

Data Path : W:\HPCHEM1\MSVOA_H\DATA\XH092115\
 Data File : XH057096.D
 Acq On : 21 Sep 2015 17:36
 Operator : SY/FY
 Sample : G3747-02MEDL 10X
 Misc : 6.55/10mL/100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

Quant Time: Sep 22 04:40:16 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	857528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.55	114	1463271	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.71	117	1090991	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.49	152	291158	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.79	65	641680	41.90	ug/l	-0.02
Spiked Amount	50.000	Range	66 - 150	Recovery	=	83.80%	
35) Dibromofluoromethane		4.07	113	591940	50.81	ug/l	-0.02
Spiked Amount	50.000	Range	76 - 130	Recovery	=	101.62%	
48) Toluene-d8		7.50	98	1645189	49.11	ug/l	-0.02
Spiked Amount	50.000	Range	78 - 121	Recovery	=	98.22%	
62) 4-Bromofluorobenzene		11.35	95	535067	47.36	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	94.72%	

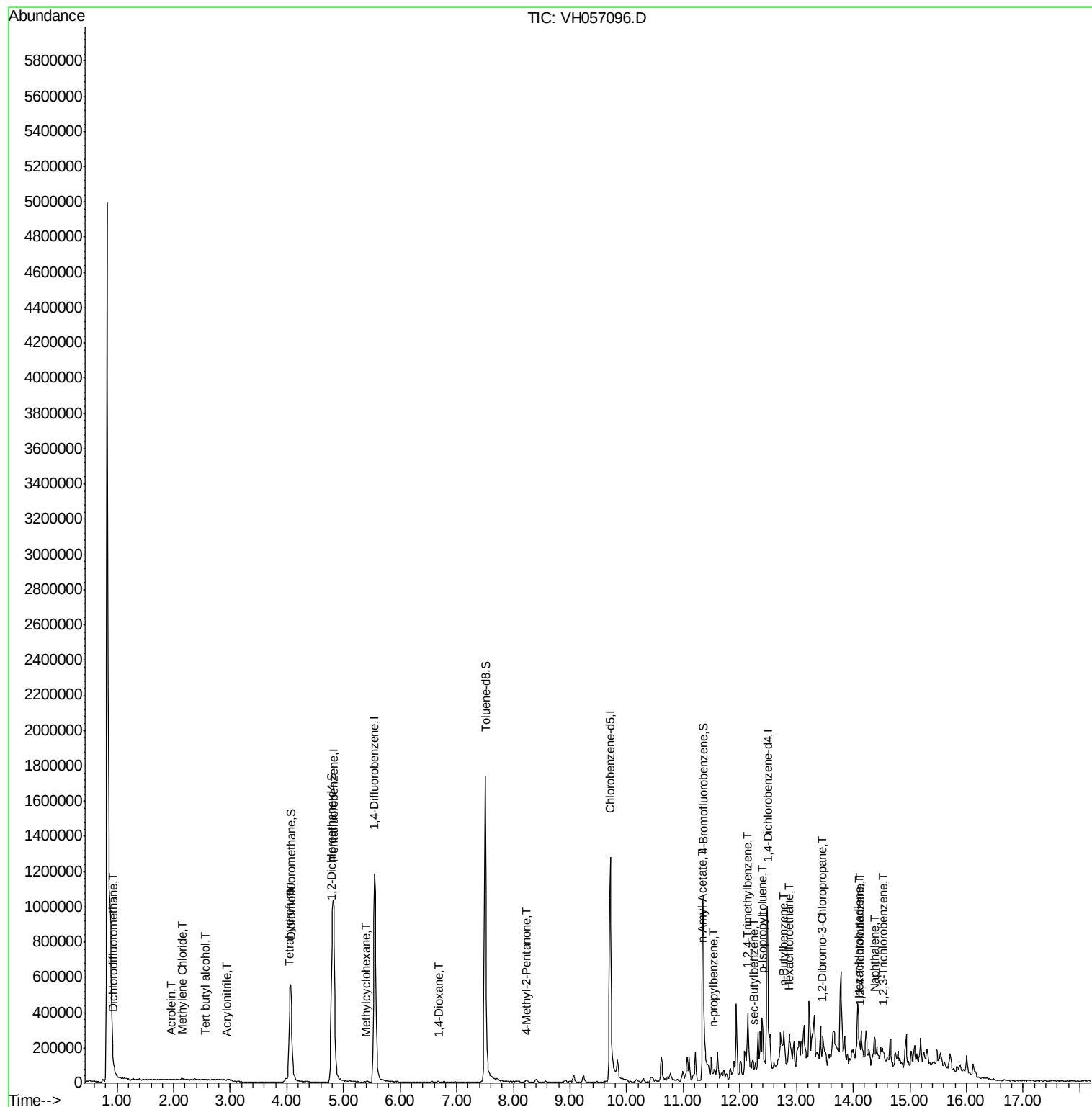
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	695	0.74	ug/l	# 43
5) Bromomethane	1.23	94	2908	Below	Cal	# 1
8) Tert butyl alcohol	2.56	59	743	0.27	ug/l	# 73
13) Acrolein	1.96	56	977	0.59	ug/l	# 84
15) Acrylonitrile	2.93	53	1184	0.24	ug/l	# 70
17) Acetone	2.21	43	5732	Below	Cal	# 89
21) Methylene Chloride	2.15	84	2784	0.32	ug/l	# 59
31) Tetrahydrofuran	4.05	42	1605	0.20	ug/l	# 70
44) Methylcyclohexane	5.40	83	2610	0.28	ug/l	# 56
49) 4-Methyl-2-Pentanone	8.23	43	10448	0.44	ug/l	# 55
53) 1,4-Dioxane	6.67	88	5699	40.45	ug/l	# 72
74) n-Amyl Acetate	11.34	43	5867	0.21	ug/l	# 1
78) n-propylbenzene	11.54	91	9536	0.34	ug/l	# 95
84) 1,2,4-Trimethylbenzene	12.14	105	56444	3.15	ug/l	# 98
85) sec-Butylbenzene	12.24	105	14125	0.81	ug/l	# 86
86) p-Isopropyltoluene	12.39	119	12537	0.94	ug/l	# 96
89) n-Butylbenzene	12.77	91	19077	1.79	ug/l	# 94
90) Hexachloroethane	12.87	117	1860	0.66	ug/l	# 29
92) 1,2-Dibromo-3-Chloropropan	13.45	75	439	0.28	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.12	180	5376	6.48	ug/l	# 72
94) Hexachlorobutadiene	14.11	225	2730	3.24	ug/l	# 81
95) Naphthalene	14.38	128	65256	12.82	ug/l	# 94
96) 1,2,3-Trichlorobenzene	14.52	180	9670	12.66	ug/l	# 78

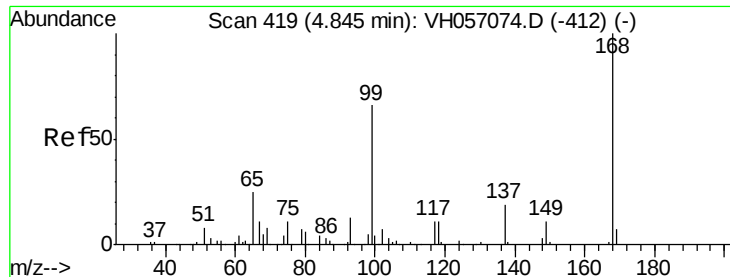
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092115\
Data File : VH057096.D
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Instrument :
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ClientSampleId :
TRENCH-1-2MEDL

Quant Time: Sep 22 04:40:16 2015
Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:34:01 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 418

Delta R.T. -0.02 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

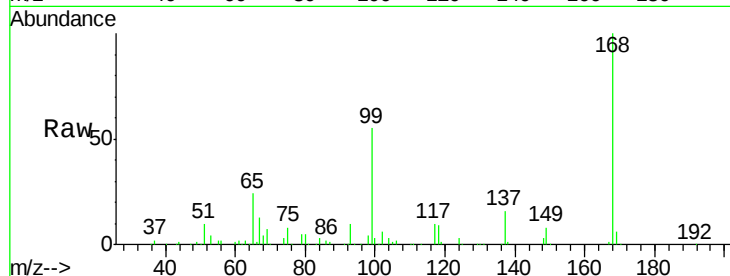
TRENCH-1-2MEDL

Tgt Ion:168 Resp: 857528

Ion Ratio Lower Upper

168 100

99 55.1 55.8 83.6#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0

4.82

300000

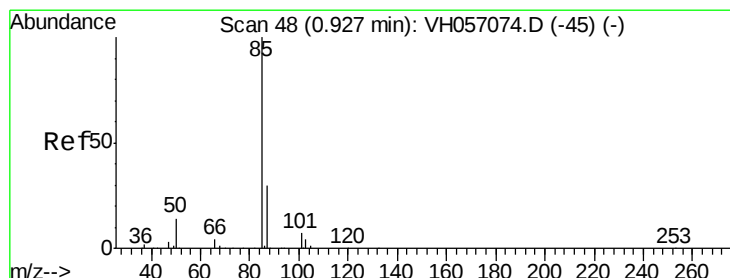
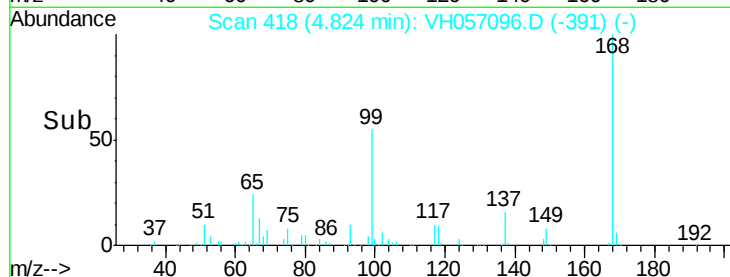
200000

100000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 0.74 ug/l

RT: 0.93 min Scan# 48

Delta R.T. 0.00 min

Lab File: VH057096.D

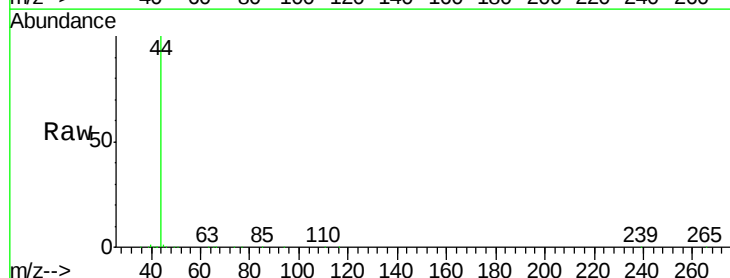
Acq: 21 Sep 2015 17:36

Tgt Ion: 85 Resp: 695

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

0.93

500

400

300

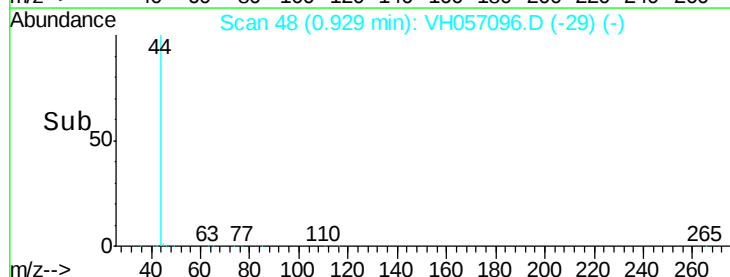
200

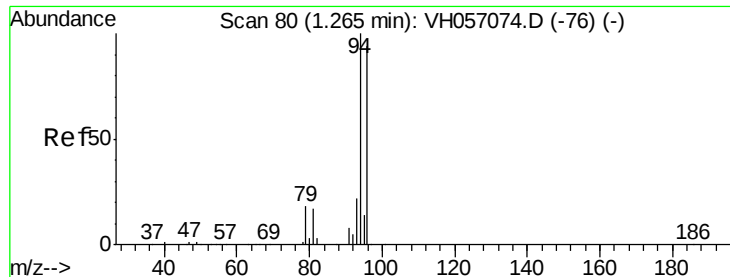
100

0

0.90 0.95

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.23 min Scan# 76

Delta R.T. -0.04 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

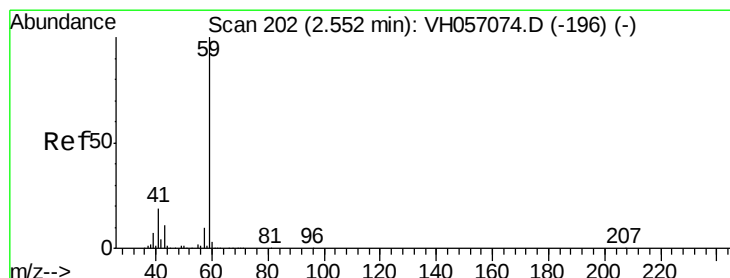
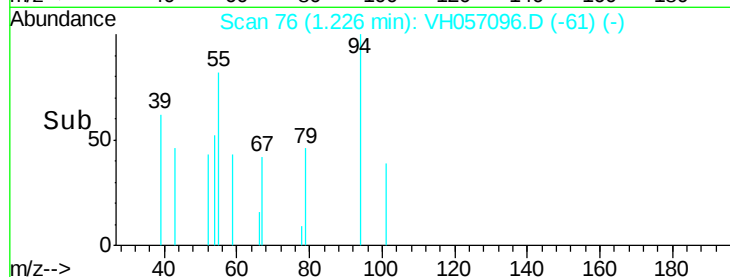
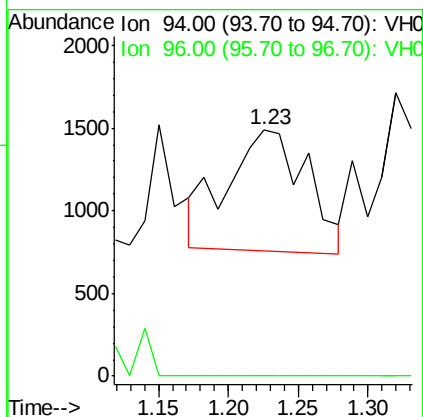
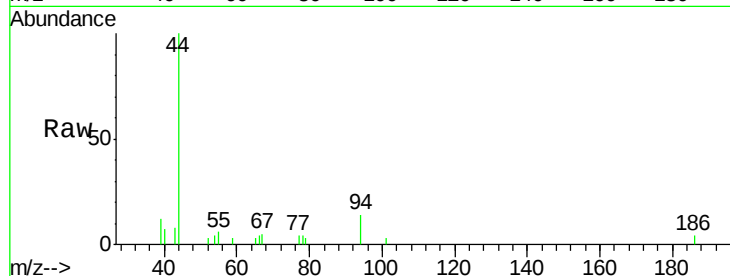
TRENCH-1-2MEDL

Tgt Ion: 94 Resp: 2908

Ion Ratio Lower Upper

94 100

96 0.0 78.5 117.7#



#8

Tert butyl alcohol

Concen: 0.27 ug/l

RT: 2.56 min Scan# 203

Delta R.T. 0.01 min

Lab File: VH057096.D

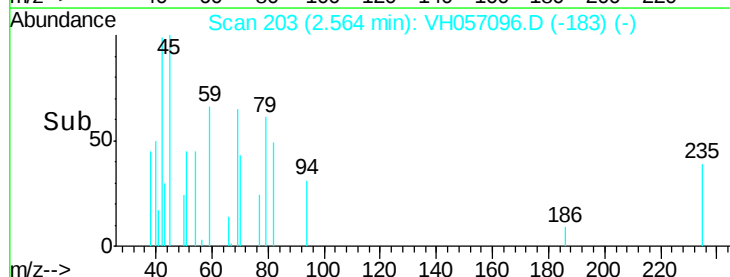
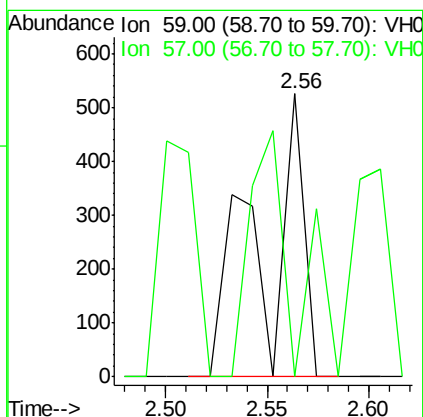
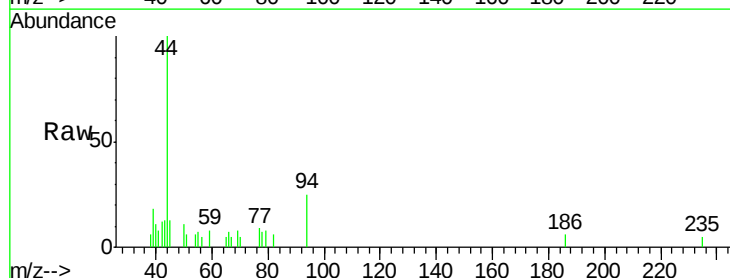
Acq: 21 Sep 2015 17:36

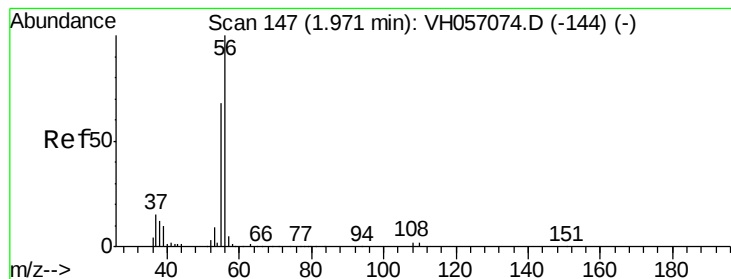
Tgt Ion: 59 Resp: 743

Ion Ratio Lower Upper

59 100

57 0.0 9.0 11.0#





#13

Acrolein

Concen: 0.59 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.01 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

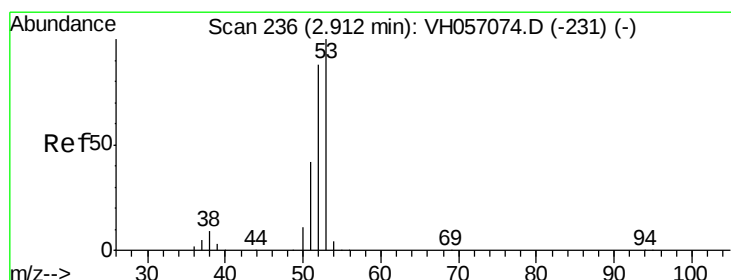
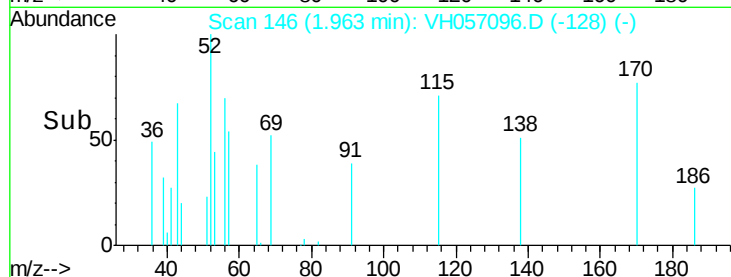
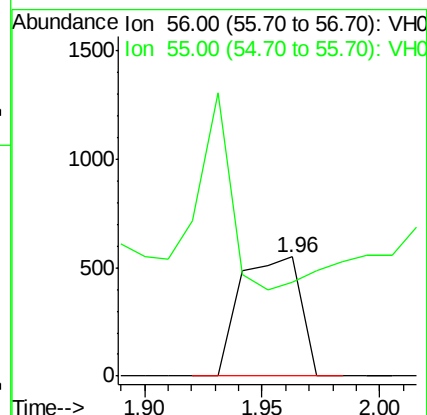
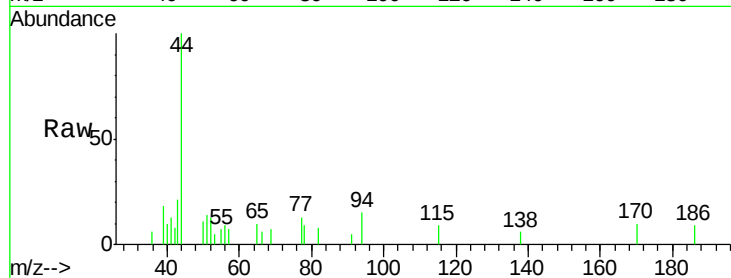
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2MEDL

Tgt Ion: 56 Resp: 977

Ion Ratio Lower Upper

56 100

55 79.1 52.9 79.3



#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 2.93 min Scan# 238

Delta R.T. 0.02 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

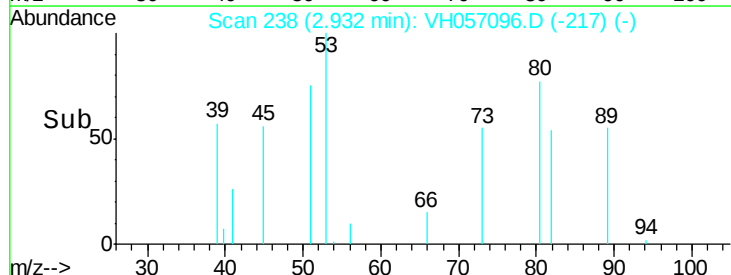
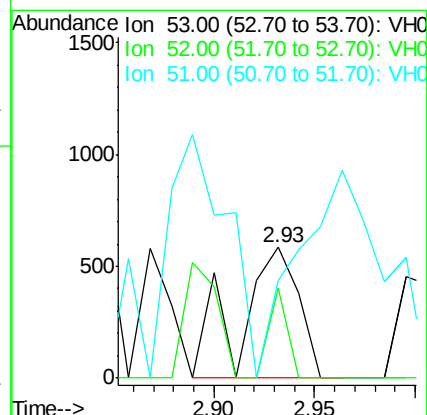
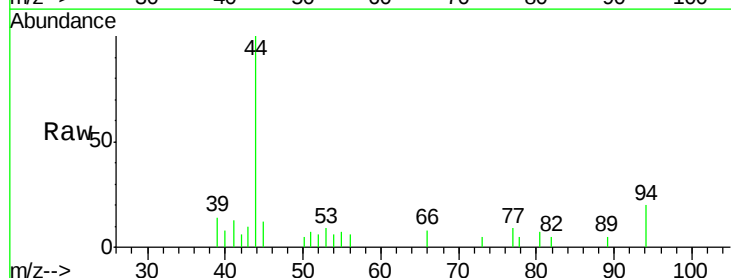
Tgt Ion: 53 Resp: 1184

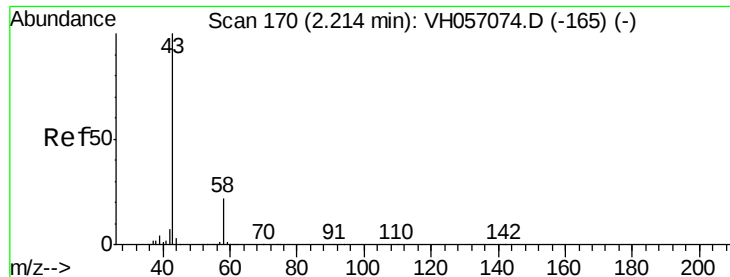
Ion Ratio Lower Upper

53 100

52 69.3 67.6 101.4

51 74.6 31.8 47.6#





#17

Acetone

Concen: Below Cal

RT: 2.21 min Scan# 169

Delta R.T. -0.01 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

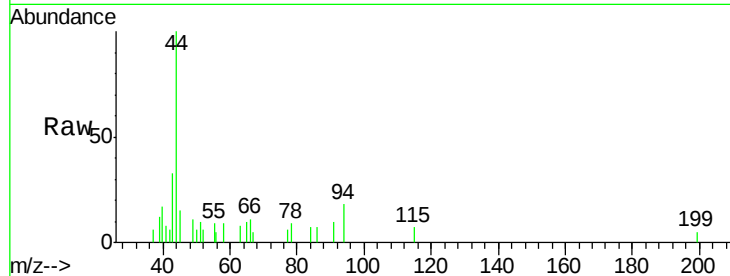
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2MEDL

Tgt Ion: 43 Resp: 5732

Ion Ratio Lower Upper

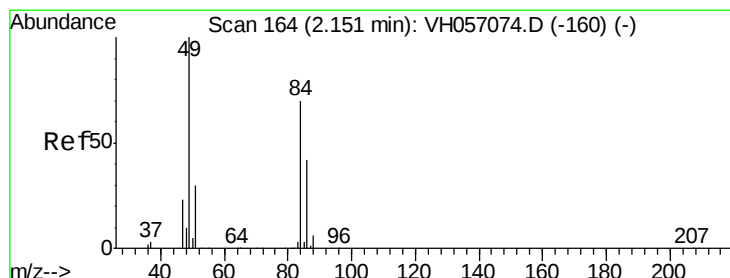
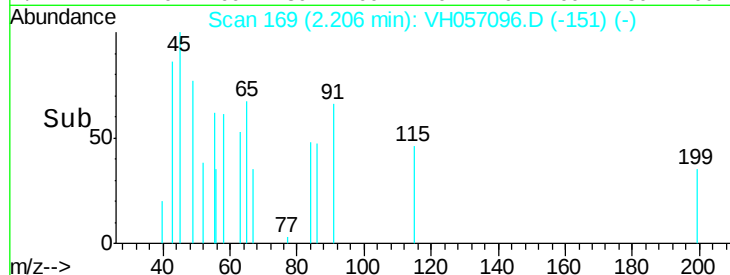
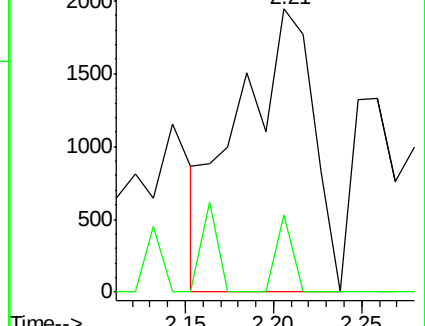
43 100

58 27.5 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VH0

Ion 58.00 (57.70 to 58.70): VH0



#21

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.15 min Scan# 164

Delta R.T. 0.00 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Tgt Ion: 84 Resp: 2784

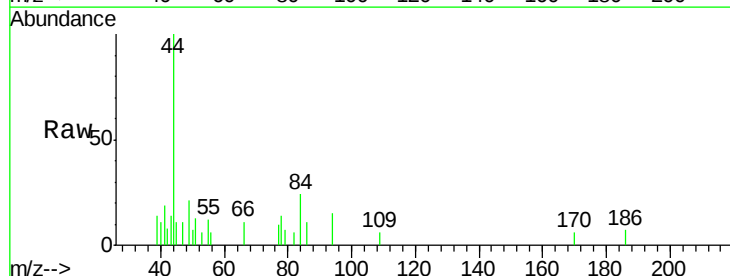
Ion Ratio Lower Upper

84 100

49 87.0 132.8 199.2#

51 53.3 39.5 59.3

86 47.3 51.4 77.2#

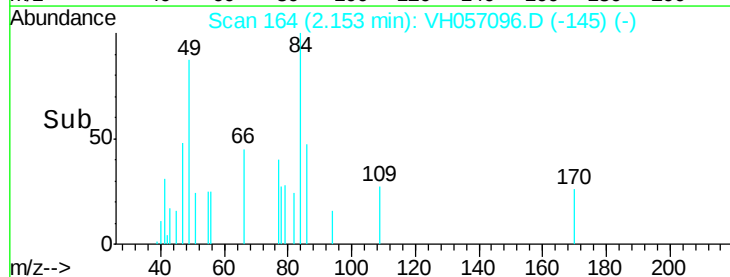
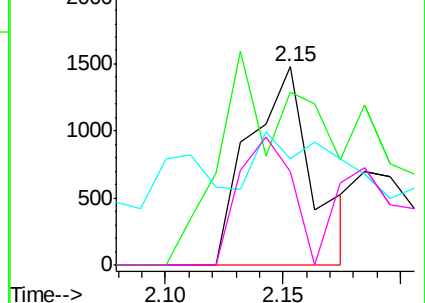


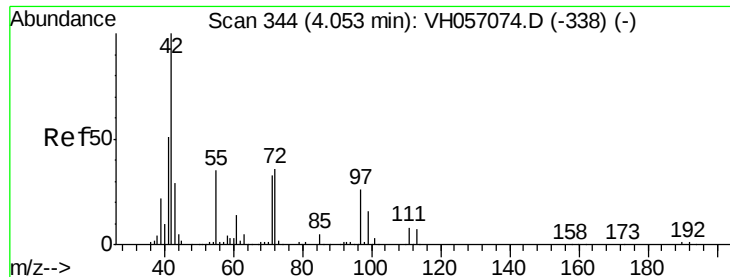
Abundance Ion 84.00 (83.70 to 84.70): VH0

Ion 49.00 (48.70 to 49.70): VH0

Ion 51.00 (50.70 to 51.70): VH0

Ion 86.00 (85.70 to 86.70): VH0

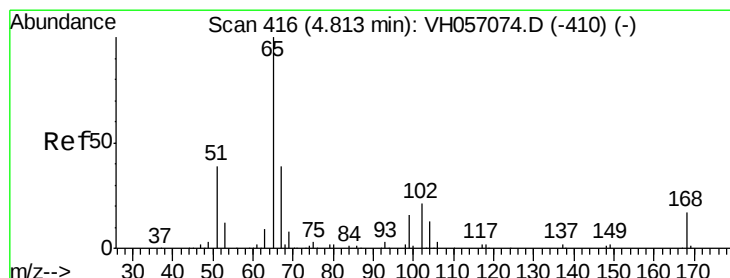
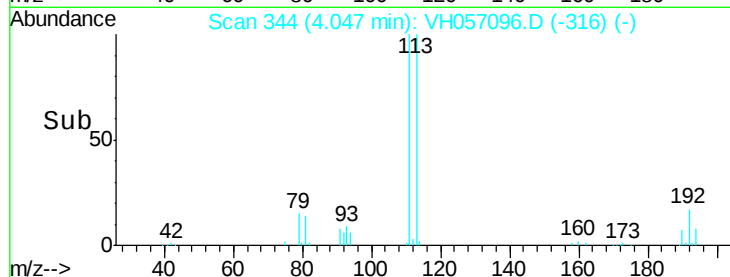
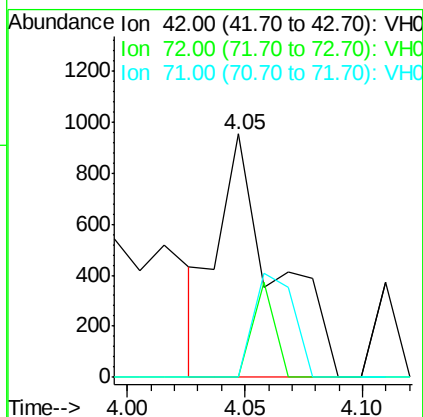
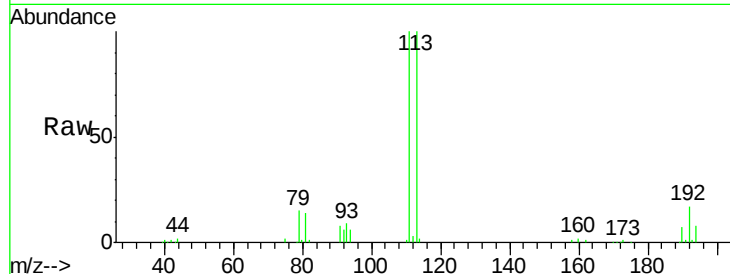




#31
Tetrahydrofuran
Concen: 0.20 ug/l
RT: 4.05 min Scan# 344
Delta R.T. -0.01 min
Lab File: VH057096.D
Acq: 21 Sep 2015 17:36

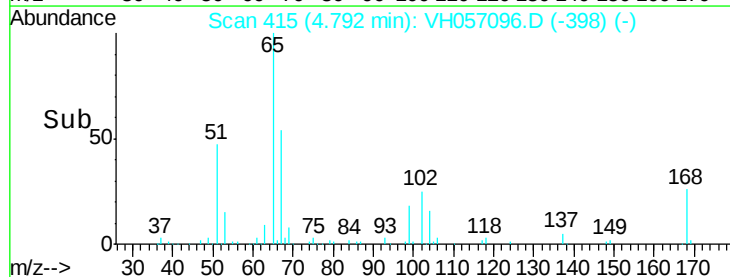
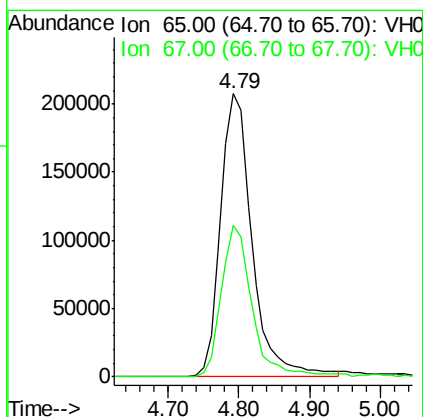
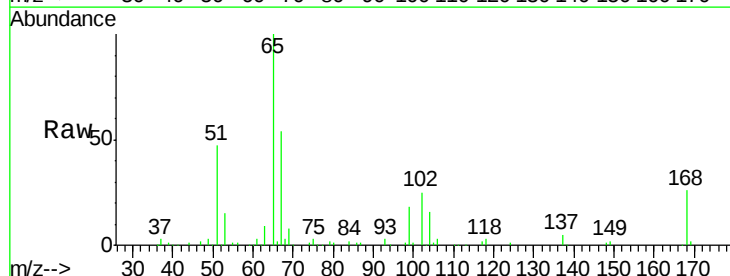
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2MEDL

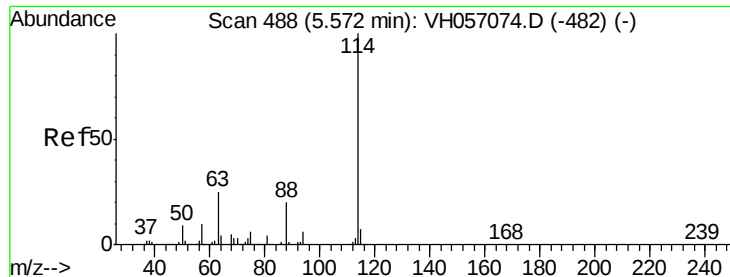
Tgt Ion: 42 Resp: 1605
Ion Ratio Lower Upper
42 100
72 0.0 25.5 38.3#
71 30.0 25.4 38.0



#33
1,2-Dichloroethane-d4
Concen: 41.90 ug/l
RT: 4.79 min Scan# 415
Delta R.T. -0.02 min
Lab File: VH057096.D
Acq: 21 Sep 2015 17:36

Tgt Ion: 65 Resp: 641680
Ion Ratio Lower Upper
65 100
67 53.6 43.2 64.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 487

Delta R.T. -0.02 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2MEDL

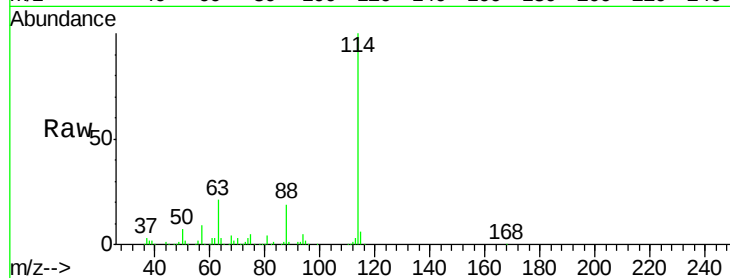
Tgt Ion:114 Resp: 1463271

Ion Ratio Lower Upper

114 100

63 21.2 19.0 28.4

88 18.5 15.7 23.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): V

Ion 88.00 (87.70 to 88.70): V

600000

400000

200000

0

5.55

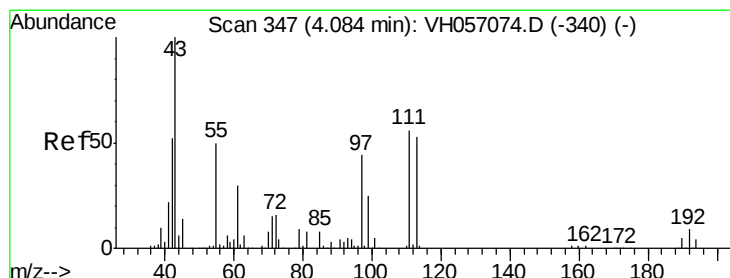
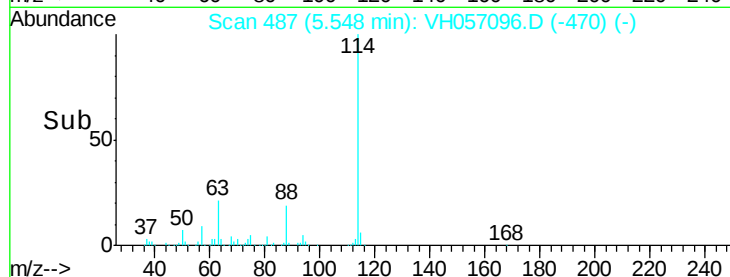
5.40

5.50

5.60

5.70

Time-->



#35

Dibromofluoromethane

Concen: 50.81 ug/l

RT: 4.07 min Scan# 346

Delta R.T. -0.02 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

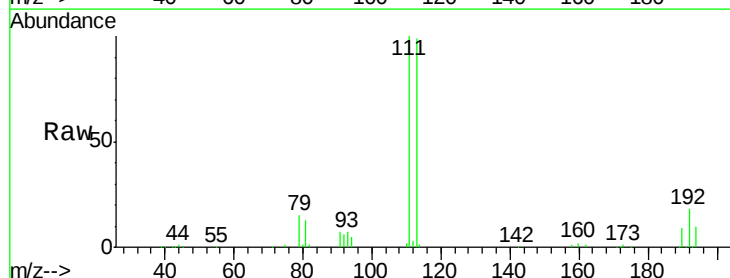
Tgt Ion:113 Resp: 591940

Ion Ratio Lower Upper

113 100

111 101.3 84.0 126.0

192 18.3 13.6 20.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

250000

200000

150000

100000

50000

0

4.07

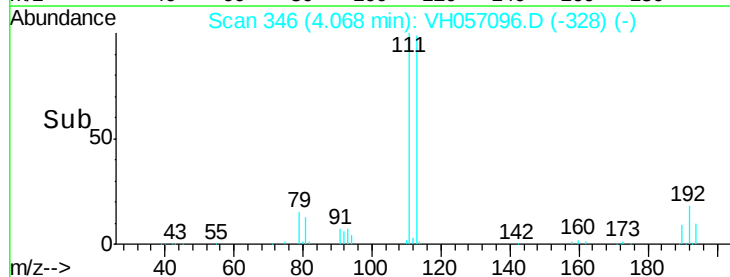
3.90

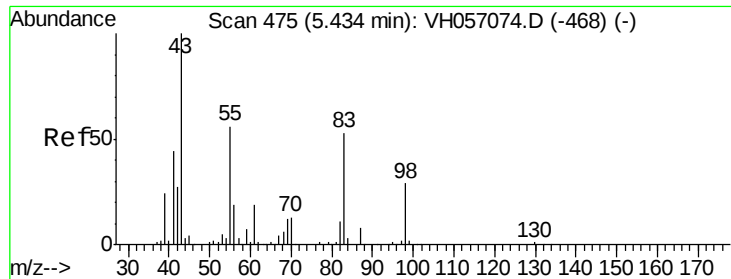
4.00

4.10

4.20

Time-->





#44

Methylcyclohexane

Concen: 0.28 ug/l

RT: 5.40 min Scan# 473

Delta R.T. -0.03 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2MEDL

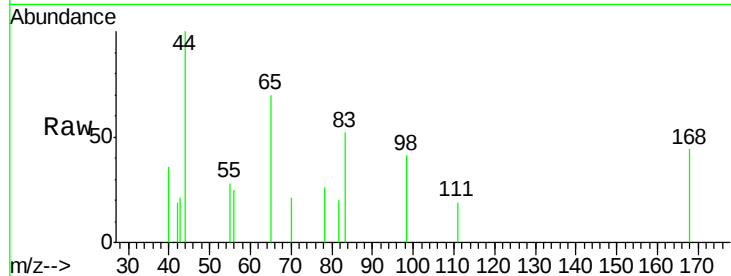
Tgt Ion: 83 Resp: 2610

Ion Ratio Lower Upper

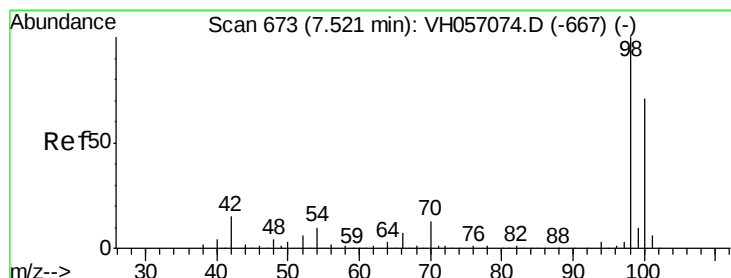
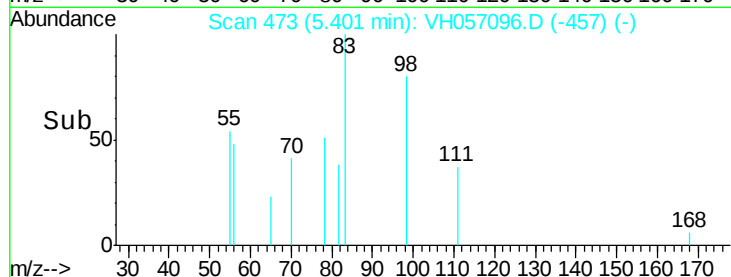
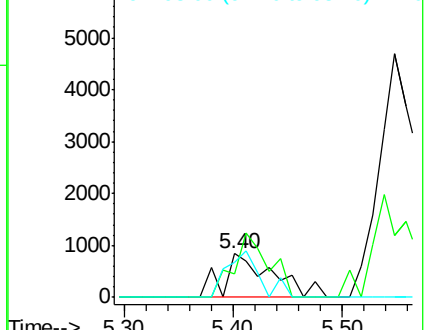
83 100

55 54.4 0.0 207.2

98 79.8 0.0 108.4



Abundance Ion 83.00 (82.70 to 83.70): VH0
Ion 55.00 (54.70 to 55.70): VH0
Ion 98.00 (97.70 to 98.70): VH0



#48

Toluene-d8

Concen: 49.11 ug/l

RT: 7.50 min Scan# 673

Delta R.T. -0.02 min

Lab File: VH057096.D

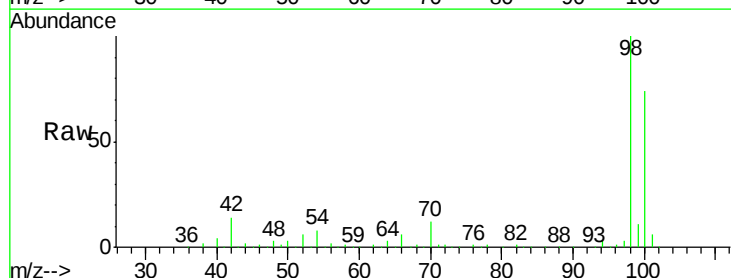
Acq: 21 Sep 2015 17:36

Tgt Ion: 98 Resp: 1645189

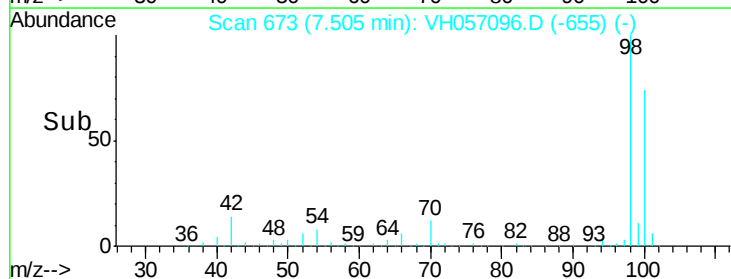
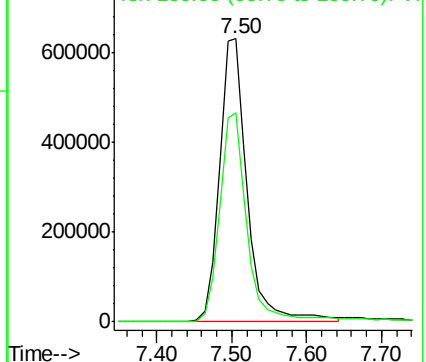
Ion Ratio Lower Upper

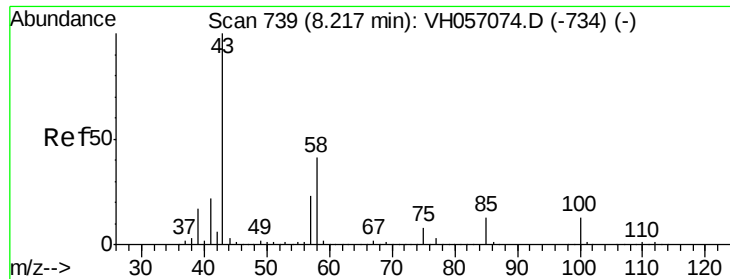
98 100

100 73.8 56.7 85.1



Abundance Ion 98.00 (97.70 to 98.70): VH0
Ion 100.00 (99.70 to 100.70): VH0

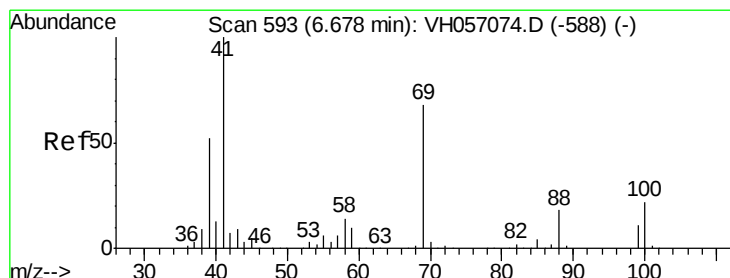
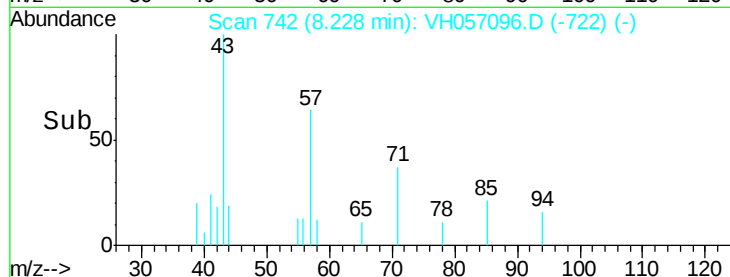
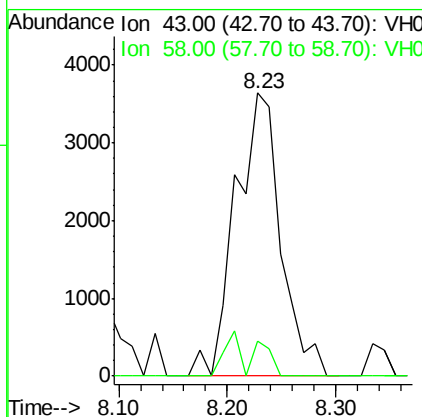
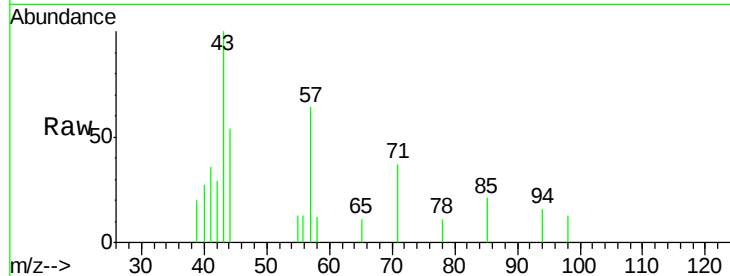




#49
 4-Methyl-2-Pentanone
 Concen: 0.44 ug/l
 RT: 8.23 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

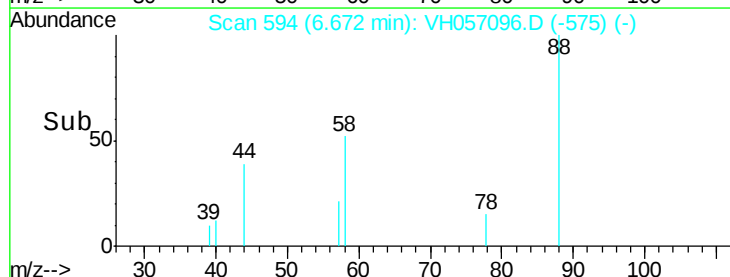
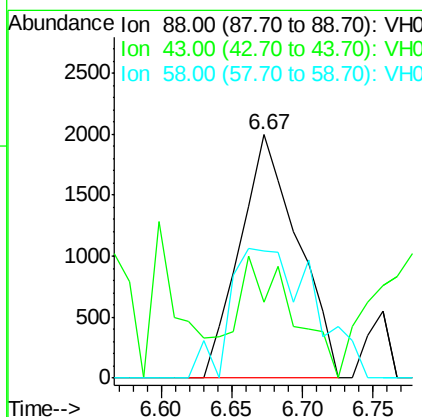
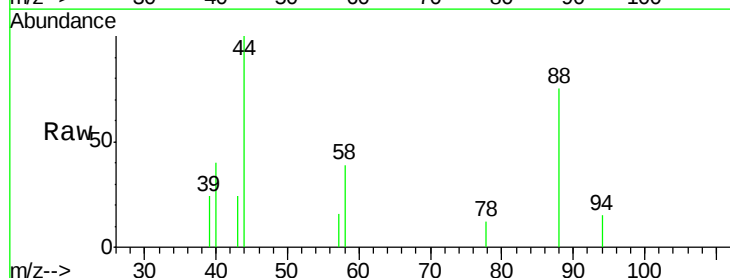
Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

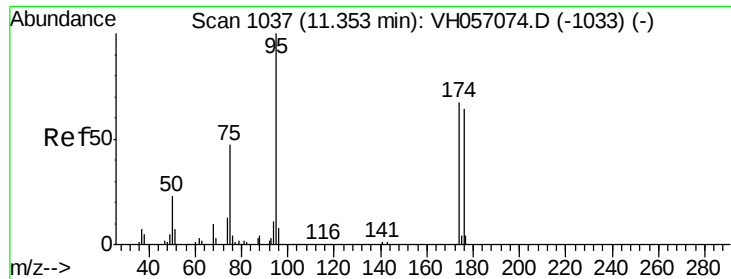
Tgt Ion: 43 Resp: 10448
 Ion Ratio Lower Upper
 43 100
 58 12.4 20.0 60.0#



#53
 1,4-Dioxane
 Concen: 40.45 ug/l
 RT: 6.67 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

Tgt Ion: 88 Resp: 5699
 Ion Ratio Lower Upper
 88 100
 43 31.3 39.6 59.4#
 58 52.4 61.4 92.2#





#62

4-Bromofluorobenzene

Concen: 47.36 ug/l

RT: 11.35 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2MEDL

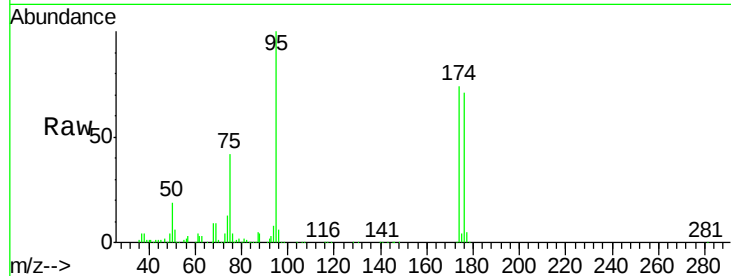
Tgt Ion: 95 Resp: 535067

Ion Ratio Lower Upper

95 100

174 74.2 58.4 87.6

176 70.9 54.3 81.5

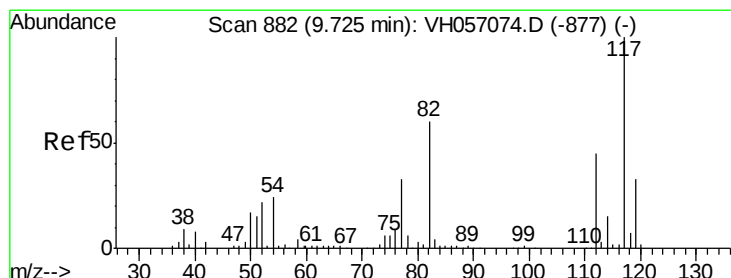
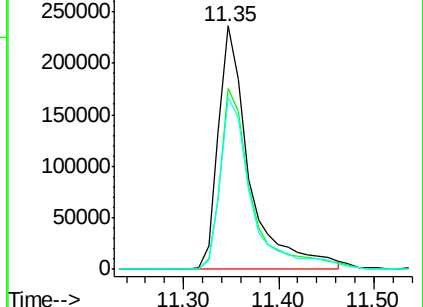
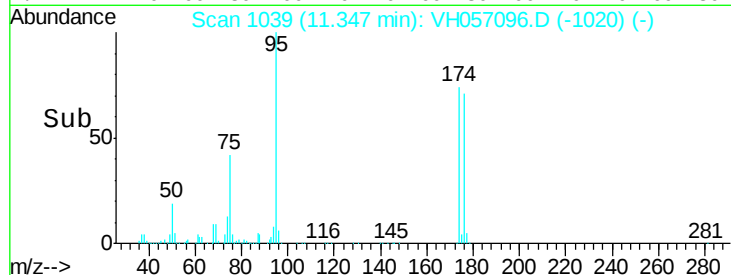


Abundance Ion 95.00 (94.70 to 95.70): VH057074.D (-1033) (-)

Ion 174.00 (173.70 to 174.70): VH057074.D (-1033) (-)

Ion 176.00 (175.70 to 176.70): VH057074.D (-1033) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 883

Delta R.T. -0.02 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

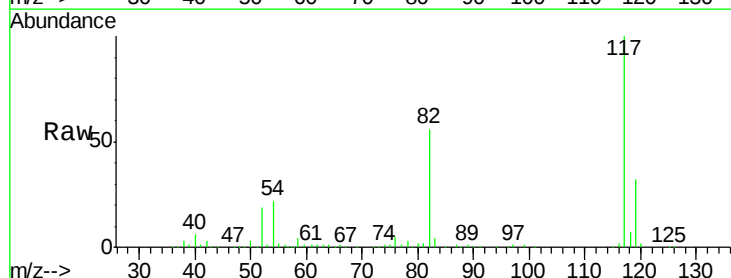
Tgt Ion: 117 Resp: 1090991

Ion Ratio Lower Upper

117 100

82 56.0 51.0 76.6

119 31.6 26.7 40.1

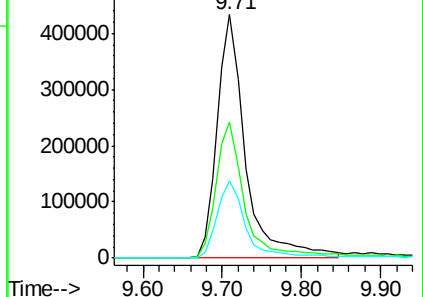
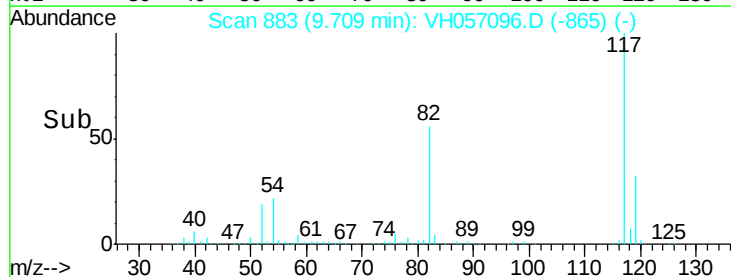


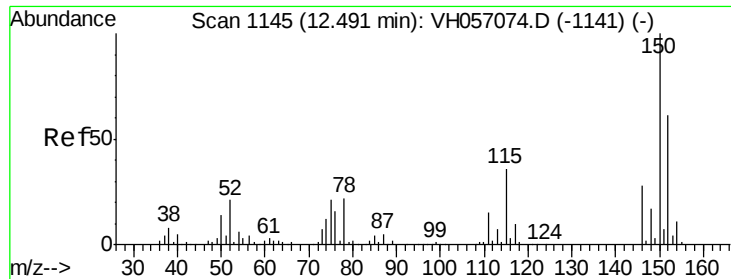
Abundance Ion 117.00 (116.70 to 117.70): VH057074.D (-877) (-)

Ion 82.00 (81.70 to 82.70): VH057074.D (-877) (-)

Ion 119.00 (118.70 to 119.70): VH057074.D (-877) (-)

Time-->

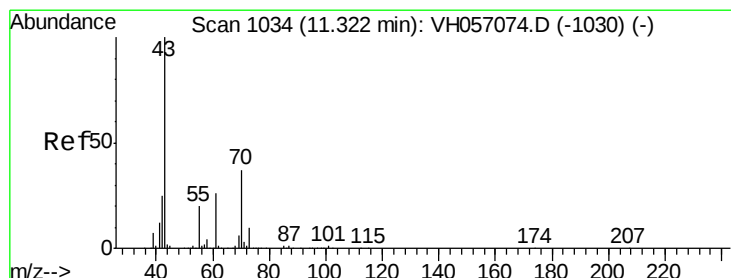
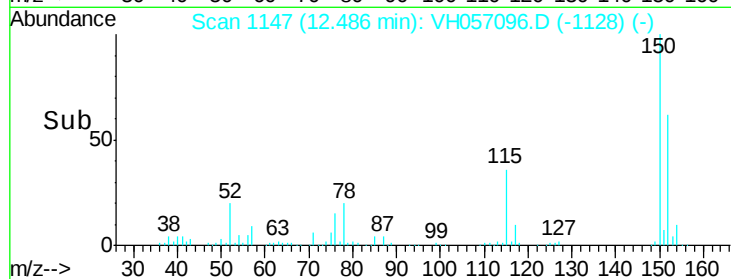
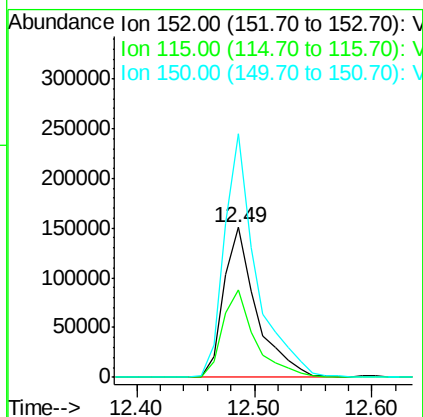
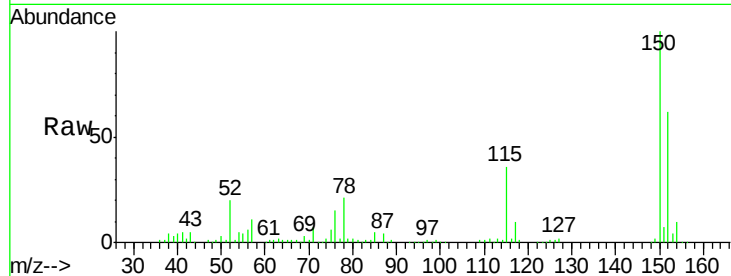




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.49 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

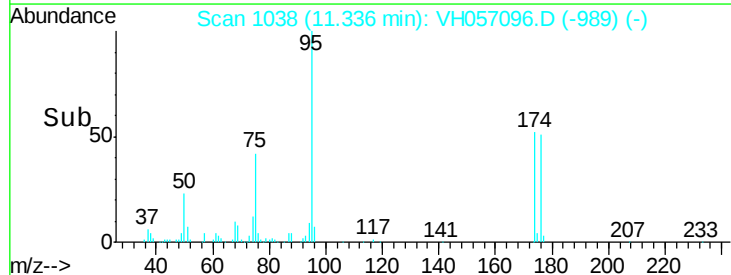
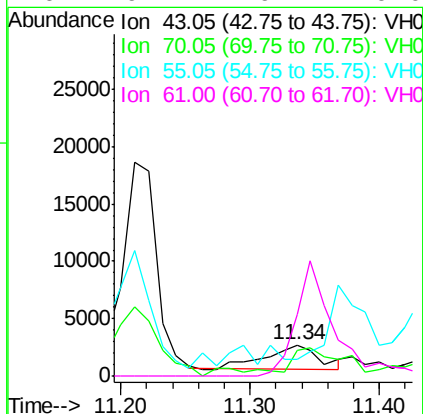
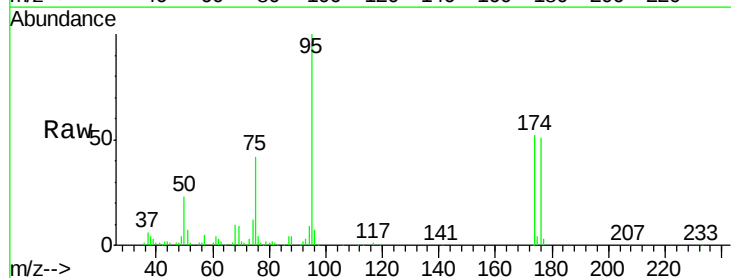
Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

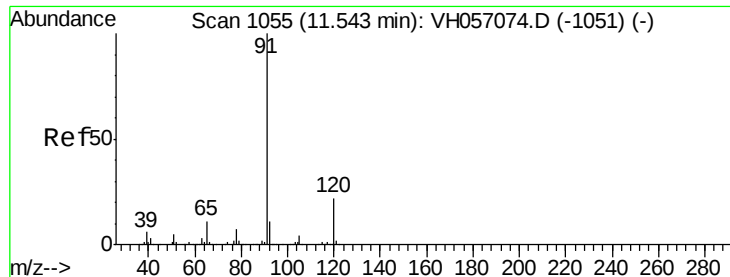
Tgt Ion:152 Resp: 291158
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.2 84.6
 150 162.5 0.0 332.0



#74
 n-Amyl Acetate
 Concen: 0.21 ug/l
 RT: 11.34 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

Tgt Ion: 43 Resp: 5867
 Ion Ratio Lower Upper
 43 100
 70 84.3 27.3 40.9#
 55 55.1 15.3 22.9#
 61 197.1 19.4 29.0#





#78

n-propylbenzene

Concen: 0.34 ug/l

RT: 11.54 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

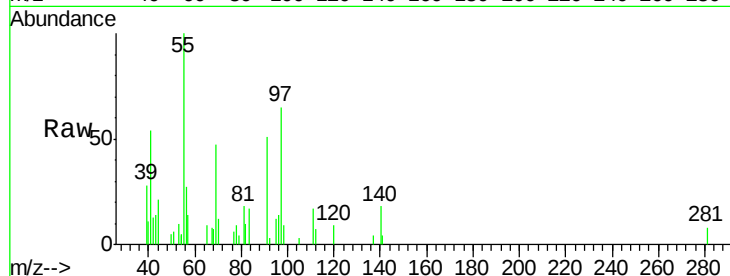
TRENCH-1-2MEDL

Tgt Ion: 91 Resp: 9536

Ion Ratio Lower Upper

91 100

120 18.0 10.2 30.6

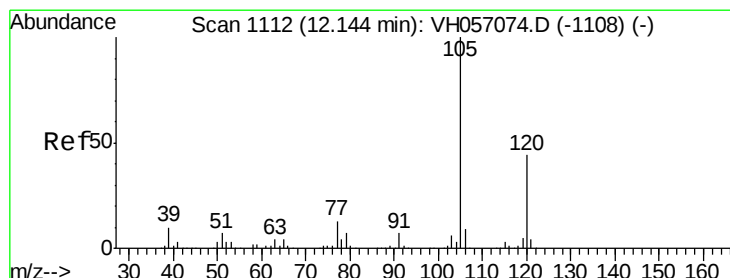
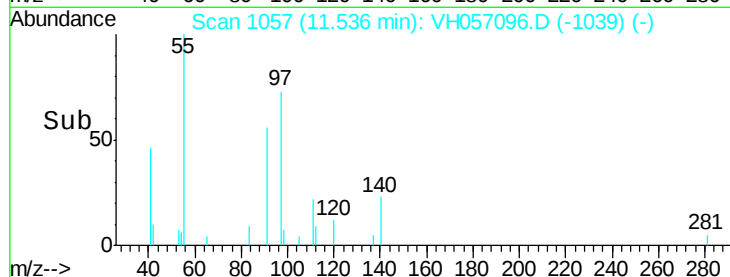


Abundance Ion 91.00 (90.70 to 91.70): VH057074.D (-1051) (-)

Ion 120.00 (119.70 to 120.70): VH057074.D (-1051) (-)

11.54

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 3.15 ug/l

RT: 12.14 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VH057096.D

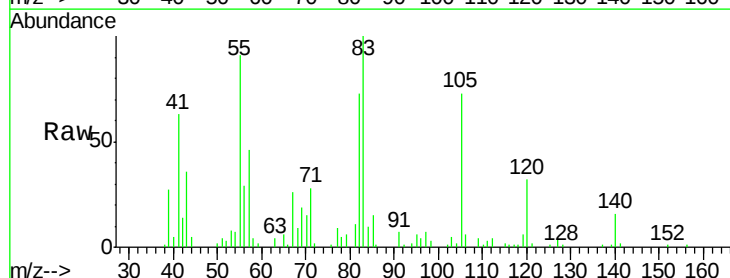
Acq: 21 Sep 2015 17:36

Tgt Ion: 105 Resp: 56444

Ion Ratio Lower Upper

105 100

120 44.0 22.6 67.7

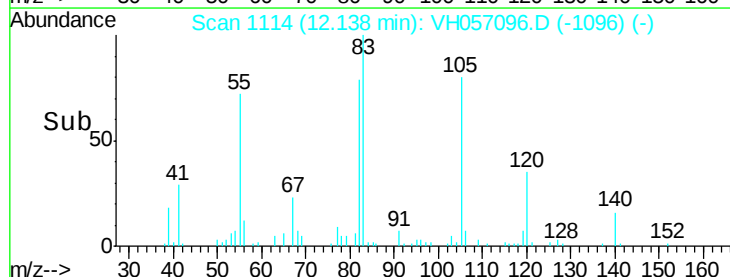


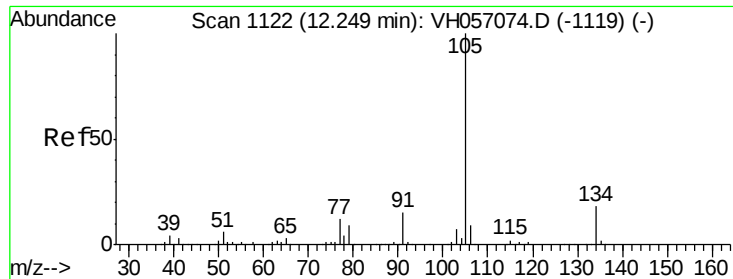
Abundance Ion 105.00 (104.70 to 105.70): VH057074.D (-1108) (-)

Ion 120.00 (119.70 to 120.70): VH057074.D (-1108) (-)

12.14

Time-->

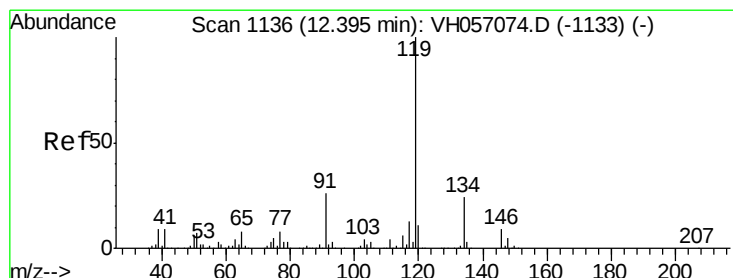
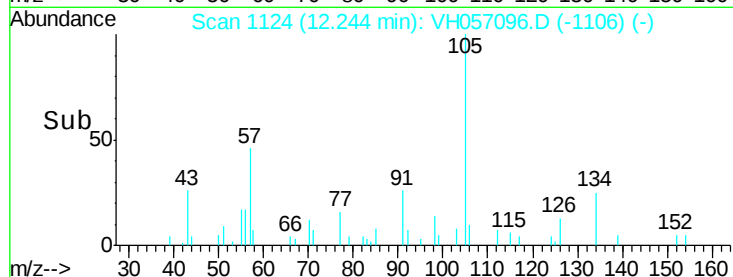
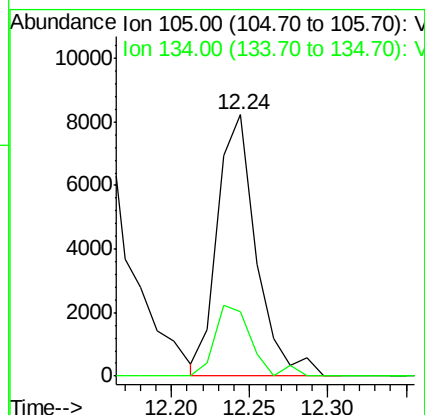
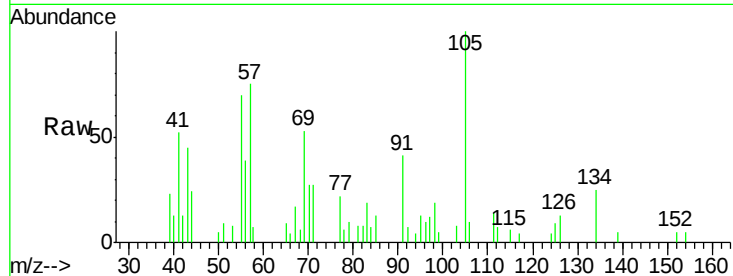




#85
 sec-Butylbenzene
 Concen: 0.81 ug/l
 RT: 12.24 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

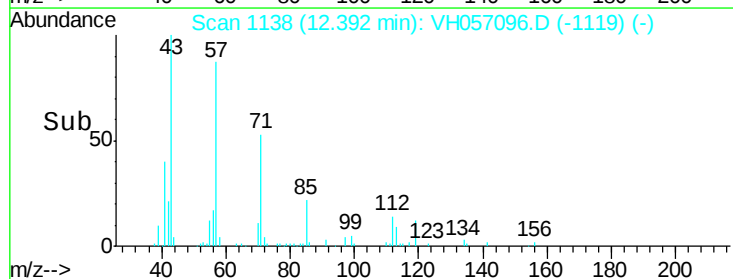
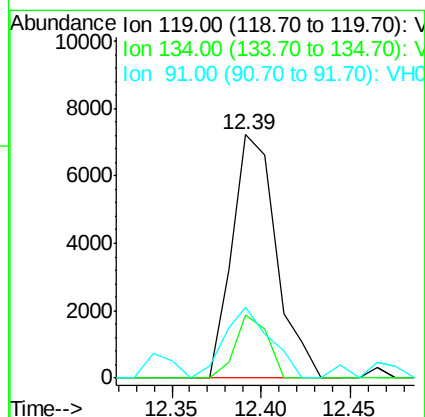
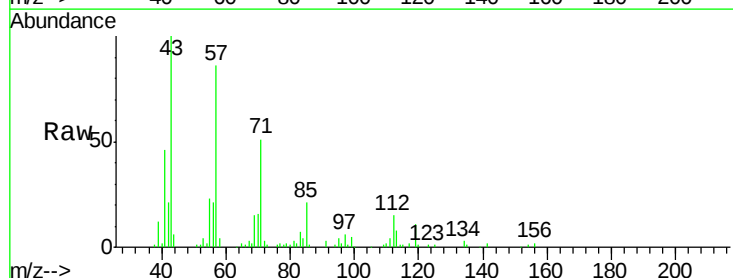
Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

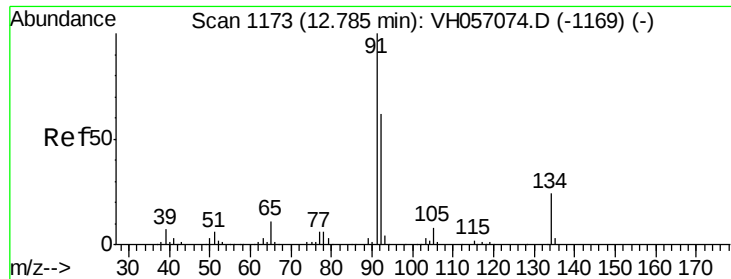
Tgt Ion:105 Resp: 14125
 Ion Ratio Lower Upper
 105 100
 134 24.6 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 0.94 ug/l
 RT: 12.39 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

Tgt Ion:119 Resp: 12537
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 29.1 12.5 37.5

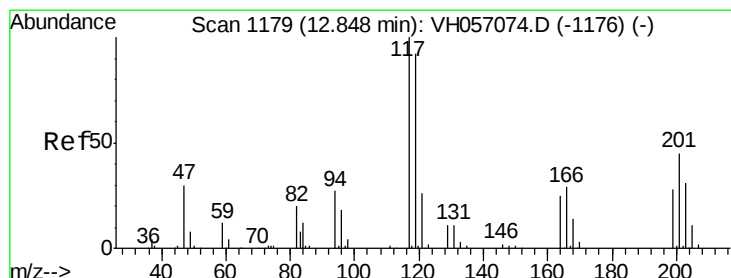
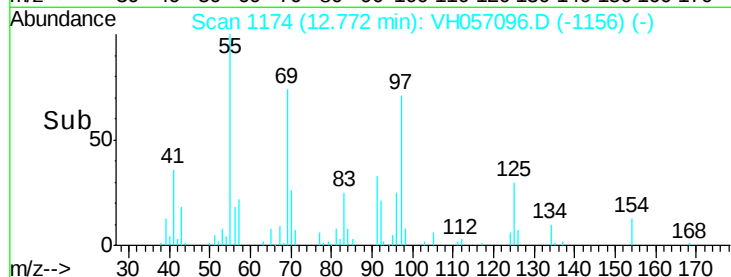
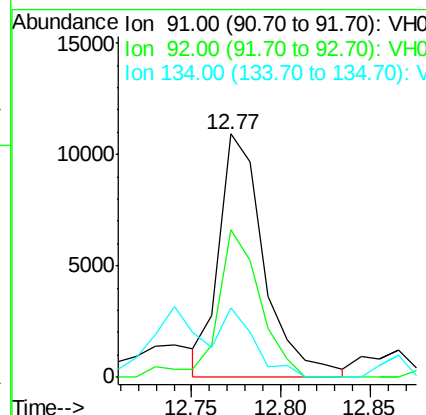
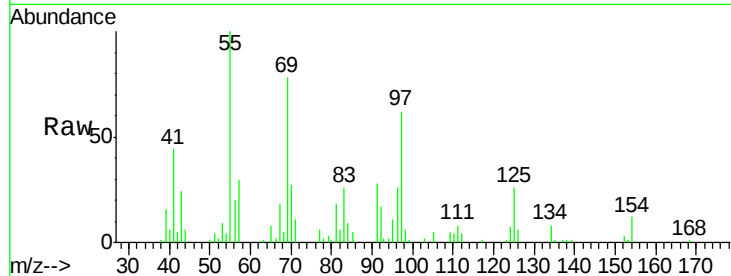




#89
n-Butylbenzene
Concen: 1.79 ug/l
RT: 12.77 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VH057096.D
Acq: 21 Sep 2015 17:36

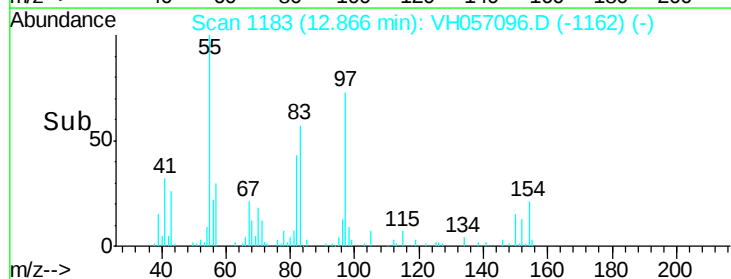
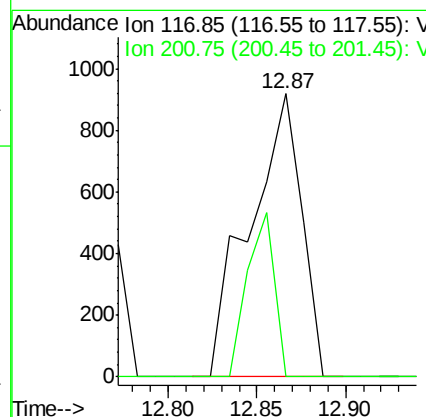
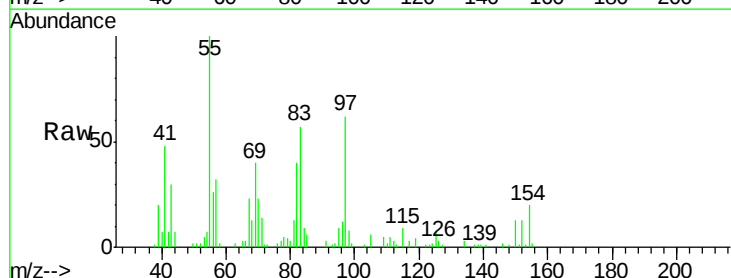
Instrument :
MSVOA_H
ClientSampleId :
TRENCH-1-2MEDL

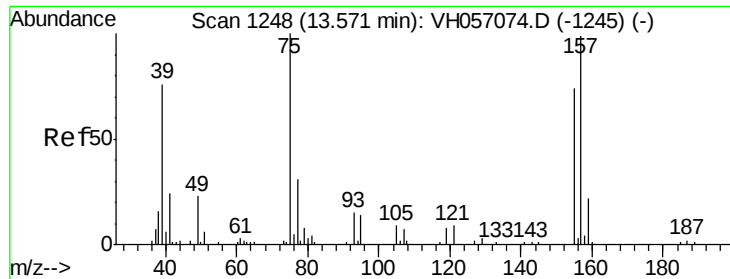
Tgt Ion: 91 Resp: 19077
Ion Ratio Lower Upper
91 100
92 60.7 31.3 93.9
134 28.4 10.5 31.6



#90
Hexachloroethane
Concen: 0.66 ug/l
RT: 12.87 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VH057096.D
Acq: 21 Sep 2015 17:36

Tgt Ion: 117 Resp: 1860
Ion Ratio Lower Upper
117 100
201 0.0 14.0 80.8#

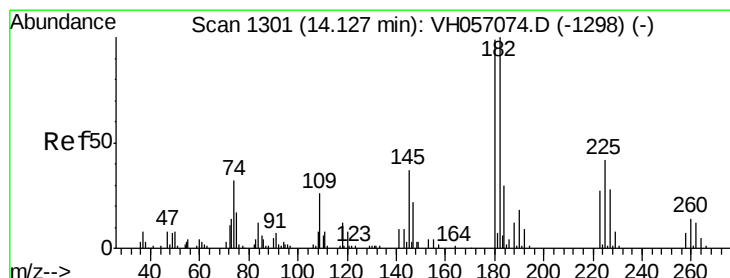
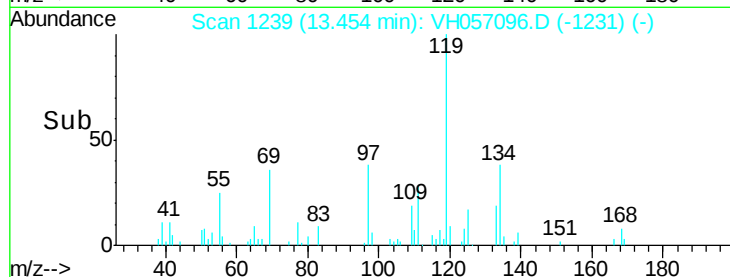
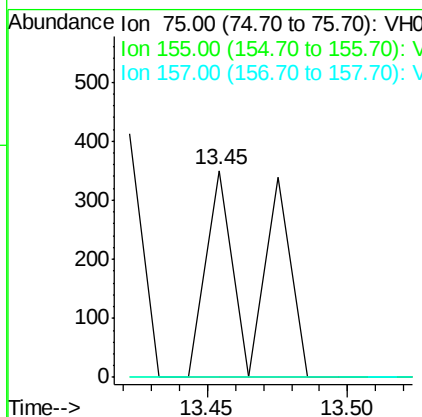
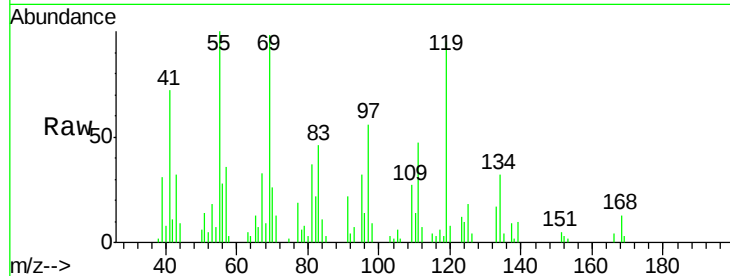




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.28 ug/l
 RT: 13.45 min Scan# 1239
 Delta R.T. -0.12 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

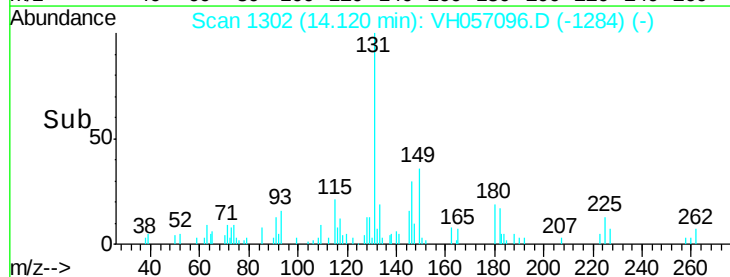
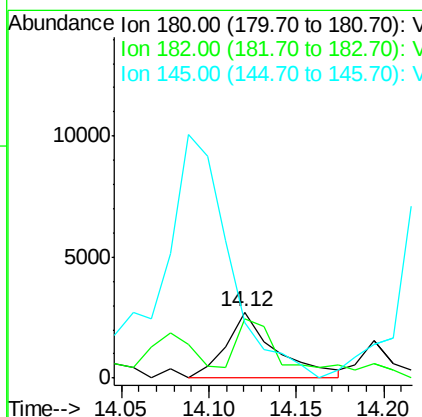
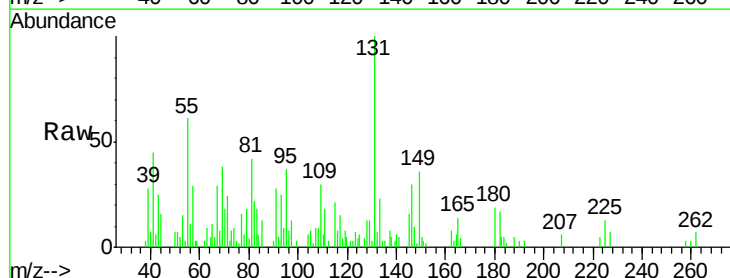
Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

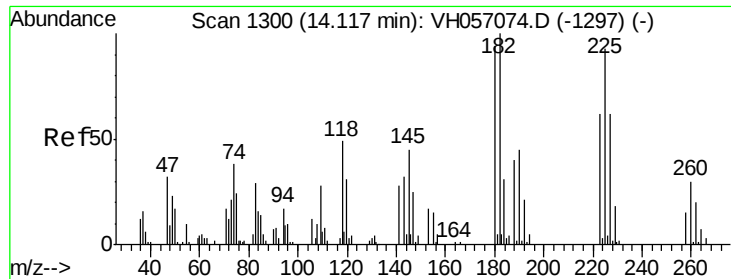
Tgt Ion: 75 Resp: 439
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.4 130.2#
 157 0.0 62.8 188.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 6.48 ug/l
 RT: 14.12 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

Tgt Ion: 180 Resp: 5376
 Ion Ratio Lower Upper
 180 100
 182 89.9 43.0 129.2
 145 84.6 17.3 52.0#





#94

Hexachlorobutadiene

Concen: 3.24 ug/l

RT: 14.11 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

Instrument :

MSVOA_H

ClientSampleId :

TRENCH-1-2MEDL

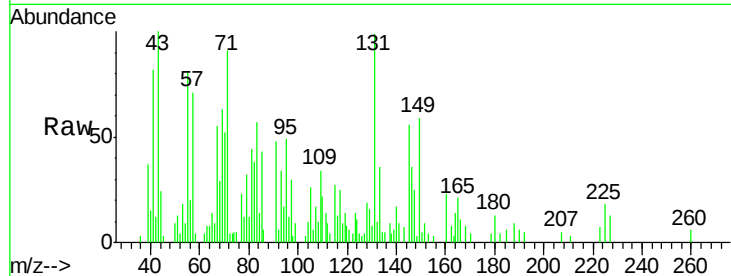
Tgt Ion:225 Resp: 2730

Ion Ratio Lower Upper

225 100

223 40.8 30.3 90.8

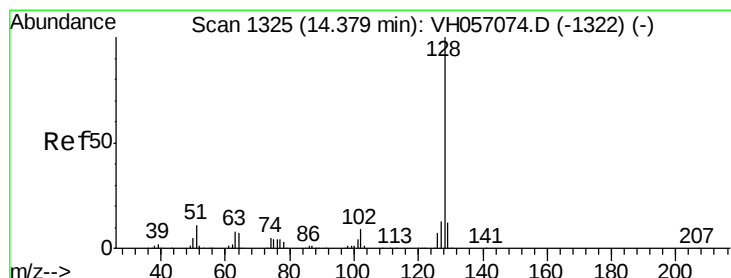
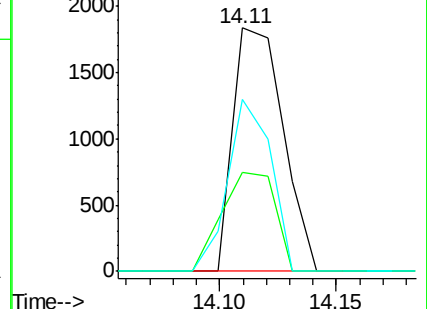
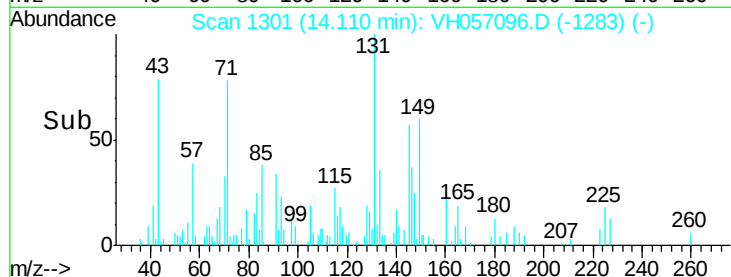
227 70.4 30.5 91.5



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 12.82 ug/l

RT: 14.38 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VH057096.D

Acq: 21 Sep 2015 17:36

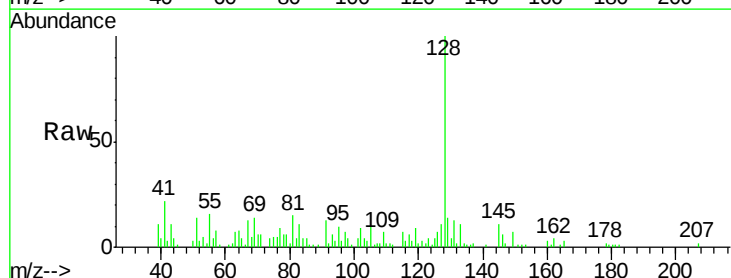
Tgt Ion:128 Resp: 65256

Ion Ratio Lower Upper

128 100

127 10.6 9.6 14.4

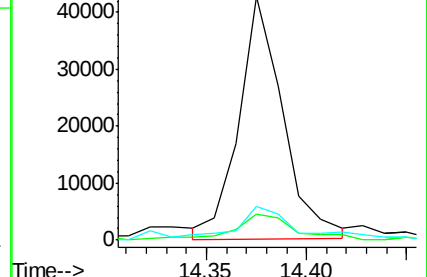
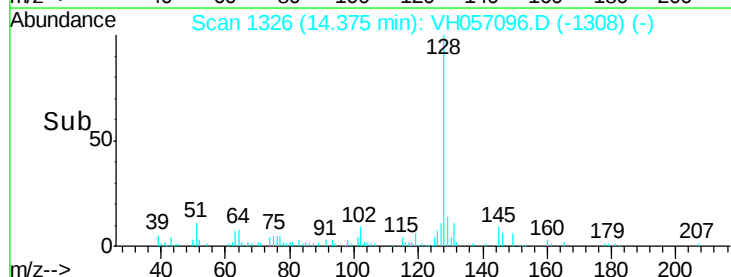
129 14.1 8.7 13.1#

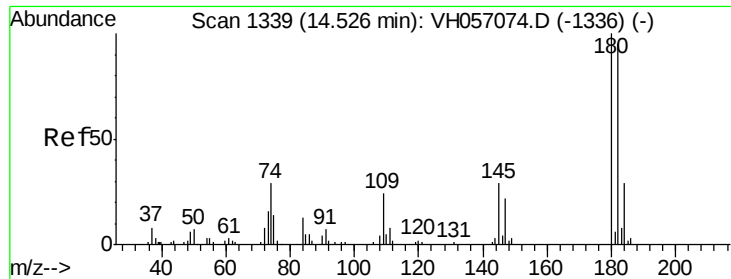


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

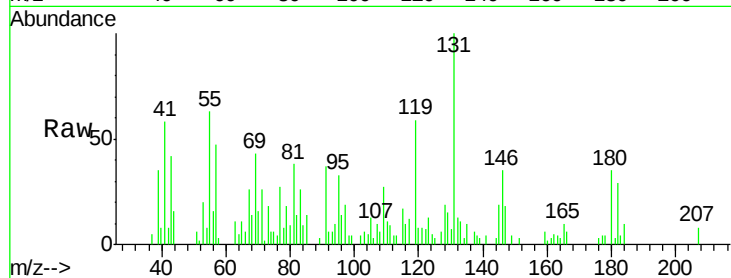




#96
 1,2,3-Trichlorobenzene
 Concen: 12.66 ug/l
 RT: 14.52 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VH057096.D
 Acq: 21 Sep 2015 17:36

Instrument :
 MSVOA_H
 ClientSampleId :
 TRENCH-1-2MEDL

Tgt Ion:180 Resp: 9670
 Ion Ratio Lower Upper
 180 100
 182 82.8 47.1 141.3
 145 54.5 12.5 37.5#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

