

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052618\
 Data File : VX002058.D
 Acq On : 27 May 2018 09:36
 Operator : JC/MD
 Sample : J3128-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-SOIL-RO-72-11995

Quant Time: May 28 06:44:20 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

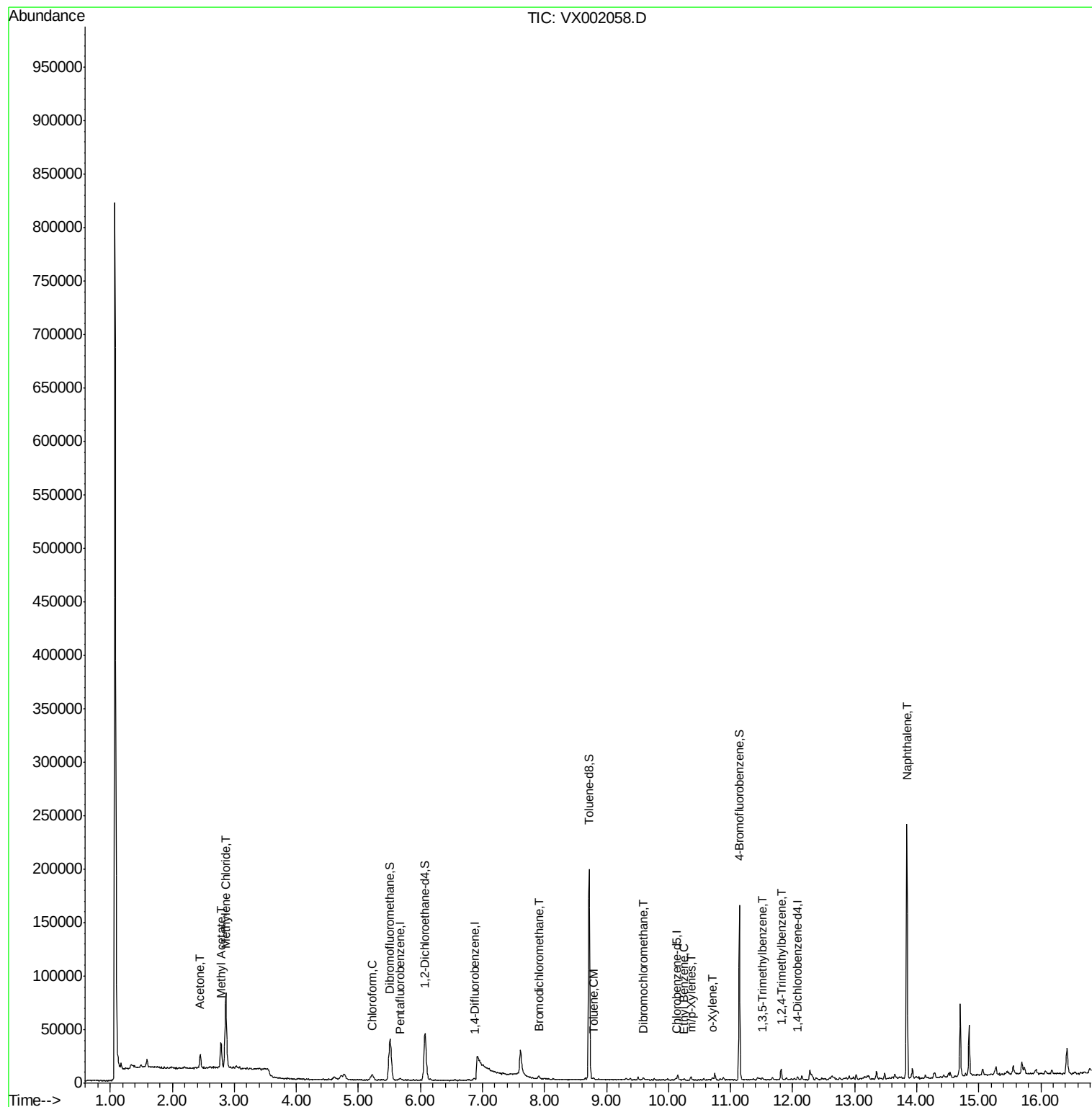
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	1423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	43079	1693.61	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3387.22%		
35) Dibromofluoromethane	5.51	113	31781	1940.23	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3880.46%		
50) Toluene-d8	8.72	98	112704	1900.53	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3801.06%		
62) 4-Bromofluorobenzene	11.14	95	39033	1682.30	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3364.60%		
Target Compounds						
16) Acetone	2.45	43	13635	1388.97	ug/l	95
18) Methyl Acetate	2.78	43	29325	1267.75	ug/l	96
20) Methylene Chloride	2.86	84	31195	1896.92	ug/l	97
28) Bromochloromethane	4.89	49	23	Below Cal	#	14
30) Chloroform	5.22	83	5330	140.63	ug/l	99
47) Bromodichloromethane	7.90	83	1383	54.04	ug/l	88
52) Toluene	8.79	92	461	10.85	ug/l	91
60) Dibromochloromethane	9.59	129	248	11.80	ug/l	99
67) Ethyl Benzene	10.25	91	580	15.54	ug/l #	75
68) m/p-Xylenes	10.36	106	765	53.62	ug/l	99
69) o-Xylene	10.70	106	347	24.36	ug/l	68
80) 1,3,5-Trimethylbenzene	11.51	105	1028	25.87	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	3155	76.84	ug/l	95
95) Naphthalene	13.84	128	145769	2939.86	ug/l	99

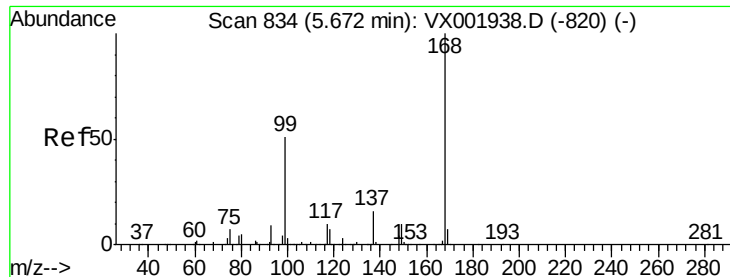
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

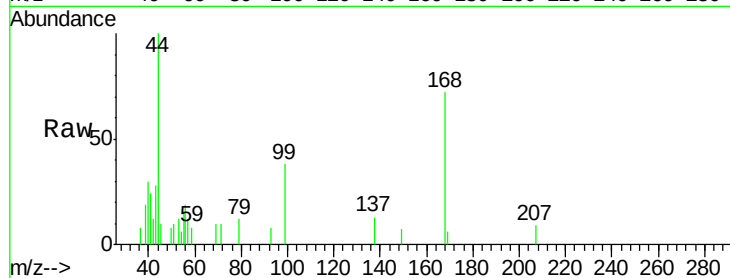
TJ-SOIL-RO-72-11995

Tot Ion:168 Resp: 1423

Ion Ratio Lower Upper

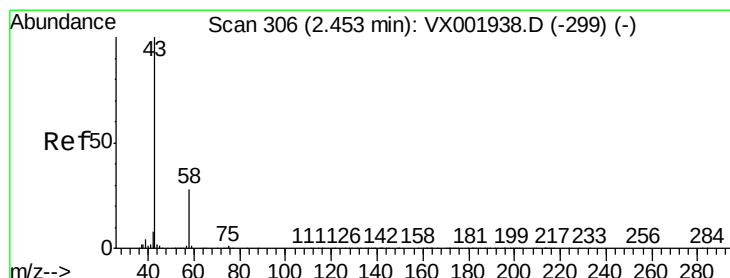
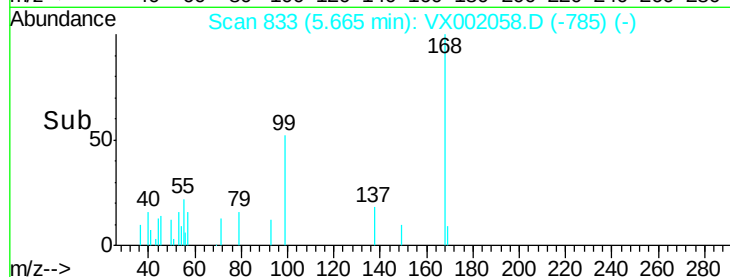
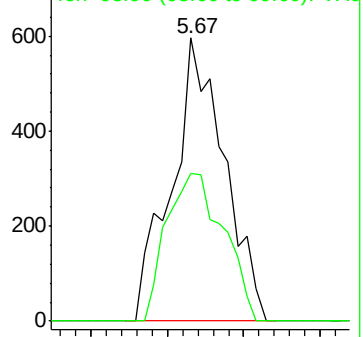
168 100

99 52.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1388.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002058.D

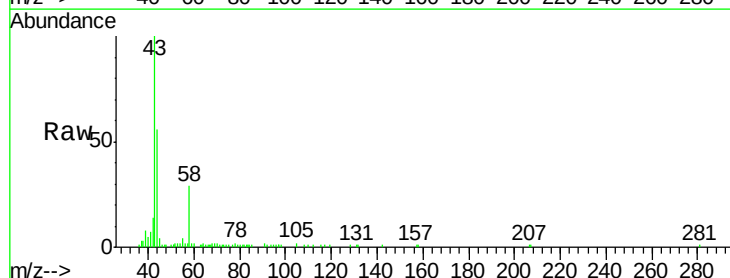
Acq: 27 May 2018 09:36

Tgt Ion: 43 Resp: 13635

Ion Ratio Lower Upper

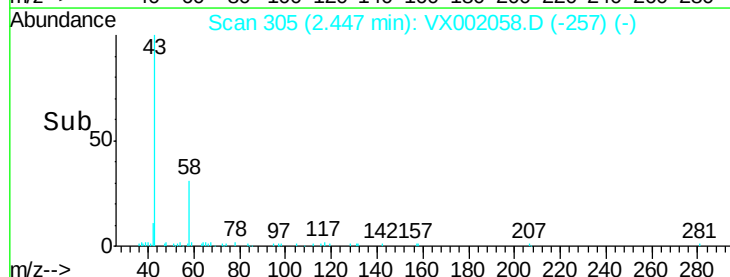
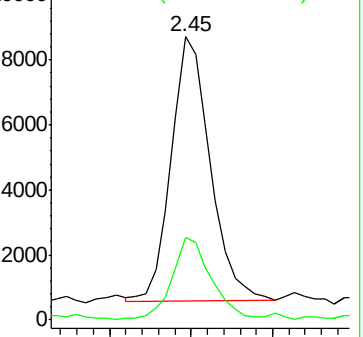
43 100

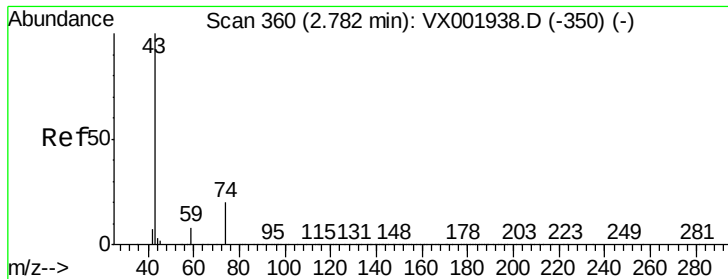
58 30.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 1267.75 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

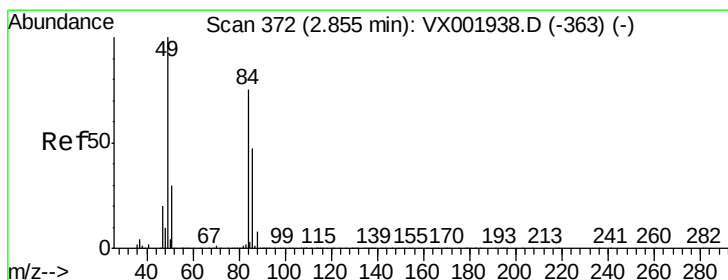
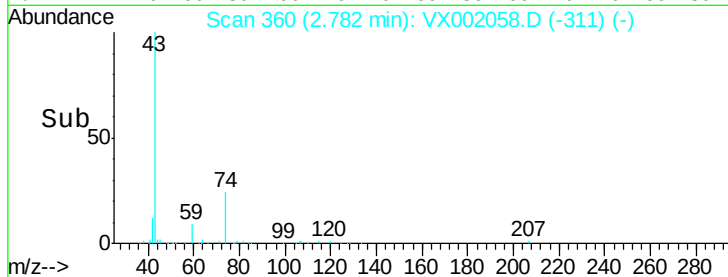
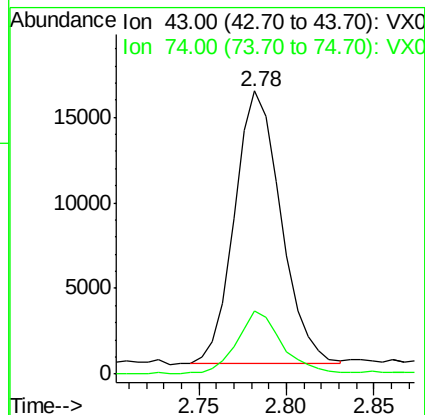
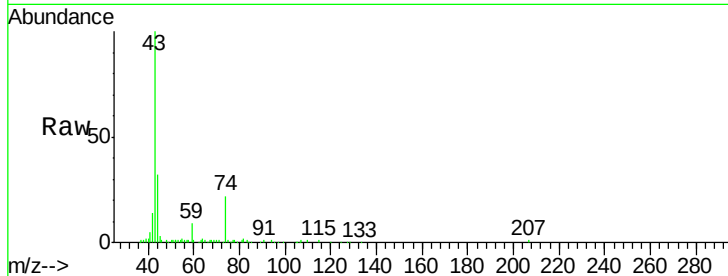
TJ-SOIL-RO-72-11995

Tot Ion: 43 Resp: 29325

Ion Ratio Lower Upper

43 100

74 22.9 16.8 25.2



#20

Methylene Chloride

Concen: 1896.92 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Tgt Ion: 84 Resp: 31195

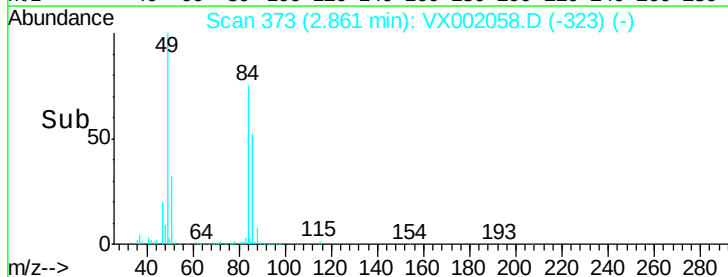
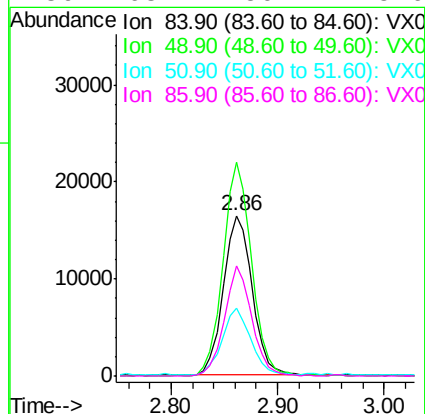
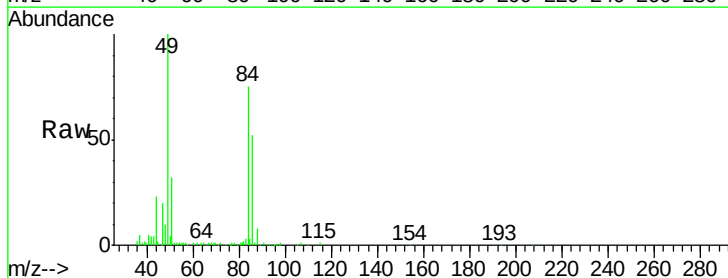
Ion Ratio Lower Upper

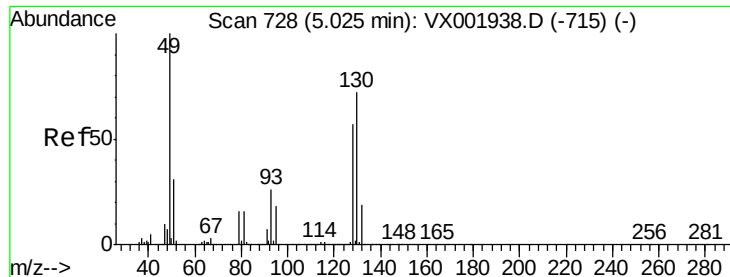
84 100

49 133.2 107.2 160.8

51 41.7 32.4 48.6

86 68.7 50.4 75.6

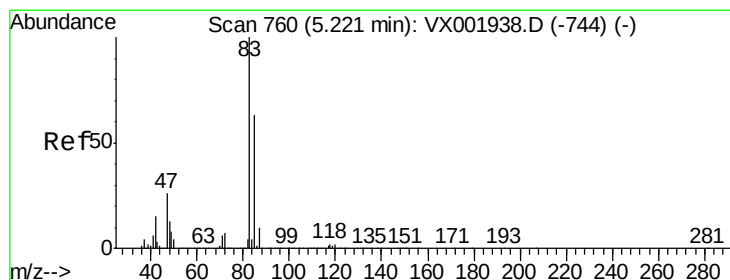
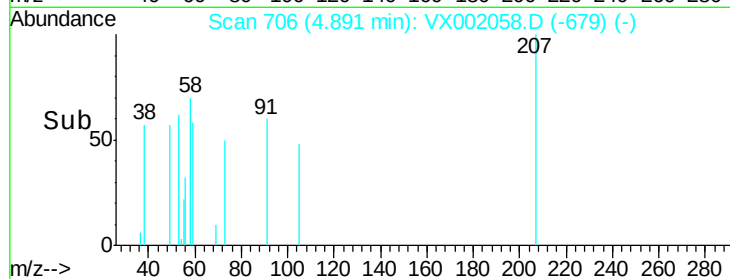
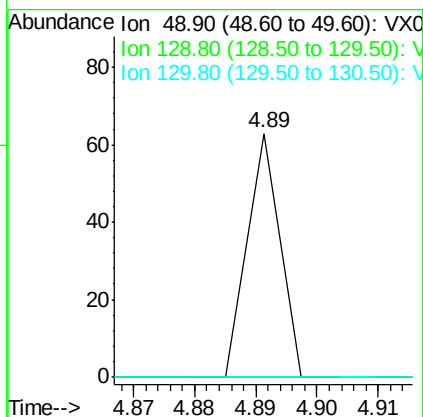
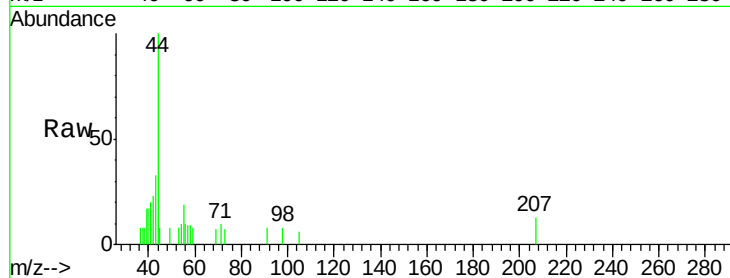




#28
Bromochloromethane
Concen: Below Cal
RT: 4.89 min Scan# 706
Delta R.T. -0.13 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

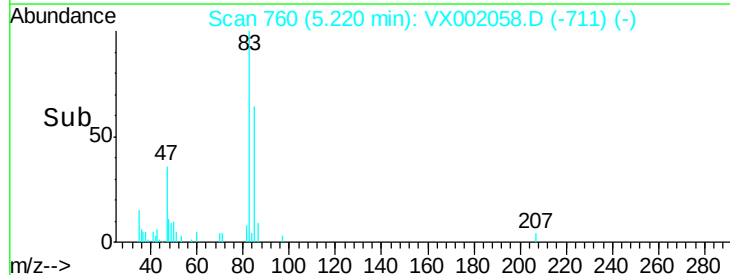
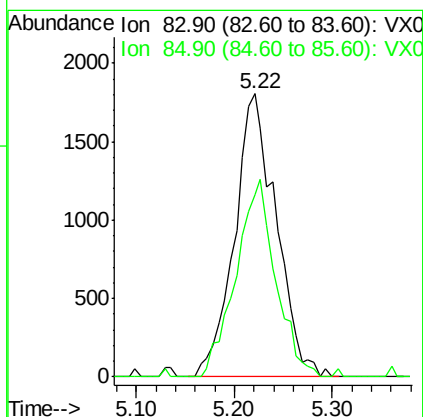
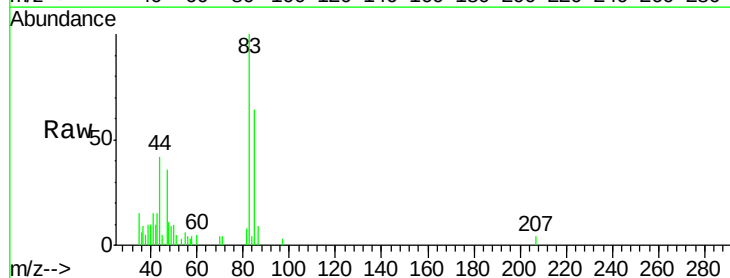
Instrument :
MSVOA_X
ClientSampleId :
TJ-SOIL-RO-72-11995

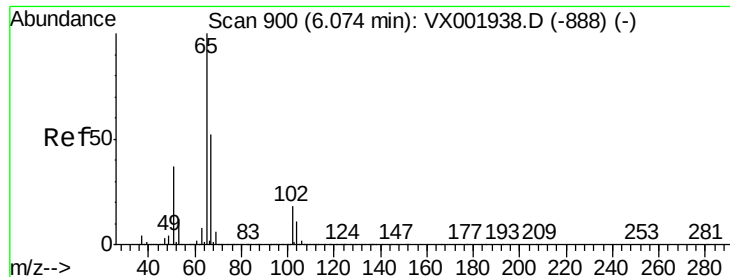
Tot Ion: 49 Resp: 23
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 59.4 89.2#



#30
Chloroform
Concen: 140.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

Tgt Ion: 83 Resp: 5330
Ion Ratio Lower Upper
83 100
85 64.3 50.9 76.3

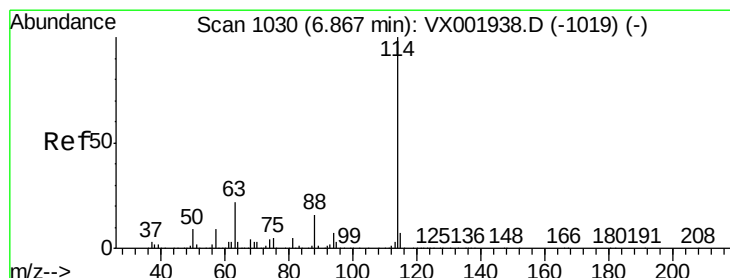
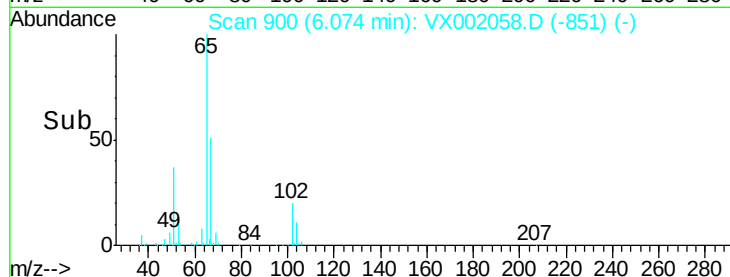
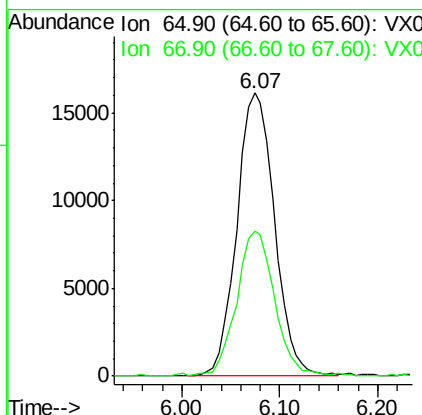
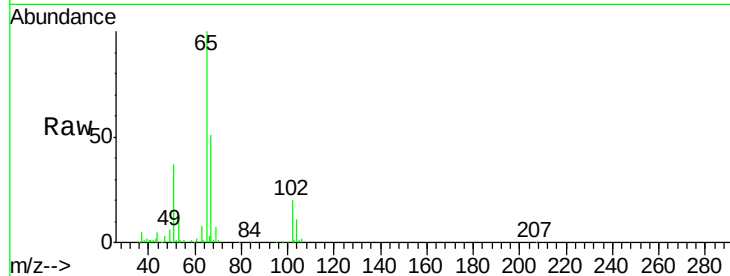




#33
 1,2-Dichloroethane-d4
 Concen: 1693.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

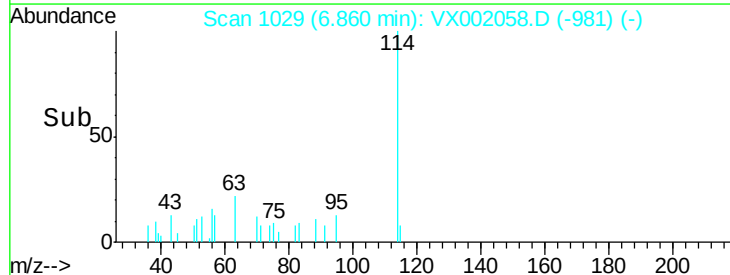
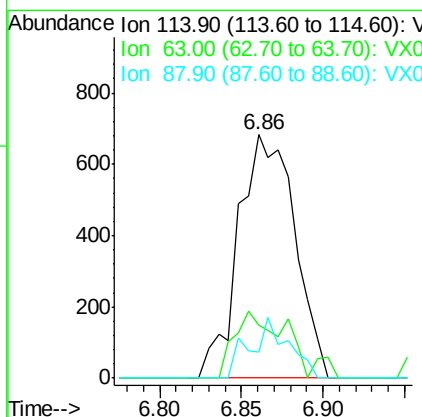
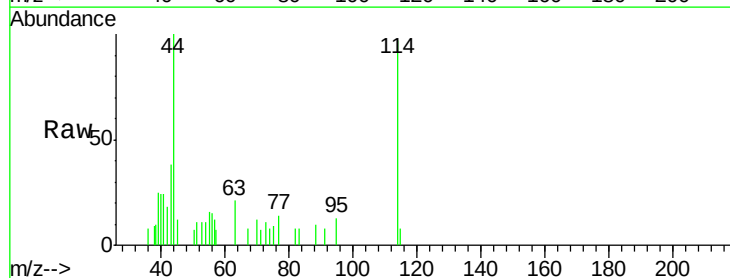
Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-SOIL-RO-72-11995

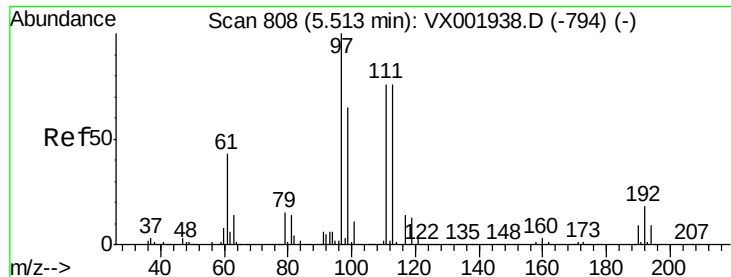
Tot Ion: 65 Resp: 43079
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

Tgt Ion: 114 Resp: 1638
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 10.8 0.0 31.6

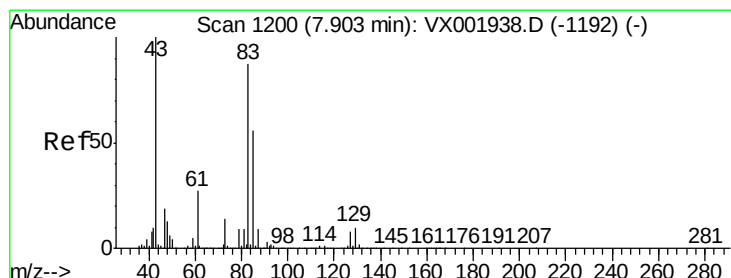
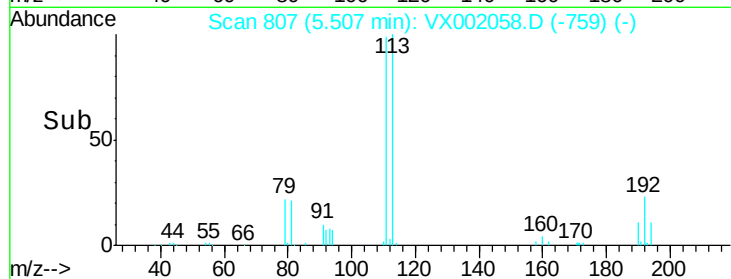
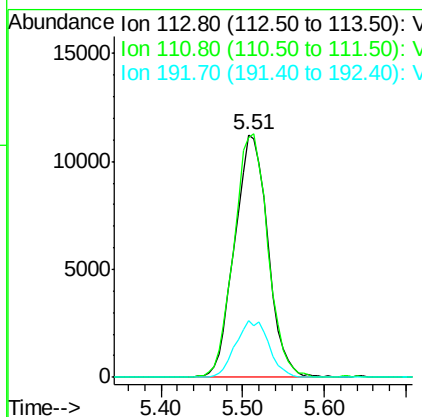
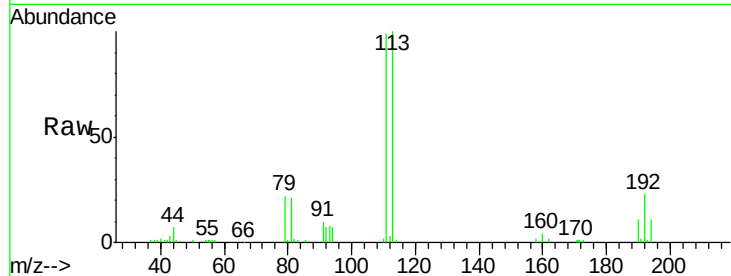




#35
 Dibromofluoromethane
 Concen: 1940.23 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

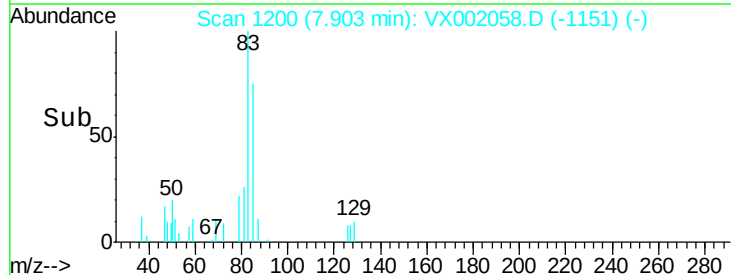
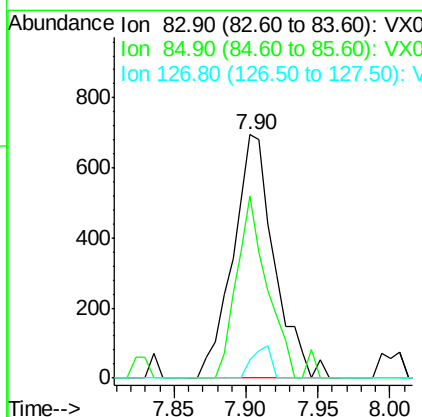
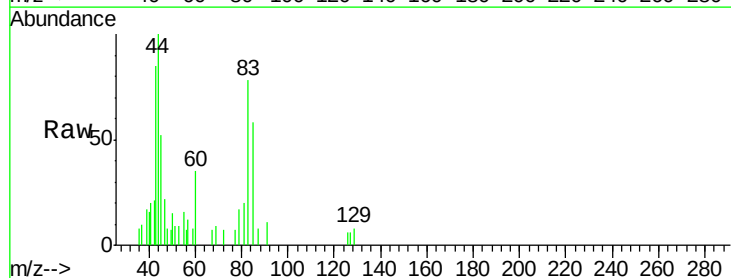
Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-SOIL-RO-72-11995

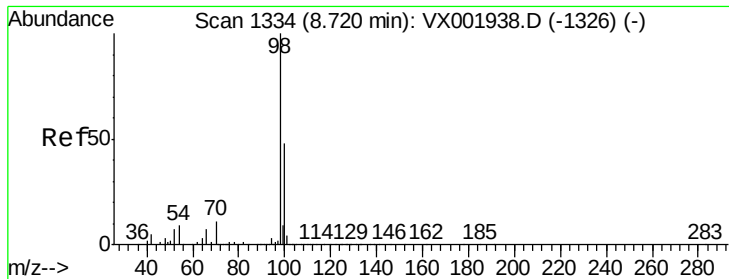
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	23.4	18.9	28.3



#47
 Bromodichloromethane
 Concen: 54.04 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.7	51.4	77.2
127	7.6	7.1	10.7





#50

Toluene-d8

Concen: 1900.53 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

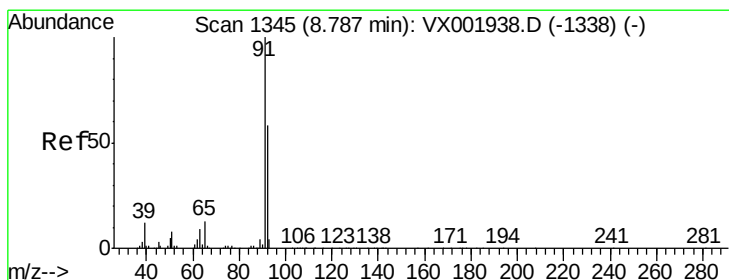
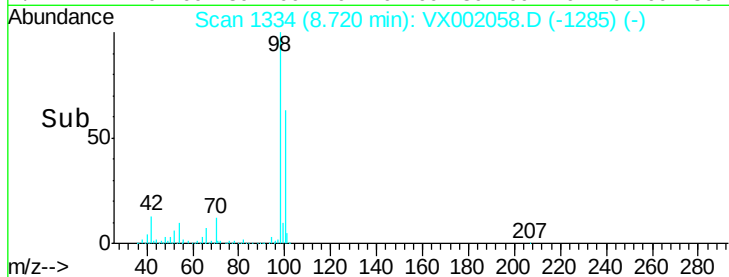
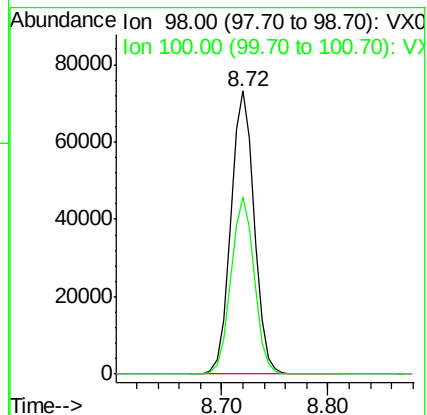
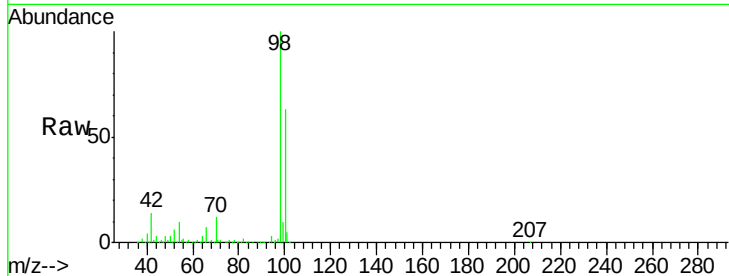
TJ-SOIL-RO-72-11995

Tot Ion: 98 Resp: 112704

Ion Ratio Lower Upper

98 100

100 62.2 51.5 77.3



#52

Toluene

Concen: 10.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002058.D

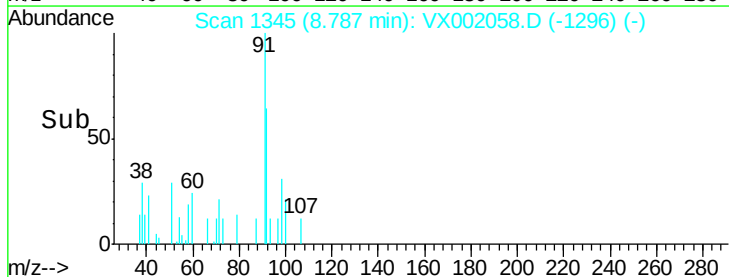
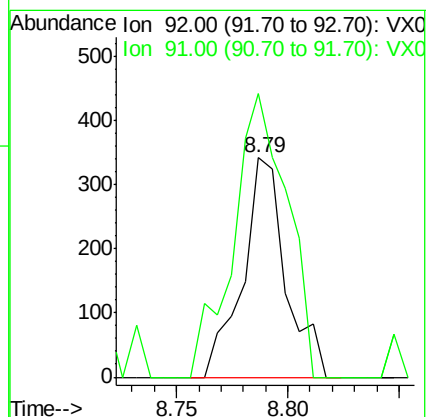
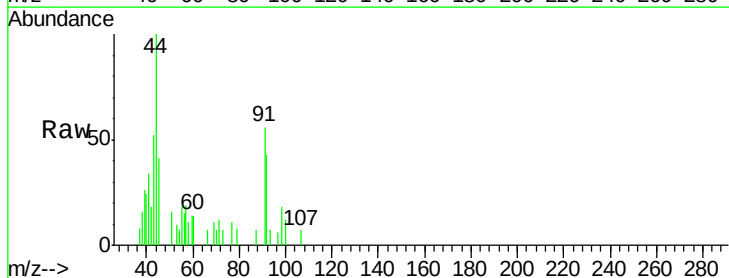
Acq: 27 May 2018 09:36

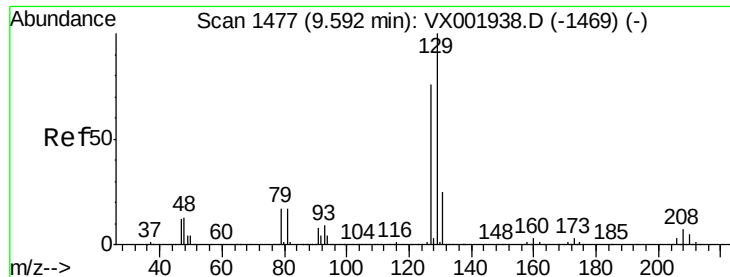
Tgt Ion: 92 Resp: 461

Ion Ratio Lower Upper

92 100

91 161.4 139.4 209.2





#60

Dibromochloromethane

Concen: 11.80 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

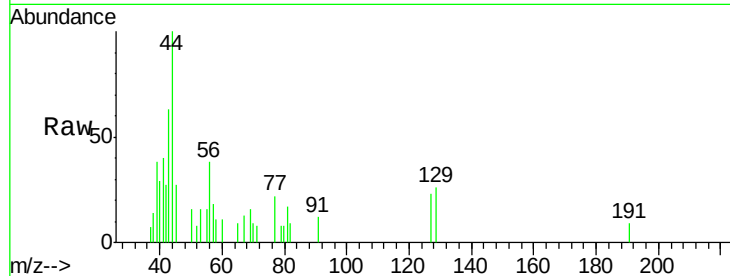
TJ-SOIL-RO-72-11995

Tot Ion:129 Resp: 248

Ion Ratio Lower Upper

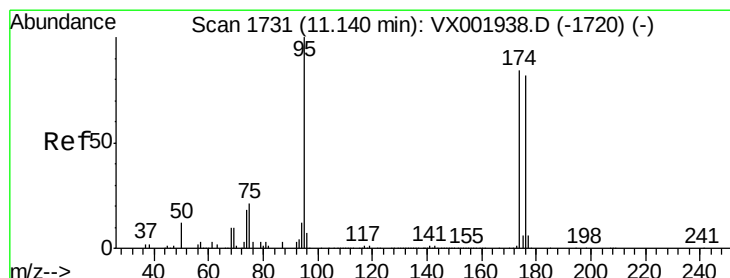
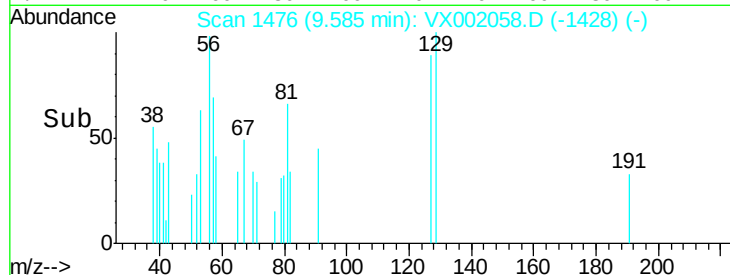
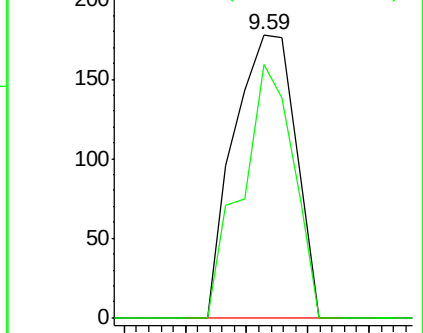
129 100

127 75.8 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 1682.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

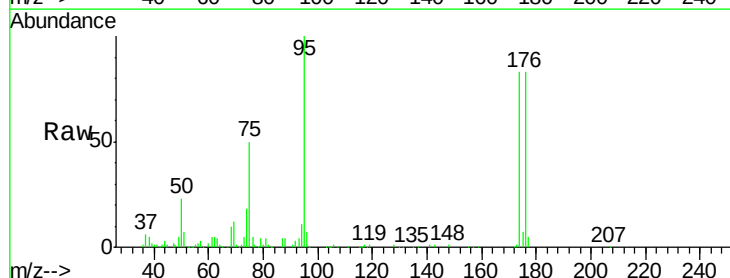
Tgt Ion: 95 Resp: 39033

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

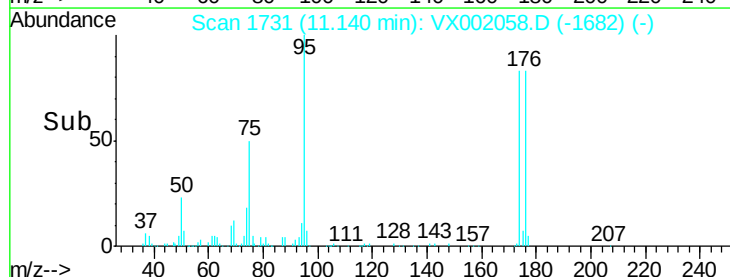
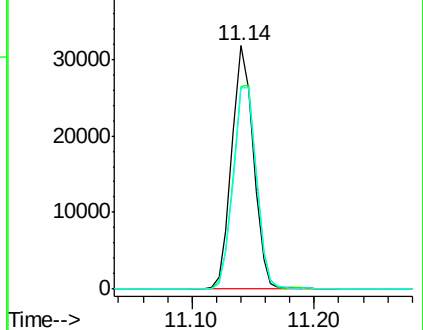
176 87.7 0.0 175.6

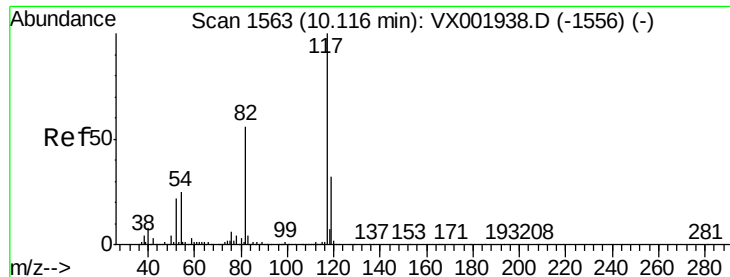


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

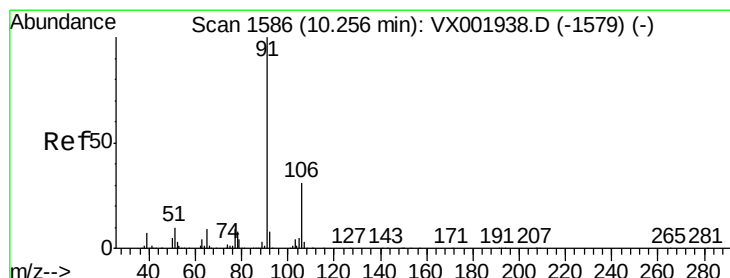
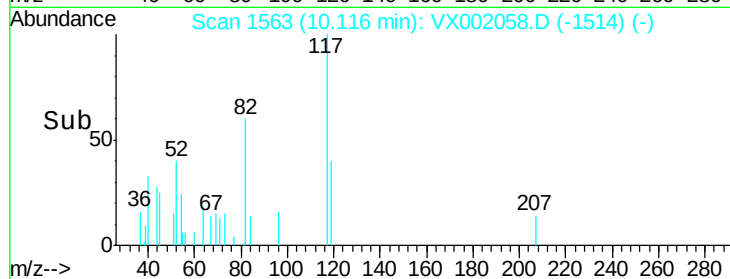
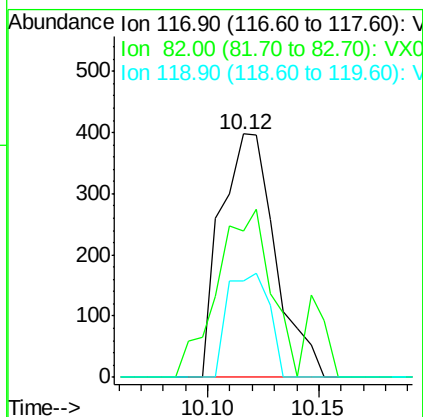
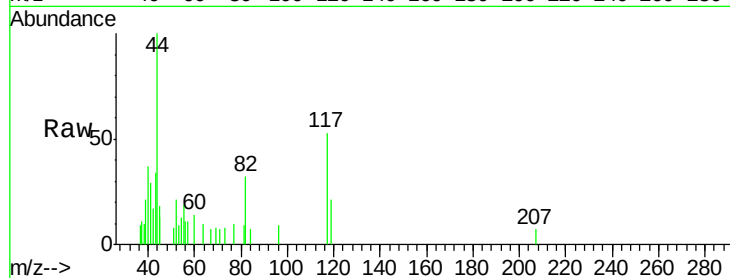




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

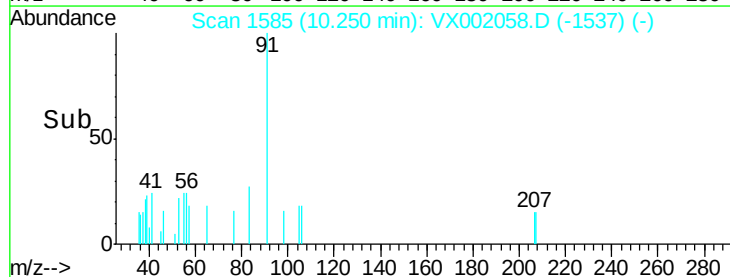
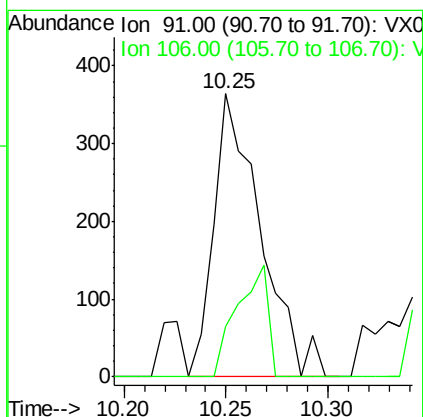
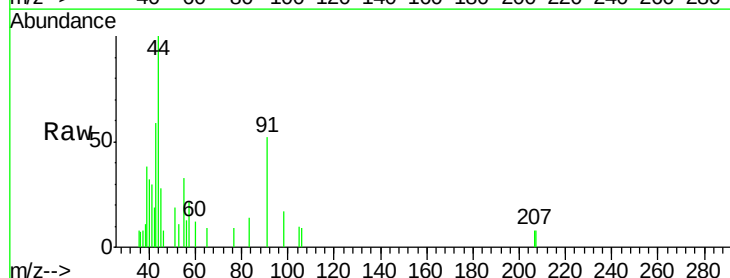
Instrument :
MSVOA_X
ClientSampleId :
TJ-SOIL-RO-72-11995

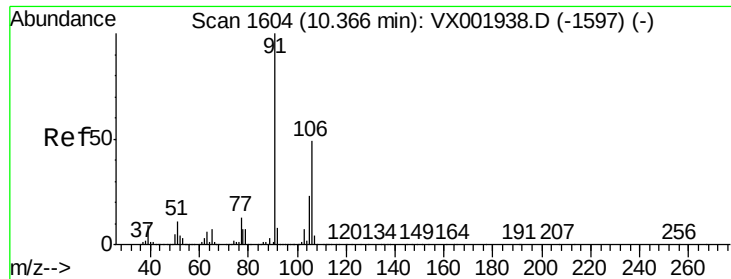
Tot Ion:117 Resp: 678
Ion Ratio Lower Upper
117 100
82 60.3 44.8 67.2
119 39.7 25.5 38.3#



#67
Ethyl Benzene
Concen: 15.54 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

Tgt Ion: 91 Resp: 580
Ion Ratio Lower Upper
91 100
106 17.6 25.0 37.6#

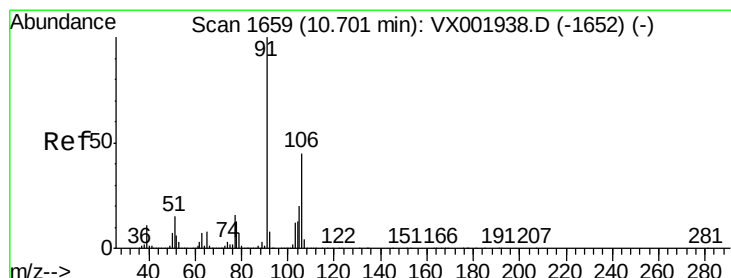
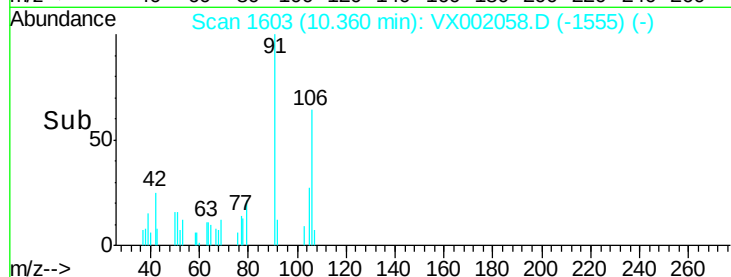
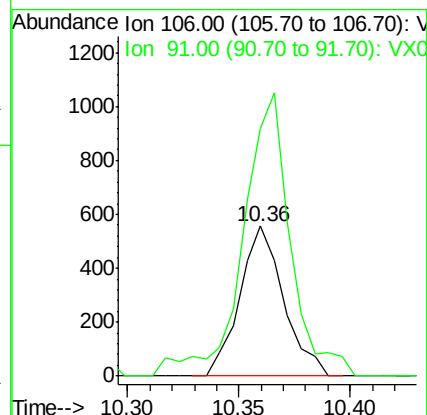
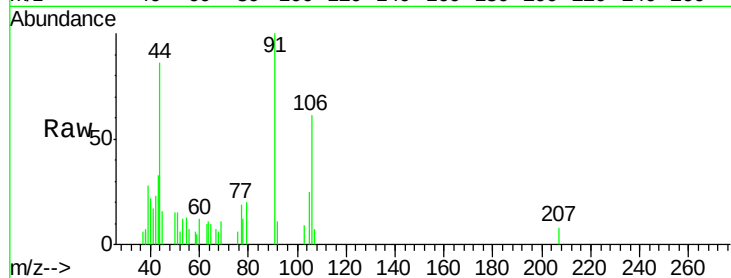




#68
m/p-Xylenes
Concen: 53.62 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

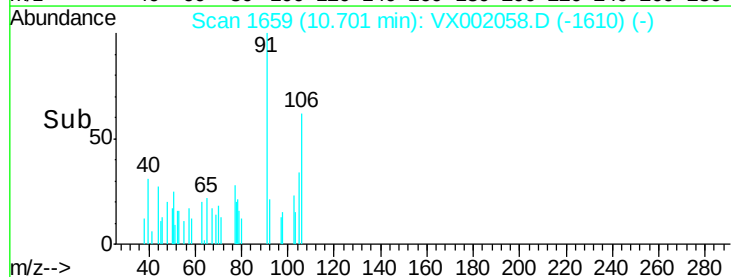
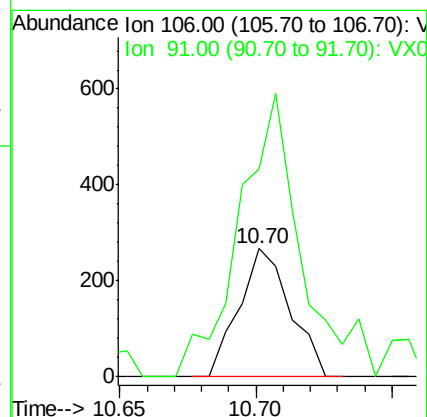
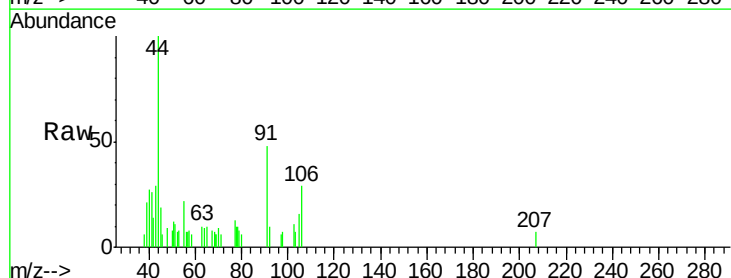
Instrument :
MSVOA_X
ClientSampleId :
TJ-SOIL-RO-72-11995

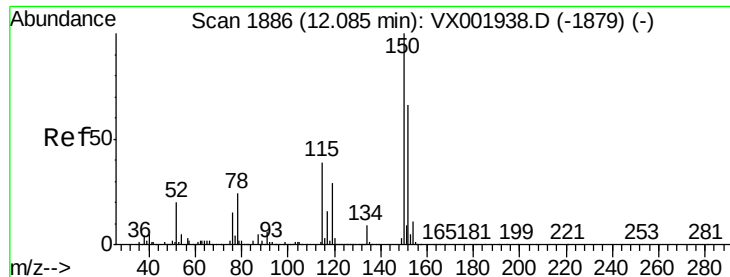
Tot Ion:106 Resp: 765
Ion Ratio Lower Upper
106 100
91 204.4 165.0 247.6



#69
o-Xylene
Concen: 24.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002058.D
Acq: 27 May 2018 09:36

Tgt Ion:106 Resp: 347
Ion Ratio Lower Upper
106 100
91 268.9 108.7 325.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002058.D

Acq: 27 May 2018 09:36

Instrument :

MSVOA_X

ClientSampleId :

TJ-SOIL-RO-72-11995

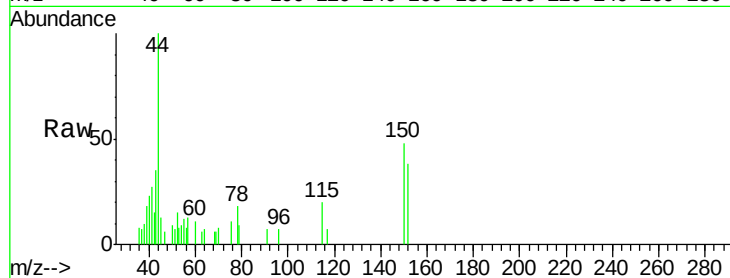
Tot Ion:152 Resp: 549

Ion Ratio Lower Upper

152 100

115 68.5 42.3 126.8

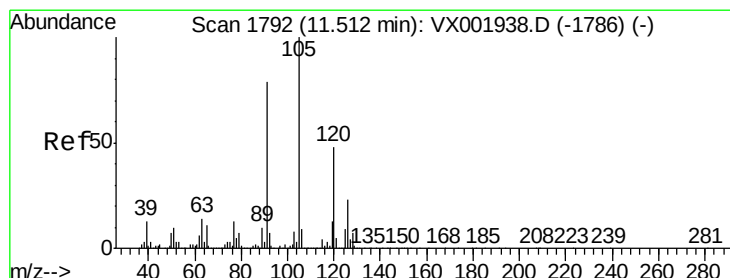
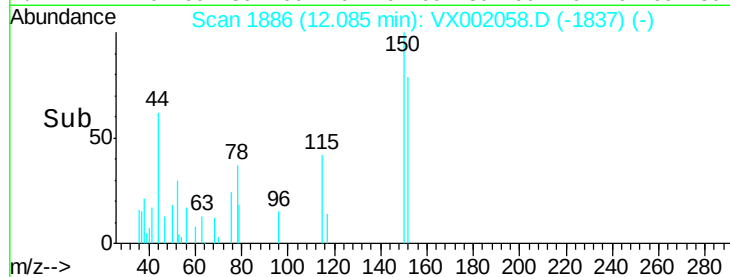
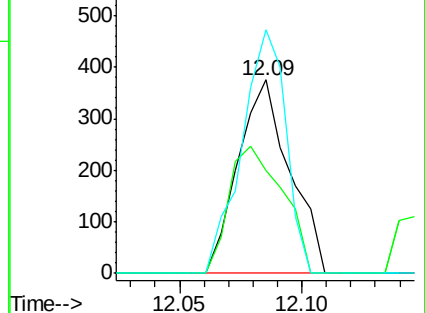
150 107.5 0.0 351.0



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



#80

1,3,5-Trimethylbenzene

Concen: 25.87 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002058.D

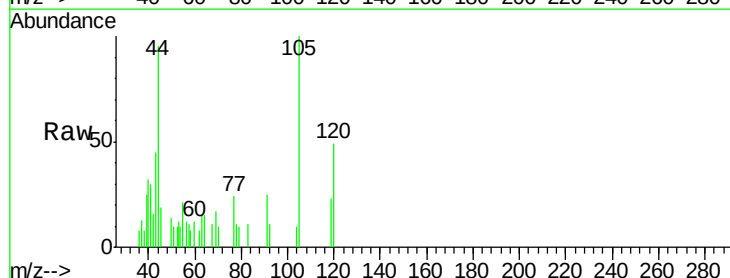
Acq: 27 May 2018 09:36

Tgt Ion:105 Resp: 1028

Ion Ratio Lower Upper

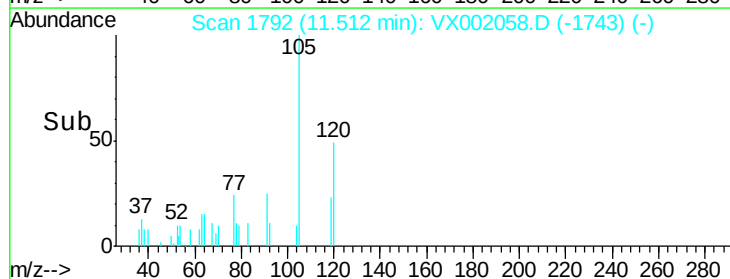
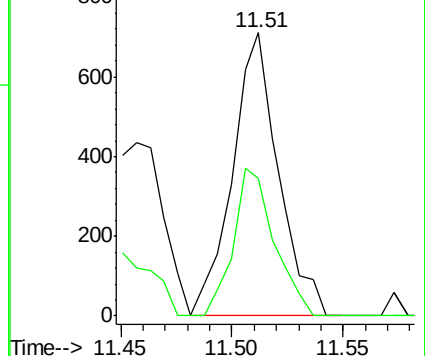
105 100

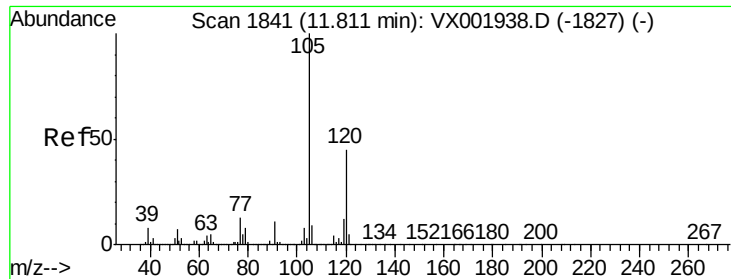
120 46.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

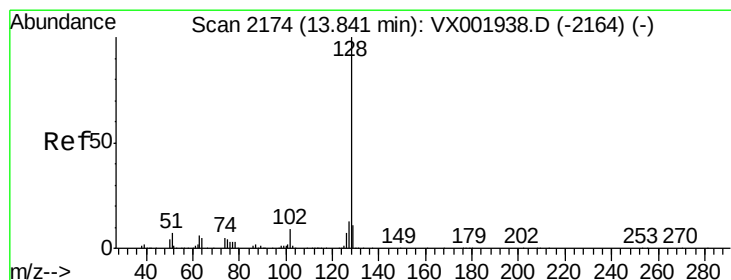
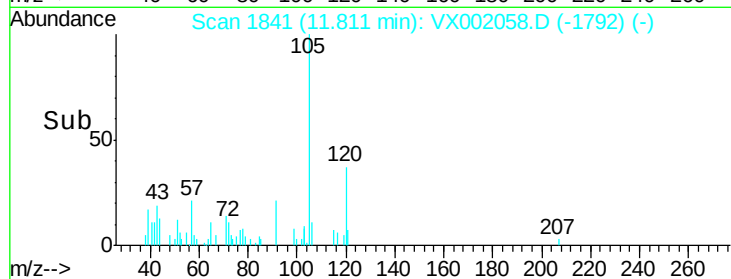
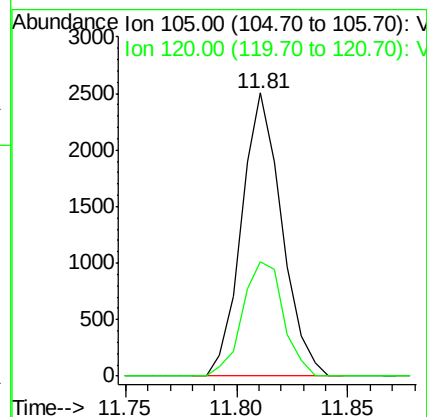
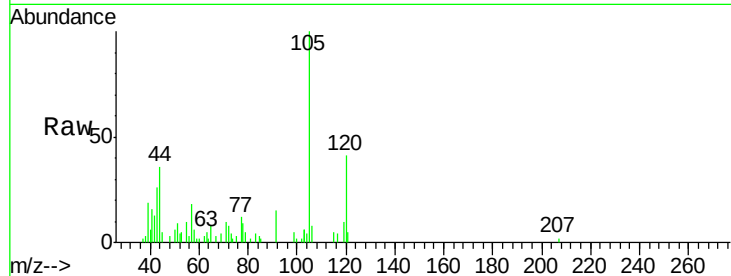




#84
 1,2,4-Trimethylbenzene
 Concen: 76.84 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

Instrument :
 MSVOA_X
 ClientSampleId :
 TJ-SOIL-RO-72-11995

Tot Ion:105 Resp: 3155
 Ion Ratio Lower Upper
 105 100
 120 41.0 22.1 66.5



#95
 Naphthalene
 Concen: 2939.86 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002058.D
 Acq: 27 May 2018 09:36

Tgt Ion:128 Resp: 145769
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 11.0 8.8 13.2

