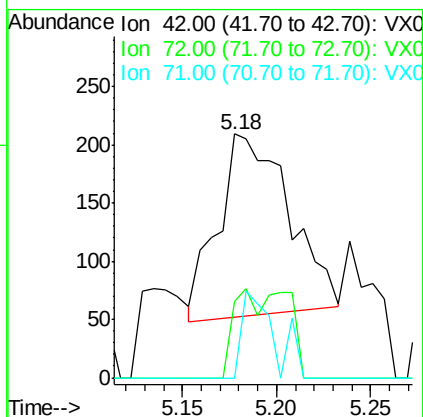
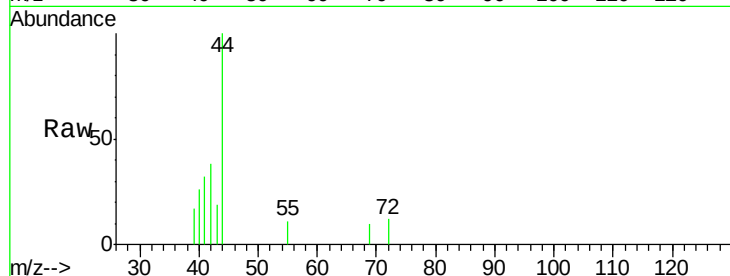
Tgt Ion: 42 Resp: 409

Ion Ratio Lower Upper

42 100

72 17.6 35.1 52.7#

71 21.5 32.8 49.2#



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

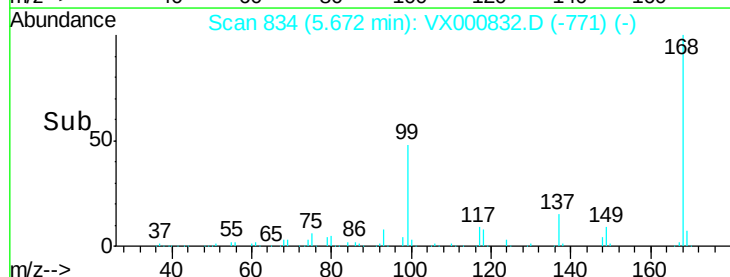
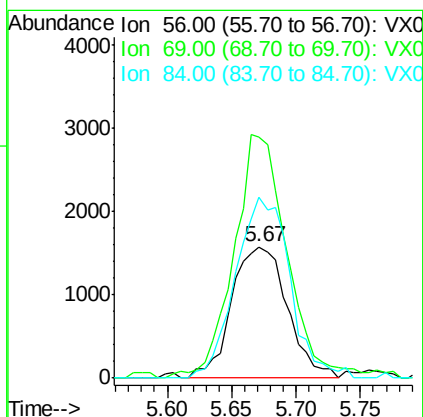
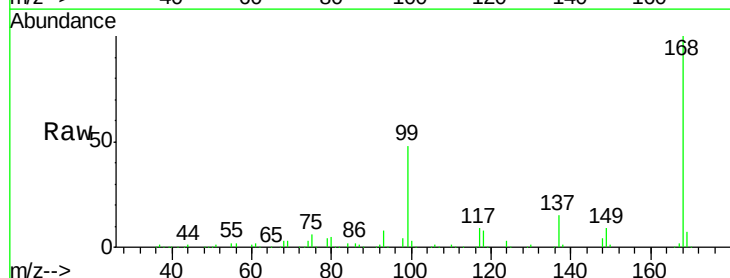
Tgt Ion: 56 Resp: 4727

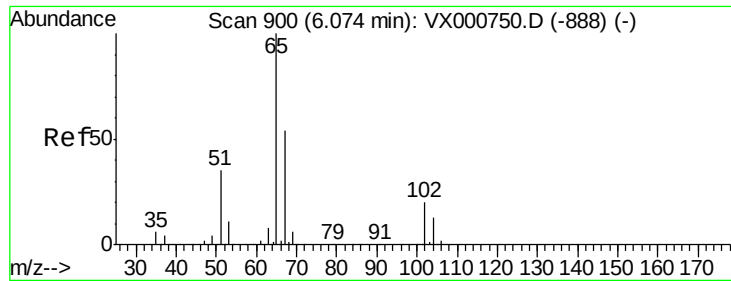
Ion Ratio Lower Upper

56 100

69 180.1 24.2 36.4#

84 137.4 67.6 101.4#

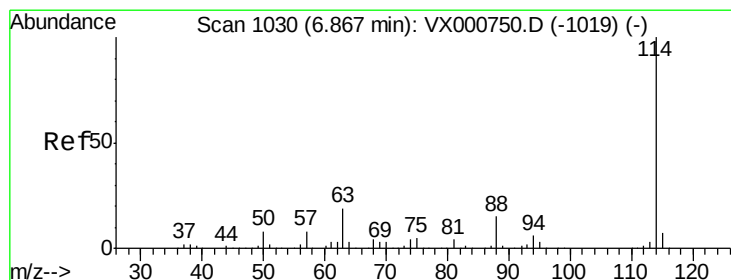
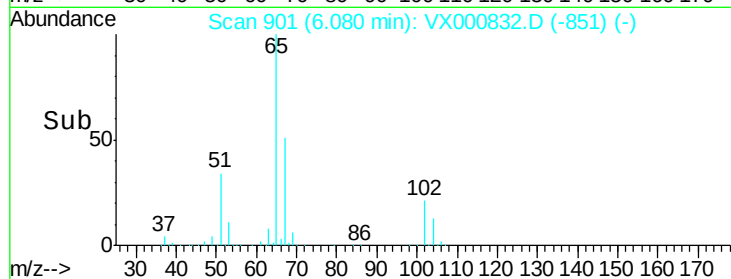
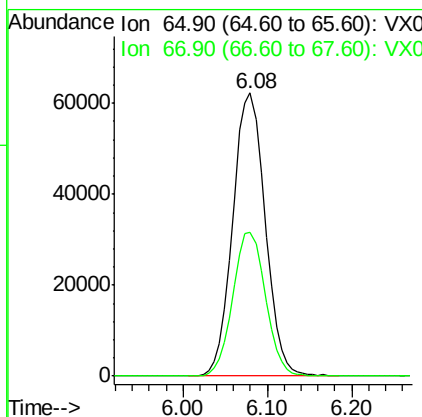
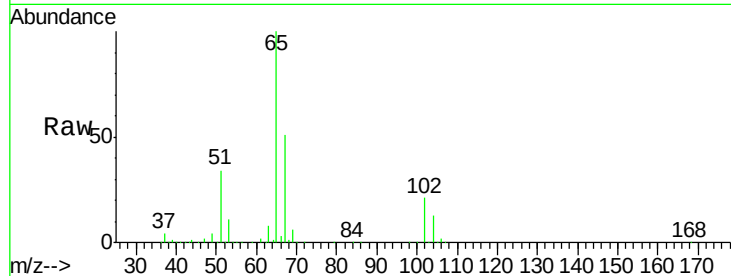




#33
 1,2-Dichloroethane-d4
 Concen: 45.64 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000832.D
 Acq: 13 Apr 2018 04:54

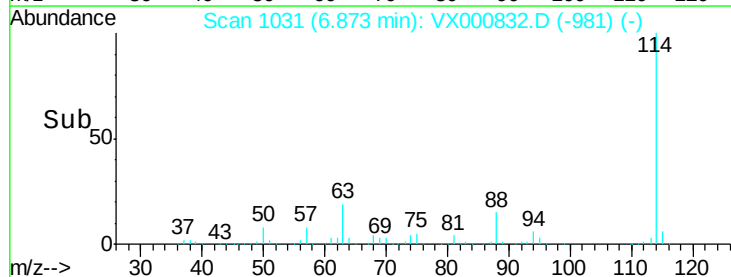
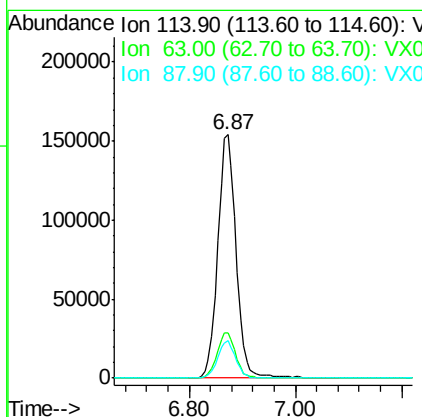
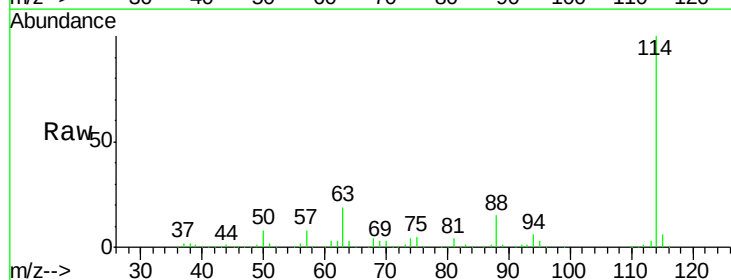
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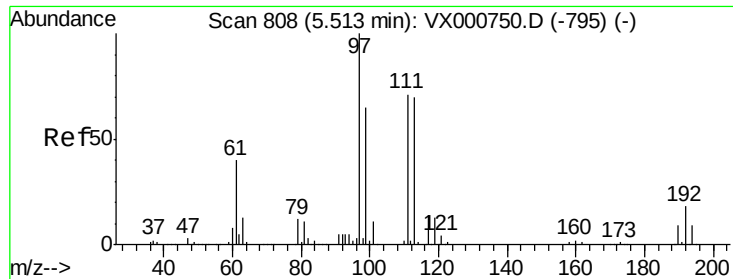
Tgt Ion: 65 Resp: 162038
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000832.D
 Acq: 13 Apr 2018 04:54

Tgt Ion: 114 Resp: 371180
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 15.3 0.0 31.0

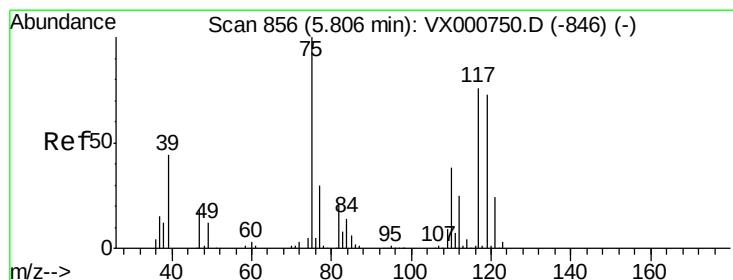
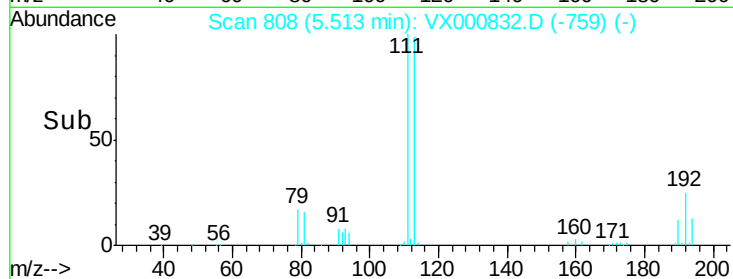
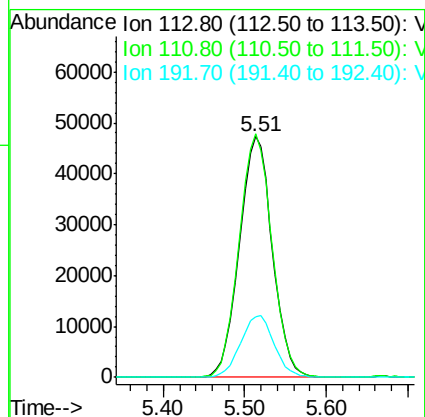
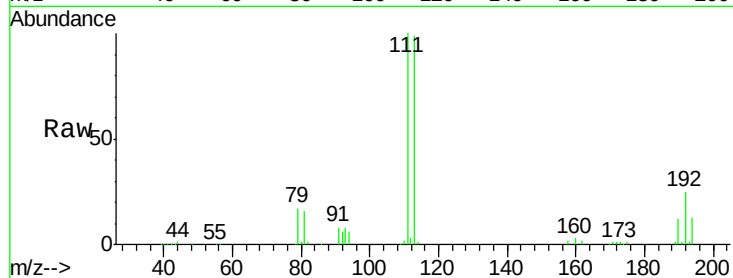




#35
 Dibromofluoromethane
 Concen: 46.20 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000832.D
 Acq: 13 Apr 2018 04:54

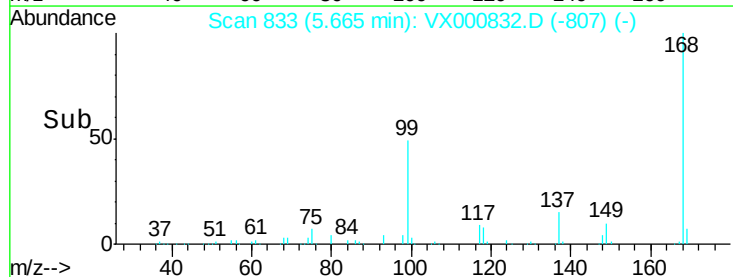
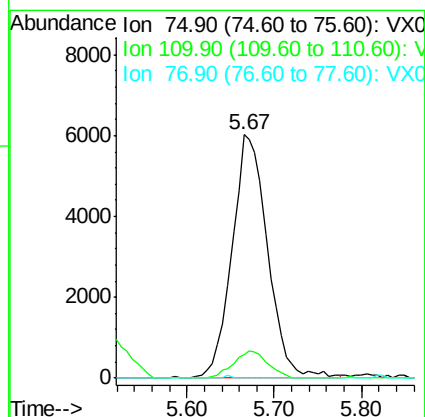
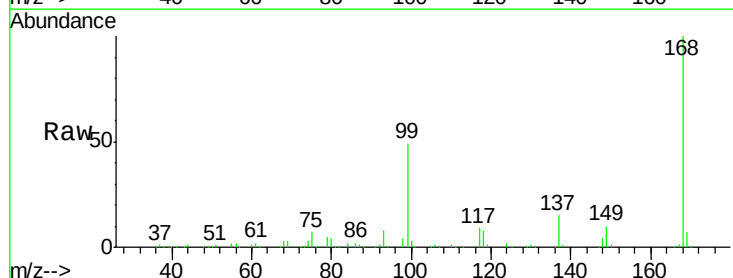
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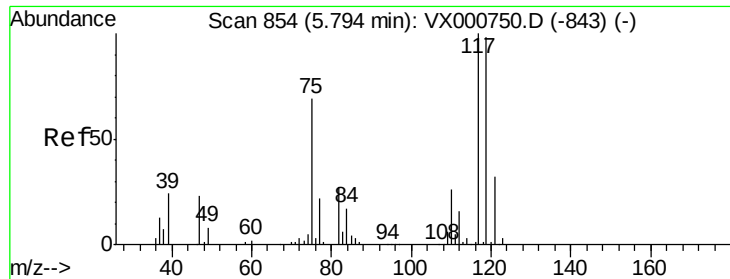
Tgt Ion:113 Resp: 132107
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 26.3 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.16 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX000832.D
 Acq: 13 Apr 2018 04:54

Tgt Ion: 75 Resp: 17020
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.30 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

72-12002-OILY-DEBRIS

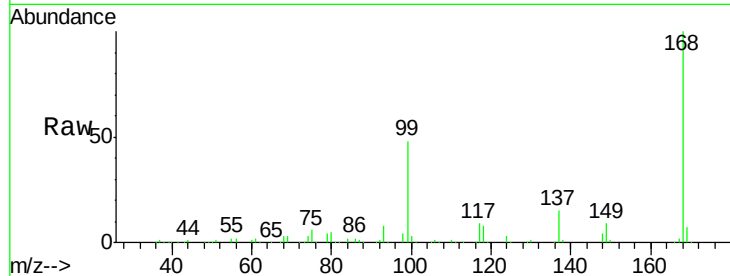
Tgt Ion: 117 Resp: 24261

Ion Ratio Lower Upper

117 100

119 5.5 78.4 117.6#

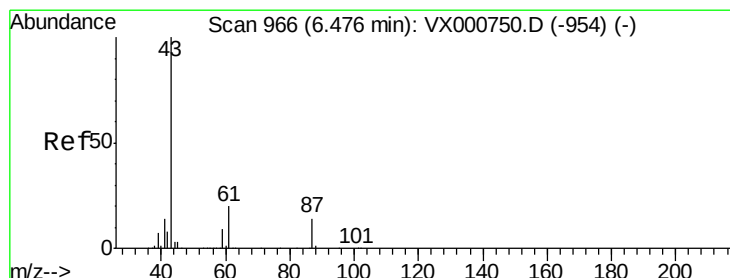
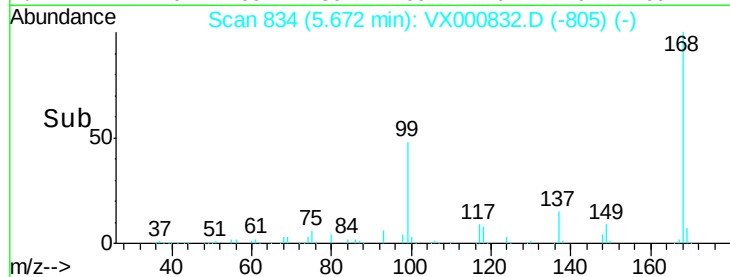
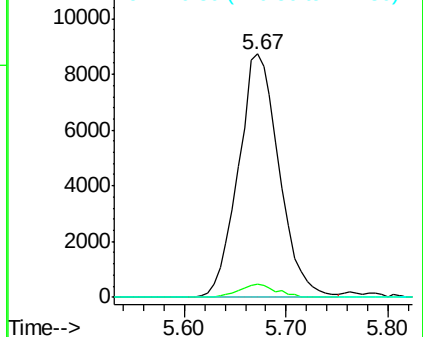
121 0.0 25.4 38.0#



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: 0.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

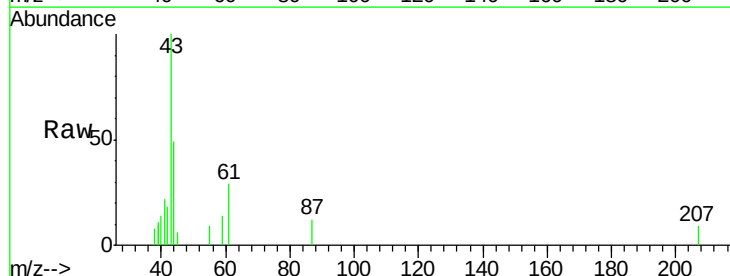
Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

61 21.3 15.6 23.4

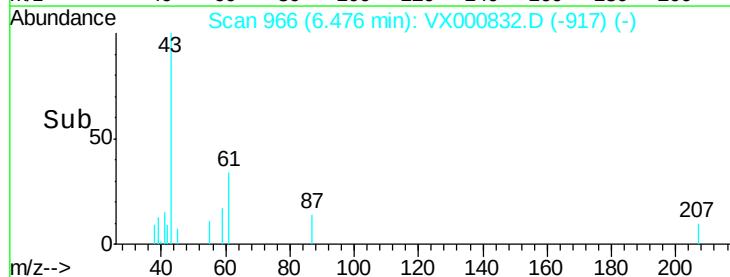
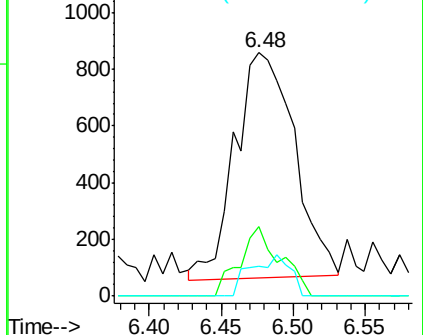
87 12.0 10.7 16.1

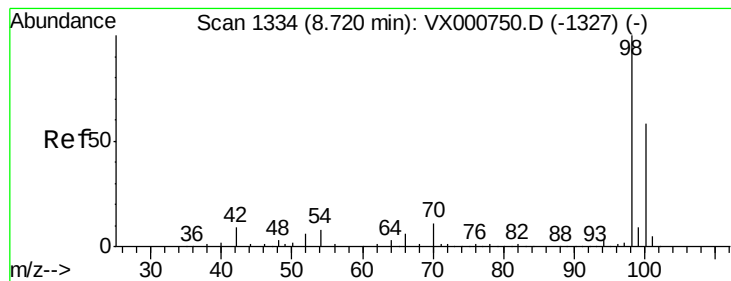


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 47.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

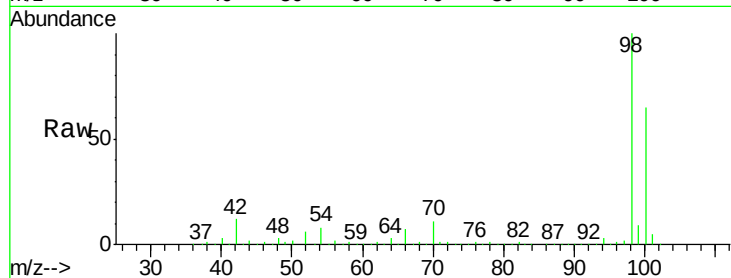
72-12002-OILY-DEBRIS

Tgt Ion: 98 Resp: 507374

Ion Ratio Lower Upper

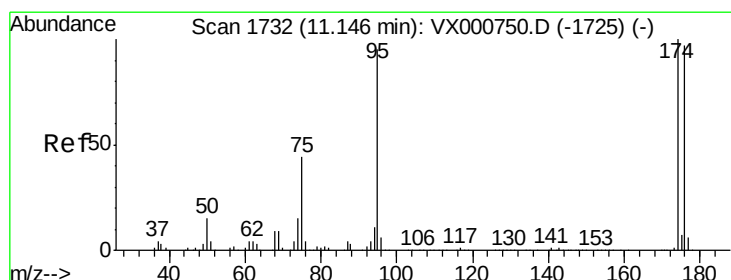
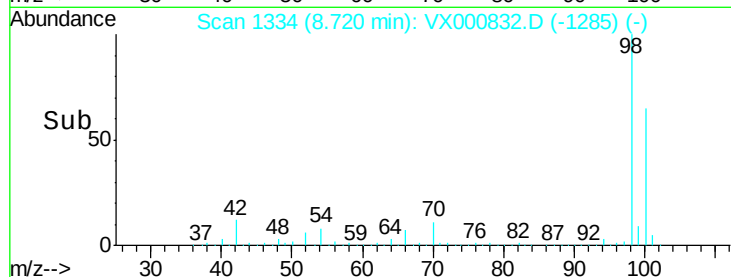
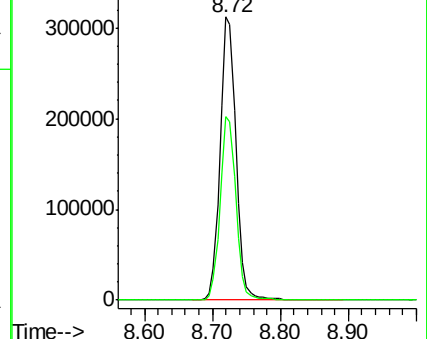
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

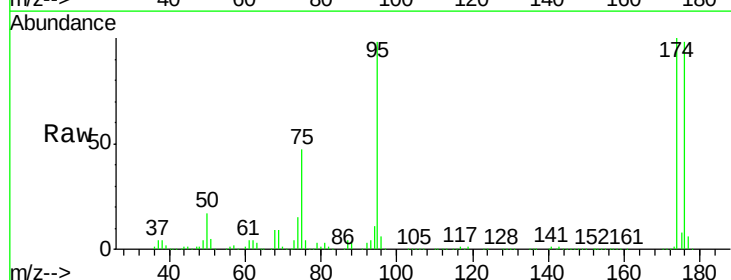
Tgt Ion: 95 Resp: 191229

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

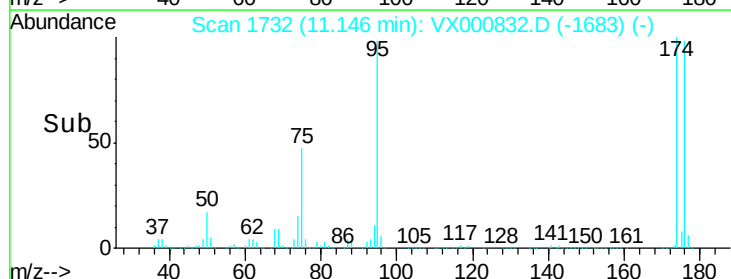
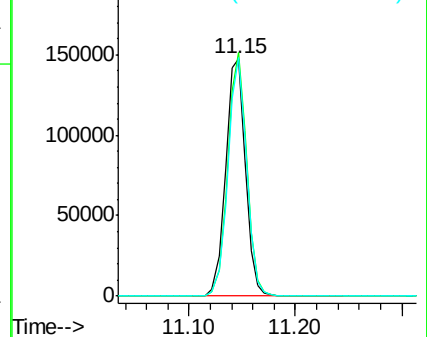
176 95.3 0.0 194.4

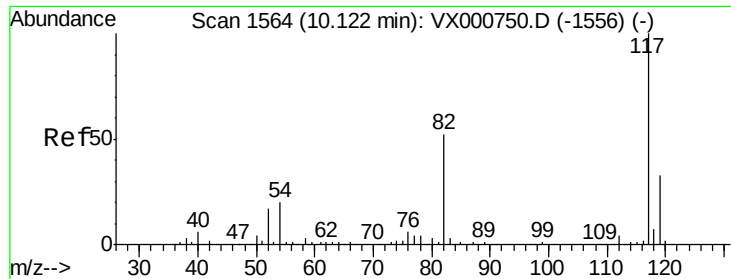


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

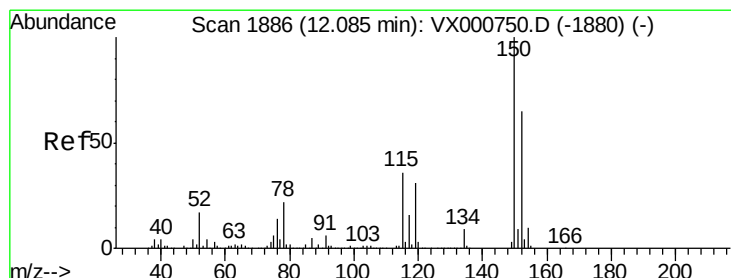
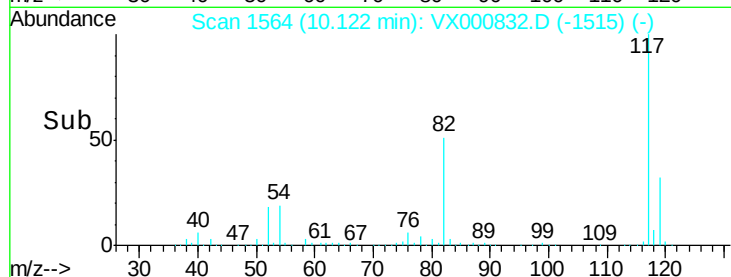
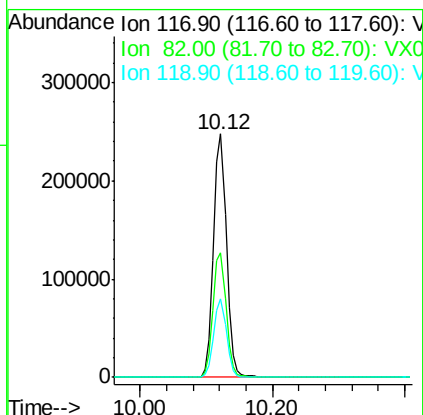
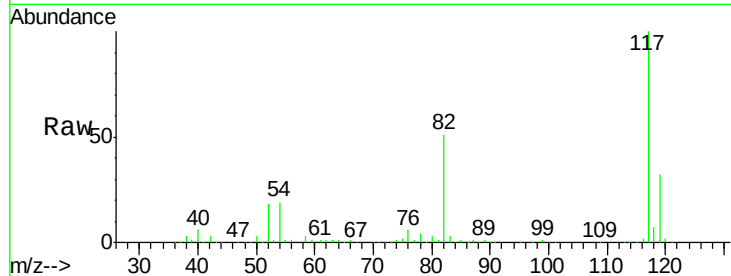




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000832.D
Acq: 13 Apr 2018 04:54

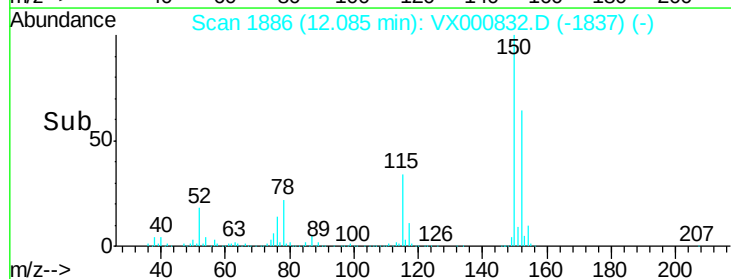
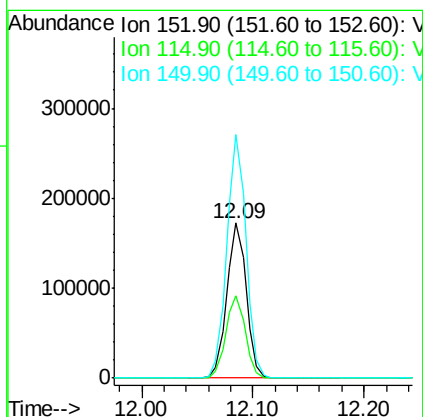
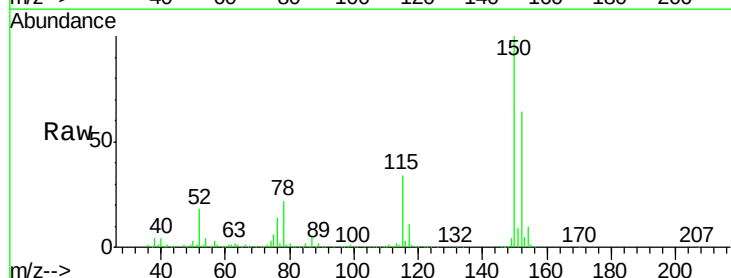
Instrument :
MSVOA_X
ClientSampleId :
72-12002-OILY-DEBRIS

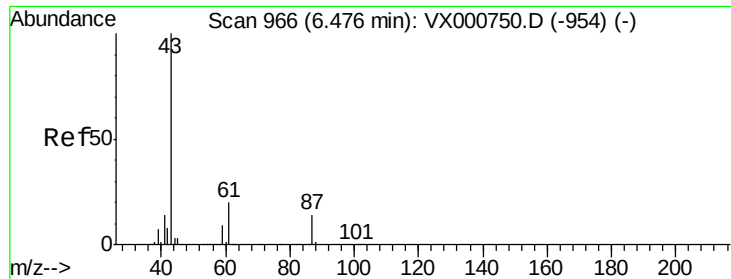
Tgt Ion:117 Resp: 333911
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000832.D
Acq: 13 Apr 2018 04:54

Tgt Ion:152 Resp: 207203
Ion Ratio Lower Upper
152 100
115 53.5 37.9 113.7
150 155.6 0.0 348.0





#74

N-ethyl acetate

Concen: 0.38 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

72-12002-OILY-DEBRIS

Tgt Ion: 43 Resp: 2267

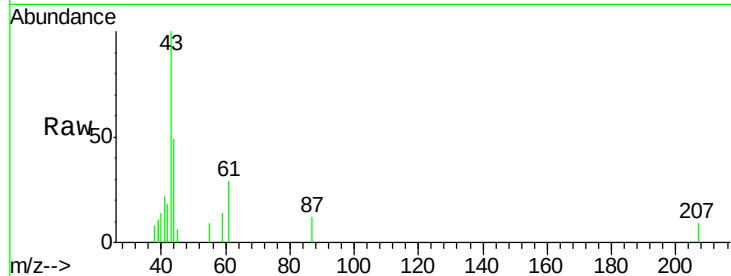
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.2 0.0 0.0#

61 21.3 15.6 23.4

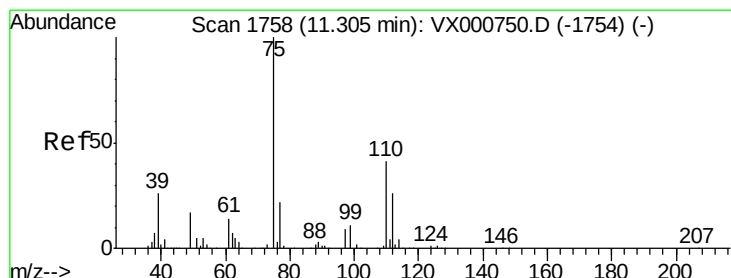
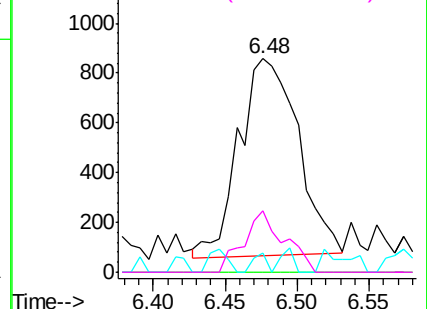
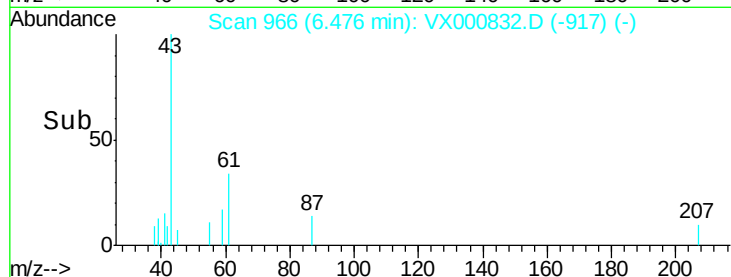


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 26.07 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000832.D

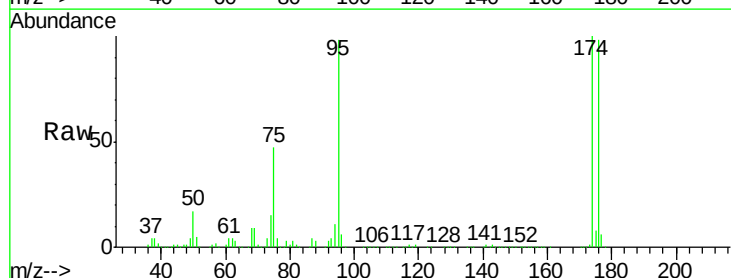
Acq: 13 Apr 2018 04:54

Tgt Ion: 75 Resp: 93158

Ion Ratio Lower Upper

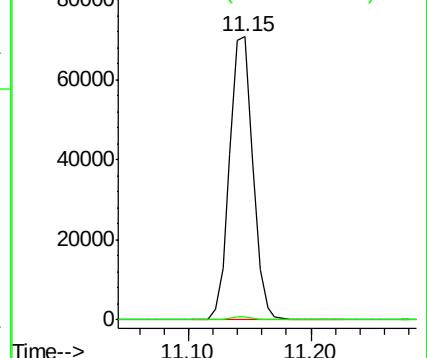
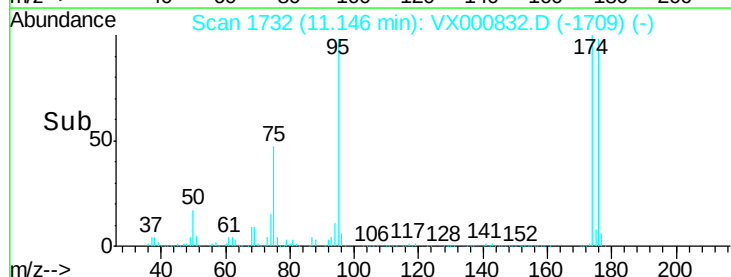
75 100

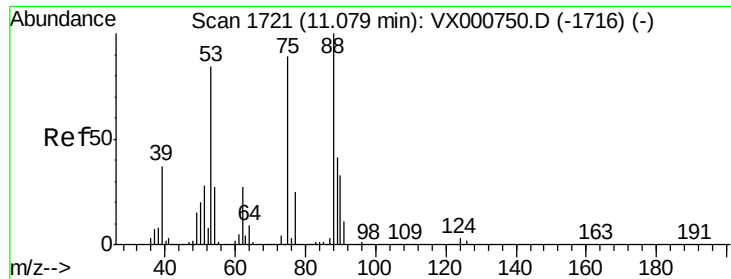
77 1.2 20.5 61.5#



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: 71.71 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

Instrument :

MSVOA_X

ClientSampleId :

72-12002-OILY-DEBRIS

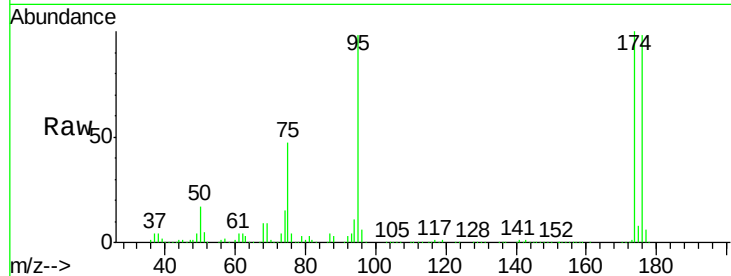
Tgt Ion: 75 Resp: 93158

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

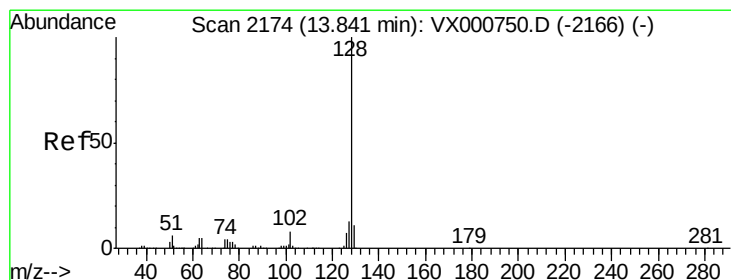
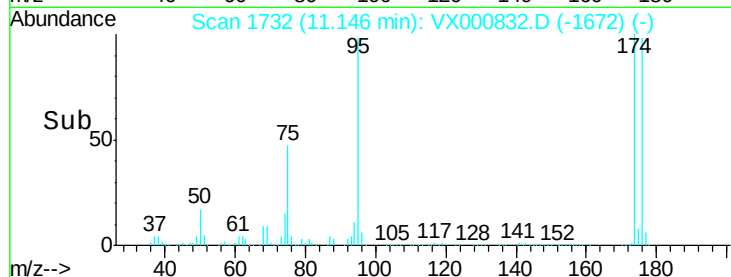
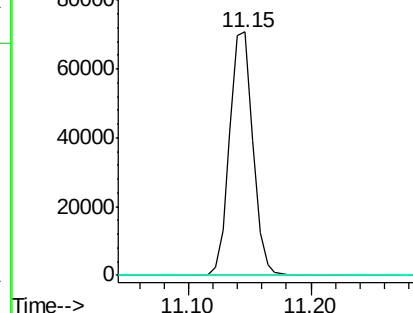
89 0.0 40.9 61.3#



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



#95

Naphthalene

Concen: 1.98 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000832.D

Acq: 13 Apr 2018 04:54

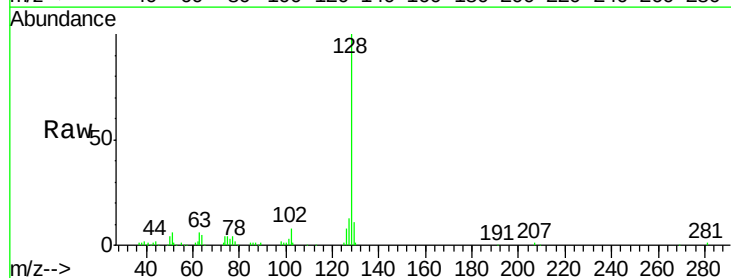
Tgt Ion: 128 Resp: 29796

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 11.9 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

