

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002059.D
 Acq On : 27 May 2018 10:02
 Operator : JC/MD
 Sample : J3128-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-OILY-GRAVEL

Quant Time: May 28 06:51:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

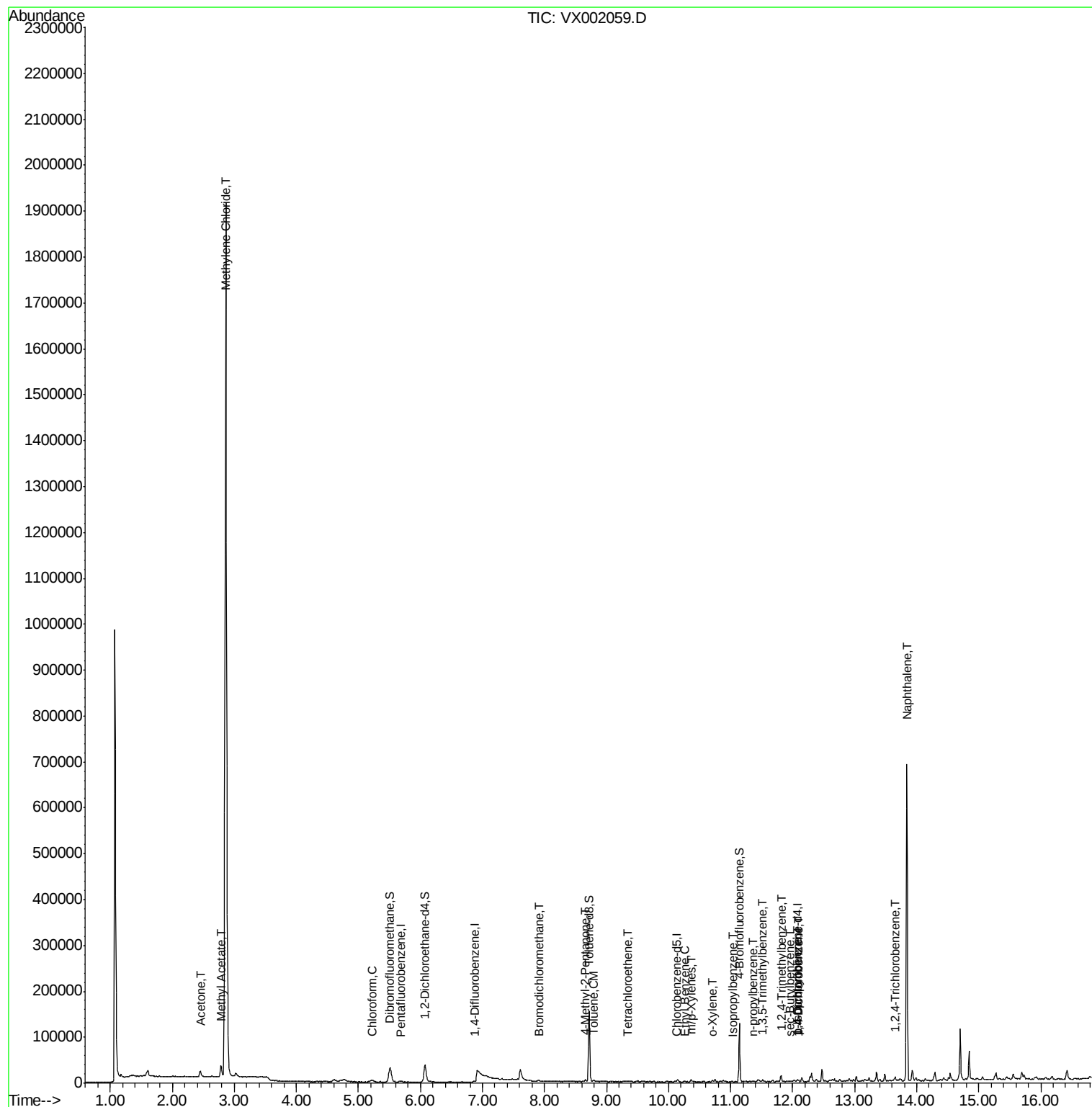
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	1836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	612	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	35568	1083.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	2167.56%	
35) Dibromofluoromethane	5.51	113	25982	1609.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3219.56%	
50) Toluene-d8	8.72	98	88060	1507.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3014.08%	
62) 4-Bromofluorobenzene	11.14	95	29841	1305.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	2610.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	28	Below Cal	#	41
16) Acetone	2.45	43	15169	1197.64	ug/l	97
18) Methyl Acetate	2.78	43	29725	995.73	ug/l	98
20) Methylene Chloride	2.86	84	853180	40245.08	ug/l	98
28) Bromochloromethane	5.03	49	27	Below Cal	#	14
30) Chloroform	5.23	83	3992	81.64	ug/l	88
47) Bromodichloromethane	7.90	83	1066	42.28	ug/l	# 83
51) 4-Methyl-2-Pentanone	8.66	43	2314	78.71	ug/l	# 87
52) Toluene	8.79	92	937	22.39	ug/l	98
64) Tetrachloroethene	9.34	164	184	17.00	ug/l	# 76
67) Ethyl Benzene	10.26	91	986	23.72	ug/l	# 77
68) m/p-Xylenes	10.36	106	1137	71.57	ug/l	84
69) o-Xylene	10.70	106	596	37.57	ug/l	89
73) Isopropylbenzene	11.02	105	436	8.41	ug/l	93
78) n-propylbenzene	11.37	91	843	14.52	ug/l	88
80) 1,3,5-Trimethylbenzene	11.51	105	1678	37.89	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	5451	119.10	ug/l	93
85) sec-Butylbenzene	11.95	105	374	7.16	ug/l	96
86) p-Isopropyltoluene	12.07	119	614	13.13	ug/l	83
88) 1,4-Dichlorobenzene	12.10	146	233	9.46	ug/l	# 65
93) 1,2,4-Trichlorobenzene	13.65	180	670	37.35	ug/l	# 76
95) Naphthalene	13.84	128	407231	7367.55	ug/l	100

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
Data File : VX002059.D
Acq On : 27 May 2018 10:02
Operator : JC/MD
Sample : J3128-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

Quant Time: May 28 06:51:07 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 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: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

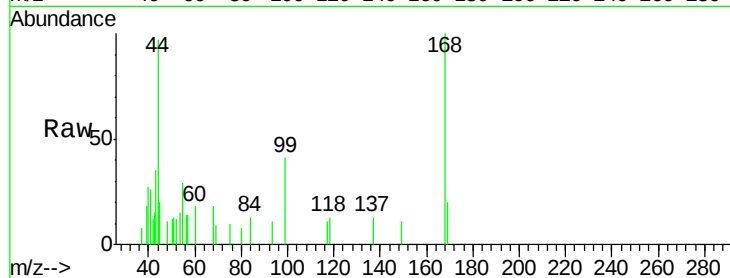
TJ-OILY-GRAVEL

Tot Ion:168 Resp: 1836

Ion Ratio Lower Upper

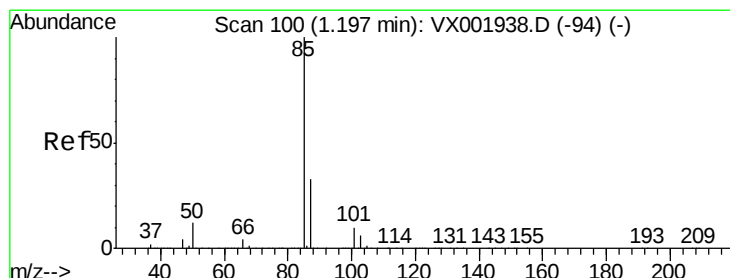
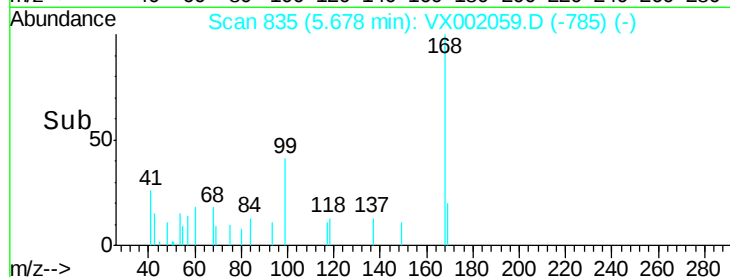
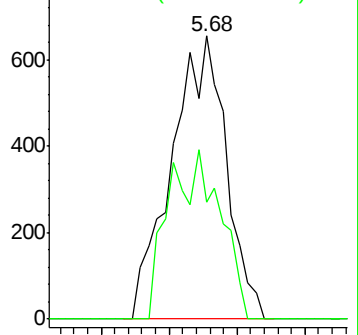
168 100

99 41.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002059.D

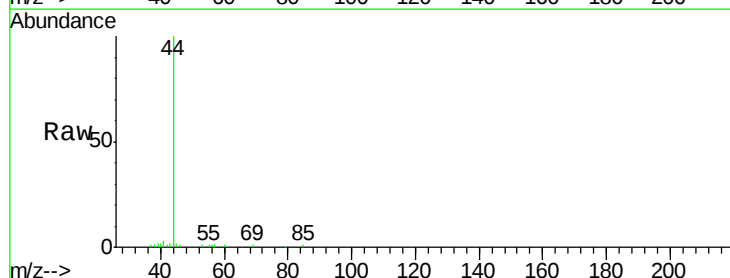
Acq: 27 May 2018 10:02

Tgt Ion: 85 Resp: 28

Ion Ratio Lower Upper

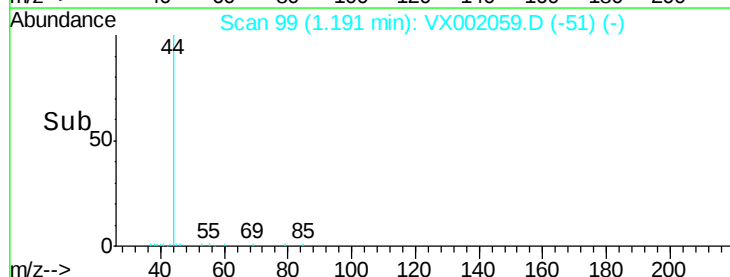
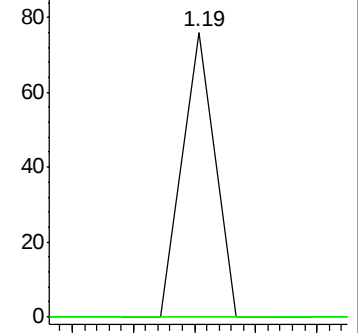
85 100

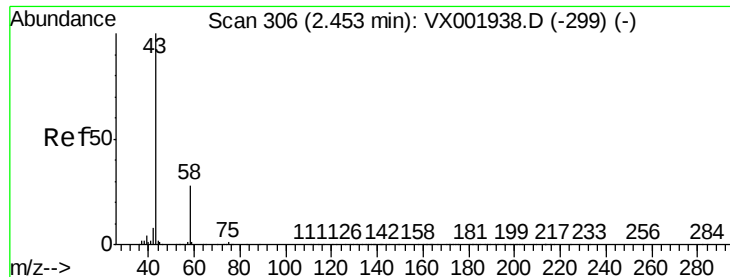
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

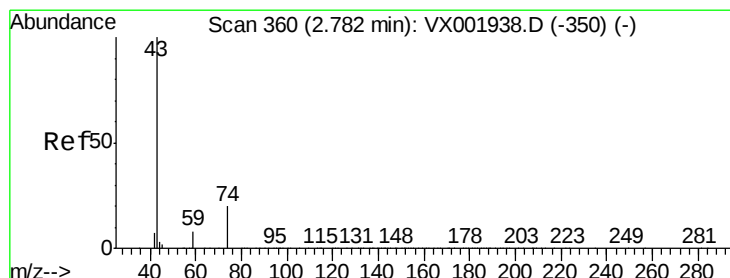
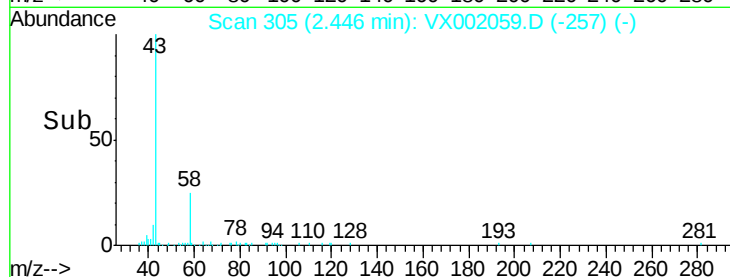
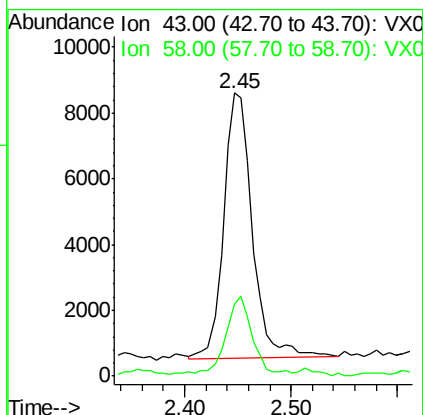
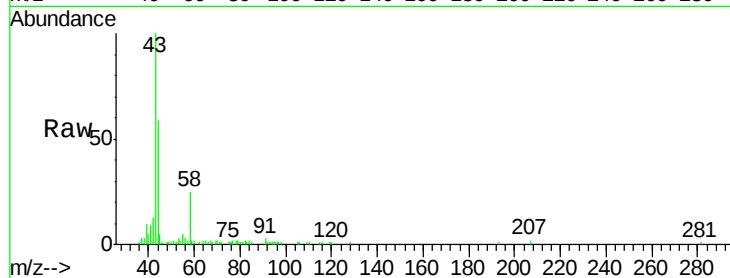




#16
Acetone
Concen: 1197.64 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

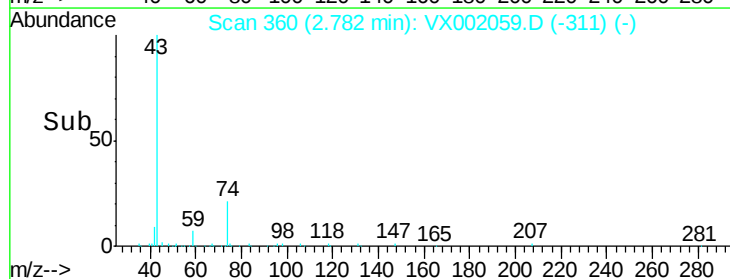
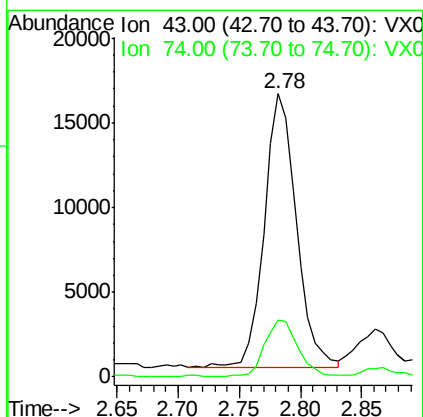
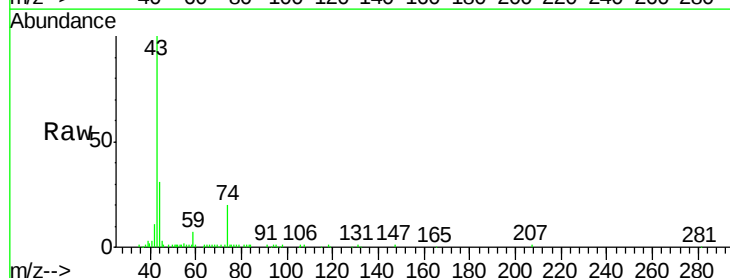
Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

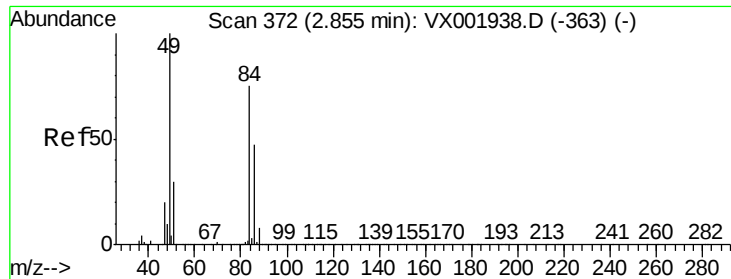
Tot Ion: 43 Resp: 15169
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#18
Methyl Acetate
Concen: 995.73 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

Tgt Ion: 43 Resp: 29725
Ion Ratio Lower Upper
43 100
74 21.8 16.8 25.2

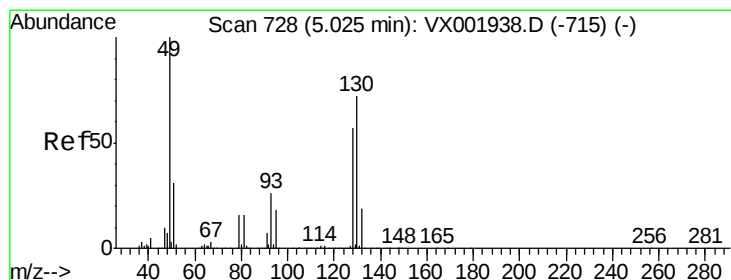
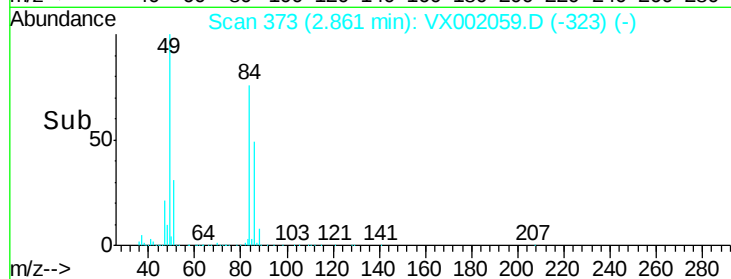
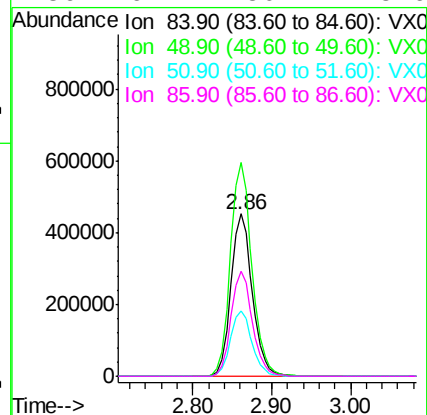
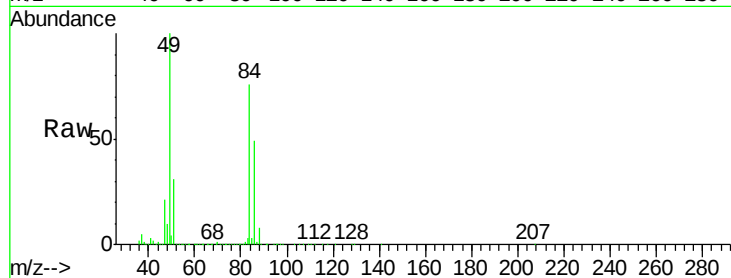




#20
Methvlene Chloride
Concen: 40245.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

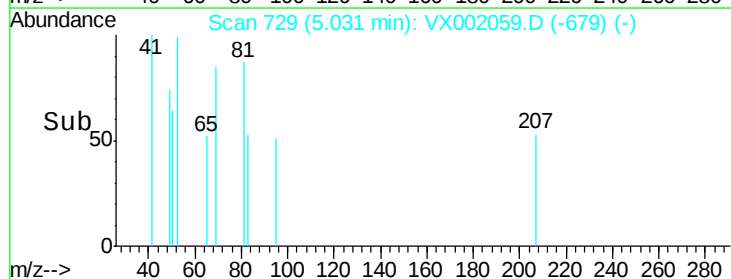
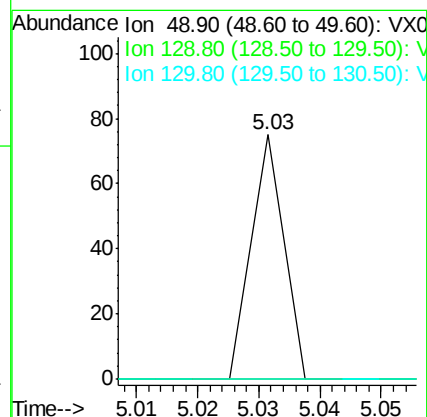
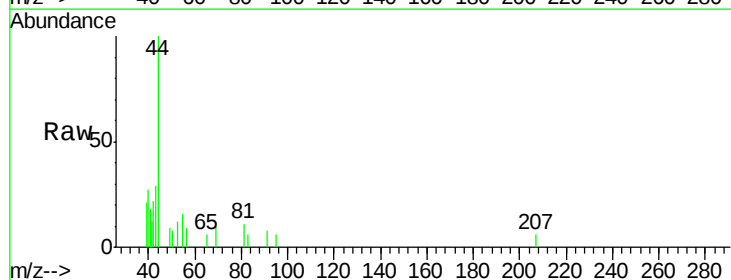
Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

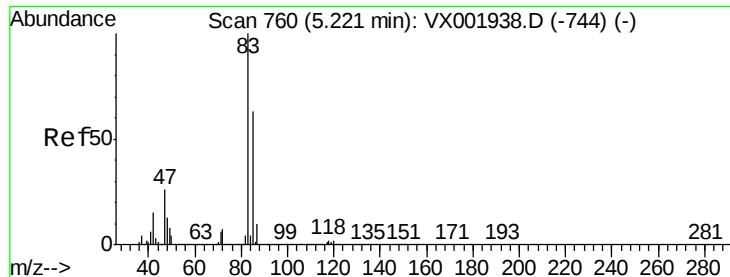
Tot Ion:	84	Resp:	853180
Ion	Ratio	Lower	Upper
84	100		
49	131.6	107.2	160.8
51	40.2	32.4	48.6
86	64.7	50.4	75.6



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

Tgt Ion:	49	Resp:	27
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#

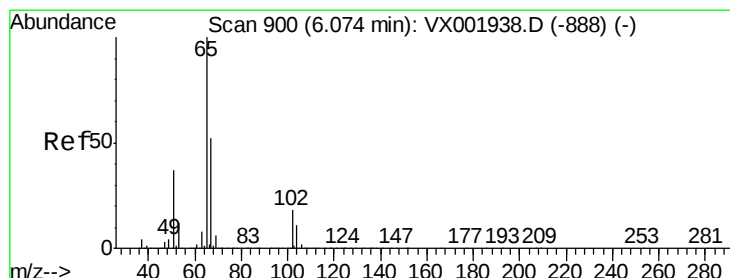
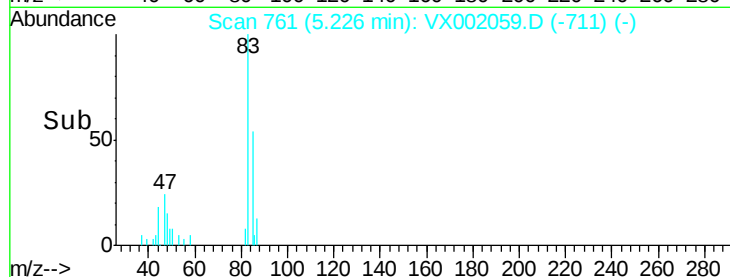
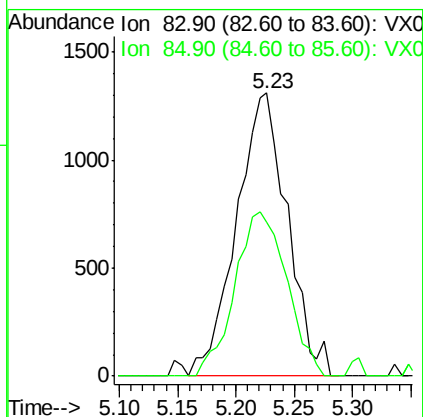
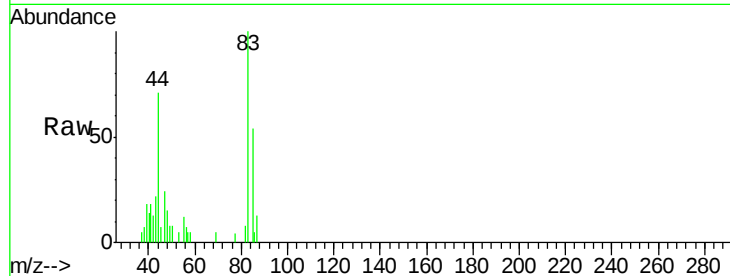




#30
Chloroform
Concen: 81.64 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

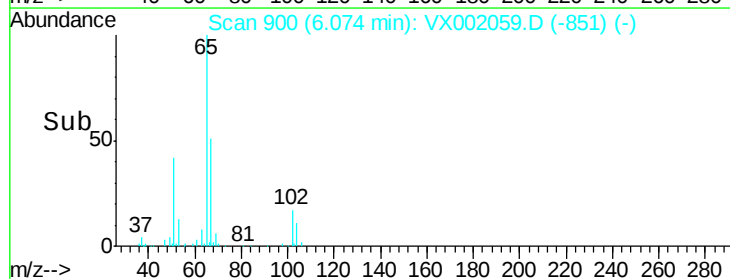
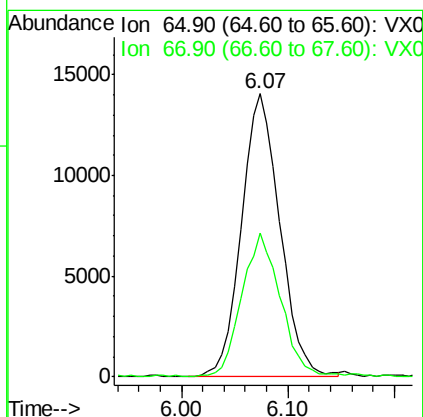
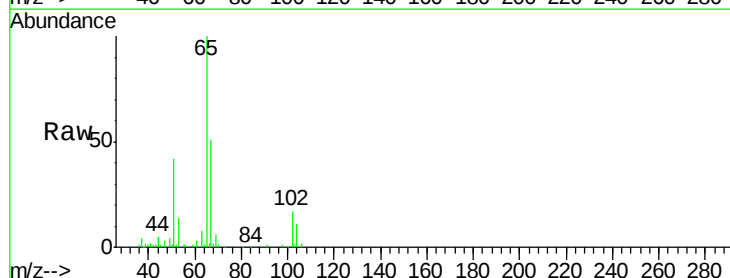
Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

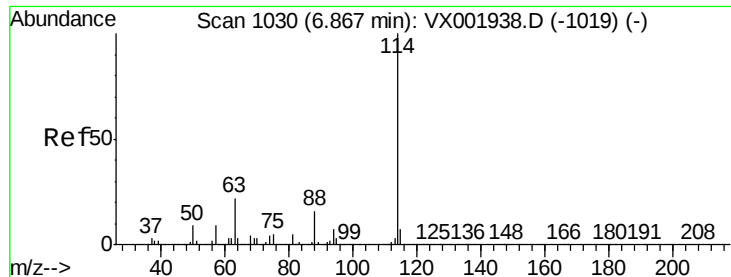
Tot Ion: 83 Resp: 3992
Ion Ratio Lower Upper
83 100
85 54.4 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 1083.78 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

Tgt Ion: 65 Resp: 35568
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

TJ-OILY-GRAVEL

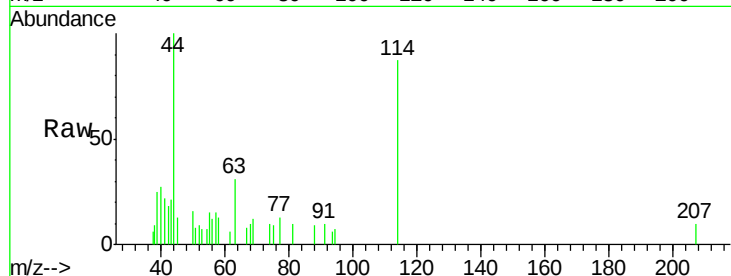
Tot Ion:114 Resp: 1614

Ion Ratio Lower Upper

114 100

63 35.3 0.0 43.2

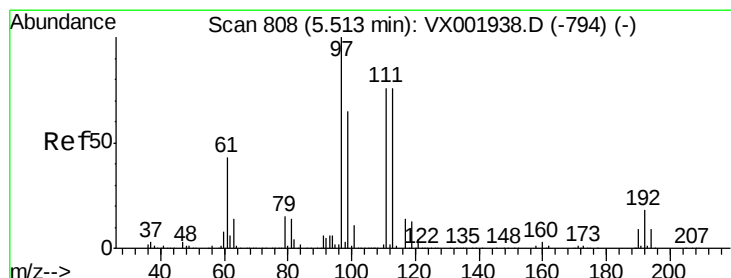
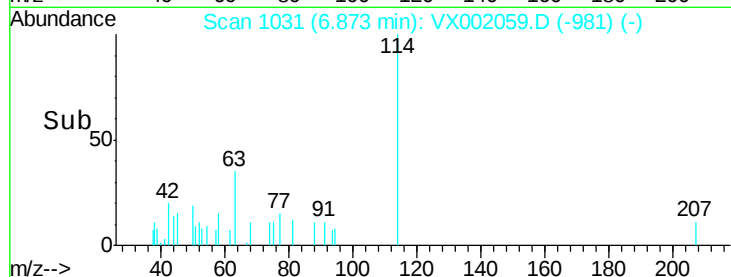
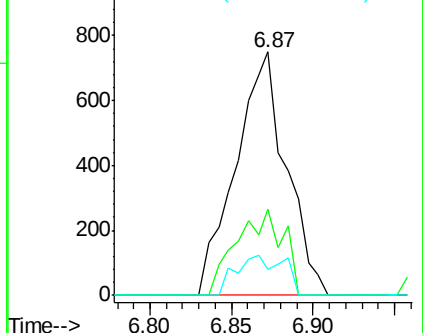
88 10.8 0.0 31.6



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: 1609.78 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

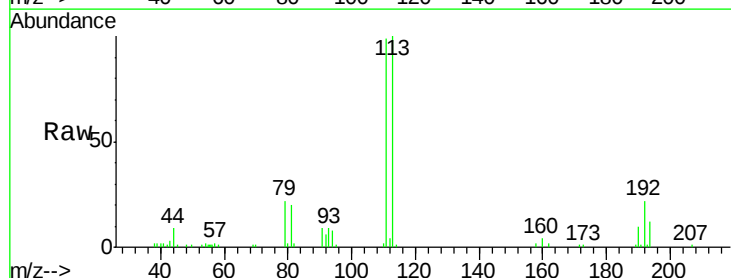
Tgt Ion:113 Resp: 25982

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

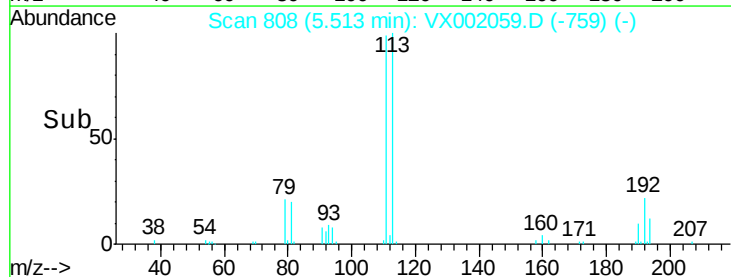
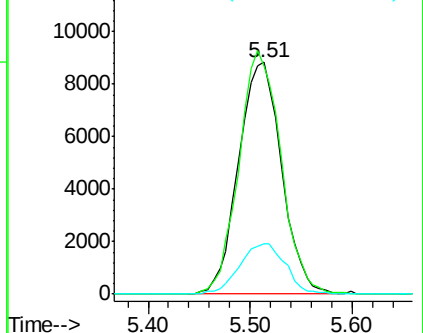
192 23.0 18.9 28.3

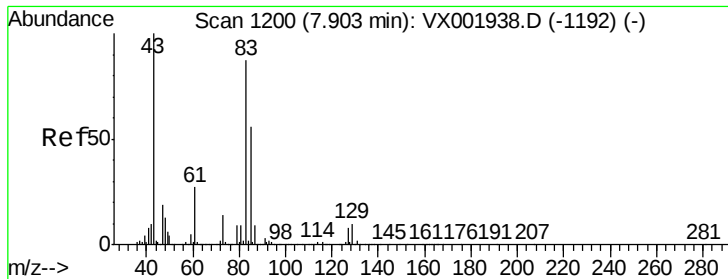


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#47

Bromodichloromethane

Concen: 42.28 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

TJ-OILY-GRAVEL

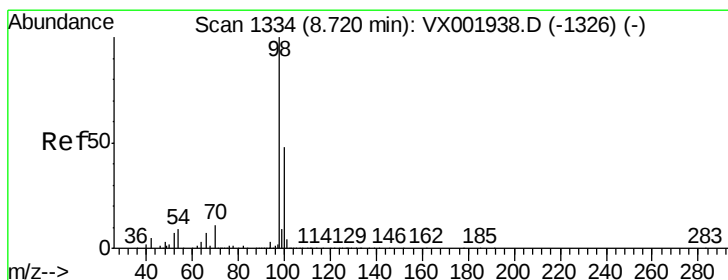
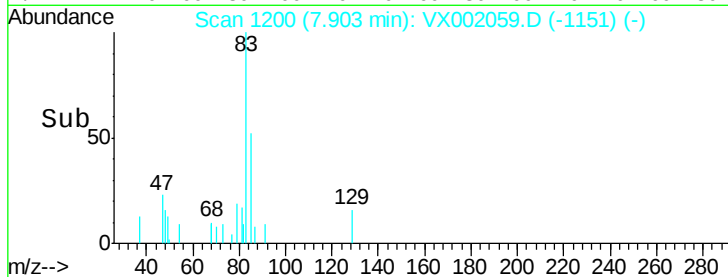
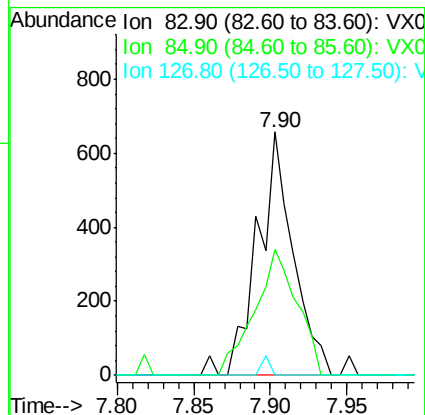
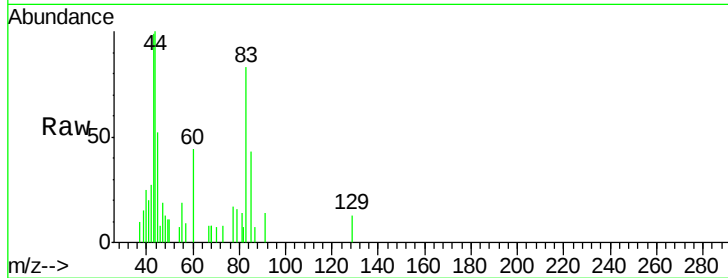
Tot Ion: 83 Resp: 1066

Ion Ratio Lower Upper

83 100

85 51.5 51.4 77.2

127 0.0 7.1 10.7#



#50

Toluene-d8

Concen: 1507.04 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002059.D

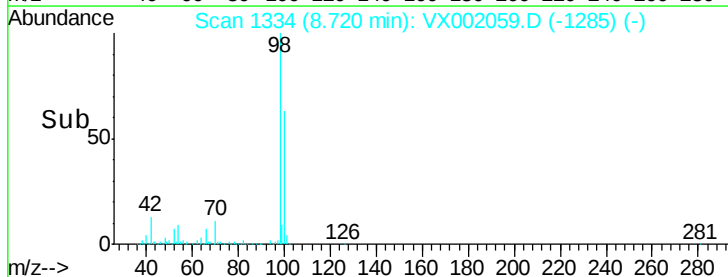
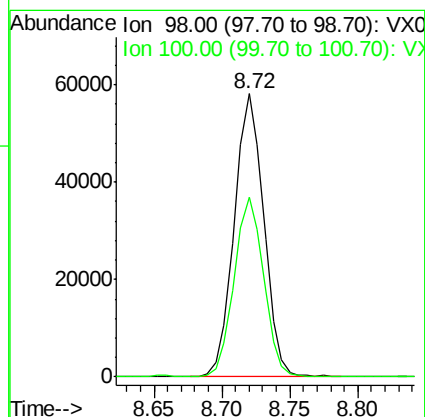
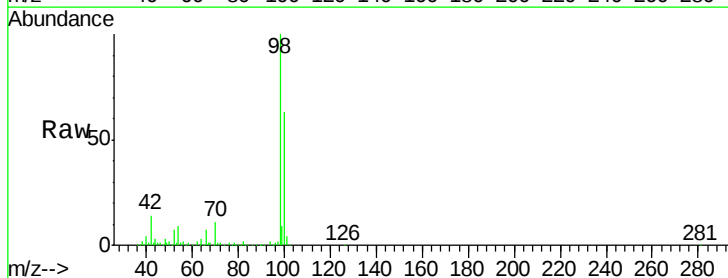
Acq: 27 May 2018 10:02

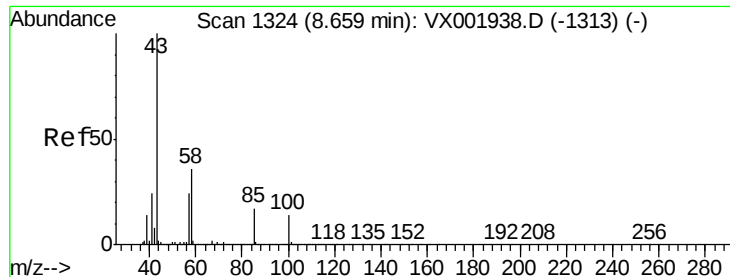
Tgt Ion: 98 Resp: 88060

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3

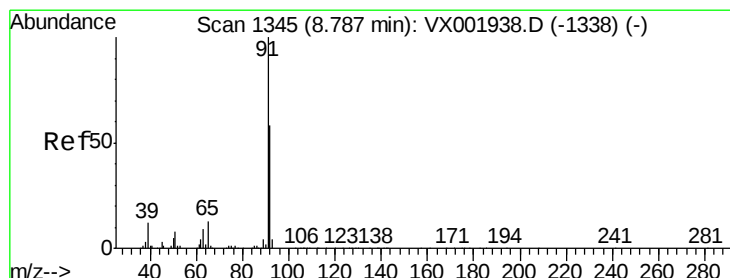
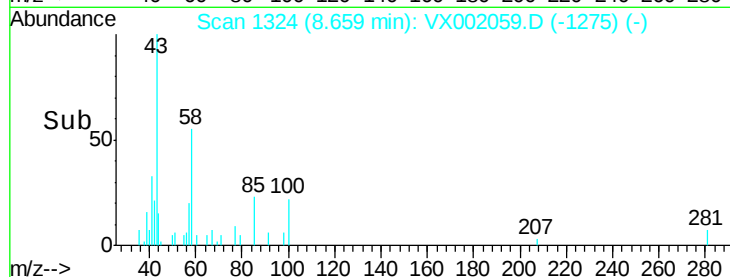
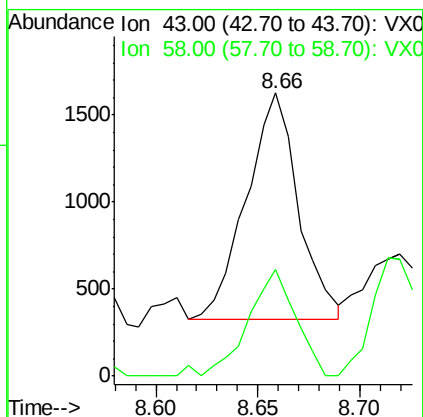
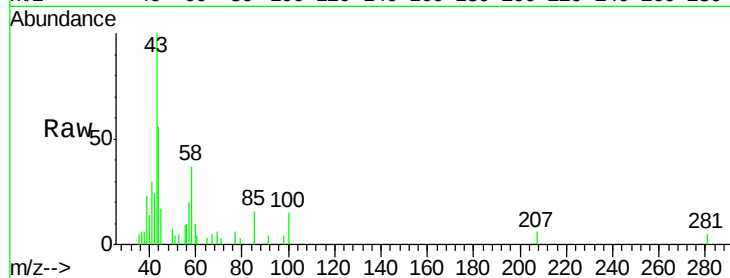




#51
 4-Methyl-2-pentanone
 Concen: 78.71 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX002059.D
 Acq: 27 May 2018 10:02

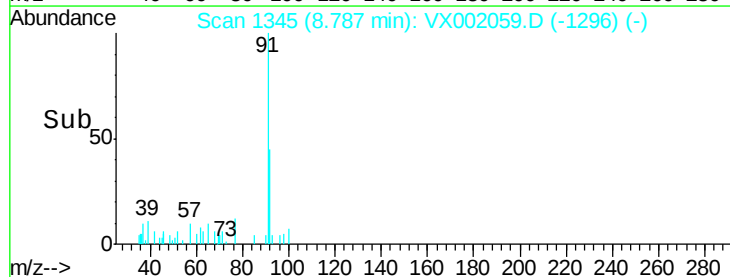
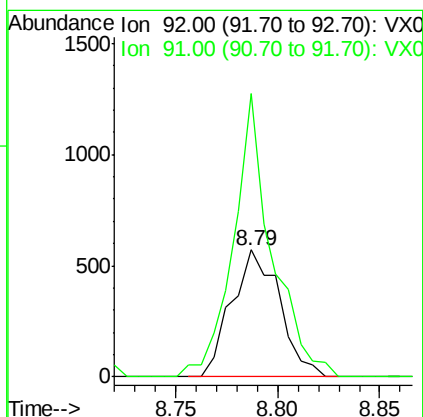
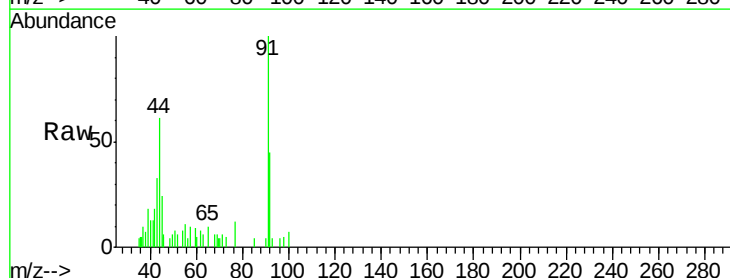
Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-OILY-GRAVEL

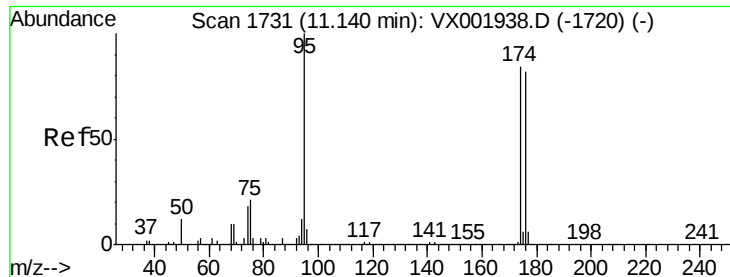
Tot Ion: 43 Resp: 2314
 Ion Ratio Lower Upper
 43 100
 58 43.4 28.5 42.7#



#52
 Toluene
 Concen: 22.39 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX002059.D
 Acq: 27 May 2018 10:02

Tgt Ion: 92 Resp: 937
 Ion Ratio Lower Upper
 92 100
 91 177.2 139.4 209.2

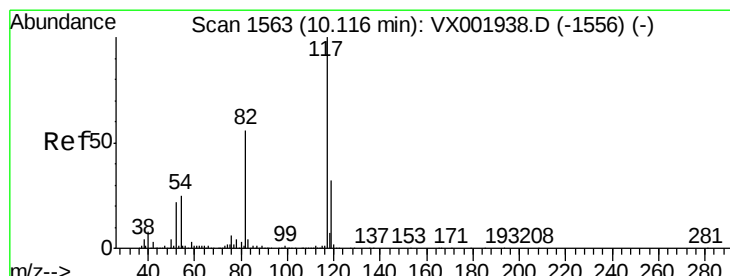
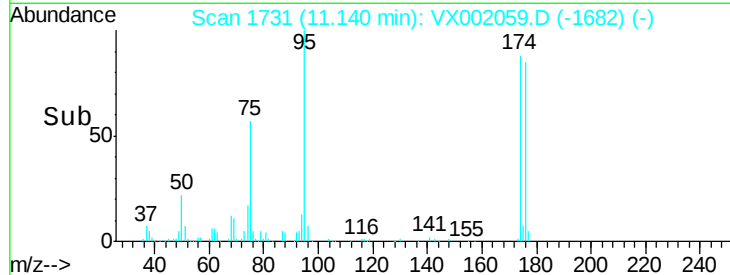
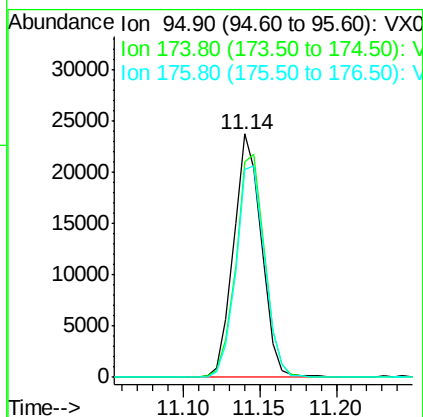
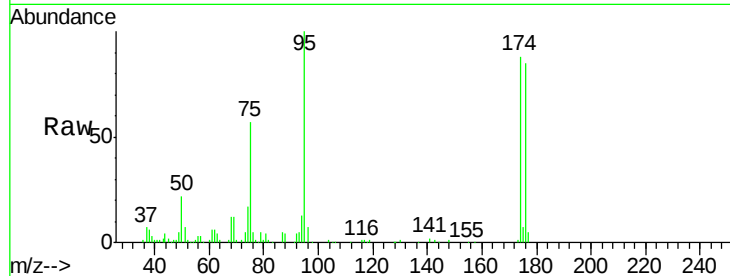




#62
4-Bromofluorobenzene
Concen: 1305.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

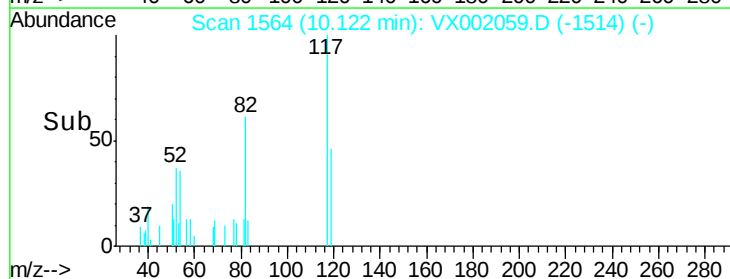
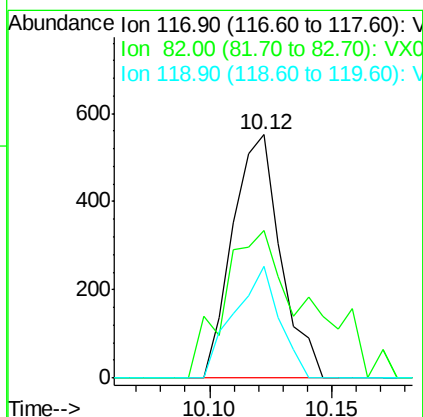
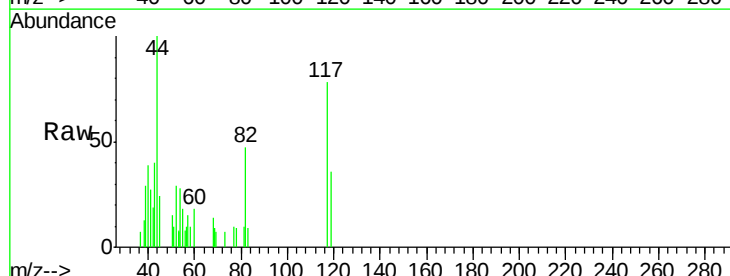
Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

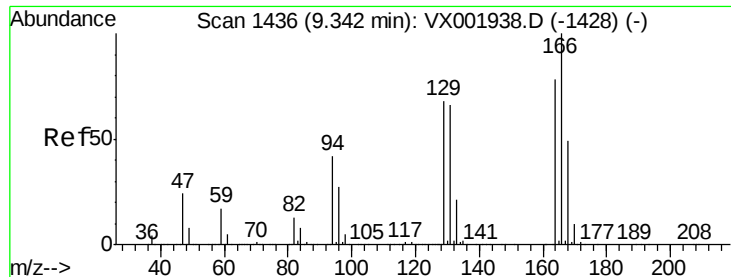
Tot Ion: 95 Resp: 29841
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.8
176 89.7 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

Tgt Ion: 117 Resp: 755
Ion Ratio Lower Upper
117 100
82 60.7 44.8 67.2
119 45.8 25.5 38.3#

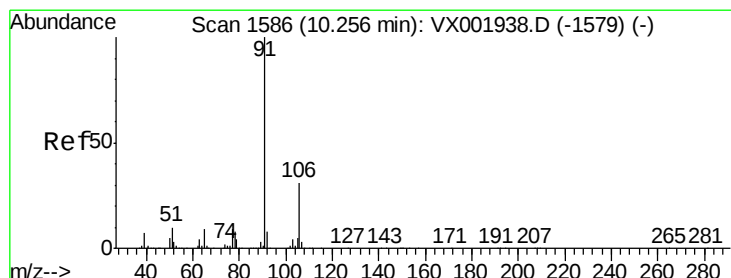
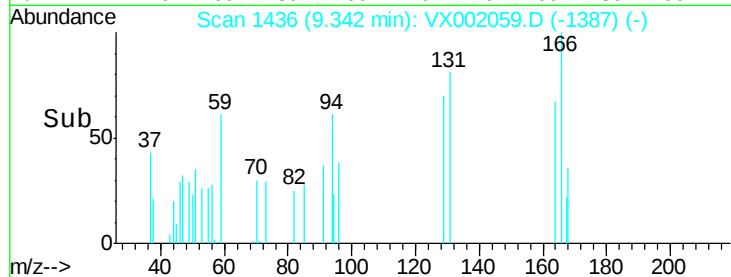
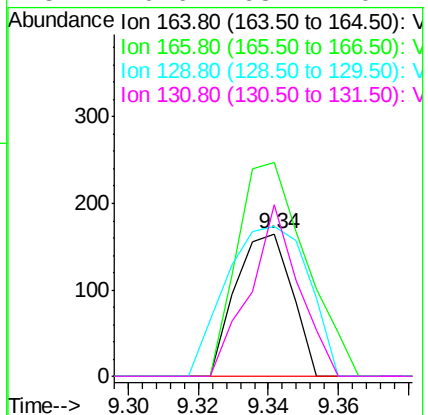
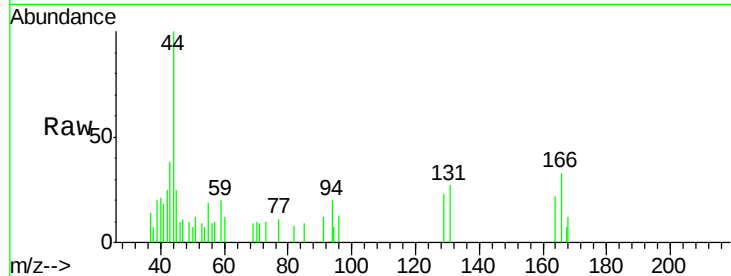




#64
Tetrachloroethene
Concen: 17.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

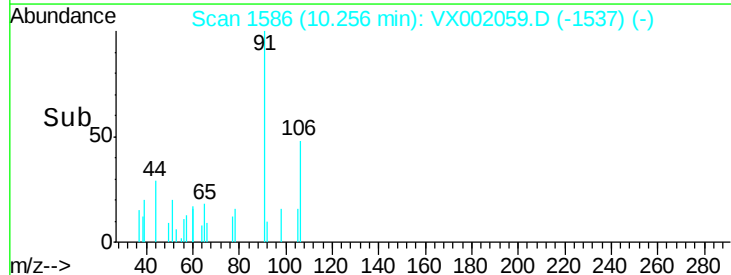
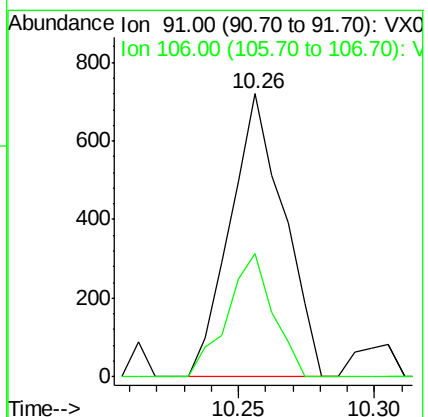
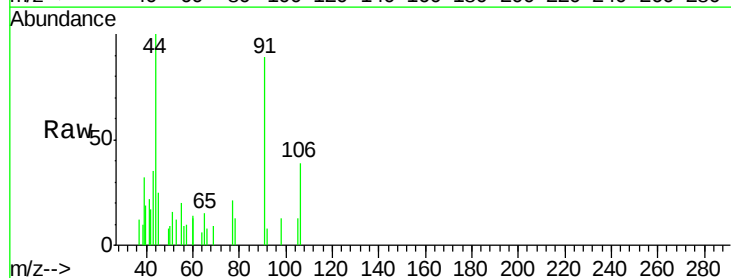
Instrument :
MSVOA_X
ClientSampleId :
TJ-OILY-GRAVEL

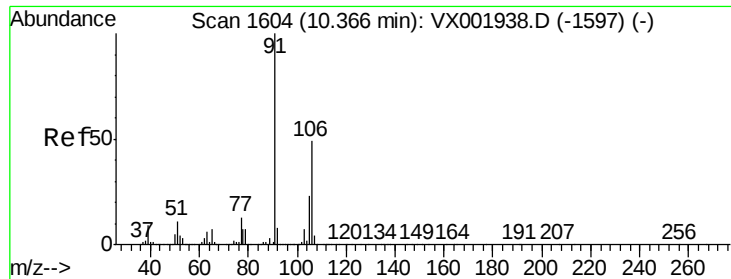
Tot Ion:164 Resp: 184
Ion Ratio Lower Upper
164 100
166 149.7 102.7 154.1
129 104.8 70.3 105.5
131 120.6 68.2 102.4#



#67
Ethyl Benzene
Concen: 23.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002059.D
Acq: 27 May 2018 10:02

Tgt Ion: 91 Resp: 986
Ion Ratio Lower Upper
91 100
106 43.8 25.0 37.6#





#68

m/p-Xylenes

Concen: 71.57 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

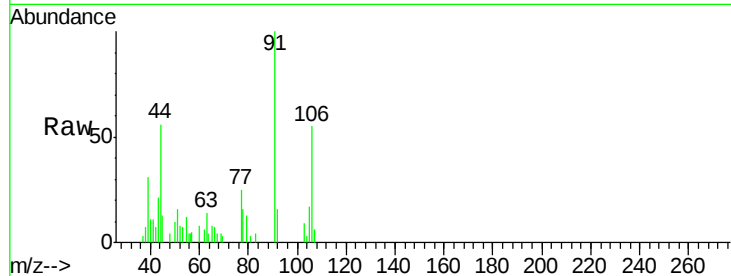
TJ-OILY-GRAVEL

Tot Ion:106 Resp: 1137

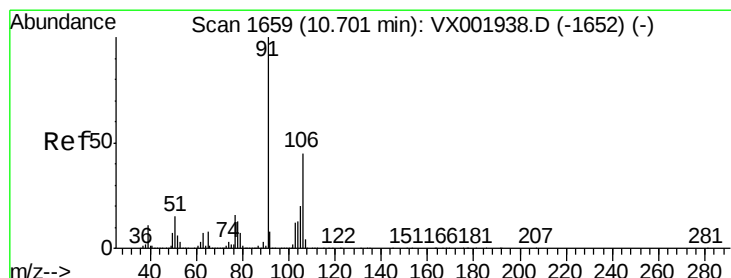
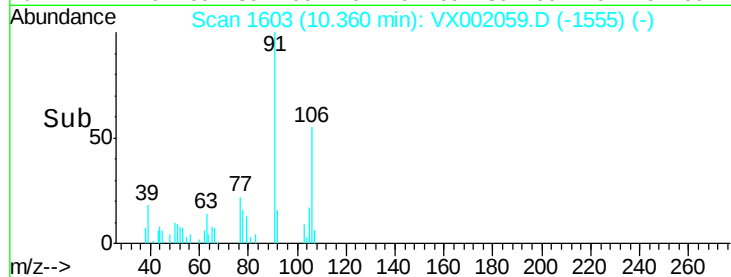
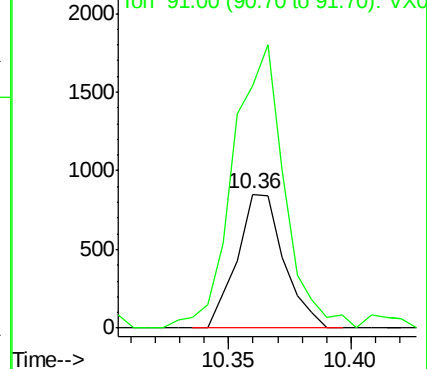
Ion Ratio Lower Upper

106 100

91 231.6 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 37.57 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002059.D

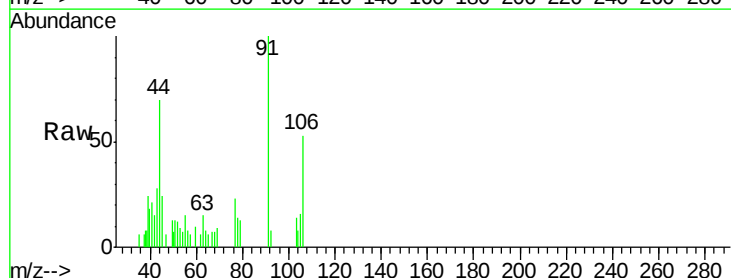
Acq: 27 May 2018 10:02

Tgt Ion:106 Resp: 596

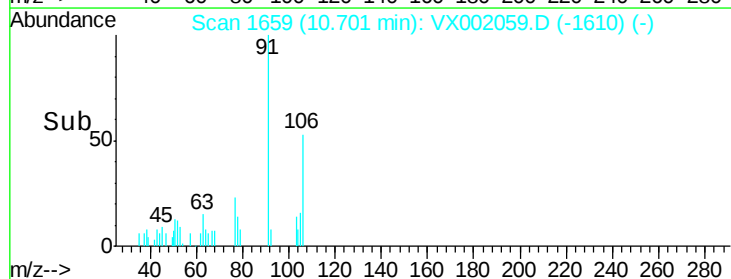
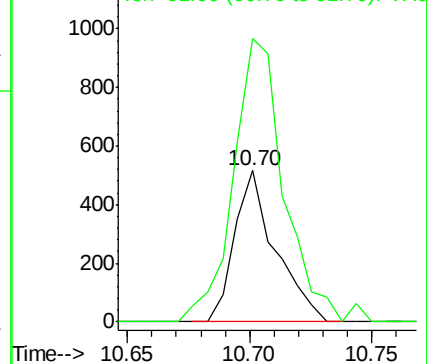
Ion Ratio Lower Upper

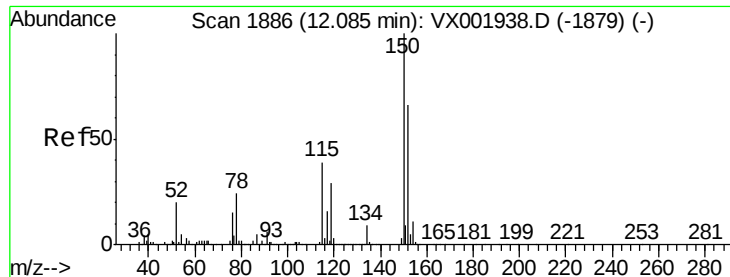
106 100

91 234.9 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

TJ-OILY-GRAVEL

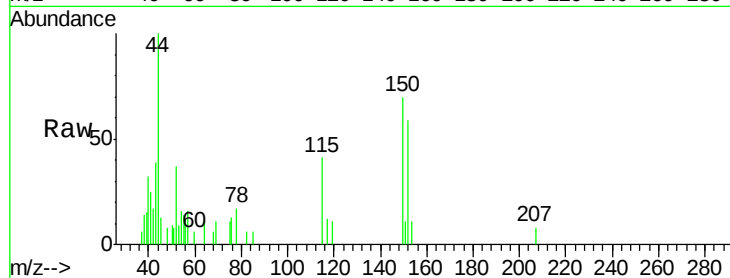
Tot Ion:152 Resp: 612

Ion Ratio Lower Upper

152 100

115 92.0 42.3 126.8

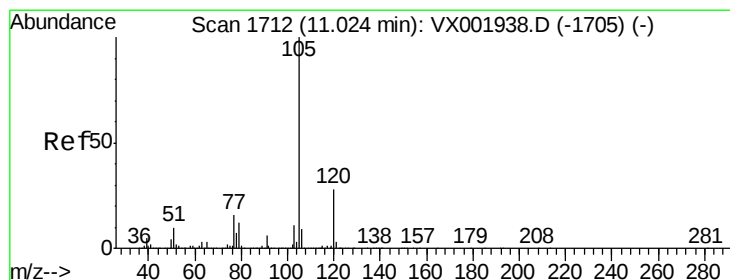
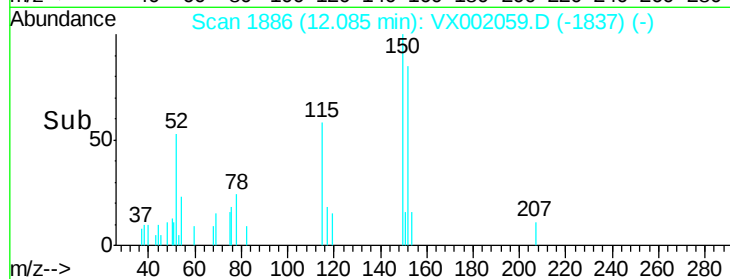
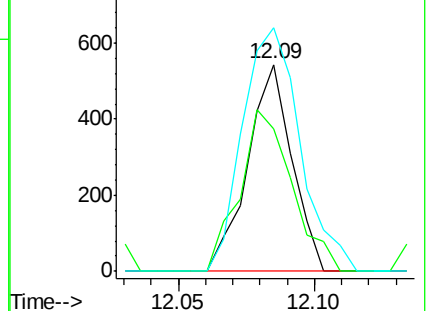
150 153.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 8.41 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002059.D

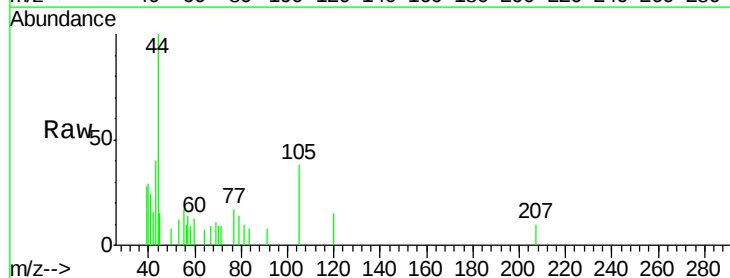
Acq: 27 May 2018 10:02

Tgt Ion:105 Resp: 436

Ion Ratio Lower Upper

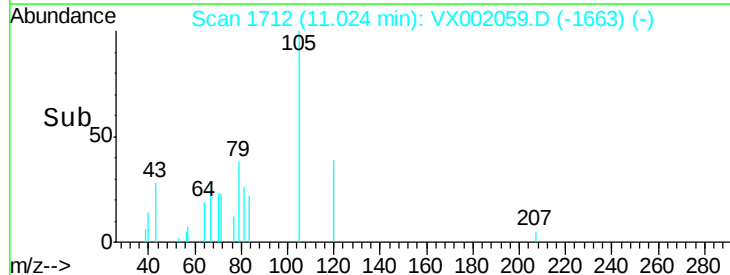
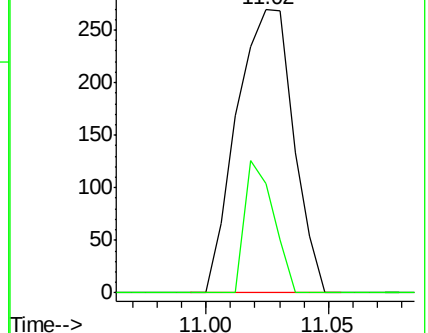
105 100

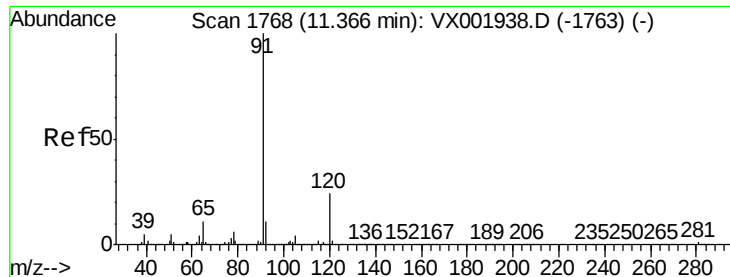
120 23.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.52 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

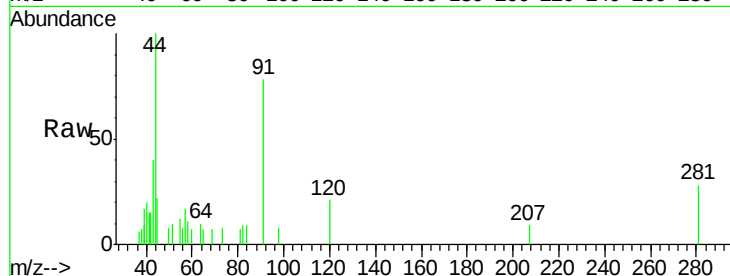
TJ-OILY-GRAVEL

Tot Ion: 91 Resp: 843

Ion Ratio Lower Upper

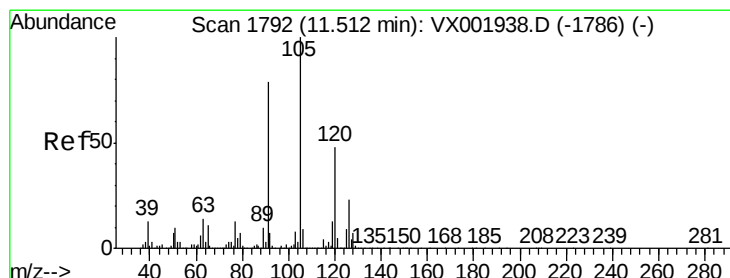
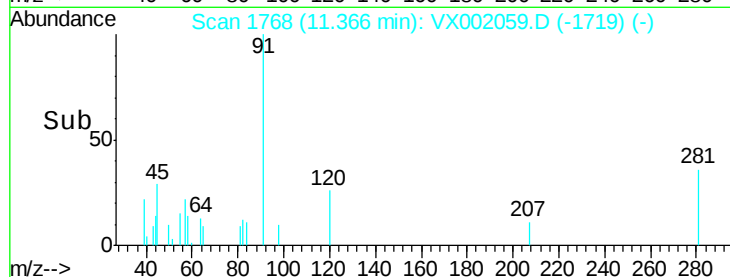
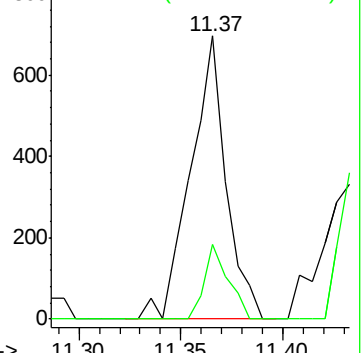
91 100

120 17.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 37.89 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX002059.D

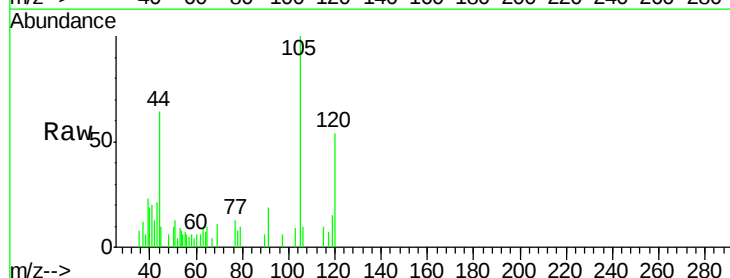
Acq: 27 May 2018 10:02

Tgt Ion: 105 Resp: 1678

Ion Ratio Lower Upper

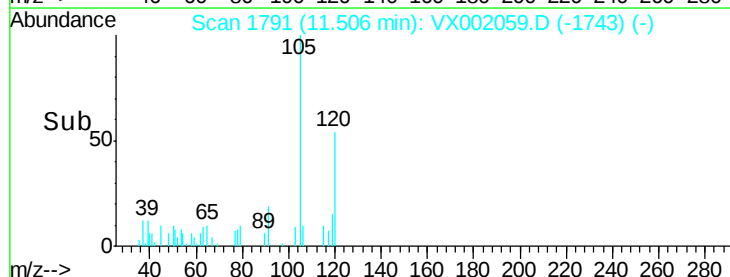
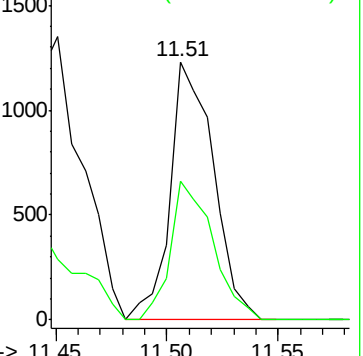
105 100

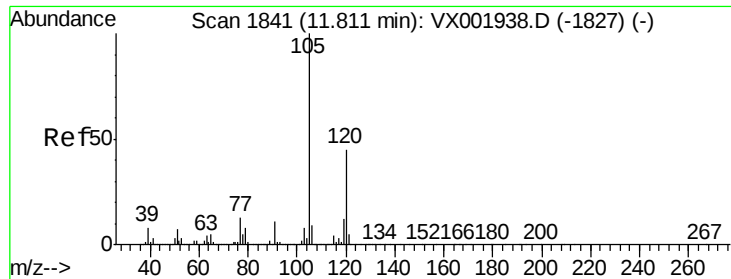
120 52.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 119.10 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

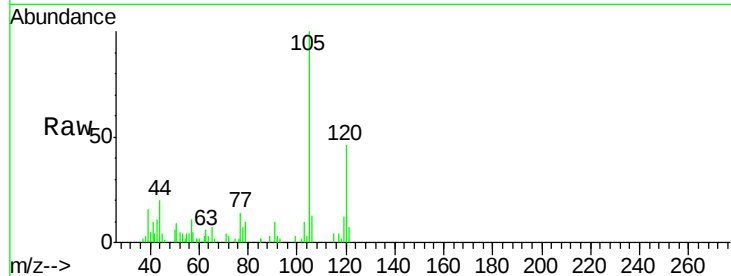
TJ-OILY-GRAVEL

Tot Ion:105 Resp: 5451

Ion Ratio Lower Upper

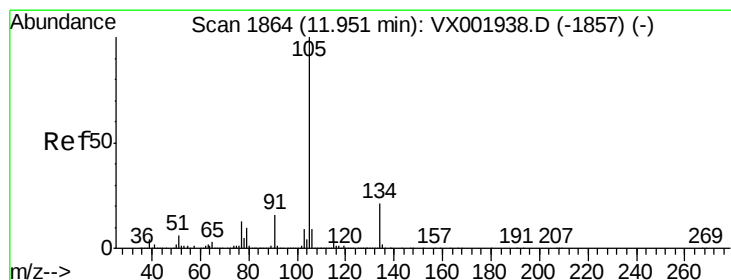
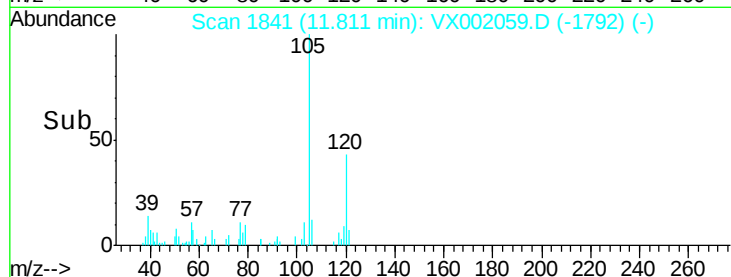
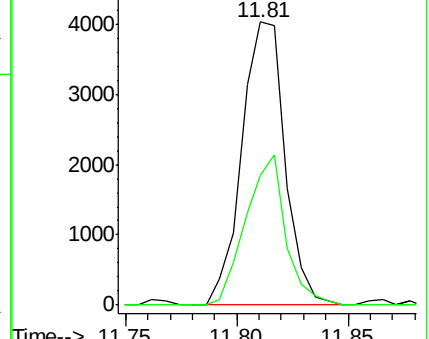
105 100

120 48.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 7.16 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002059.D

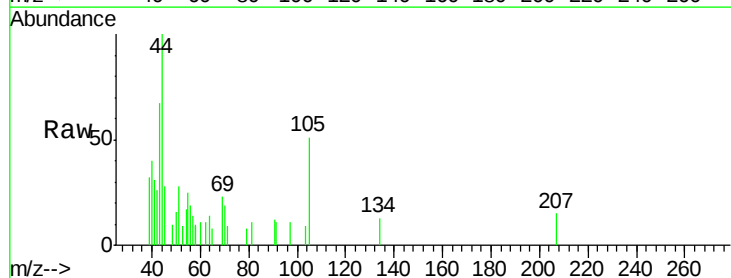
Acq: 27 May 2018 10:02

Tgt Ion:105 Resp: 374

Ion Ratio Lower Upper

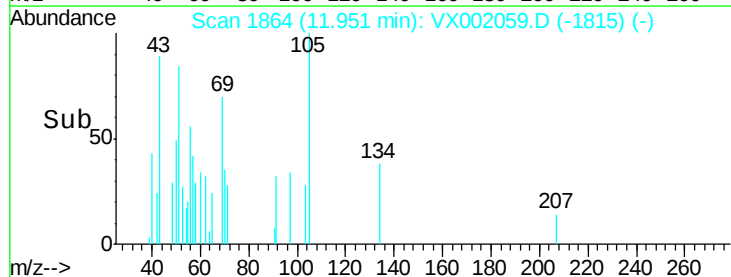
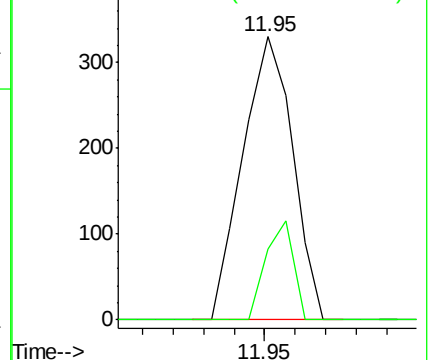
105 100

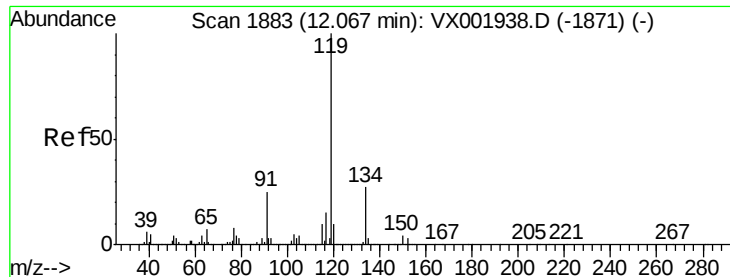
134 19.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 13.13 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

Instrument :

MSVOA_X

ClientSampleId :

TJ-OILY-GRAVEL

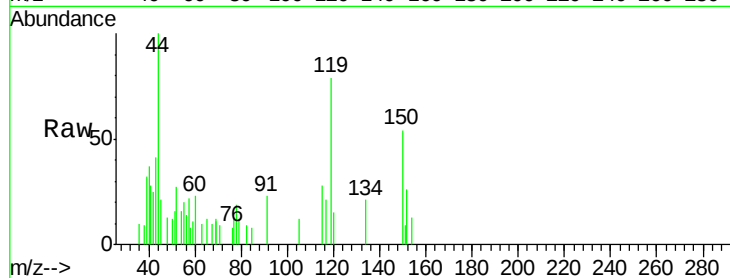
Tot Ion:119 Resp: 614

Ion Ratio Lower Upper

119 100

134 33.7 13.6 40.8

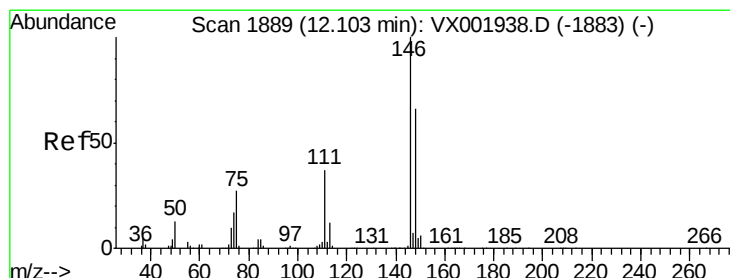
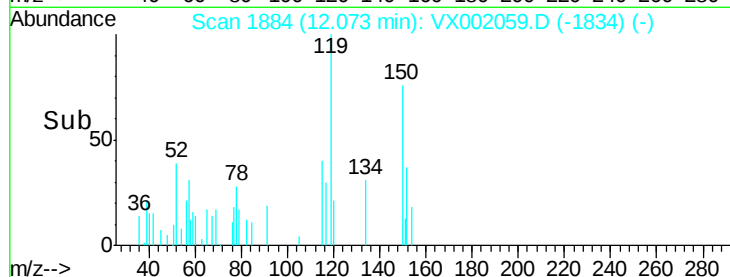
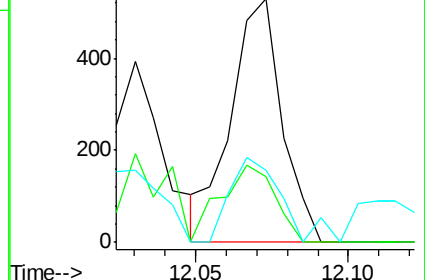
91 35.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#88

1,4-Dichlorobenzene

Concen: 9.46 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX002059.D

Acq: 27 May 2018 10:02

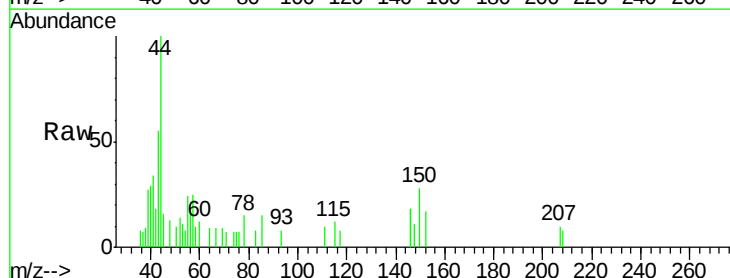
Tgt Ion:146 Resp: 233

Ion Ratio Lower Upper

146 100

111 44.6 18.9 56.5

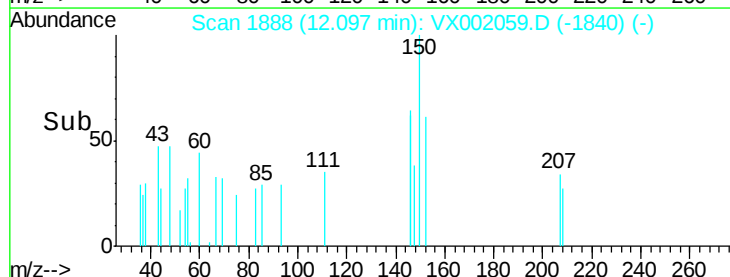
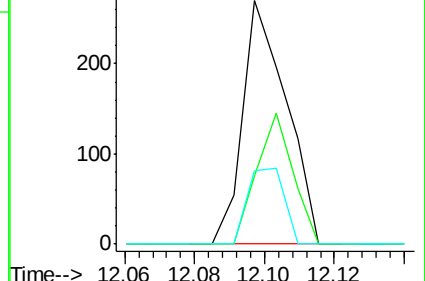
148 26.2 32.3 96.8#

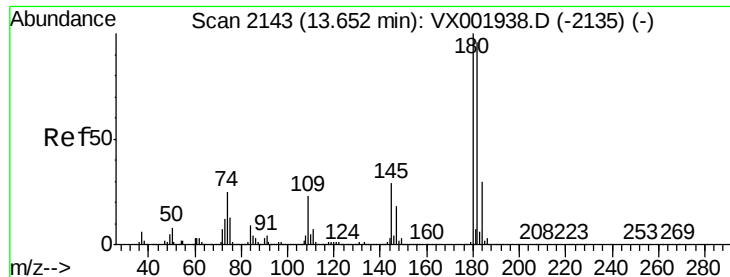


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

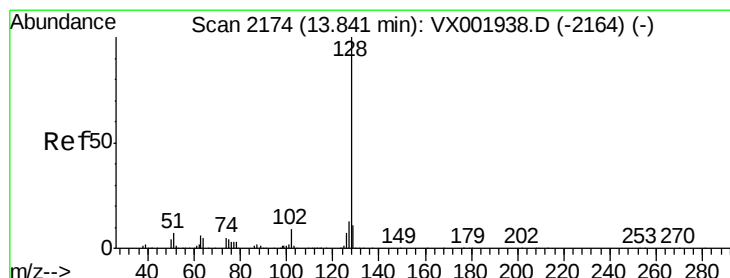
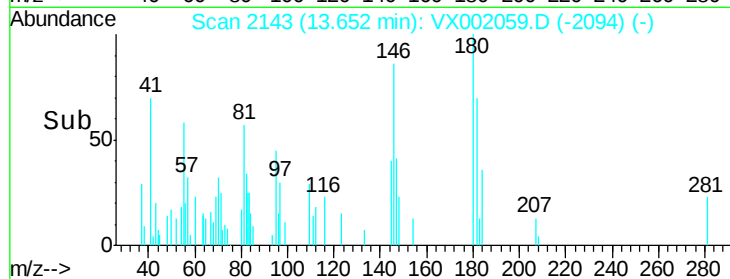
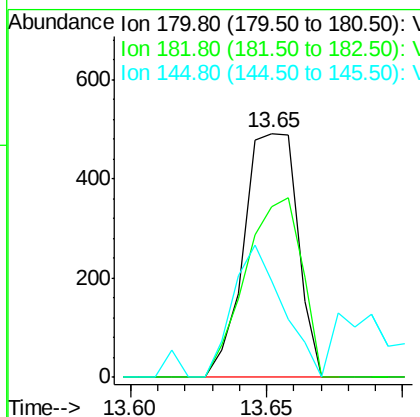
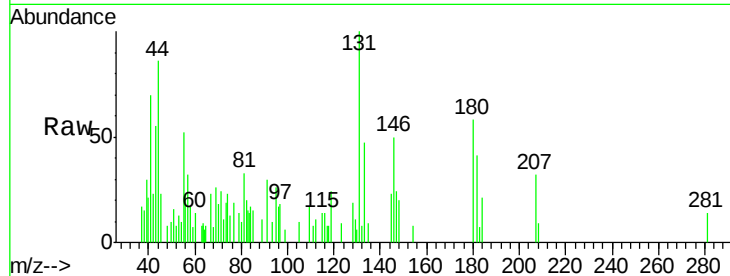




#93
 1,2,4-Trichlorobenzene
 Concen: 37.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002059.D
 Acq: 27 May 2018 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-OILY-GRAVEL

Tot Ion:180 Resp: 670
 Ion Ratio Lower Upper
 180 100
 182 77.5 47.7 143.1
 145 50.4 14.4 43.0#



#95
 Naphthalene
 Concen: 7367.55 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002059.D
 Acq: 27 May 2018 10:02

Tgt Ion:128 Resp: 407231
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 11.0 8.8 13.2

