

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046806.D
 Acq On : 21 Sep 2015 14:50
 Operator : FY/SY
 Sample : G3747-04
 Misc : 4.71µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRENCH-1-4

Quant Time: Sep 22 01:56:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	157755	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	215751	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	187486	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	95506	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	89846	54.78	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 109.56%
35) Dibromofluoromethane	6.19	113	93525	55.40	ug/l	-0.03
Spiked Amount				50.000		
Recovery						= 110.80%
50) Toluene-d8	9.60	98	255143	47.91	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 95.82%
62) 4-Bromofluorobenzene	12.84	95	97980	45.69	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 91.38%

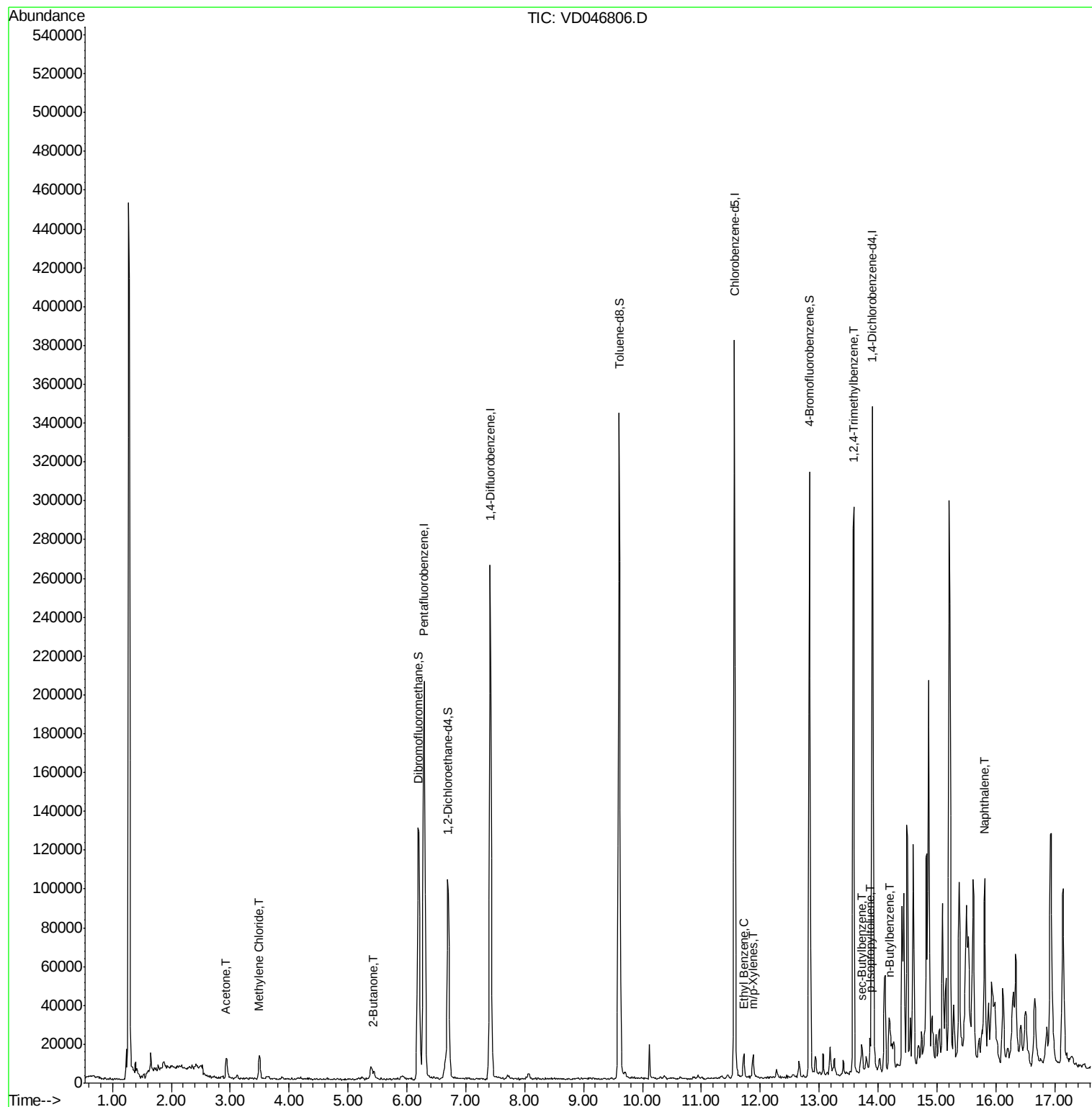
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acetone	2.94	43	15739	56.79	ug/l	96
21) Methylene Chloride	3.49	84	5813	3.86	ug/l	87
26) 2-Butanone	5.44	43	5236	16.81	ug/l #	89
67) Ethyl Benzene	11.72	91	8815	1.11	ug/l	98
68) m/p-Xylenes	11.88	106	2939	1.18	ug/l	88
84) 1,2,4-Trimethylbenzene	13.59	105	157352	29.14	ug/l	97
85) sec-Butylbenzene	13.72	105	7158	1.01	ug/l	94
86) p-Isopropyltoluene	13.86	119	8092	1.45	ug/l	97
89) n-Butylbenzene	14.21	91	8851	1.40	ug/l #	88
95) Naphthalene	15.81	128	82053	41.02	ug/l	98

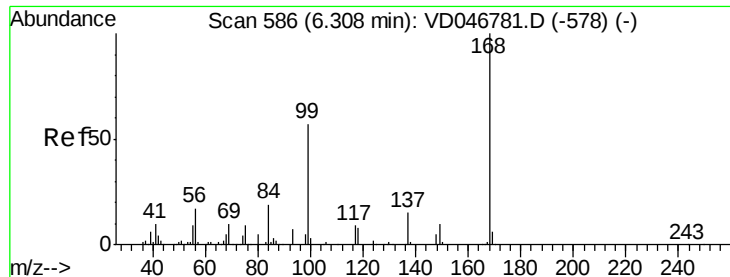
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
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Quant Time: Sep 22 01:56:04 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

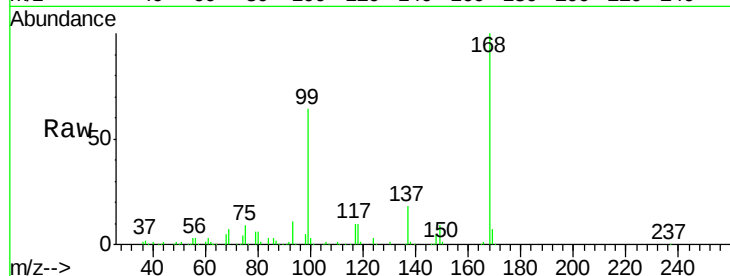
TRENCH-1-4

Tot Ion:168 Resp: 157755

Ion Ratio Lower Upper

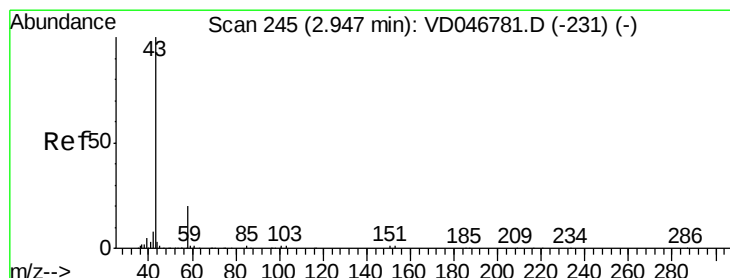
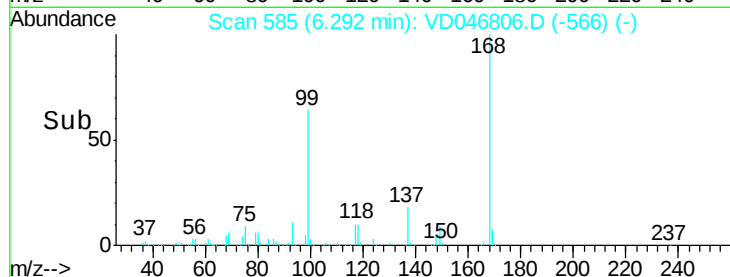
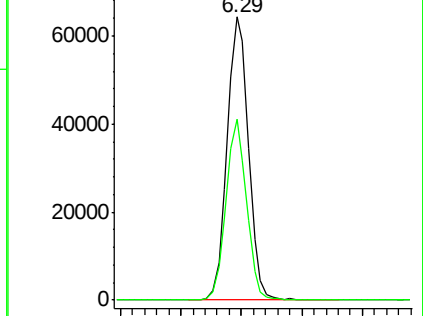
168 100

99 63.7 42.4 63.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#17

Acetone

Concen: 56.79 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046806.D

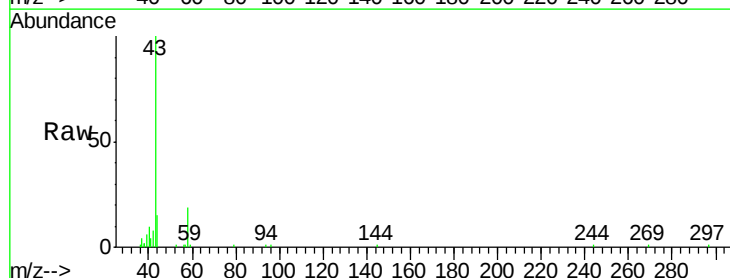
Acq: 21 Sep 2015 14:50

Tgt Ion: 43 Resp: 15739

Ion Ratio Lower Upper

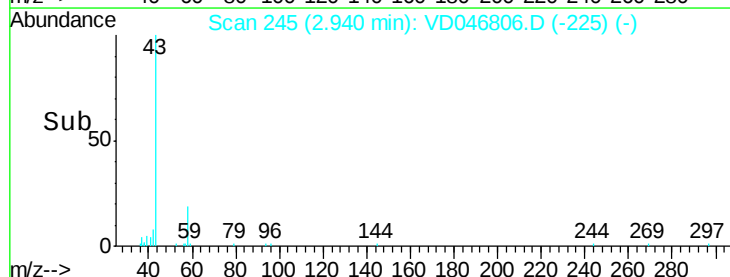
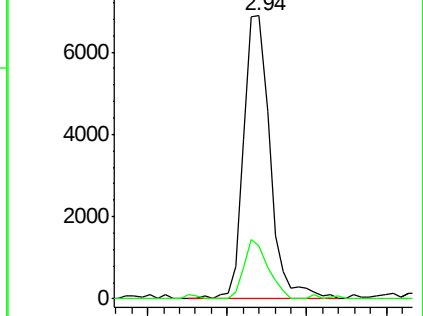
43 100

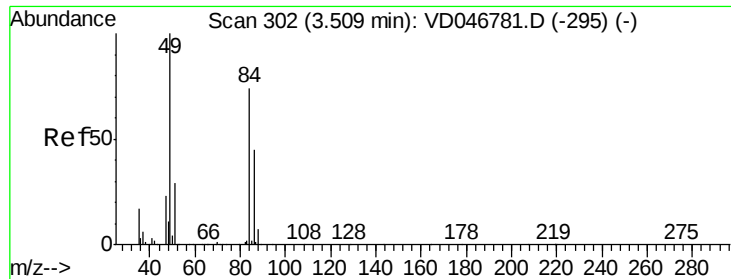
58 18.9 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

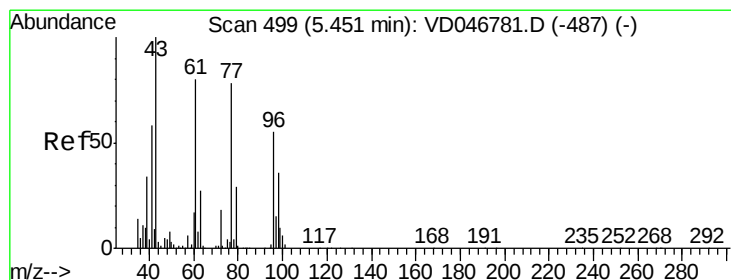
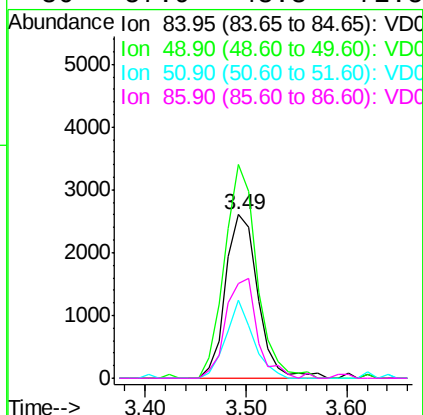
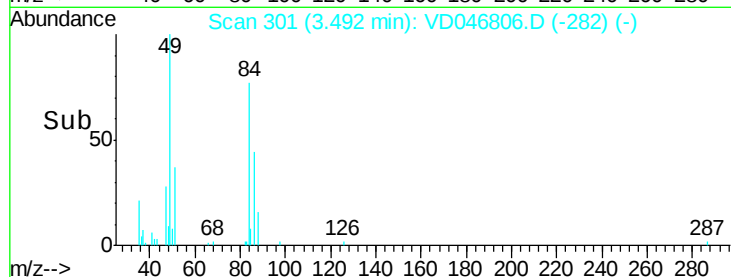
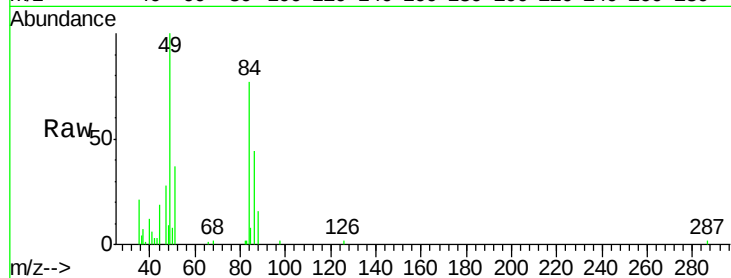




#21
Methvlene Chloride
Concen: 3.86 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046806.D
Acq: 21 Sep 2015 14:50

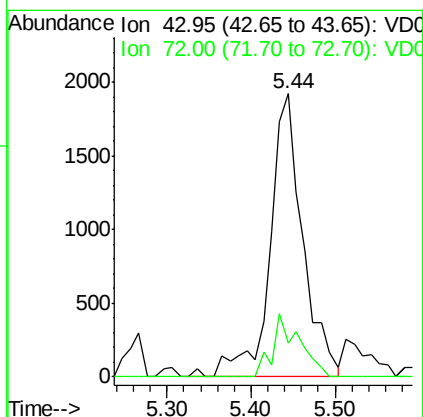
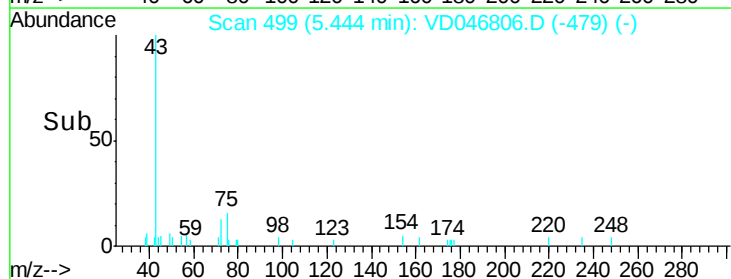
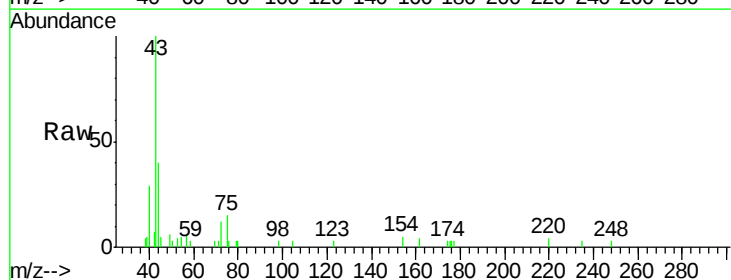
Instrument :
MSVOA_D
ClientSampleId :
TRENCH-1-4

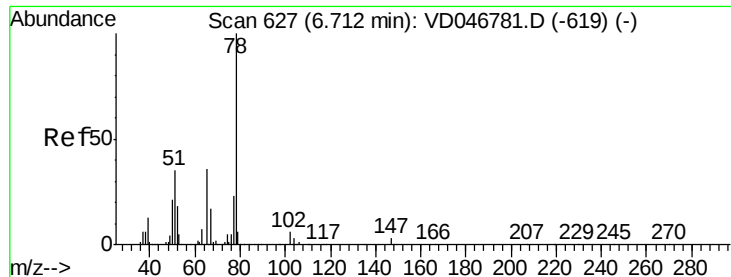
Tot Ion:	84	Resp:	5813
Ion	Ratio	Lower	Upper
84	100		
49	130.6	122.1	183.1
51	47.8	33.6	50.4
86	57.9	48.3	72.5



#26
2-Butanone
Concen: 16.81 ug/l
RT: 5.44 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD046806.D
Acq: 21 Sep 2015 14:50

Tgt Ion:	43	Resp:	5236
Ion	Ratio	Lower	Upper
43	100		
72	11.8	13.4	20.0#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

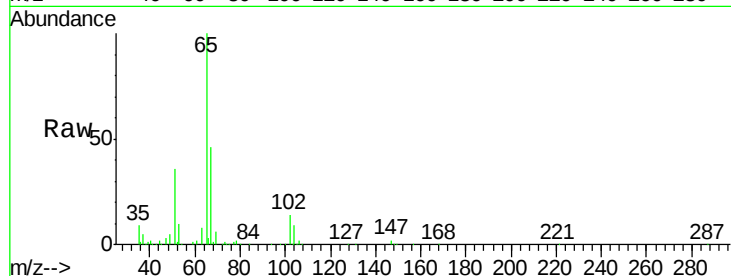
TRENCH-1-4

Tot Ion: 65 Resp: 89846

Ion Ratio Lower Upper

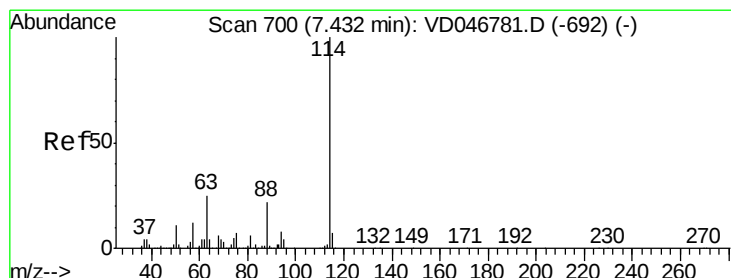
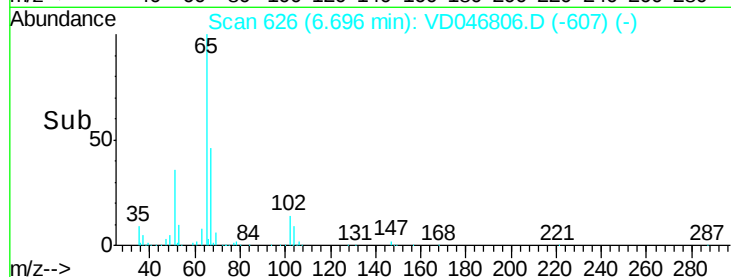
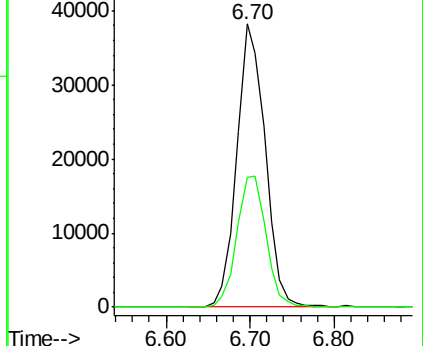
65 100

67 45.7 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

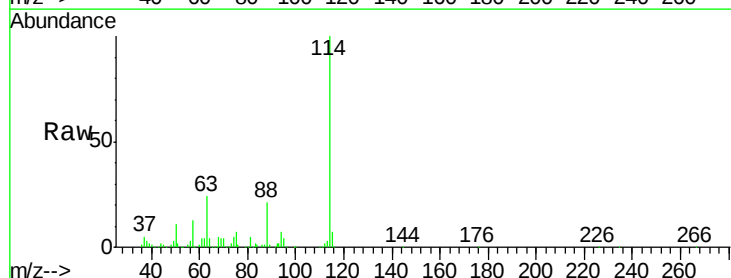
Tgt Ion: 114 Resp: 215751

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.8

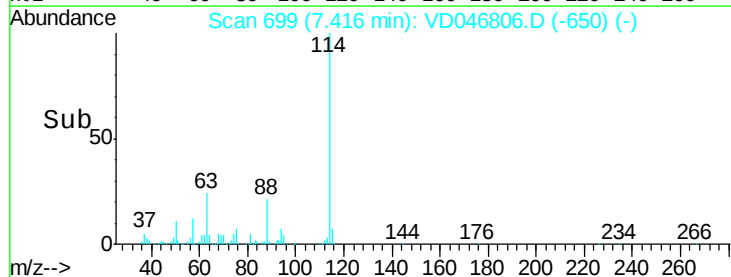
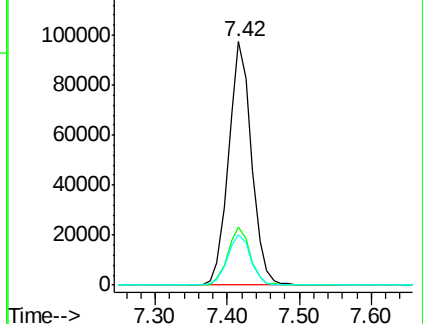
88 20.8 0.0 43.6

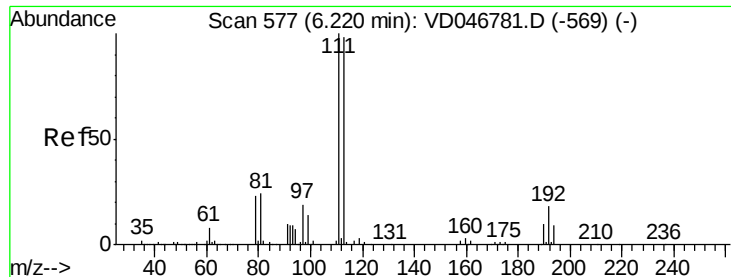


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

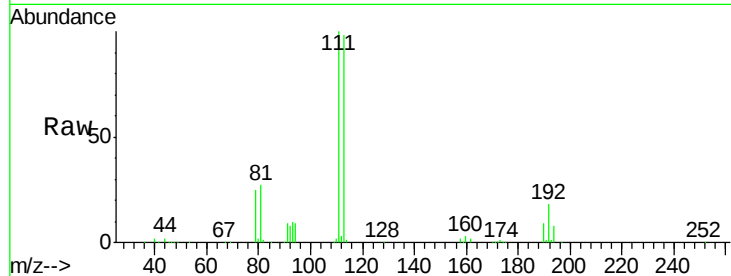




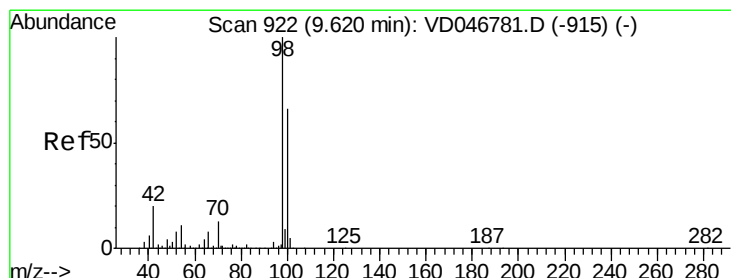
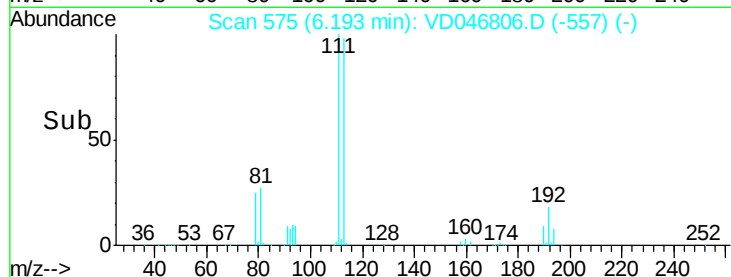
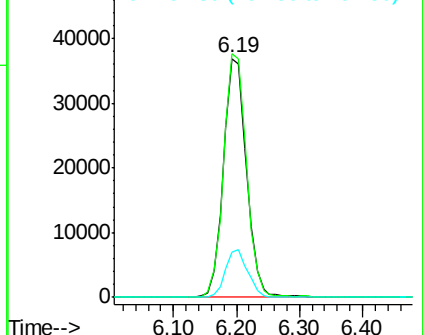
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046806.D
 Acq: 21 Sep 2015 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 TRENCH-1-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	79.4	119.0
192	18.9	14.6	22.0

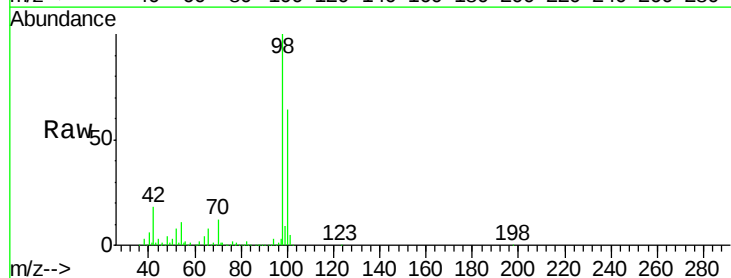


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

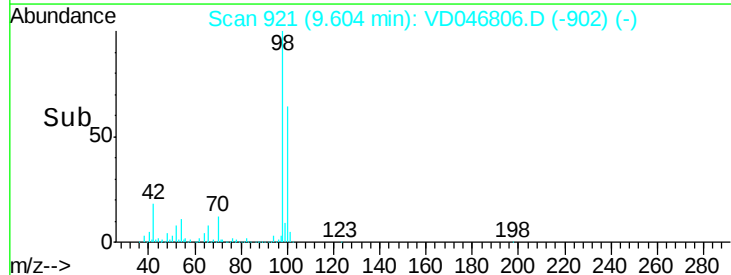
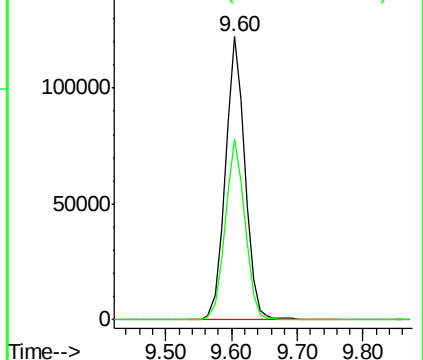


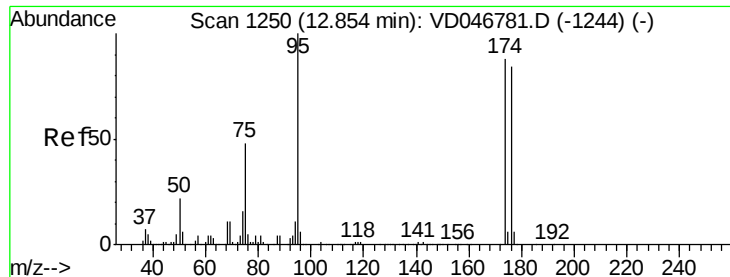
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.60 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: VD046806.D
 Acq: 21 Sep 2015 14:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.9	74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-1-4

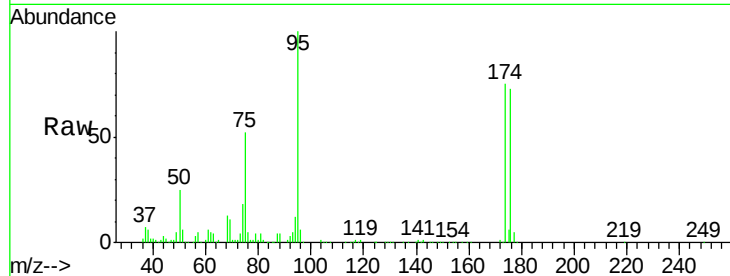
Tot Ion: 95 Resp: 97980

Ion Ratio Lower Upper

95 100

174 74.6 0.0 149.8

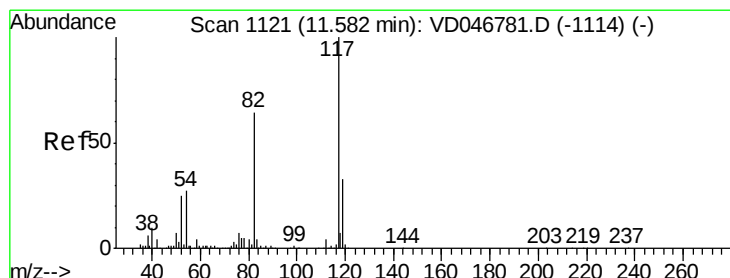
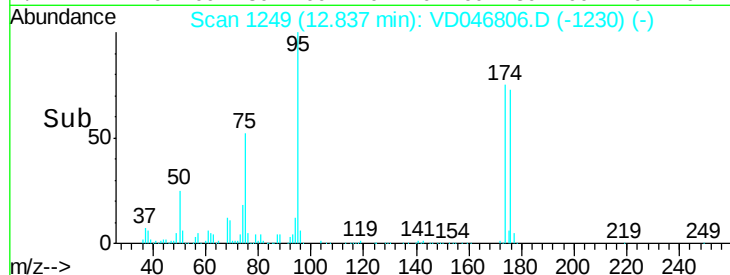
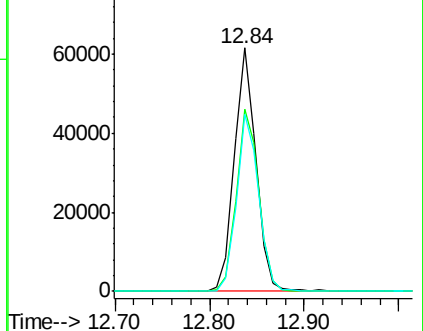
176 73.0 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

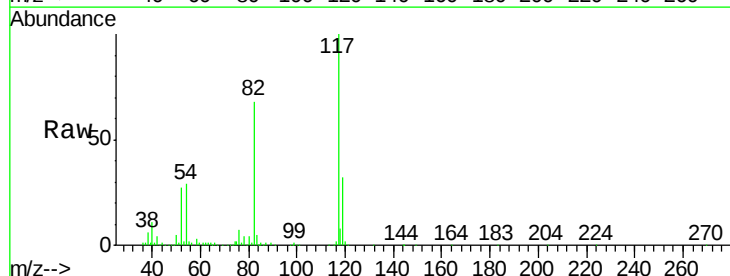
Tgt Ion: 117 Resp: 187486

Ion Ratio Lower Upper

117 100

82 67.9 50.6 75.8

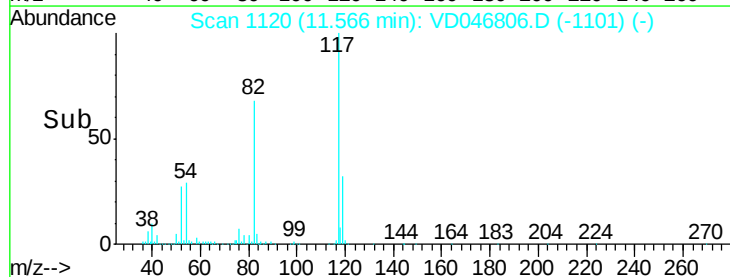
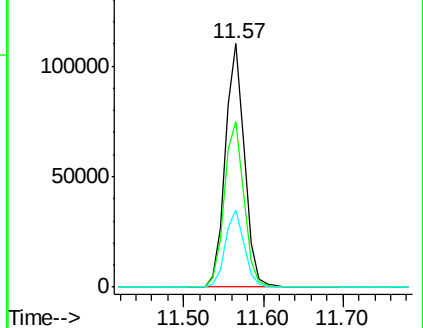
119 31.7 25.8 38.8

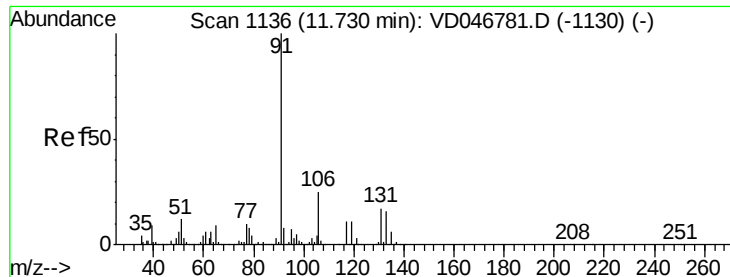


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 1.11 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

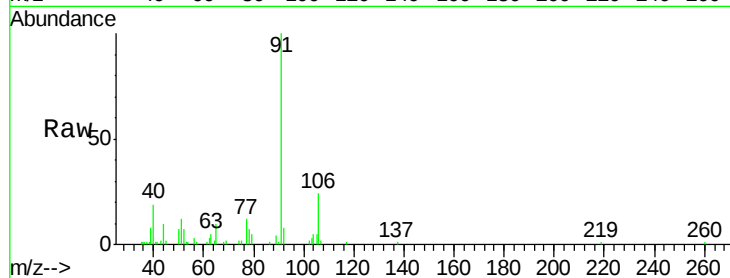
TRENCH-1-4

Tot Ion: 91 Resp: 8815

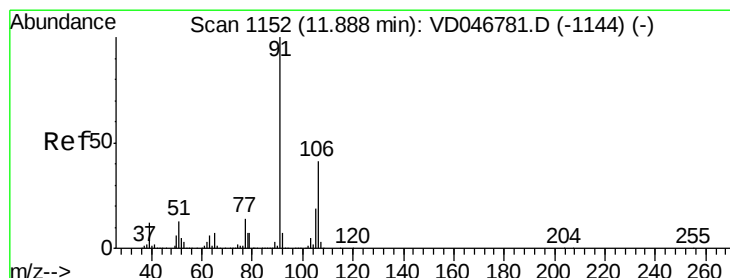
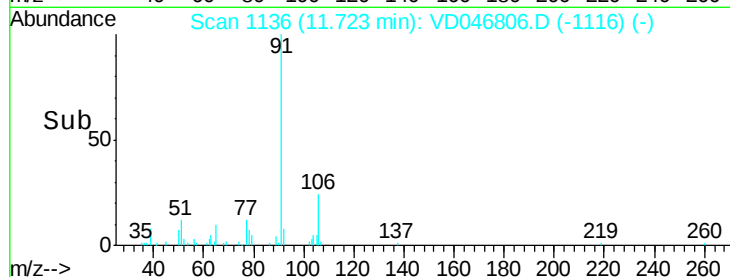
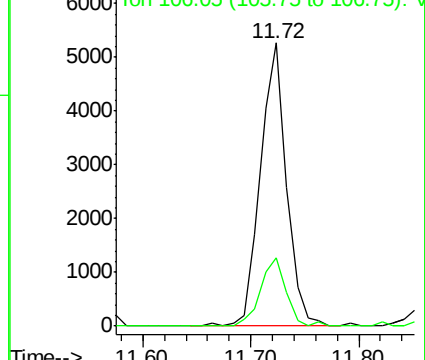
Ion Ratio Lower Upper

91 100

106 24.1 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VD046806.D (-1116) (-)



#68

m/p-Xylenes

Concen: 1.18 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VD046806.D

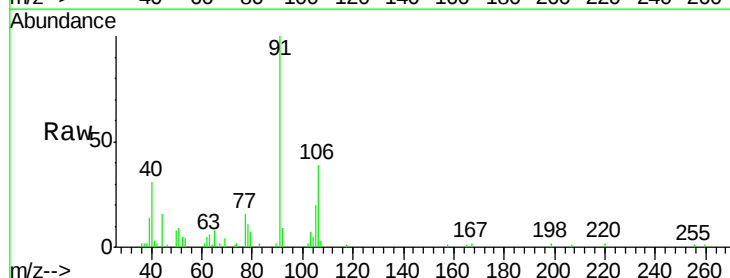
Acq: 21 Sep 2015 14:50

Tgt Ion: 106 Resp: 2939

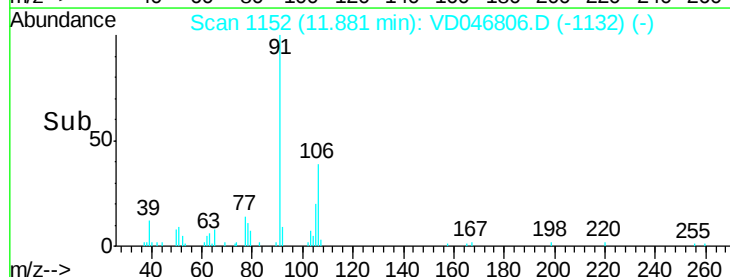
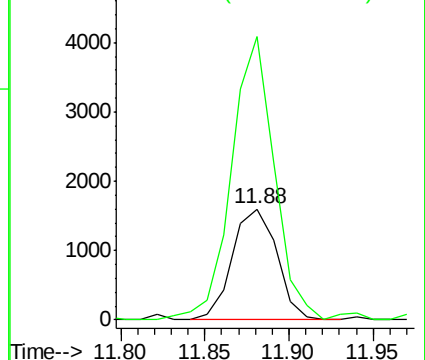
Ion Ratio Lower Upper

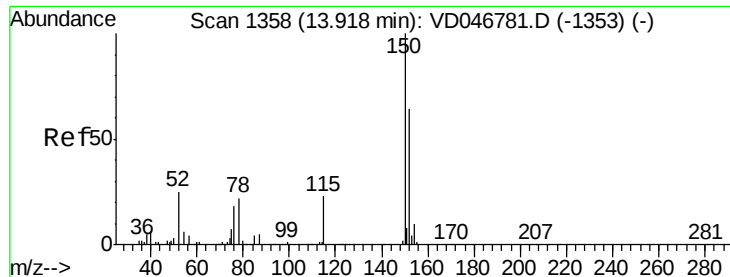
106 100

91 254.9 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046806.D (-1132) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-1-4

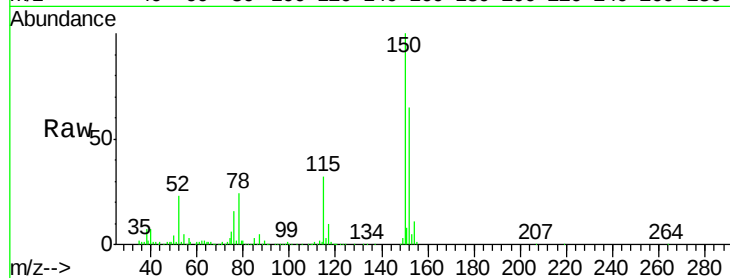
Tot Ion:152 Resp: 95506

Ion Ratio Lower Upper

152 100

115 49.5 26.2 78.6

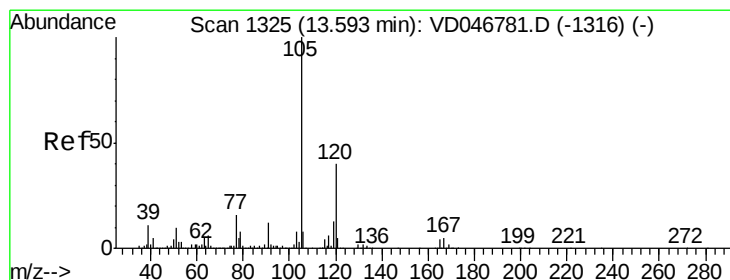
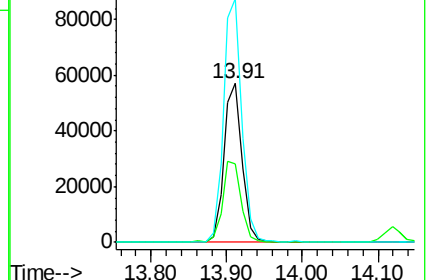
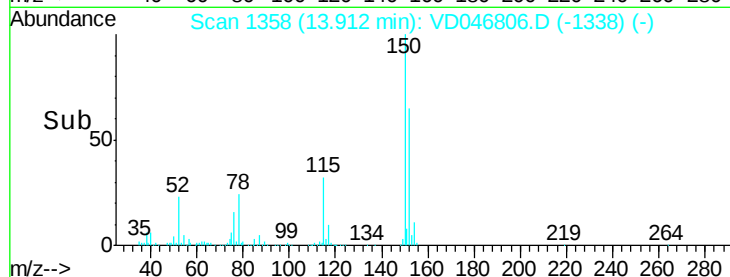
150 153.3 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 29.14 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VD046806.D

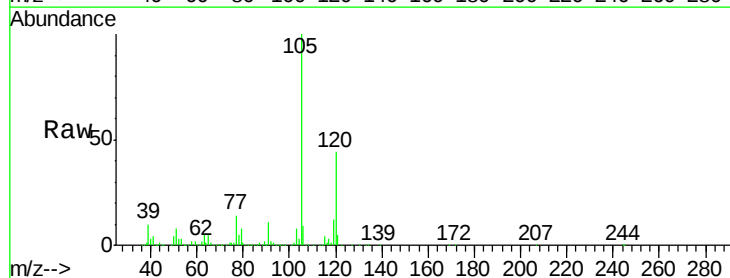
Acq: 21 Sep 2015 14:50

Tgt Ion:105 Resp: 157352

Ion Ratio Lower Upper

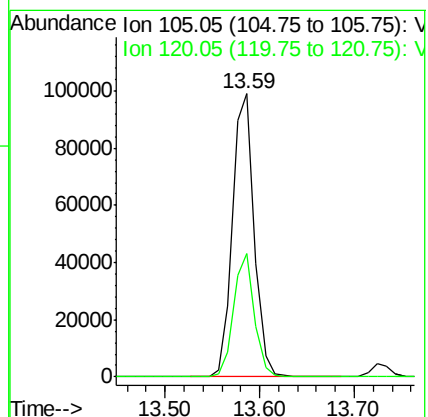
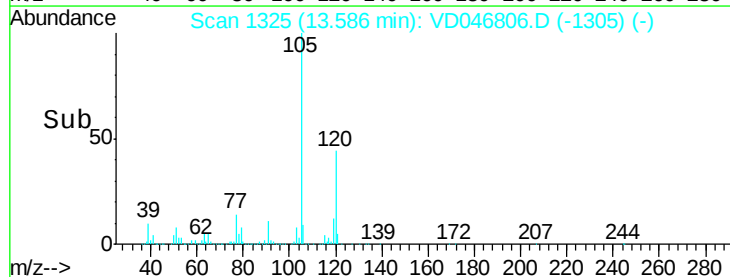
105 100

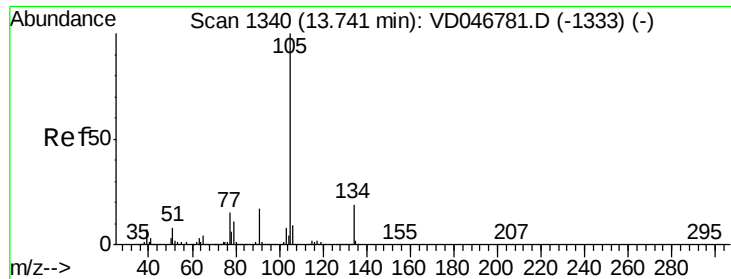
120 43.8 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

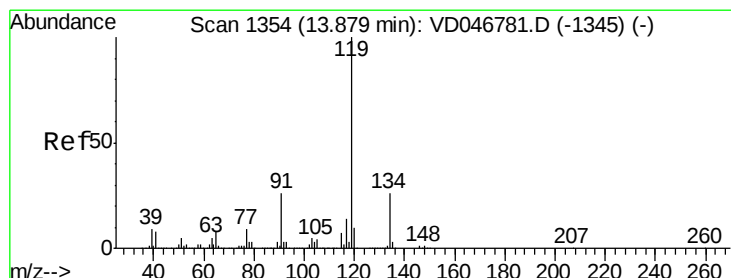
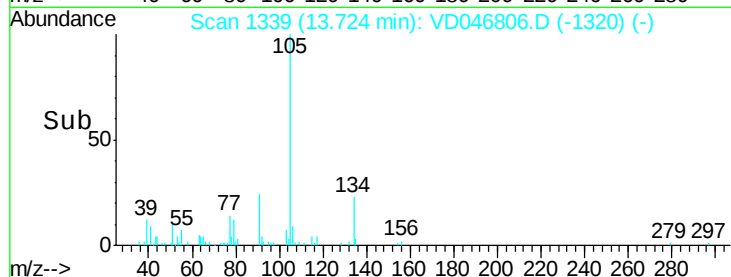
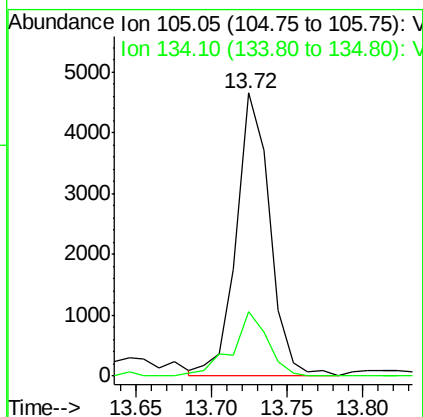
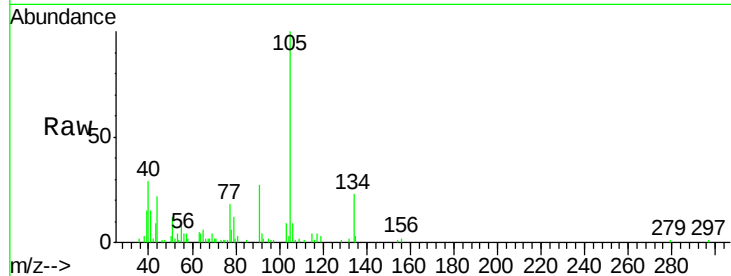




#85
 sec-Butylbenzene
 Concen: 1.01 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046806.D
 Acq: 21 Sep 2015 14:50

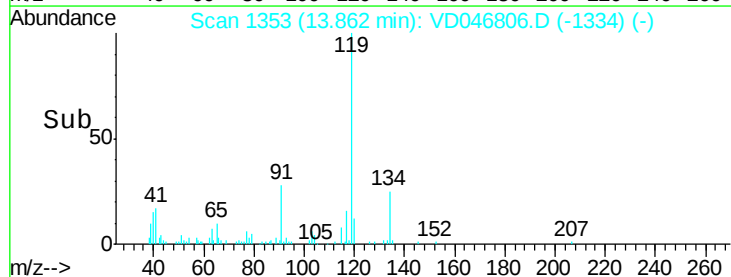
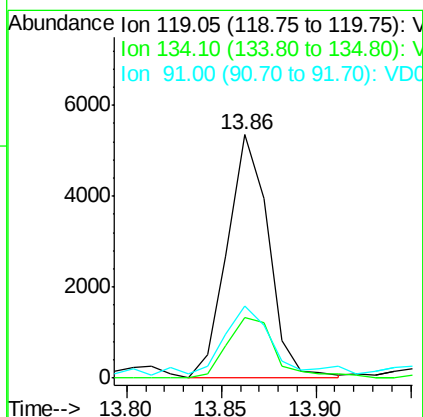
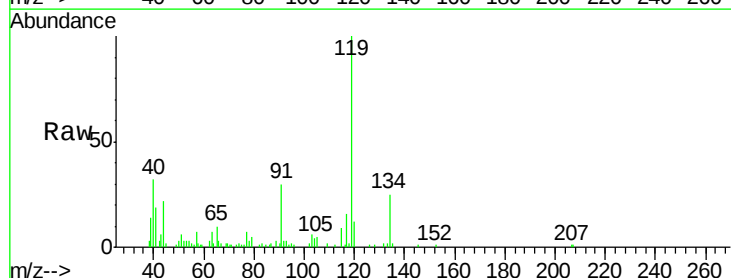
Instrument :
 MSVOA_D
 ClientSampleID :
 TRENCH-1-4

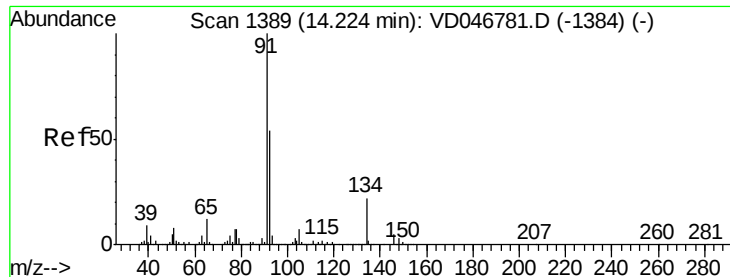
Tot Ion:105 Resp: 7158
 Ion Ratio Lower Upper
 105 100
 134 22.9 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 1.45 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046806.D
 Acq: 21 Sep 2015 14:50

Tgt Ion:119 Resp: 8092
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 38.9
 91 29.9 13.8 41.3





#89

n-Butylbenzene

Concen: 1.40 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-1-4

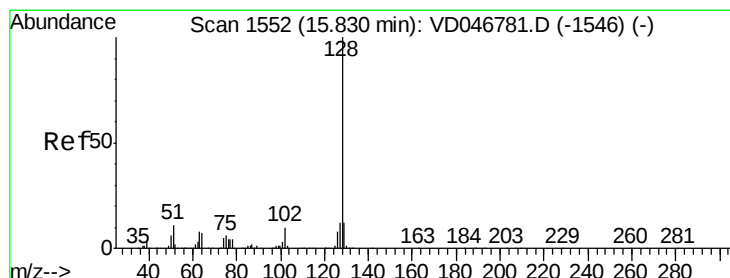
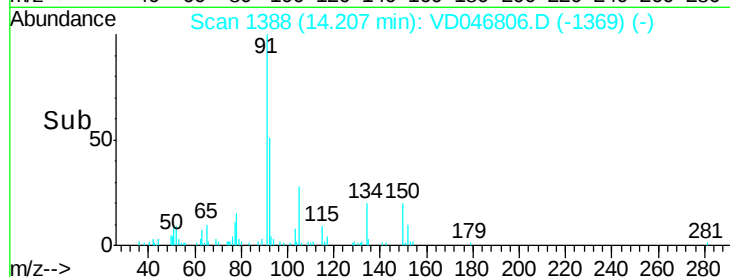
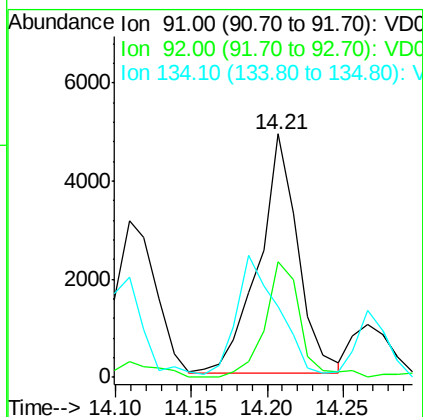
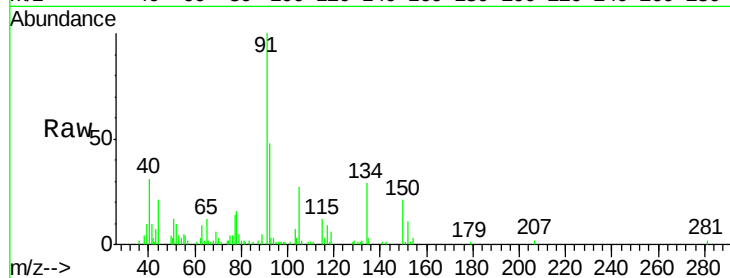
Tot Ion: 91 Resp: 8851

Ion Ratio Lower Upper

91 100

92 47.7 27.1 81.2

134 28.9 9.6 28.6#



#95

Naphthalene

Concen: 41.02 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046806.D

Acq: 21 Sep 2015 14:50

Tgt Ion: 128 Resp: 82053

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.6

129 11.4 8.6 12.8

