

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
 Data File : VX010789.D
 Acq On : 10 Jul 2019 19:53
 Operator : JC/SP
 Sample : K3695-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-3

Quant Time: Jul 11 03:37:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159972	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109494	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
35) Dibromofluoromethane	5.50	113	103675	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.71	98	420215	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.13	95	147979	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

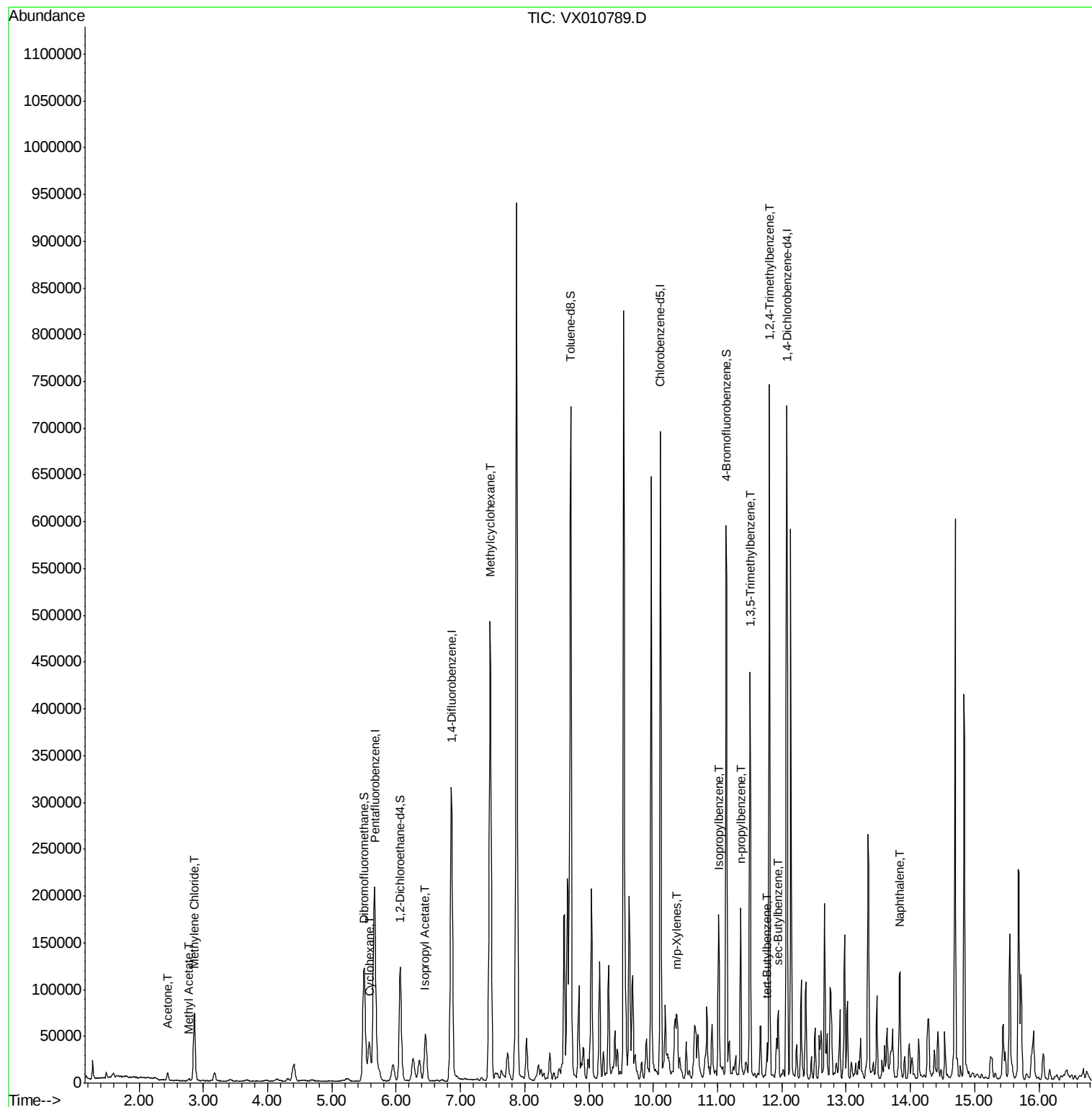
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	8994	8.969	ug/l	94
18) Methyl Acetate	2.78	43	2150	1.076	ug/l #	89
20) Methylene Chloride	2.86	84	35011	16.966	ug/l	99
31) Cyclohexane	5.58	56	28349	9.809	ug/l	98
39) Methylcyclohexane	7.46	83	230727	65.012	ug/l	96
43) Isopropyl Acetate	6.45	43	13125	2.856	ug/l	96
68) m/p-Xylenes	10.36	106	7683	1.773	ug/l	96
73) Isopropylbenzene	11.02	105	90772	8.371	ug/l	98
78) n-propylbenzene	11.36	91	108900	9.137	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	180523	20.193	ug/l	98
83) tert-Butylbenzene	11.77	119	14417	1.607	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	312401	34.782	ug/l	99
85) sec-Butylbenzene	11.94	105	37949	3.602	ug/l	94
95) Naphthalene	13.83	128	74653	6.668	ug/l	99

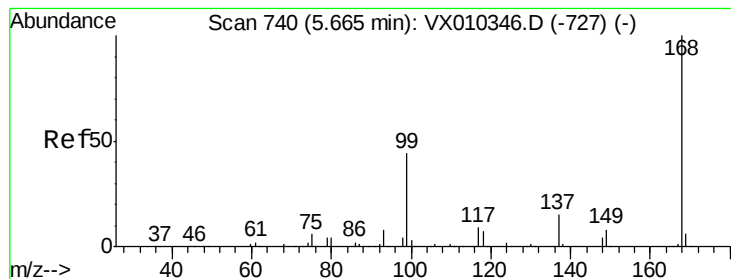
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

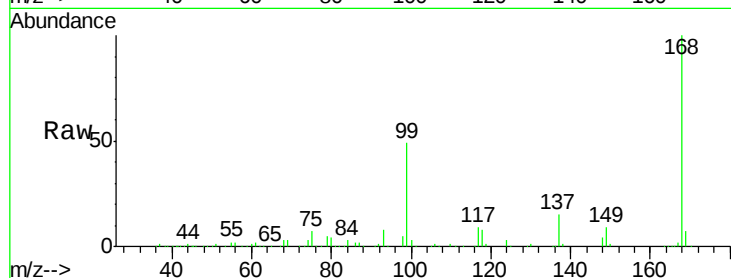
SOIL-SAMPLE-3

Tgt Ion:168 Resp: 213397

Ion Ratio Lower Upper

168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

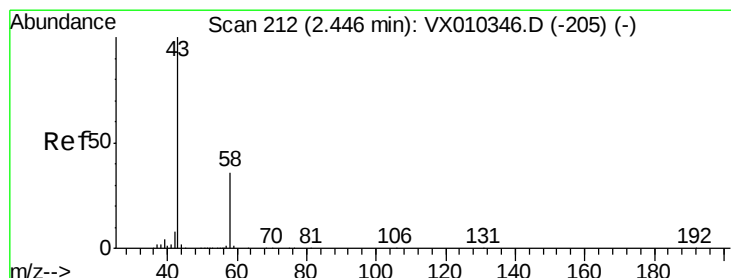
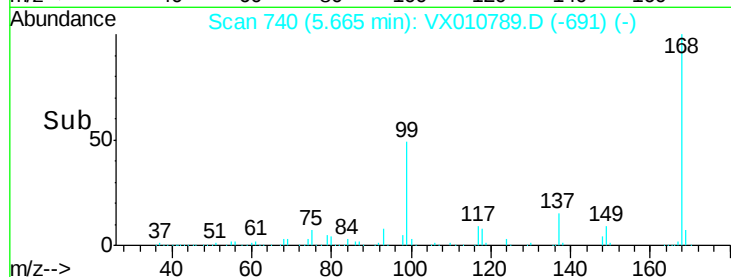
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 8.969 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010789.D

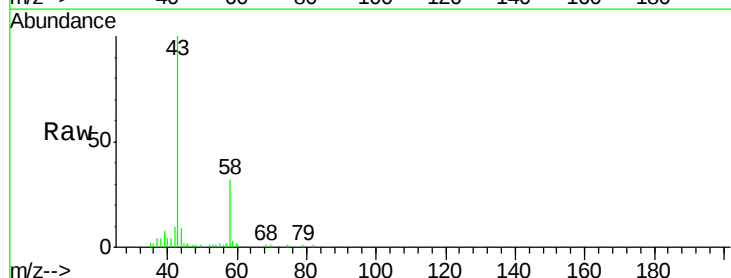
Acq: 10 Jul 2019 19:53

Tgt Ion: 43 Resp: 8994

Ion Ratio Lower Upper

43 100

58 32.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

6000

5000

4000

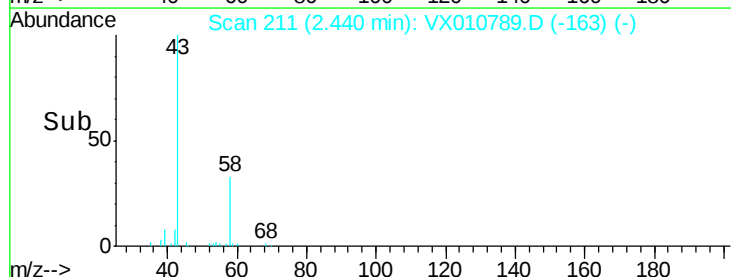
3000

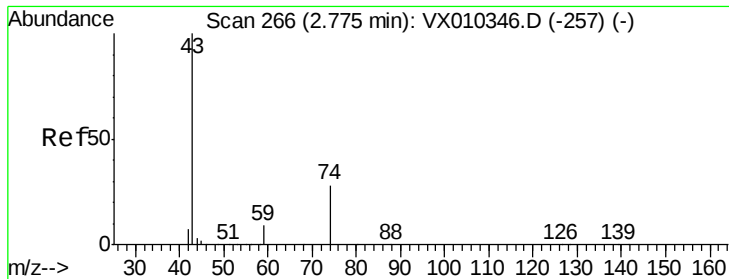
2000

1000

0

Time--> 2.40 2.45 2.50 2.55

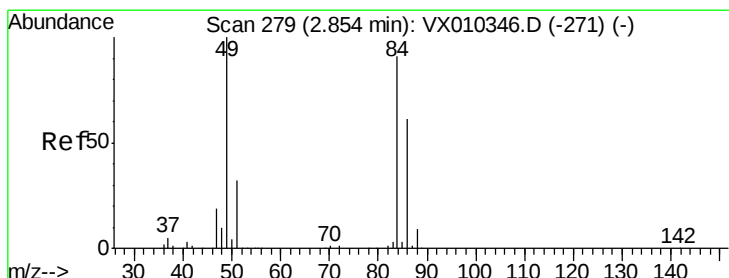
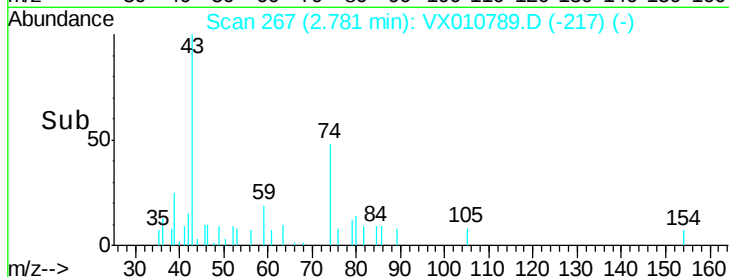
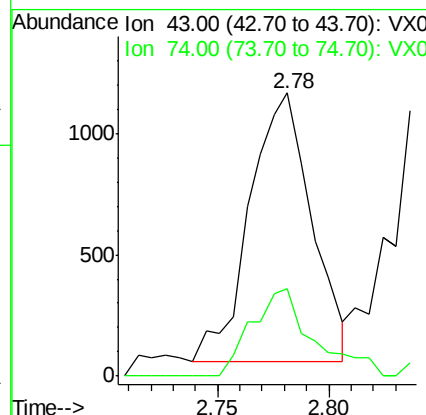
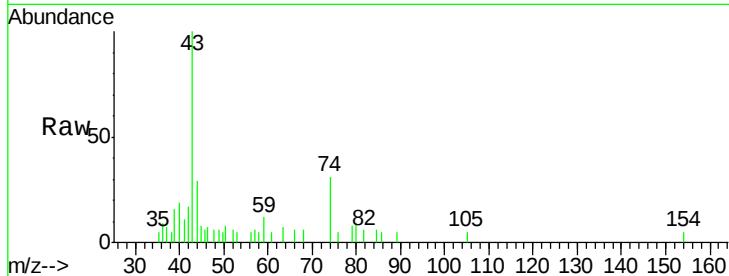




#18
Methyl Acetate
Concen: 1.076 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

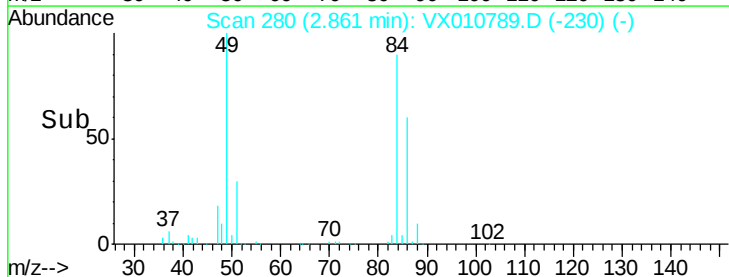
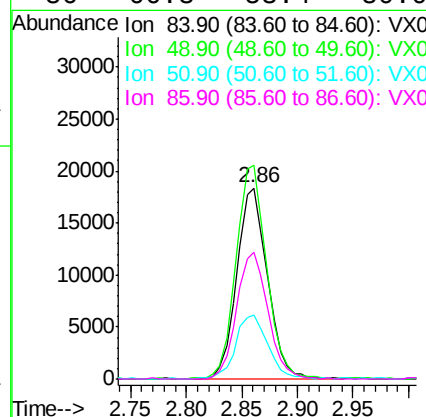
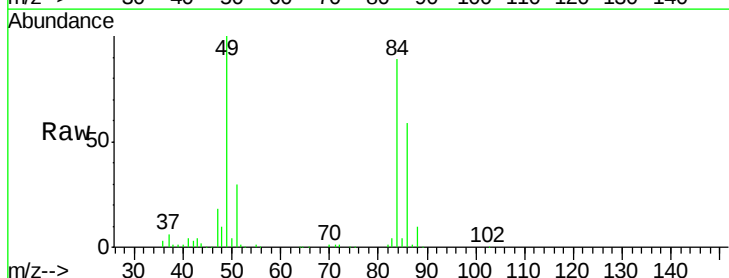
Instrument :
MSVOA_X
ClientSampled :
SOIL-SAMPLE-3

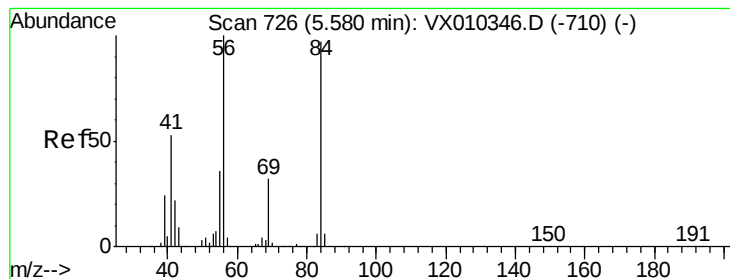
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
74 32.1 21.3 31.9#



#20
Methylene Chloride
Concen: 16.966 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

Tgt Ion: 84 Resp: 35011
Ion Ratio Lower Upper
84 100
49 111.4 87.5 131.3
51 33.8 27.7 41.5
86 66.3 53.4 80.0





#31

Cyclohexane

Concen: 9.809 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-3

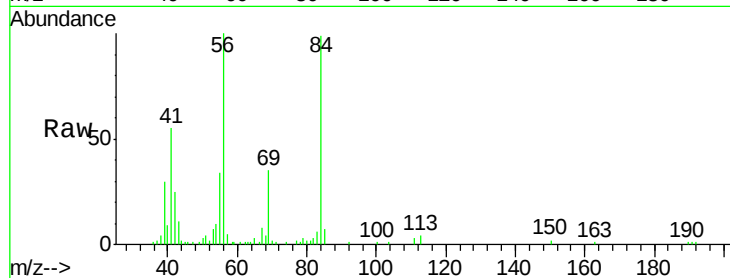
Tgt Ion: 56 Resp: 28349

Ion Ratio Lower Upper

56 100

69 35.4 25.9 38.9

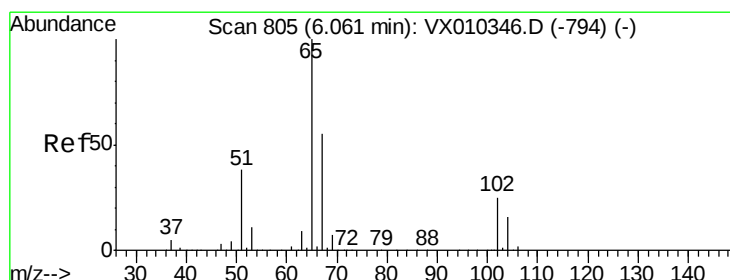
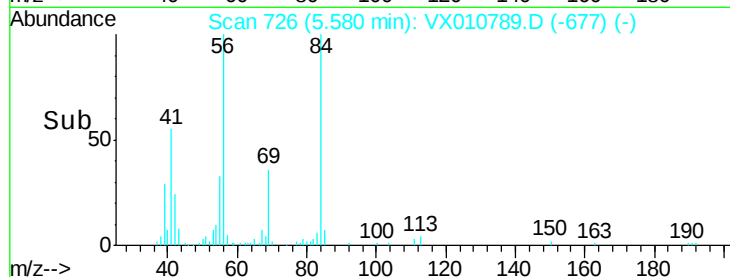
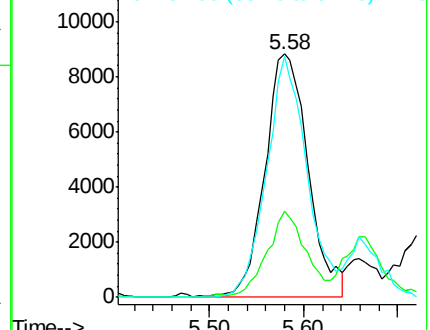
84 98.8 78.0 117.0



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: 54.725 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010789.D

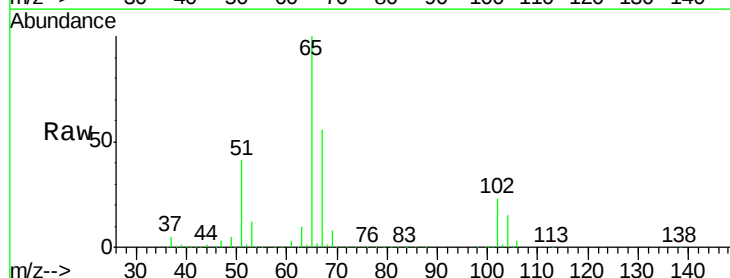
Acq: 10 Jul 2019 19:53

Tgt Ion: 65 Resp: 109494

Ion Ratio Lower Upper

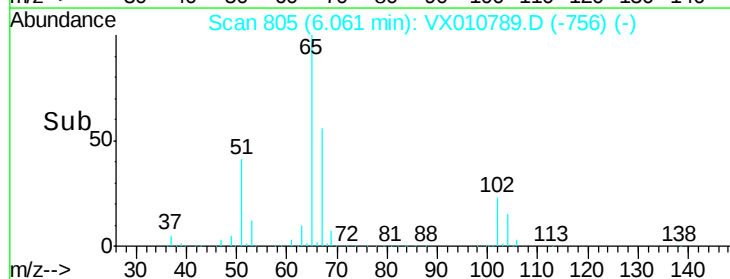
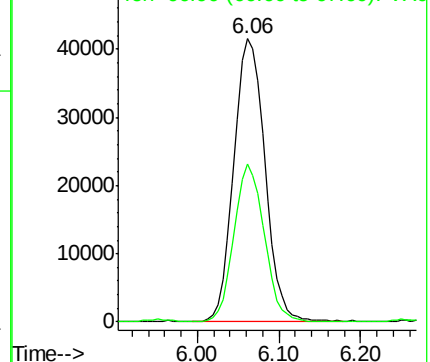
65 100

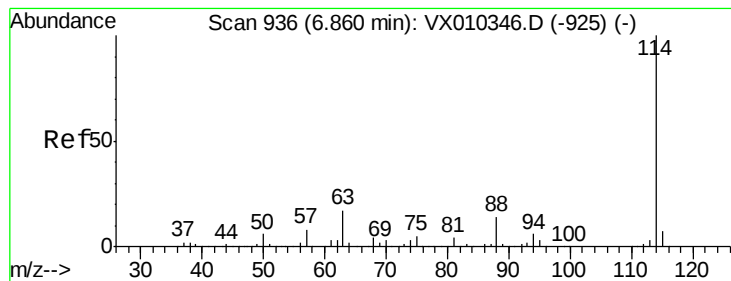
67 53.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-3

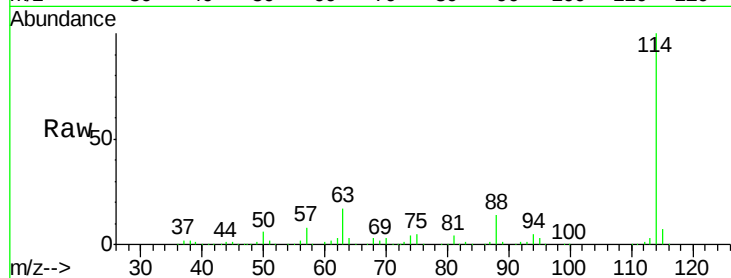
Tgt Ion:114 Resp: 339764

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

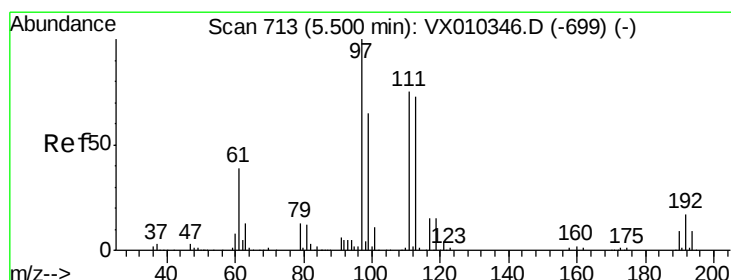
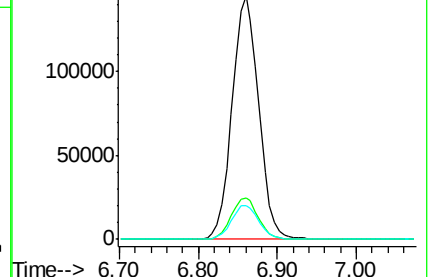
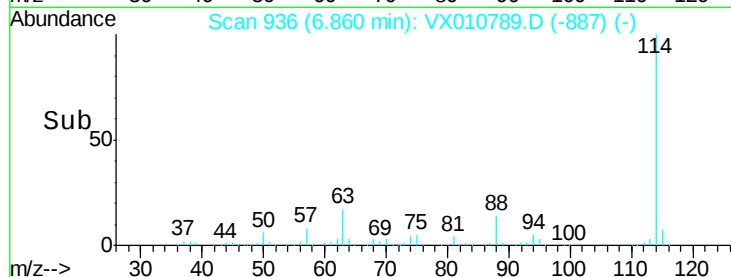
88 13.8 0.0 27.6



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: 49.873 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

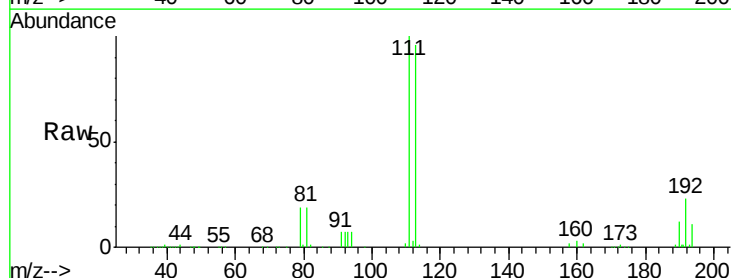
Tgt Ion:113 Resp: 103675

Ion Ratio Lower Upper

113 100

111 101.1 81.2 121.8

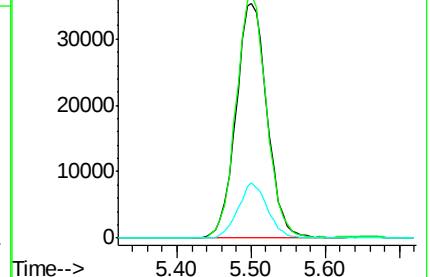
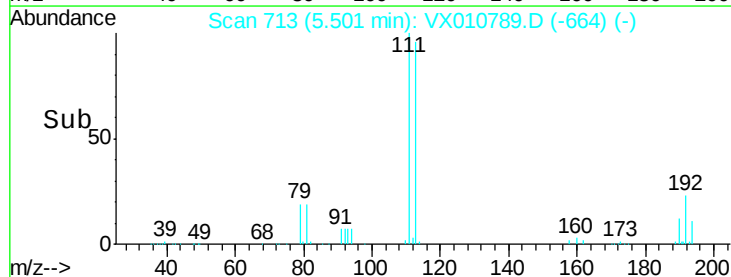
192 22.3 18.6 27.8

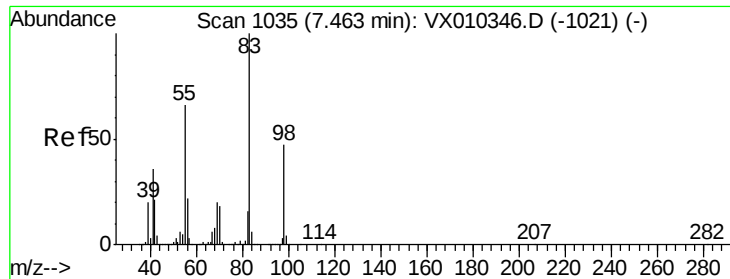


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

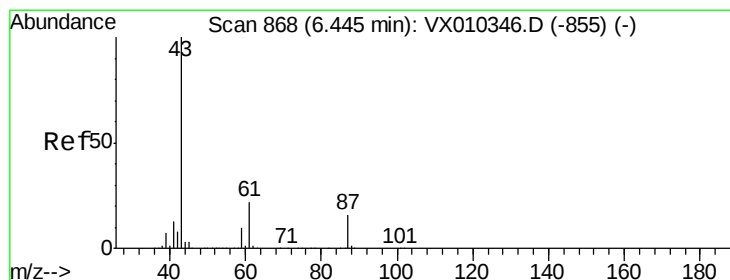
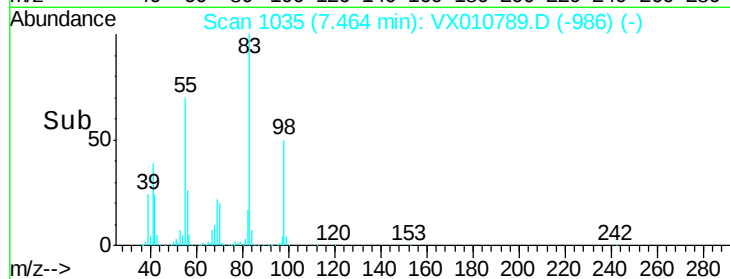
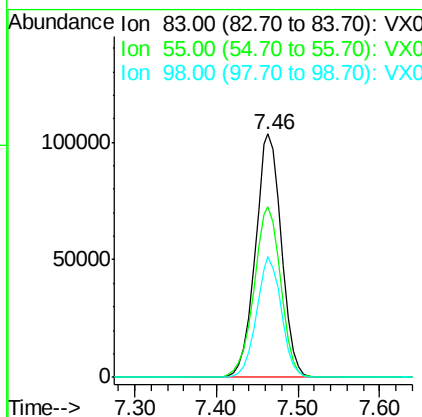
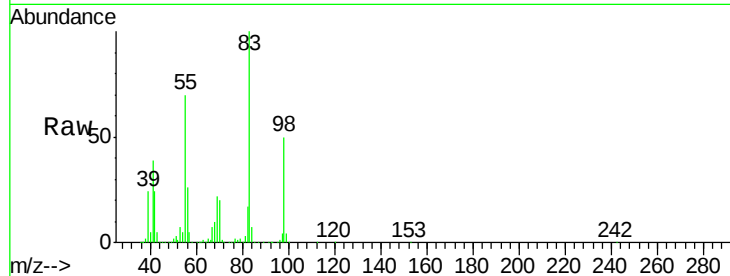




#39
Methylcyclohexane
Concen: 65.012 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

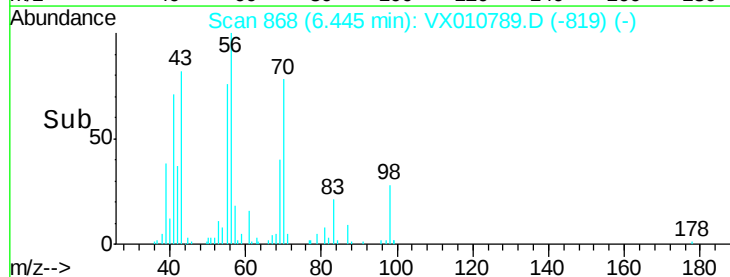
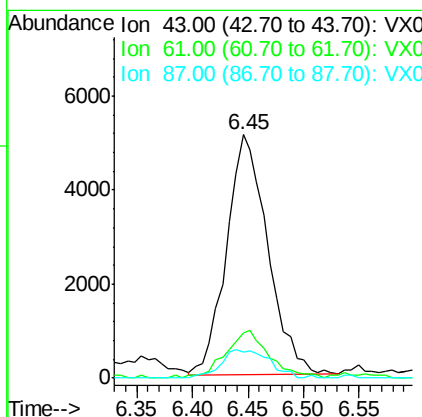
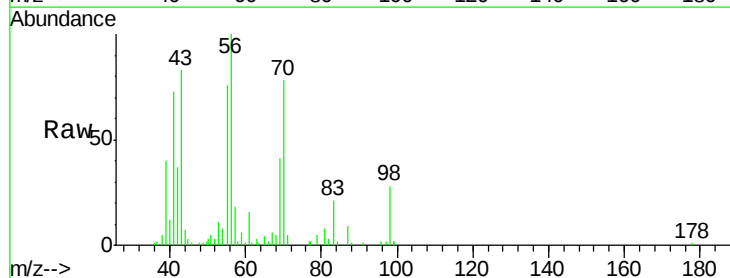
Instrument :
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ClientSampleId :
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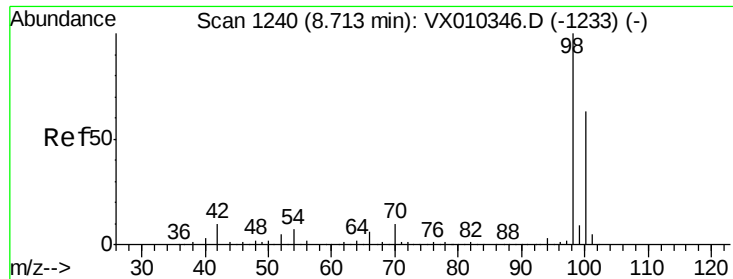
Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.2	53.0	79.6
98	49.7	37.8	56.8



#43
Isopropyl Acetate
Concen: 2.856 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	13.7	13.0	19.4

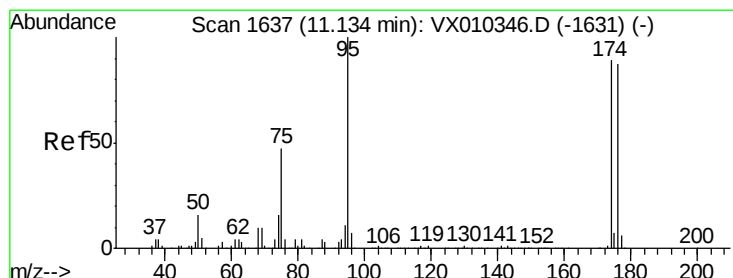
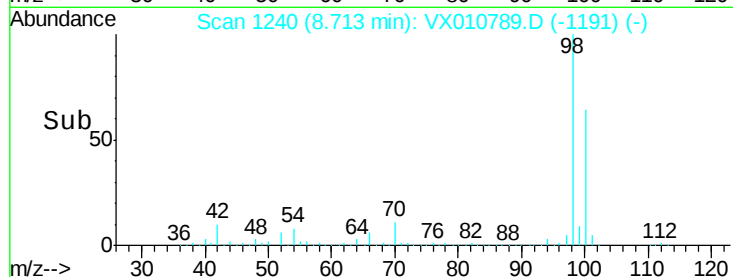
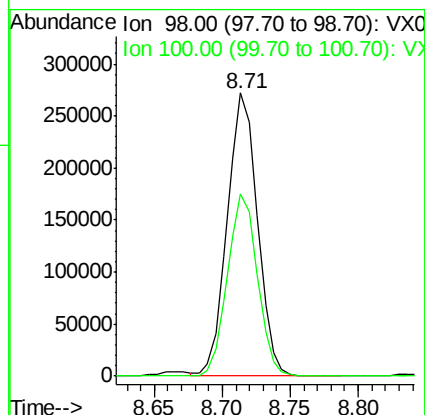
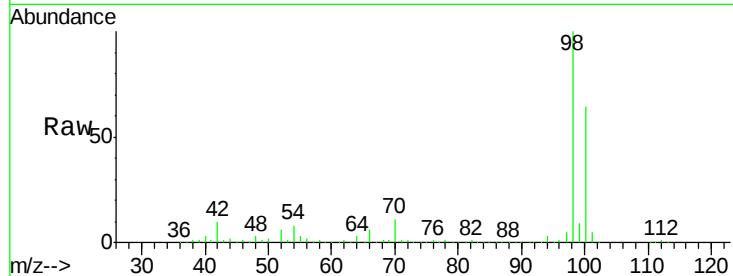




#50
Toluene-d8
Concen: 52.837 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

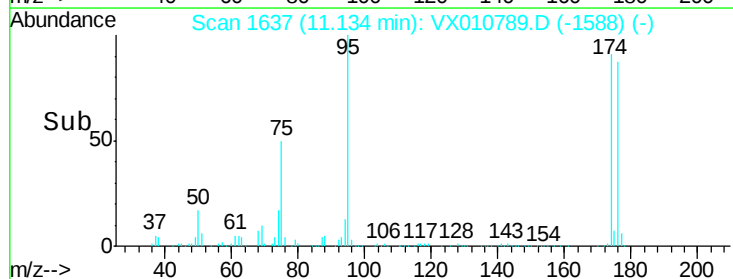
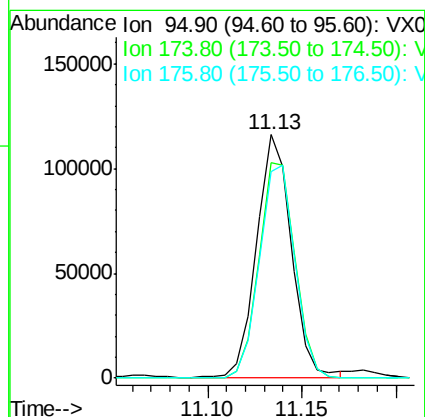
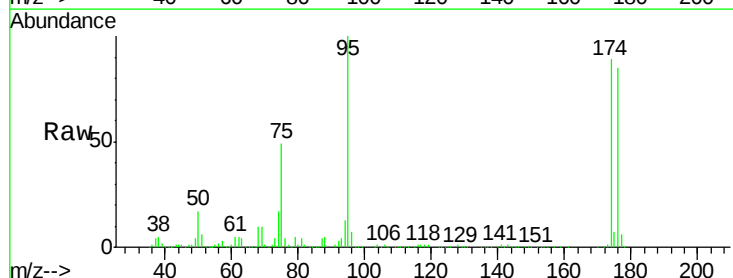
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-3

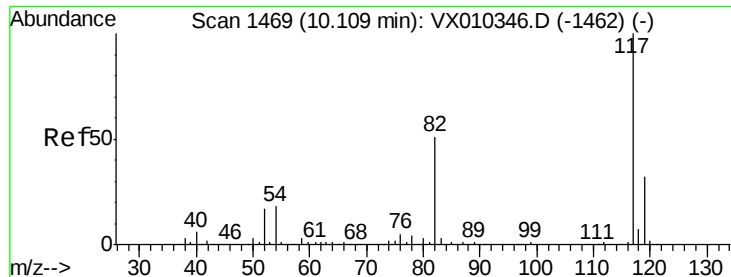
Tgt Ion: 98 Resp: 420215
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 51.538 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

Tgt Ion: 95 Resp: 147979
Ion Ratio Lower Upper
95 100
174 92.3 0.0 187.6
176 90.0 0.0 184.0

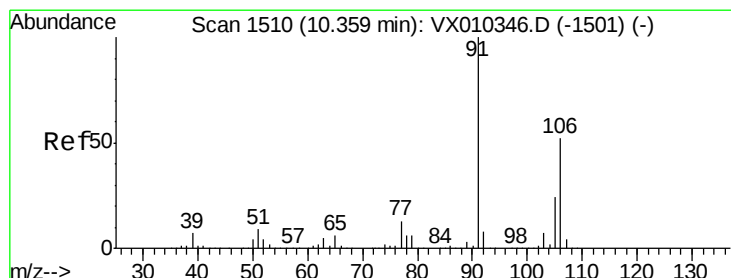
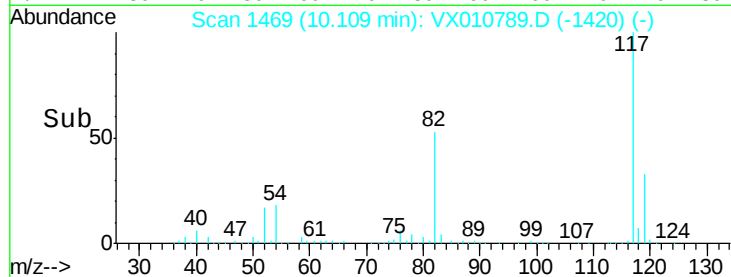
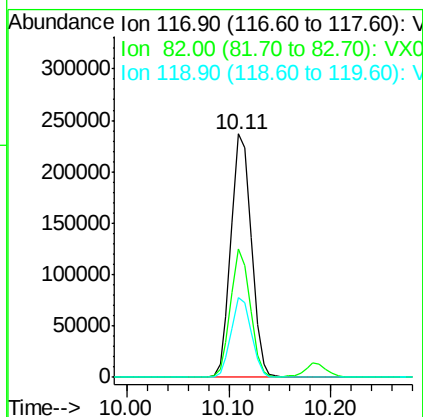
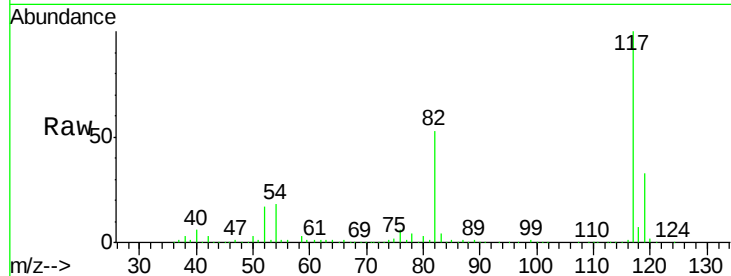




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

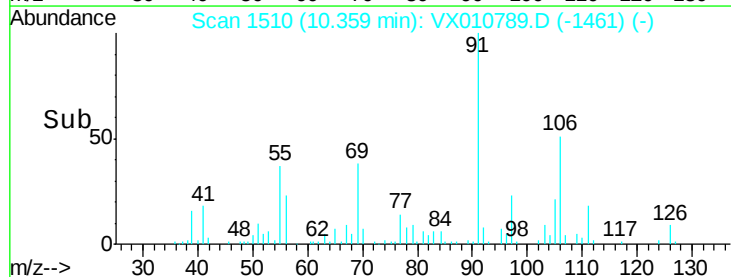
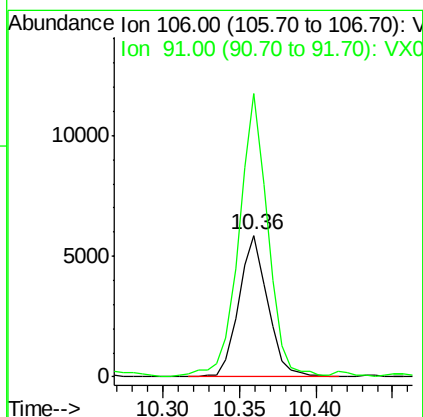
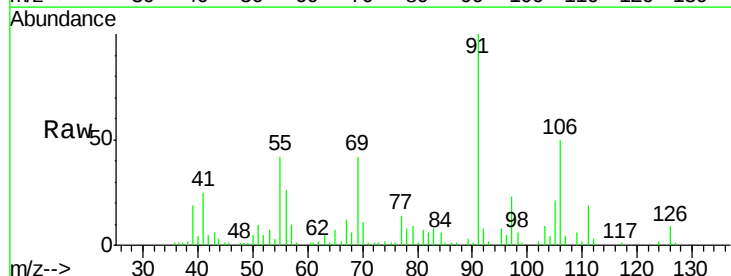
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-3

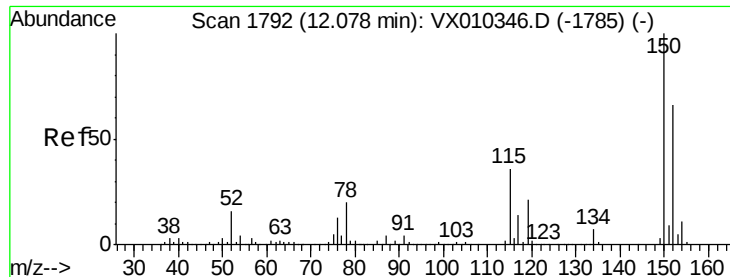
Tgt Ion:117 Resp: 326217
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.8 25.5 38.3



#68
m/p-Xylenes
Concen: 1.773 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010789.D
Acq: 10 Jul 2019 19:53

Tgt Ion:106 Resp: 7683
Ion Ratio Lower Upper
106 100
91 200.0 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-3

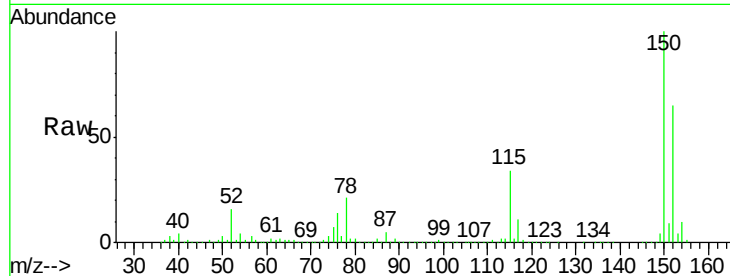
Tgt Ion:152 Resp: 159972

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

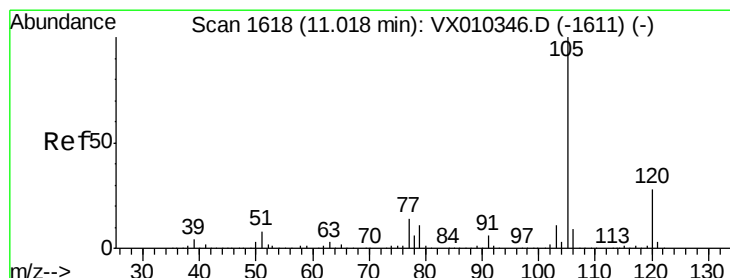
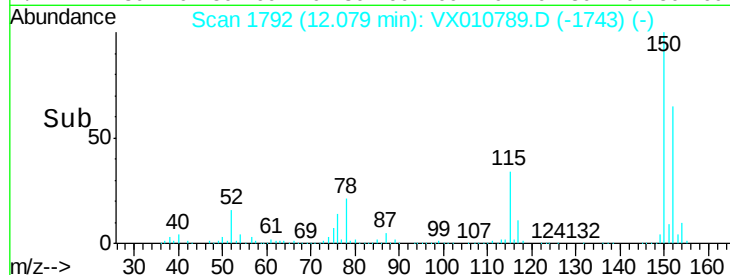
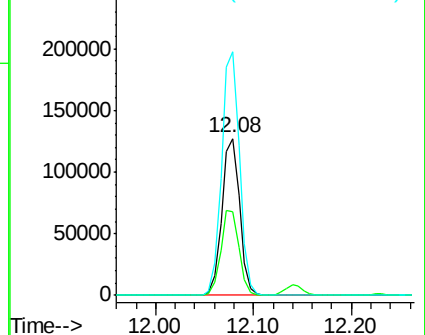
150 156.5 0.0 347.4



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: 8.371 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010789.D

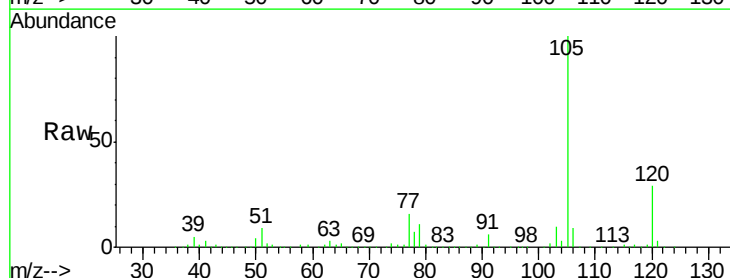
Acq: 10 Jul 2019 19:53

Tgt Ion:105 Resp: 90772

Ion Ratio Lower Upper

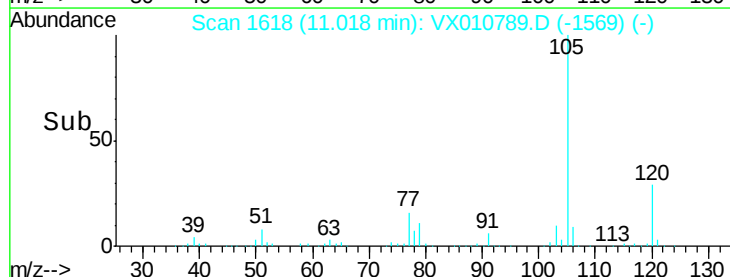
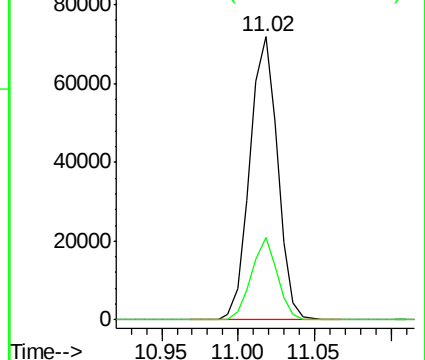
105 100

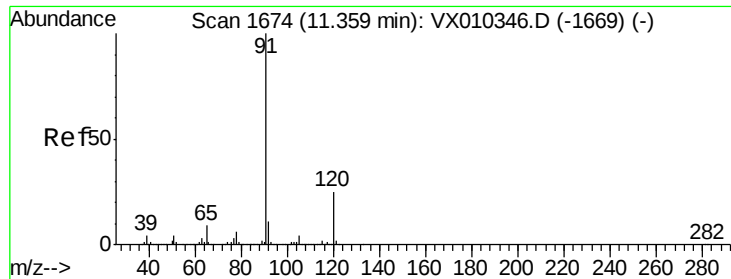
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 9.137 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

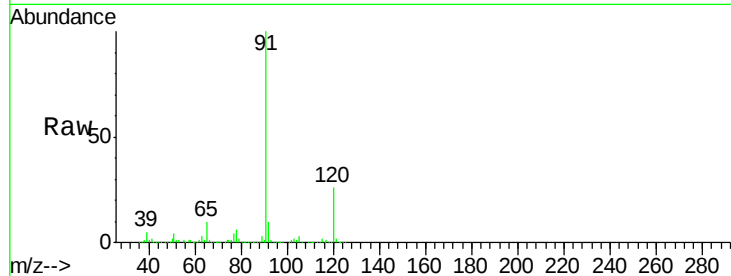
SOIL-SAMPLE-3

Tgt Ion: 91 Resp: 108900

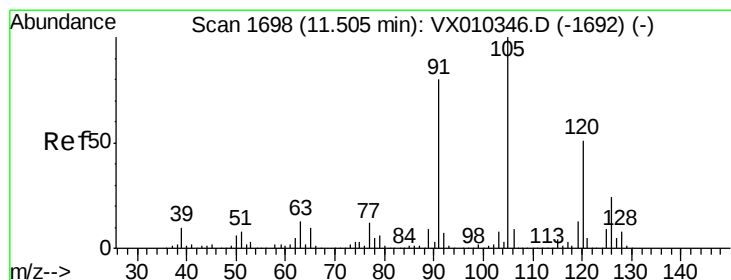
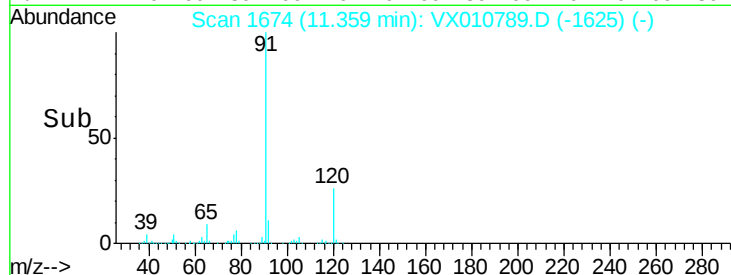
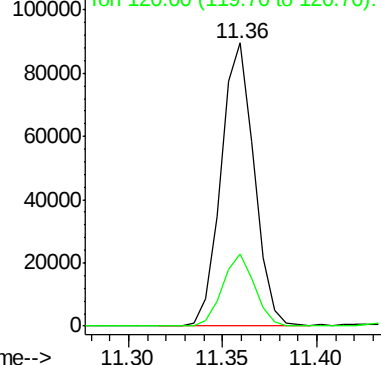
Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.193 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010789.D

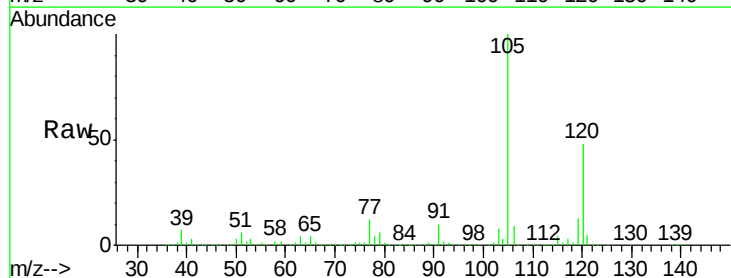
Acq: 10 Jul 2019 19:53

Tgt Ion: 105 Resp: 180523

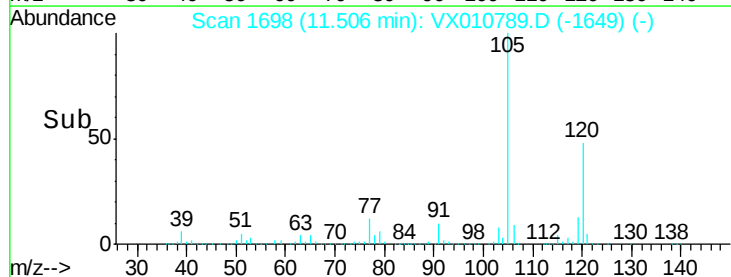
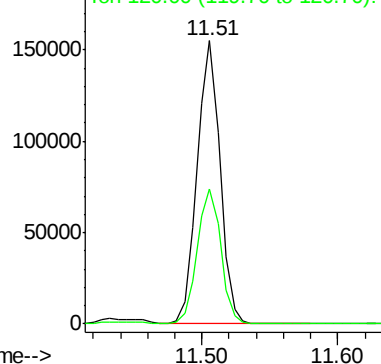
Ion Ratio Lower Upper

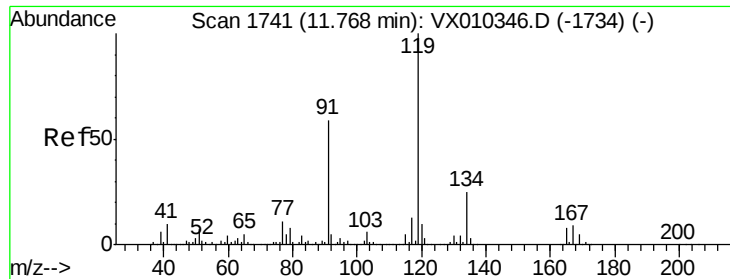
105 100

120 49.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

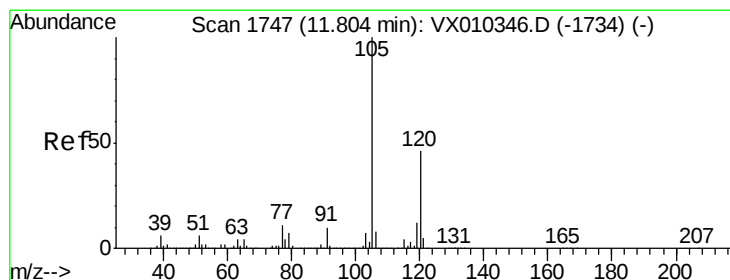
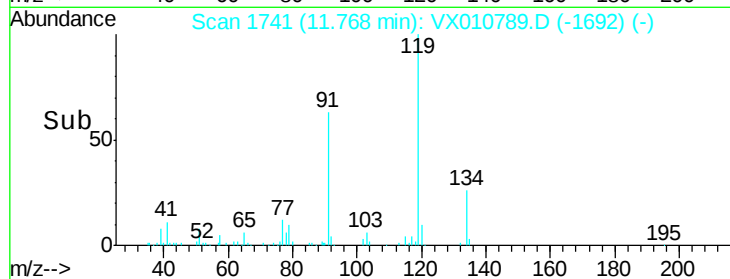
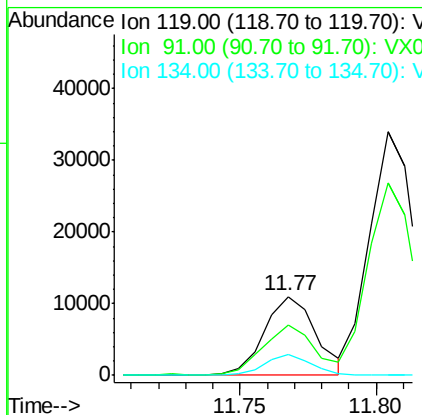
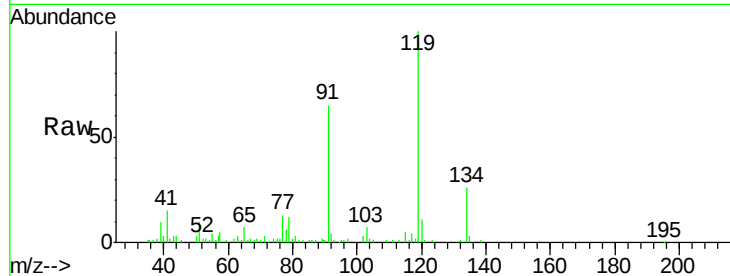




#83
 tert-Butylbenzene
 Concen: 1.607 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010789.D
 Acq: 10 Jul 2019 19:53

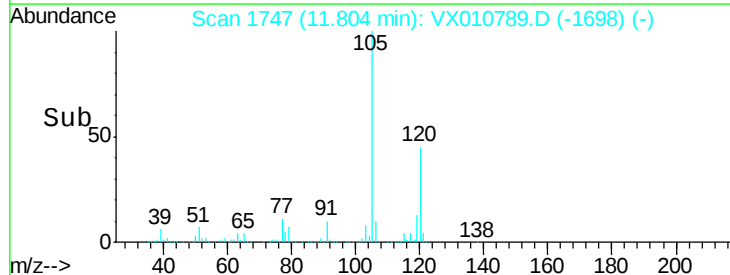
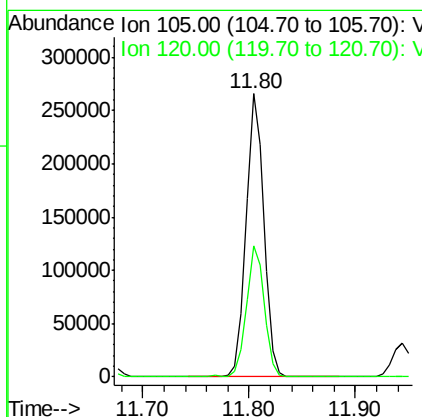
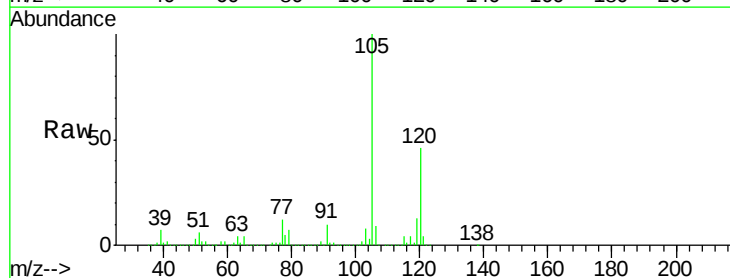
Instrument :
 MSVOA_X
 ClientSampled :
 SOIL-SAMPLE-3

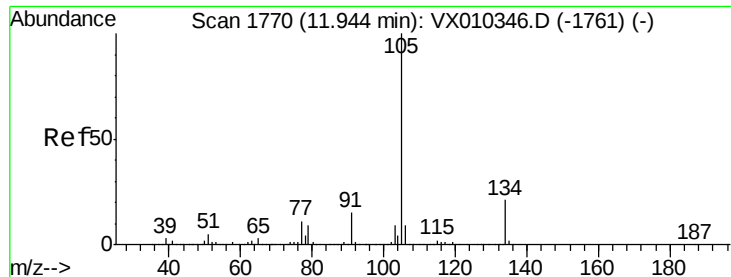
Tgt Ion:119 Resp: 14417
 Ion Ratio Lower Upper
 119 100
 91 65.1 27.6 82.7
 134 24.6 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 34.782 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010789.D
 Acq: 10 Jul 2019 19:53

Tgt Ion:105 Resp: 312401
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 3.602 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

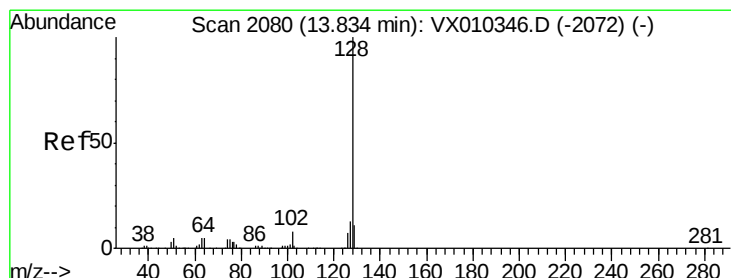
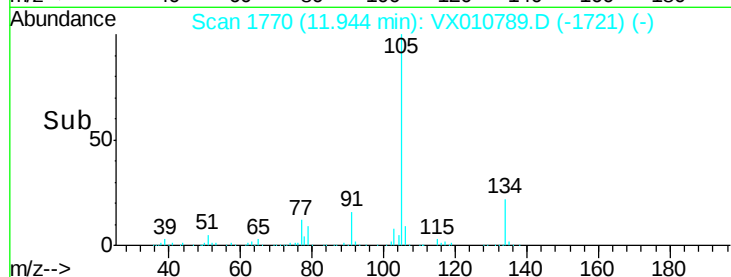
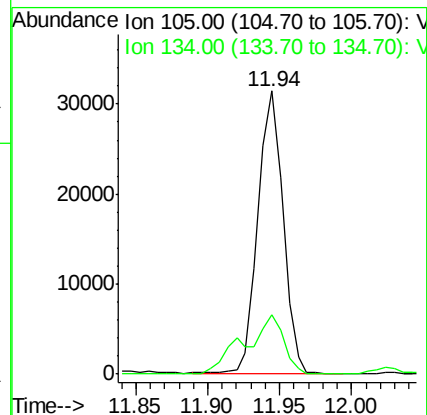
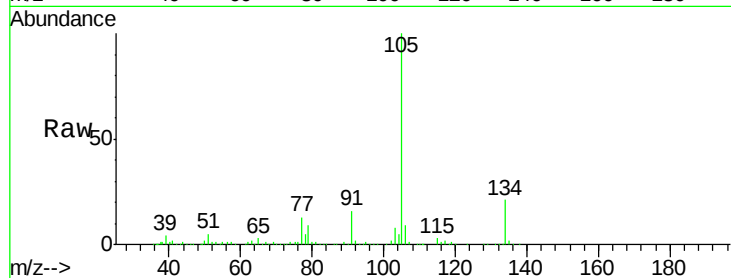
SOIL-SAMPLE-3

Tgt Ion:105 Resp: 37949

Ion Ratio Lower Upper

105 100

134 18.3 10.7 31.9



#95

Naphthalene

Concen: 6.668 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010789.D

Acq: 10 Jul 2019 19:53

Tgt Ion:128 Resp: 74653

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.8 8.9 13.3

