

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048319.D
 Acq On : 6 Jan 2016 14:01
 Operator : FY/SY
 Sample : VD0106SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:06 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.25	168	210164	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	372225	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	373402	50.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.88	152	167726	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	6.66	65	133645	51.89	ug/l	-0.04
Spiked Amount						
			Recovery	=	103.78%	
34) Dibromofluoromethane	6.15	113	120106	47.78	ug/l	-0.04
Spiked Amount						
			Recovery	=	95.56%	
49) Toluene-d8	9.56	98	414522	49.89	ug/l	-0.03
Spiked Amount						
			Recovery	=	99.78%	
61) 4-Bromofluorobenzene	12.81	95	181197	50.22	ug/l	-0.02
Spiked Amount						
			Recovery	=	100.44%	

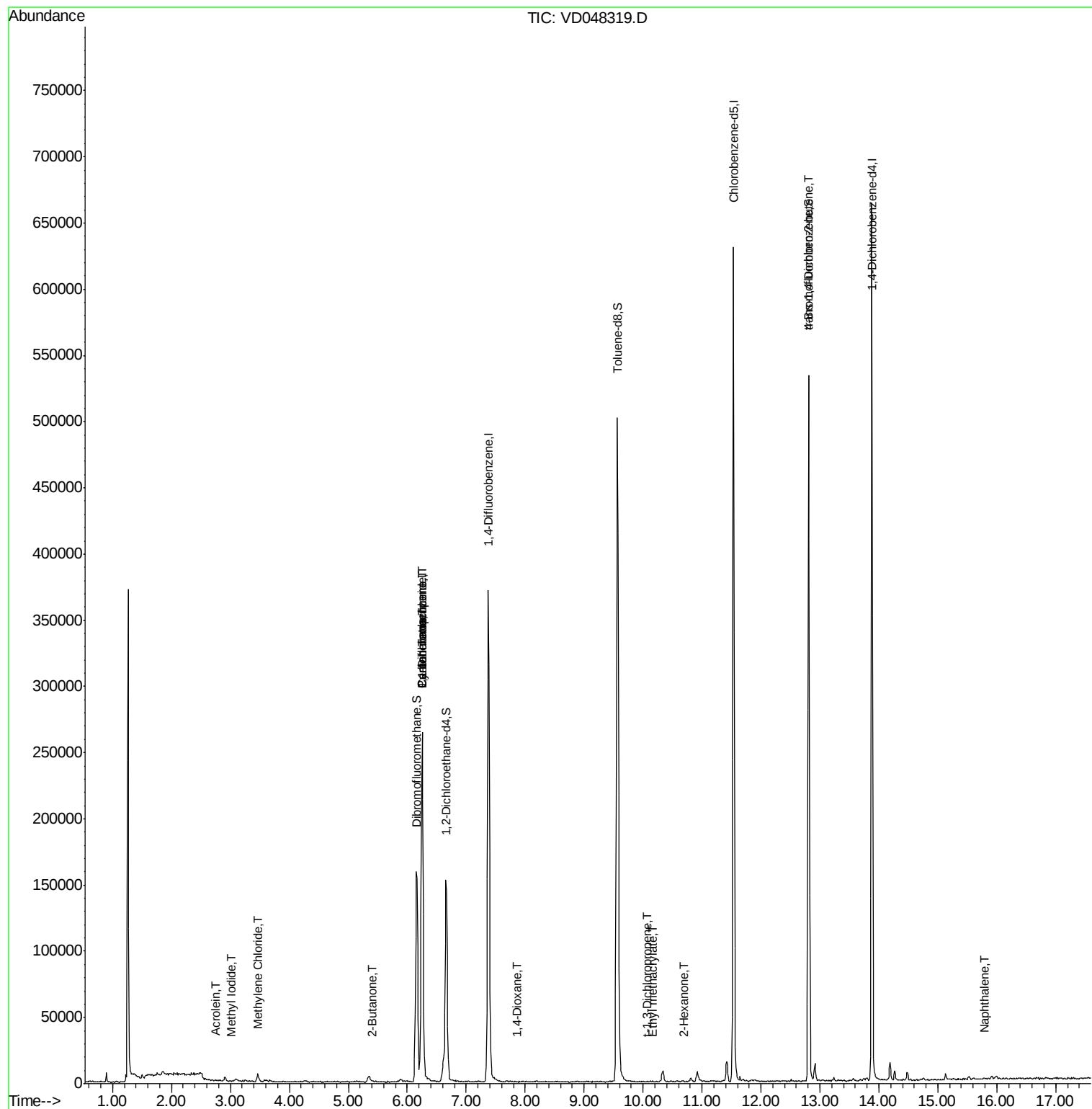
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.01	142	265	4.32	ug/l	# 51
11) Tert butyl alcohol	3.61	59	878	Below	Cal	# 73
13) Acrolein	2.74	56	205	1.02	ug/l	98
16) Acetone	2.90	43	3750	Below	Cal	# 80
18) Methyl Acetate	3.30	43	111	Below	Cal	# 58
20) Methylene Chloride	3.46	84	3184	1.23	ug/l	85
25) 2-Butanone	5.40	43	1052	1.76	ug/l	# 60
30) Cyclohexane	6.25	56	4898	1.34	ug/l	# 1
35) 1,1-Dichloropropene	6.25	75	19907	5.38	ug/l	# 50
37) Carbon Tetrachloride	6.25	117	22209	6.73	ug/l	# 15
48) 1,4-Dioxane	7.87	88	31	2.31	ug/l	# 16
52) t-1,3-Dichloropropene	10.08	75	59	2.03	ug/l	# 1
55) Ethyl methacrylate	10.17	69	82	2.96	ug/l	# 30
57) 2-Chloroethyl Vinyl ether	8.98	63	47	Below	Cal	# 52
58) 2-Hexanone	10.68	43	346	10.24	ug/l	# 28
80) trans-1,4-Dichloro-2-buten	12.81	75	90954	110.61	ug/l	# 11
94) Naphthalene	15.78	128	777	3.69	ug/l	# 81

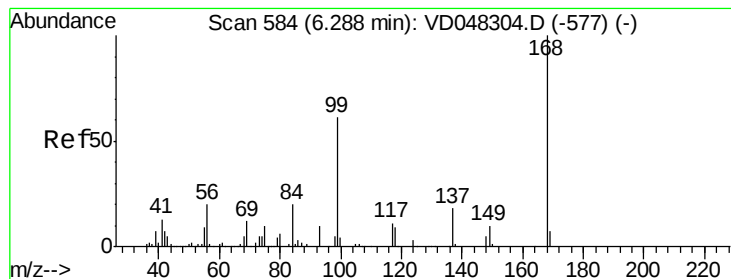
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
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Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 07 04:26:06 2016
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

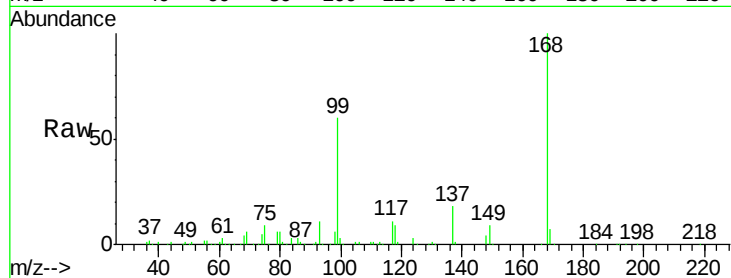
ClientSampleId :

Tot Ion:168 Resp: 210164

Ion Ratio Lower Upper

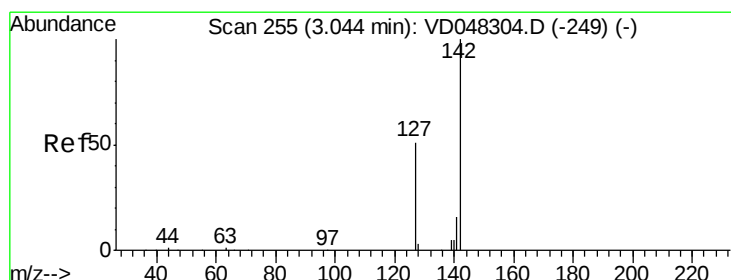
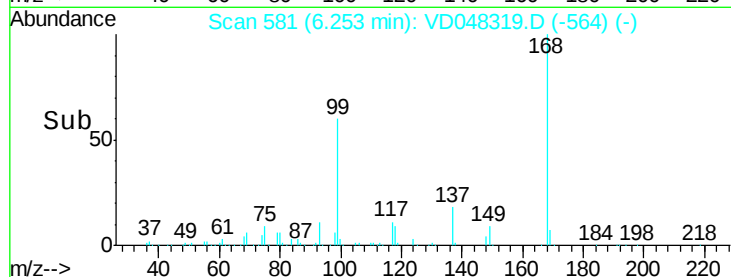
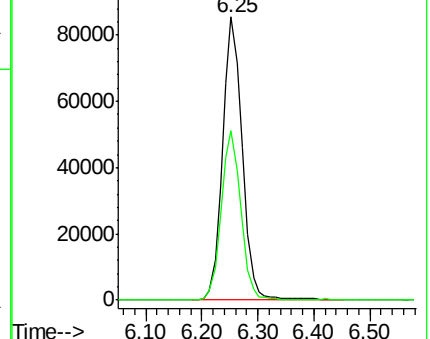
168 100

99 59.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 4.32 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

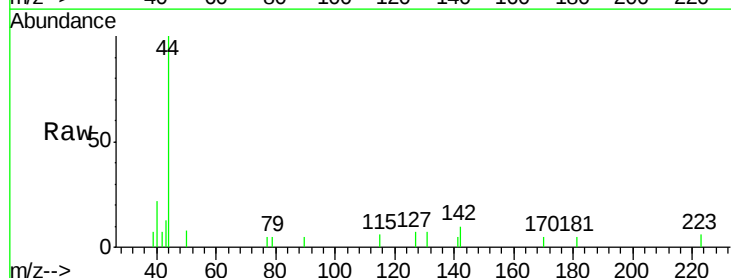
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 74.2 40.6 61.0#

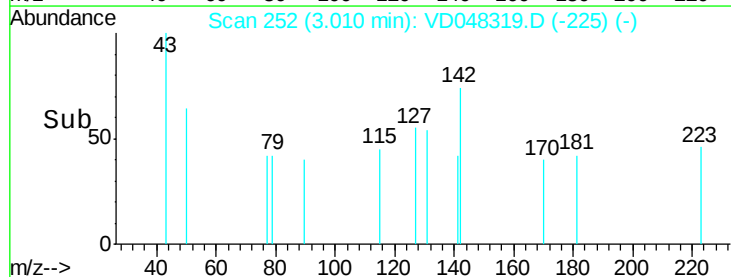
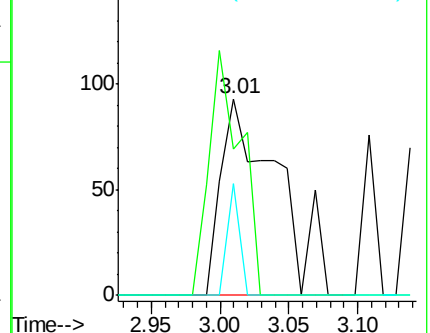
141 57.0 11.1 16.7#

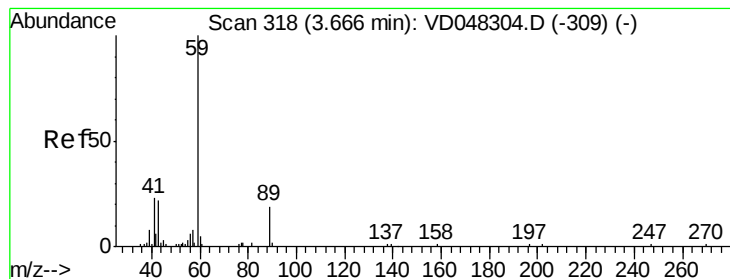


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



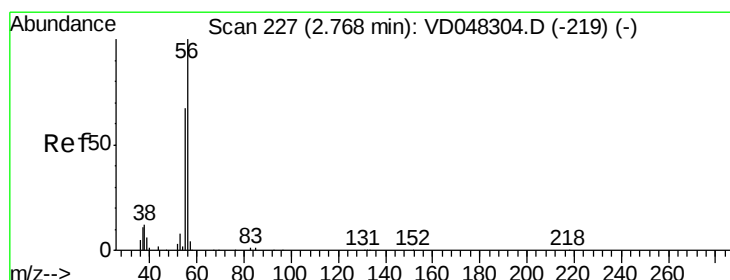
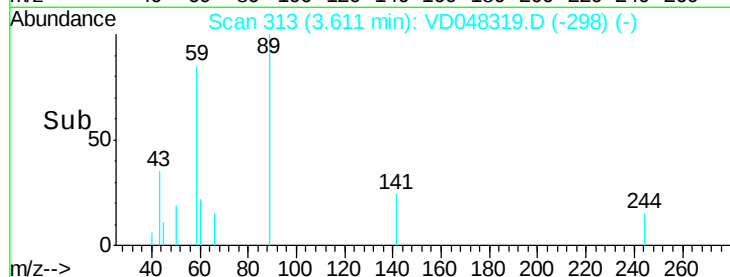
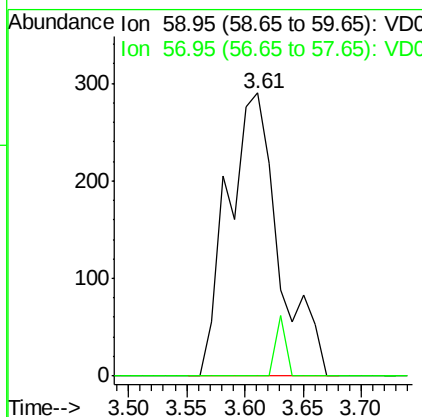
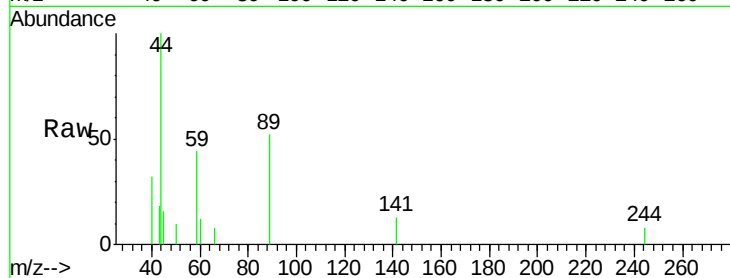


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.61 min Scan# 313
 Delta R.T. -0.05 min
 Lab File: VD048319.D
 Acq: 6 Jan 2016 14:01

Instrument :
 BNA_F
 ClientSampled :

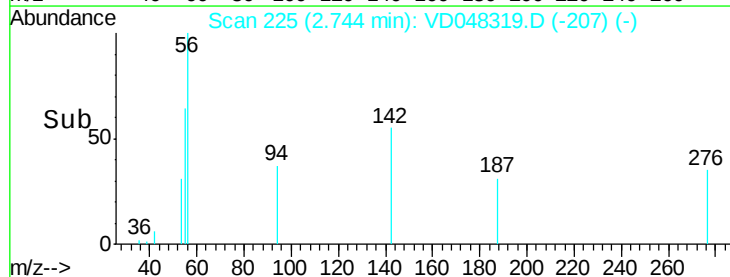
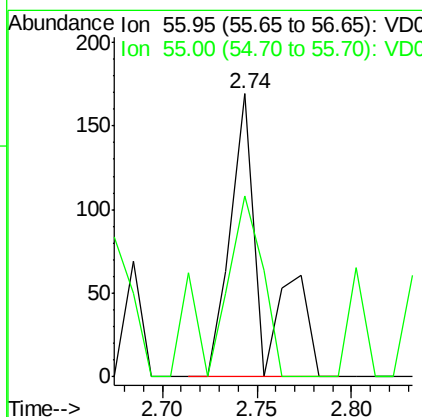
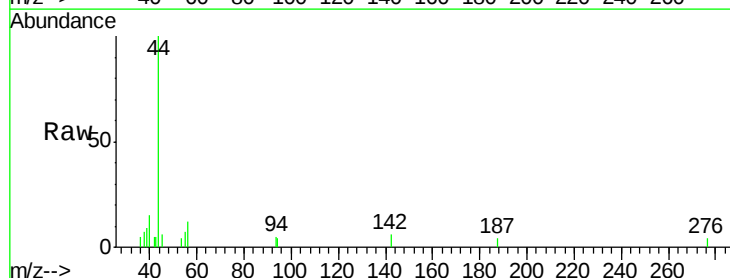
Tot Ion: 59 Resp: 878
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

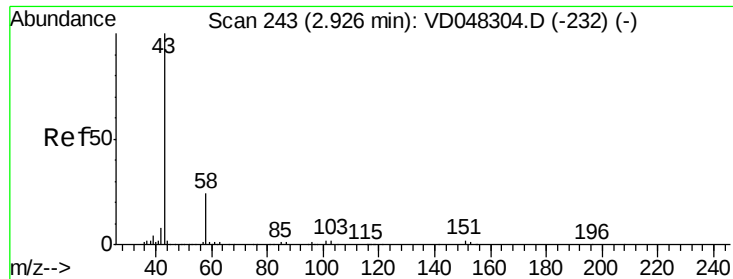


#13

Acrolein
 Concen: 1.02 ug/l
 RT: 2.74 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VD048319.D
 Acq: 6 Jan 2016 14:01

Tgt Ion: 56 Resp: 205
 Ion Ratio Lower Upper
 56 100
 55 63.9 52.2 78.4





#16

Acetone

Concen: Below Cal

RT: 2.90 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

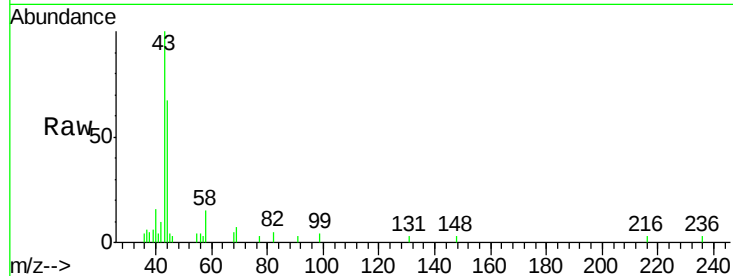
ClientSampleId :

Tot Ion: 43 Resp: 3750

Ion Ratio Lower Upper

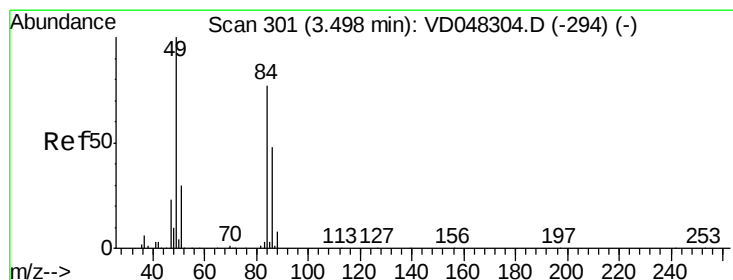
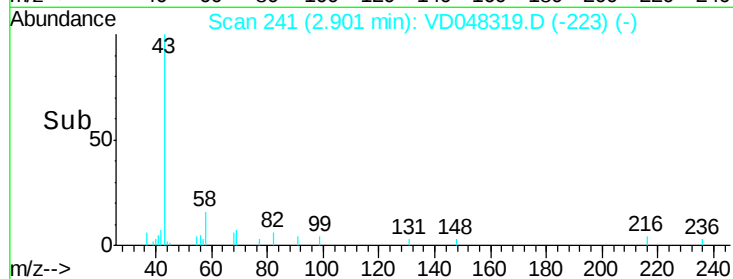
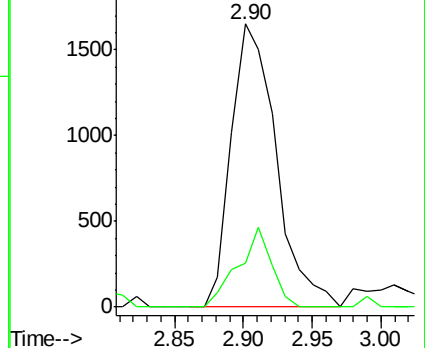
43 100

58 15.3 20.6 30.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.23 ug/l

RT: 3.46 min Scan# 298

Delta R.T. -0.03 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Tgt Ion: 84 Resp: 3184

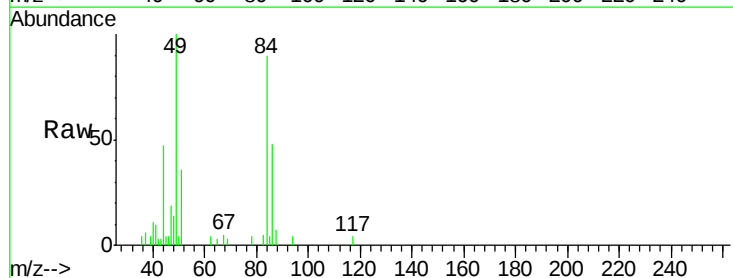
Ion Ratio Lower Upper

84 100

49 111.6 106.5 159.7

51 40.3 33.2 49.8

86 54.1 53.4 80.0

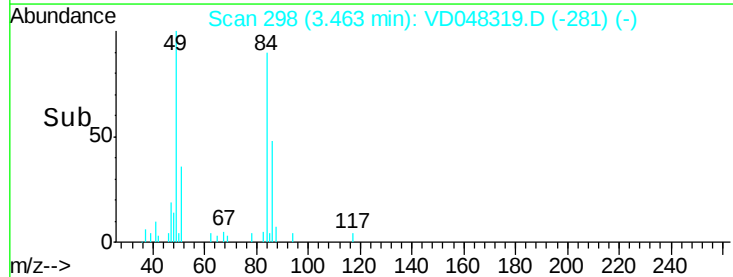
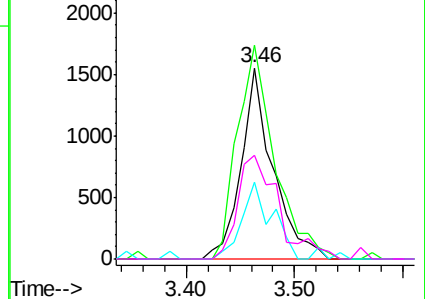


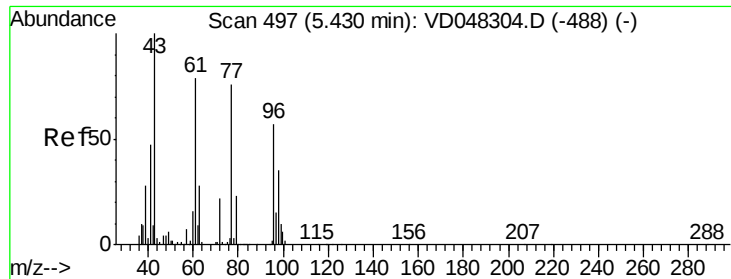
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1.76 ug/l

RT: 5.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

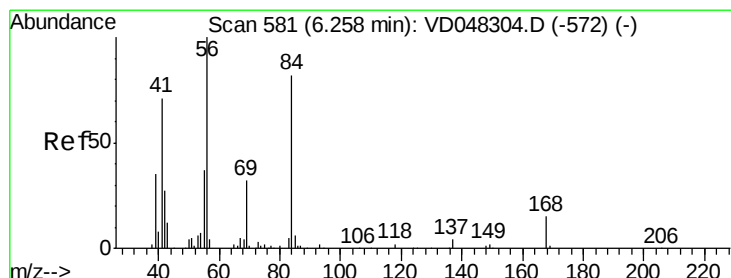
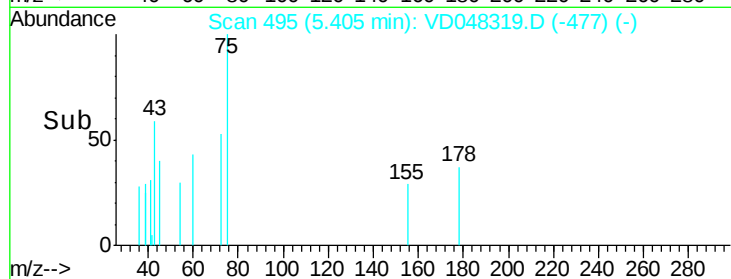
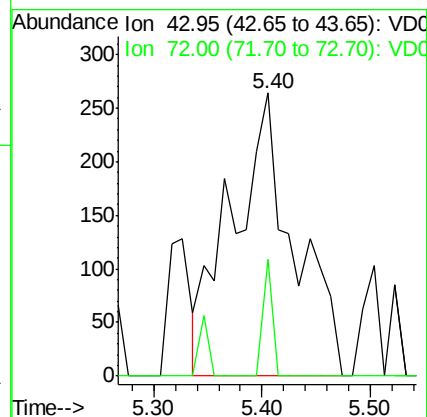
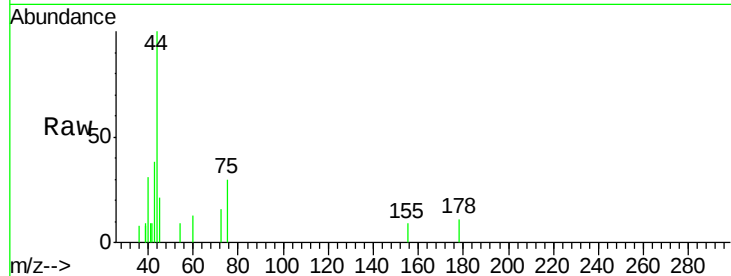
ClientSampled :

Tot Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

72 41.3 17.8 26.6#



#30

Cyclohexane

Concen: 1.34 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

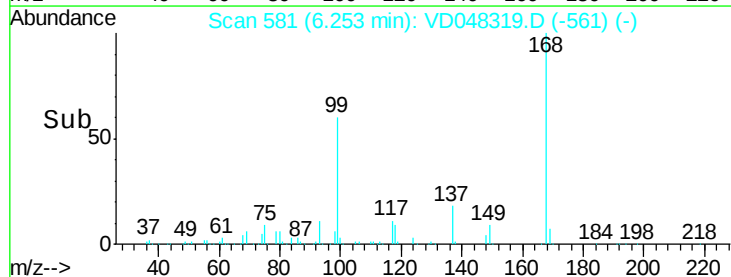
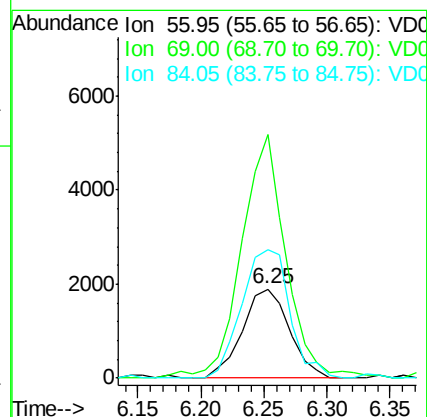
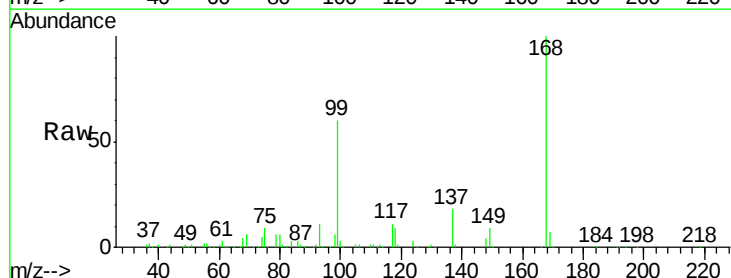
Tgt Ion: 56 Resp: 4898

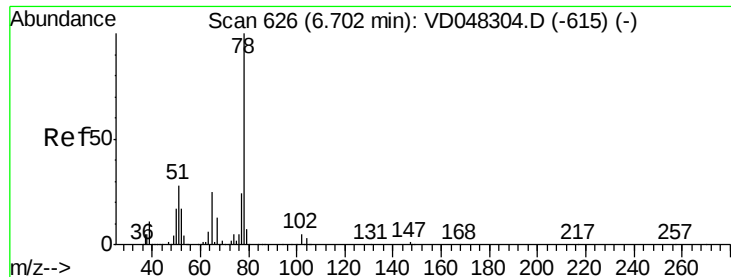
Ion Ratio Lower Upper

56 100

69 274.2 26.2 39.2#

84 144.6 68.5 102.7#





#32

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.66 min Scan# 622

Delta R.T. -0.04 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

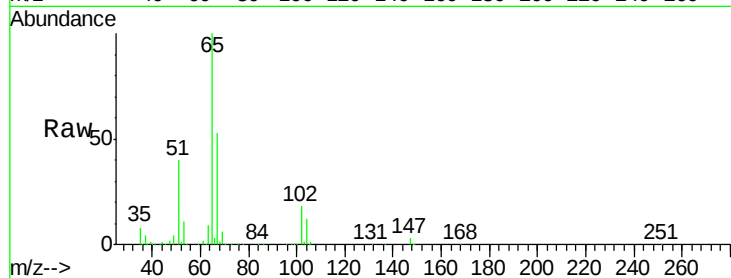
ClientSampleId :

Tot Ion: 65 Resp: 133645

Ion Ratio Lower Upper

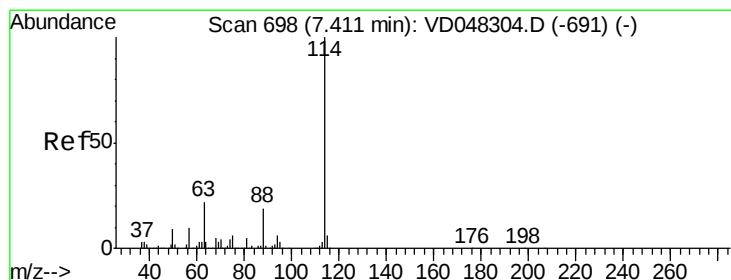
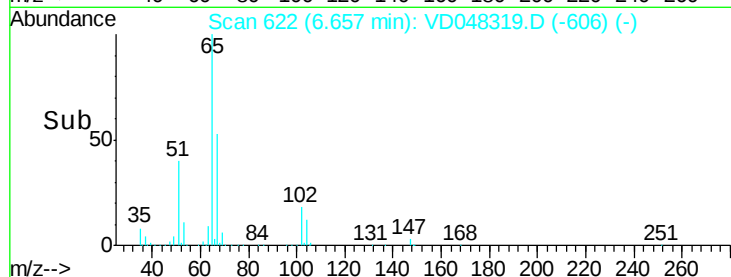
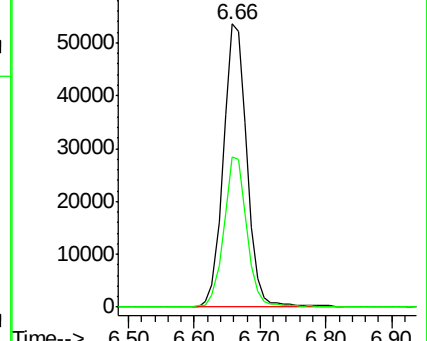
65 100

67 53.0 0.0 106.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.38 min Scan# 695

Delta R.T. -0.03 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

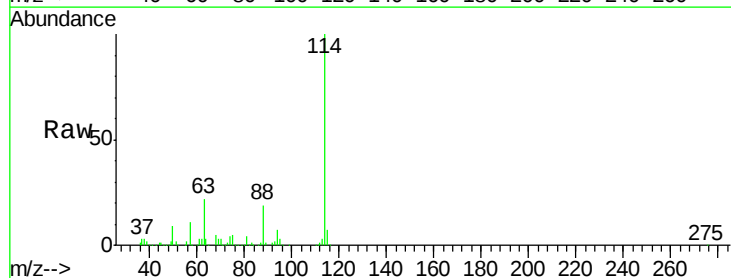
Tgt Ion: 114 Resp: 372225

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.4

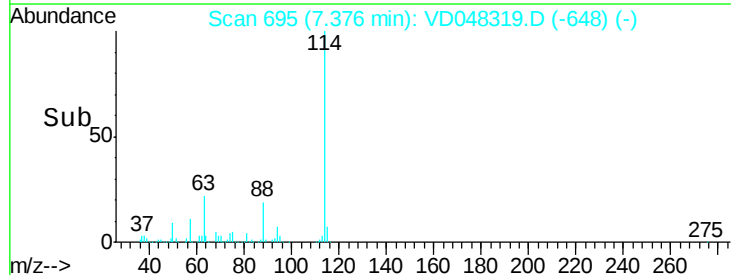
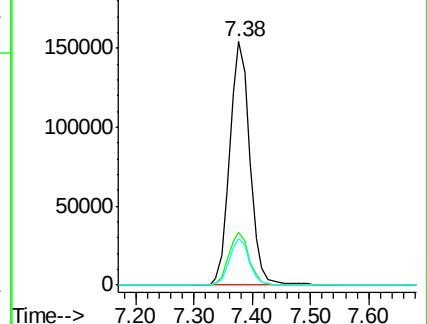
88 19.0 0.0 35.6

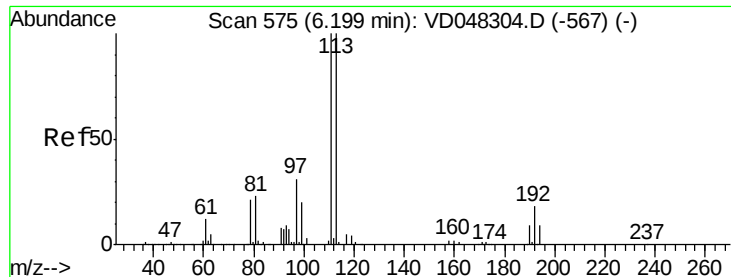


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

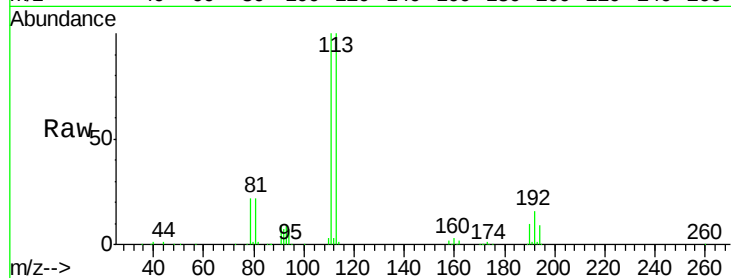




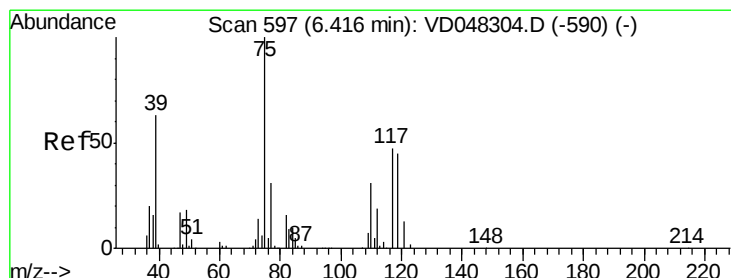
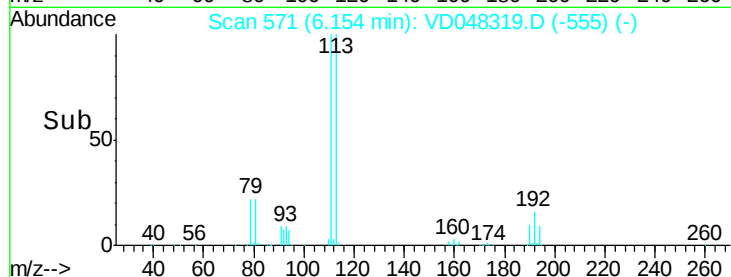
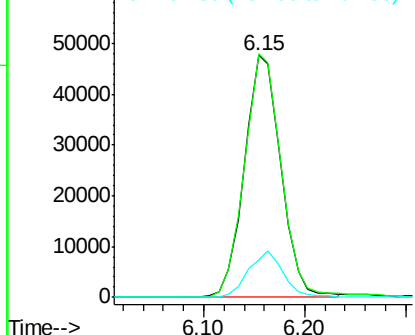
#34
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.15 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 120106
Ion Ratio Lower Upper
113 100
111 100.5 83.7 125.5
192 15.7 13.9 20.9

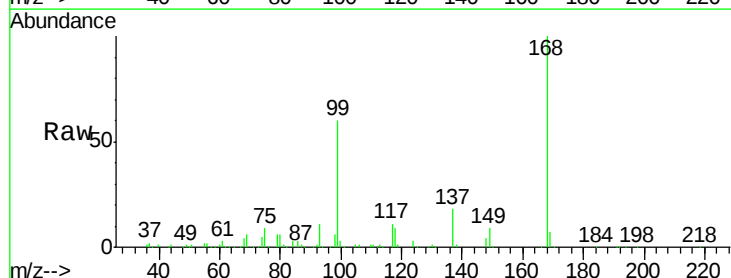


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

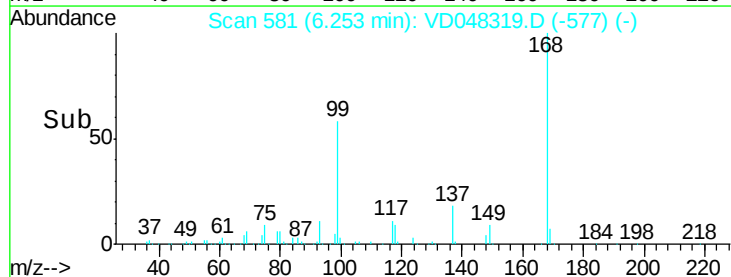
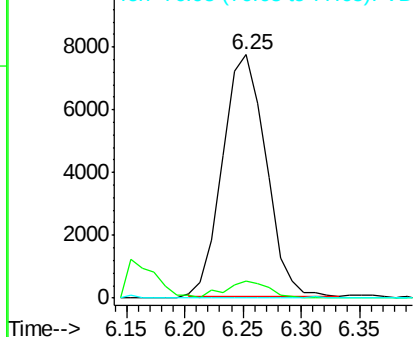


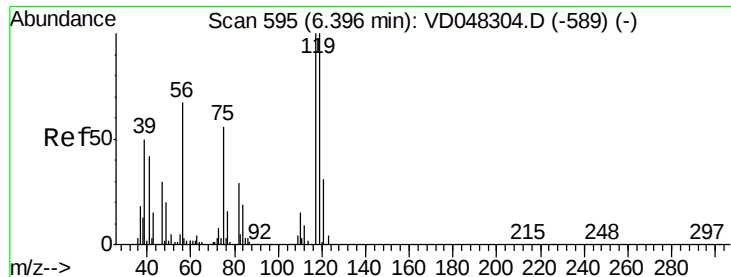
#35
1,1-Dichloropropene
Concen: 5.38 ug/l
RT: 6.25 min Scan# 581
Delta R.T. -0.16 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

Tgt Ion: 75 Resp: 19907
Ion Ratio Lower Upper
75 100
110 6.9 15.6 46.8#
77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Carbon Tetrachloride

Concen: 6.73 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.14 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

ClientSampled :

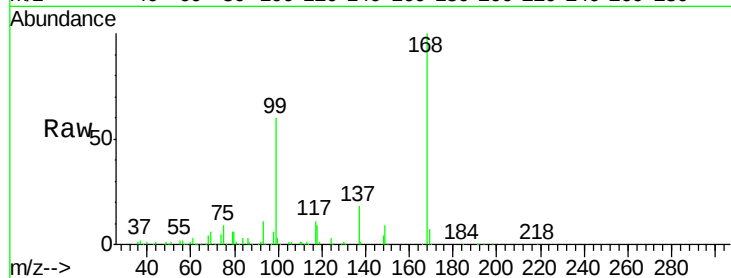
Tot Ion:117 Resp: 22209

Ion Ratio Lower Upper

117 100

119 5.7 79.8 119.8#

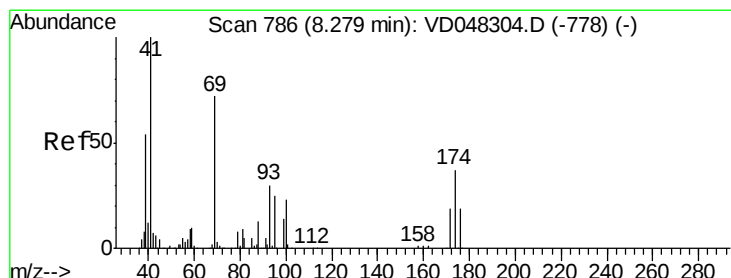
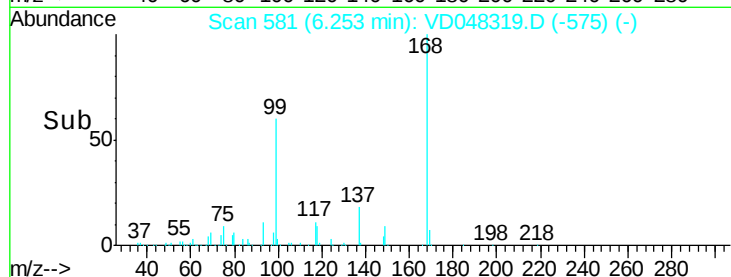
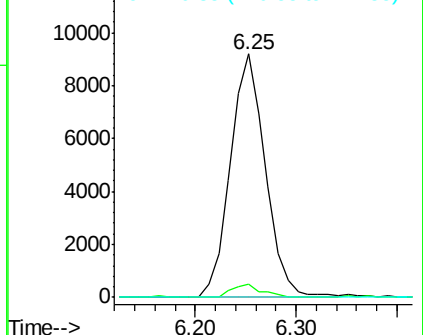
121 0.0 24.2 36.2#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#48

1,4-Dioxane

Concen: 2.31 ug/l

RT: 7.87 min Scan# 745

Delta R.T. -0.41 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

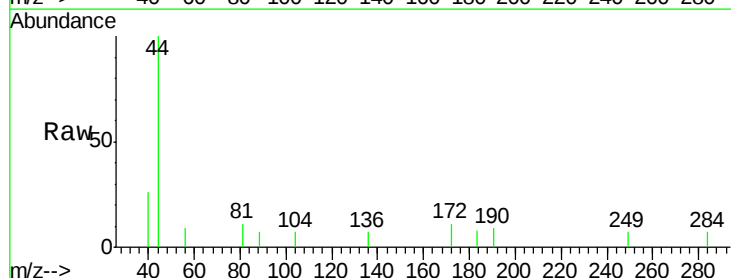
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 42.7 64.1#

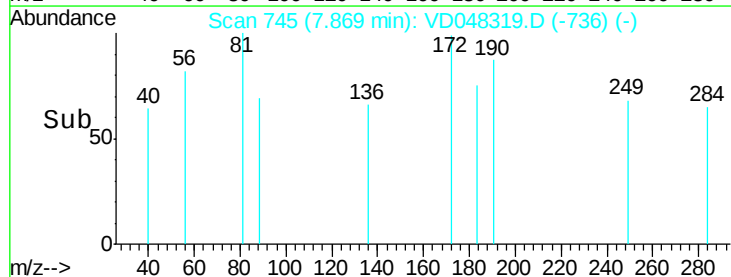
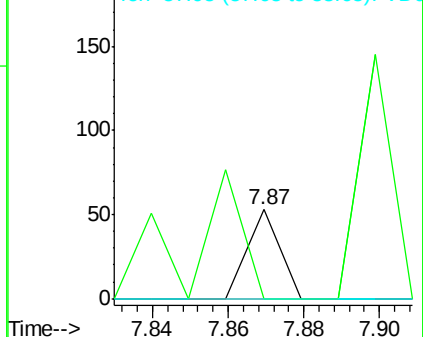
58 0.0 63.9 95.9#

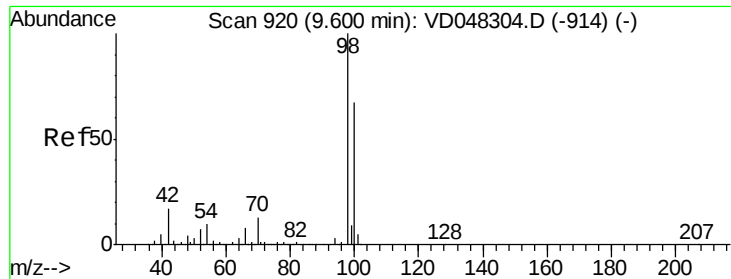


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 2.31 ug/l

RT: 9.56 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

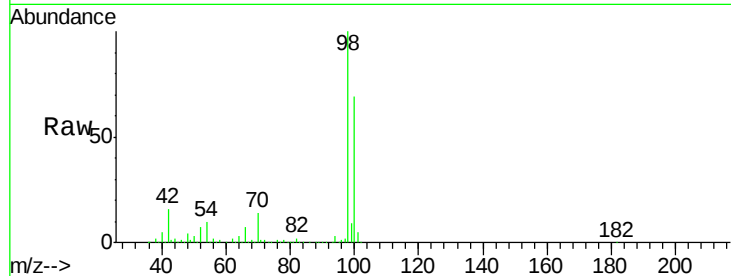
ClientSampleId :

Tot Ion: 98 Resp: 414522

Ion Ratio Lower Upper

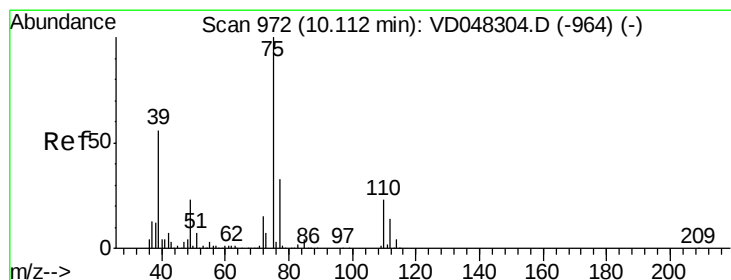
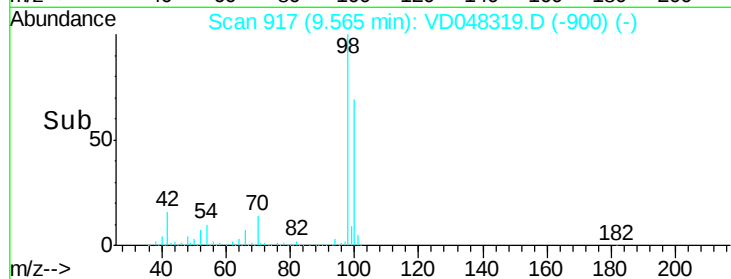
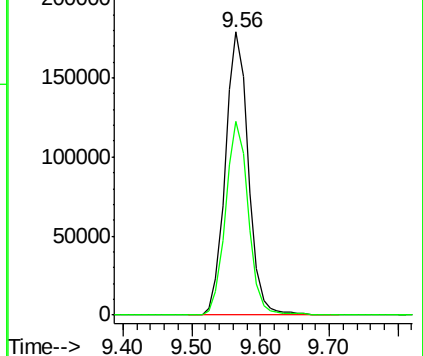
98 100

100 68.5 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

t-1,3-Dichloropropene

Concen: 2.03 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.03 min

Lab File: VD048319.D

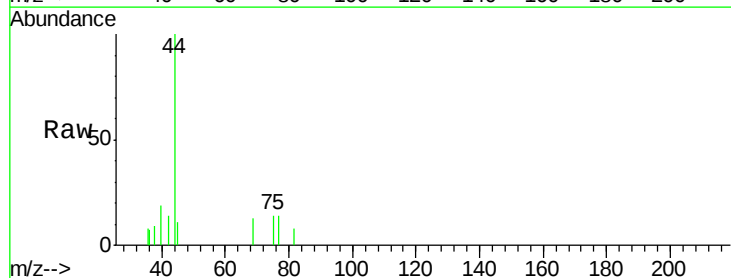
Acq: 6 Jan 2016 14:01

Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

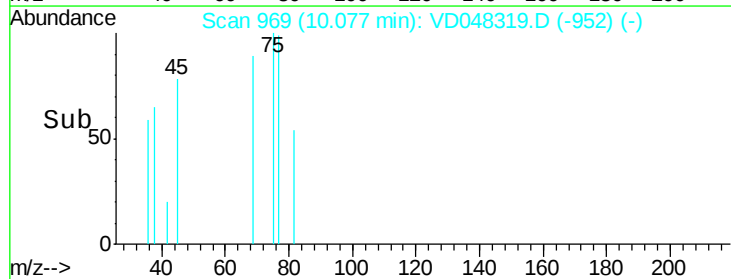
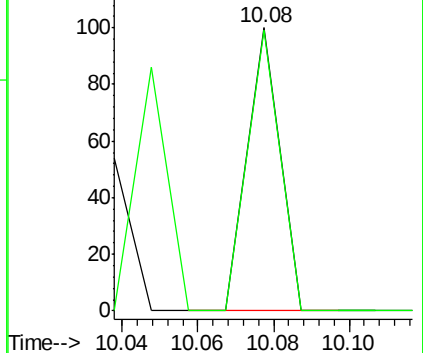
75 100

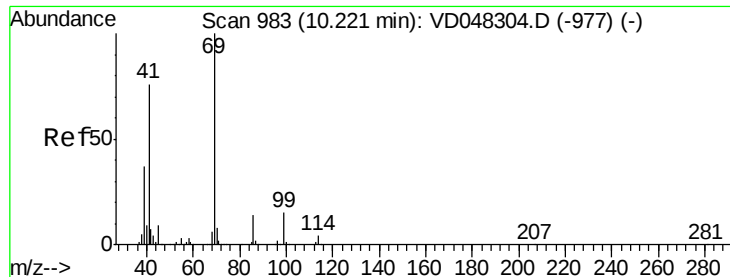
77 99.0 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#55

Ethyl methacrylate

Concen: 2.96 ug/l

RT: 10.17 min Scan# 978

Delta R.T. -0.05 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

ClientSampleId :

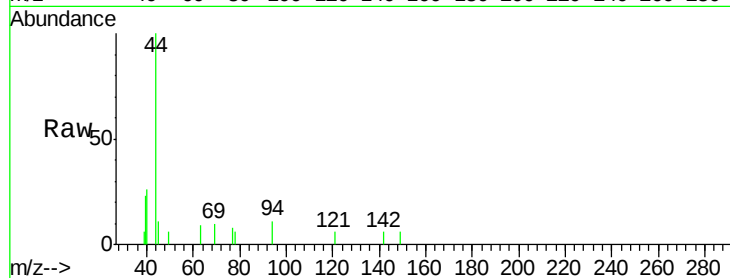
Tot Ion: 69 Resp: 82

Ion Ratio Lower Upper

69 100

41 0.0 55.3 82.9#

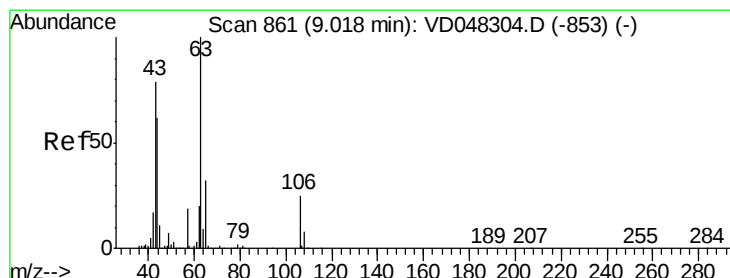
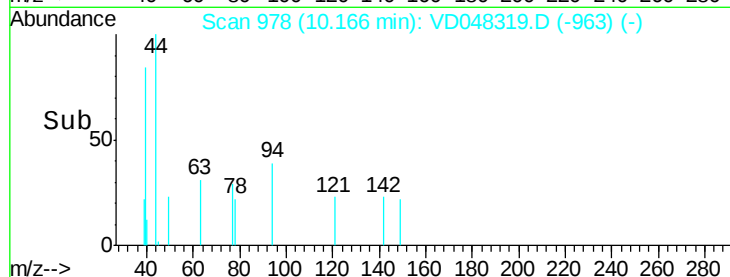
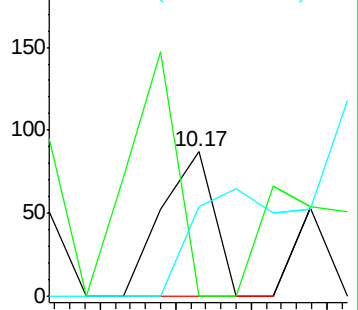
39 62.1 29.4 44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048319.D

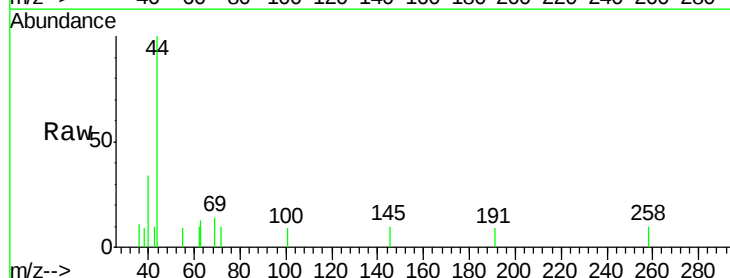
Acq: 6 Jan 2016 14:01

Tgt Ion: 63 Resp: 47

Ion Ratio Lower Upper

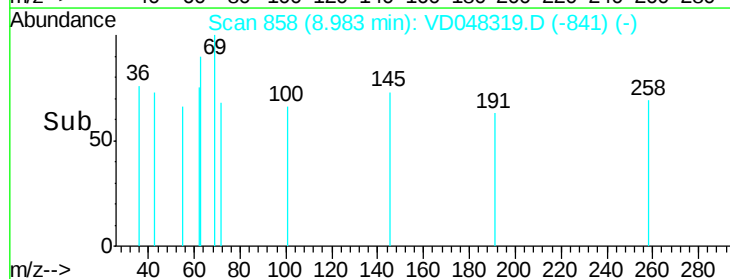
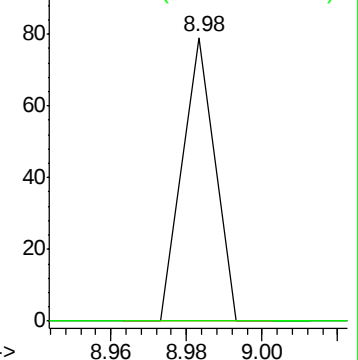
63 100

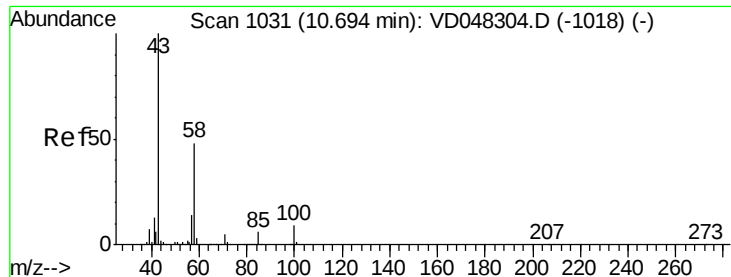
106 0.0 18.7 28.1#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

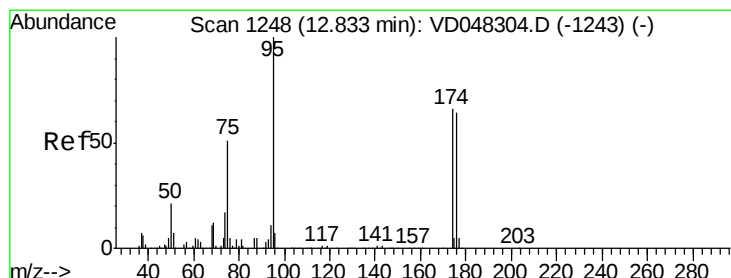
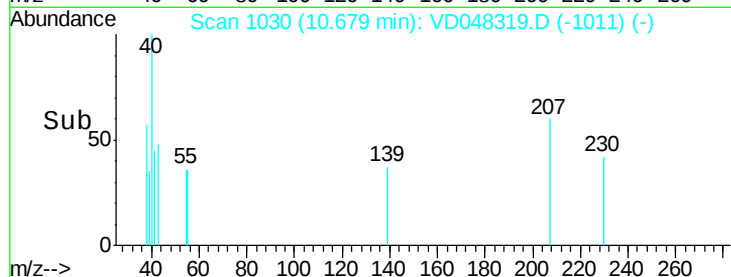
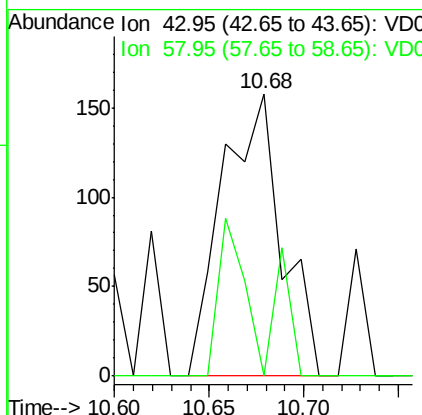
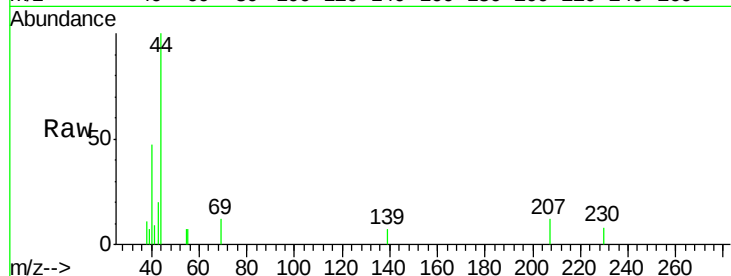




#58
2-Hexanone
Concen: 10.24 ug/l
RT: 10.68 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

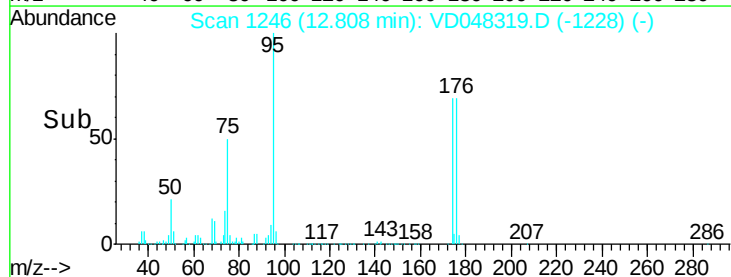
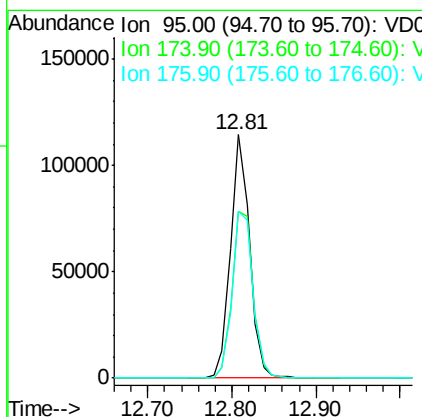
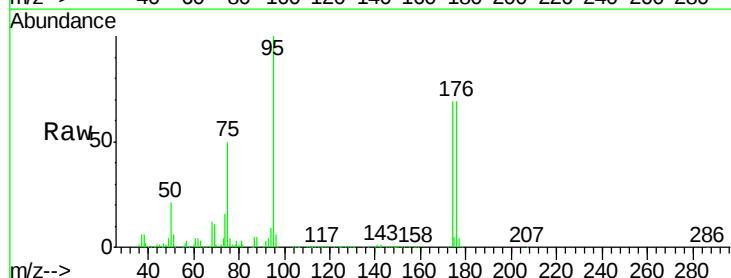
Instrument :
BNA_F
ClientSampleId :

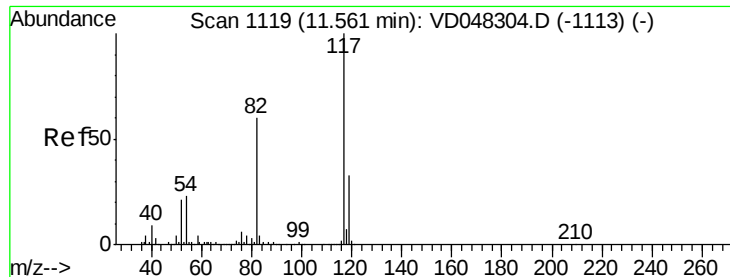
Tot Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.2#



#61
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.81 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

Tgt Ion: 95 Resp: 181197
Ion Ratio Lower Upper
95 100
174 68.8 0.0 156.2
176 68.6 0.0 147.4

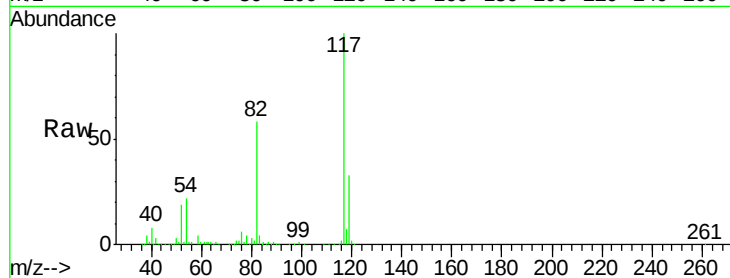




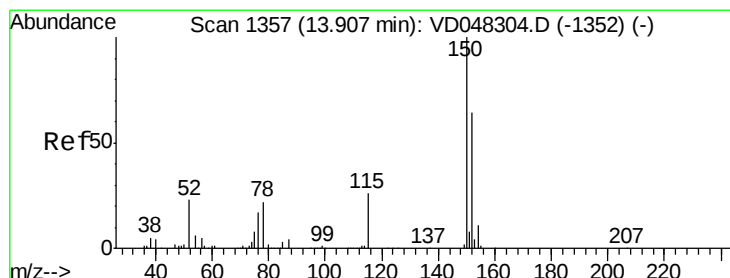
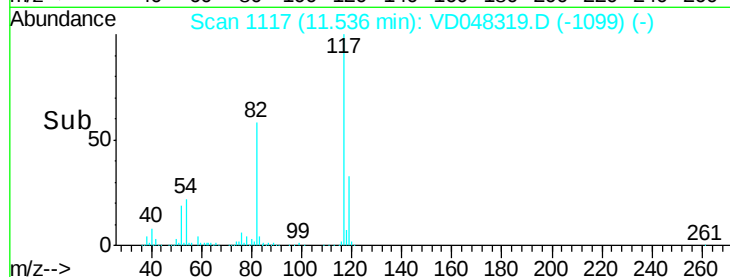
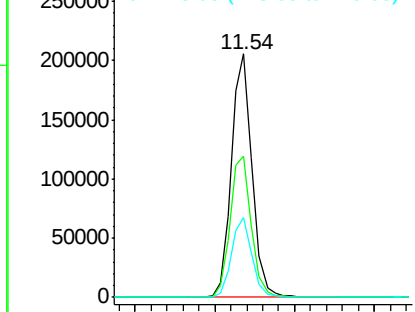
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.02 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 373402
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 32.8 26.1 39.1

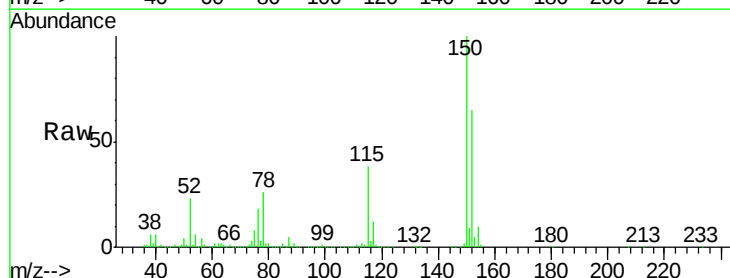


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

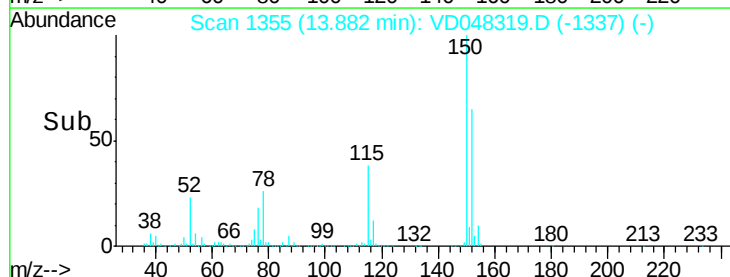
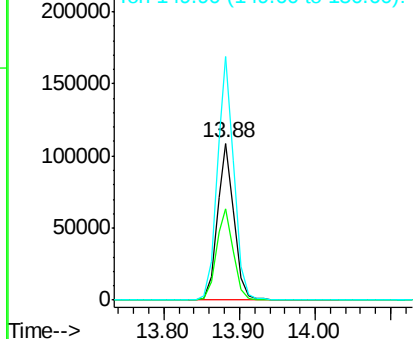


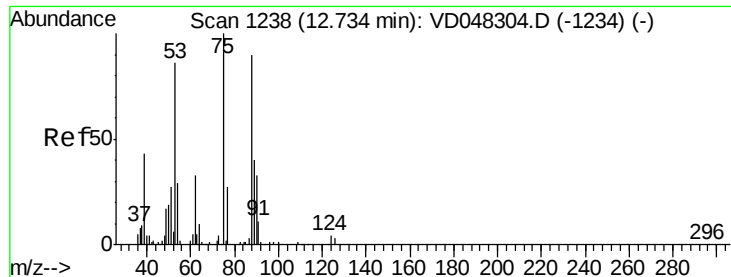
#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.88 min Scan# 1355
Delta R.T. -0.02 min
Lab File: VD048319.D
Acq: 6 Jan 2016 14:01

Tgt Ion:152 Resp: 167726
Ion Ratio Lower Upper
152 100
115 58.4 32.4 97.2
150 155.0 0.0 314.6



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





#80

trans-1,4-Dichloro-2-butene

Concen: 110.61 ug/l

RT: 12.81 min Scan# 1246

Delta R.T. 0.07 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

Instrument :

BNA_F

ClientSampleId :

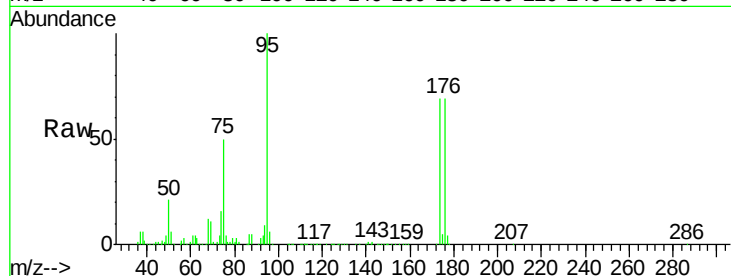
Tot Ion: 75 Resp: 90954

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

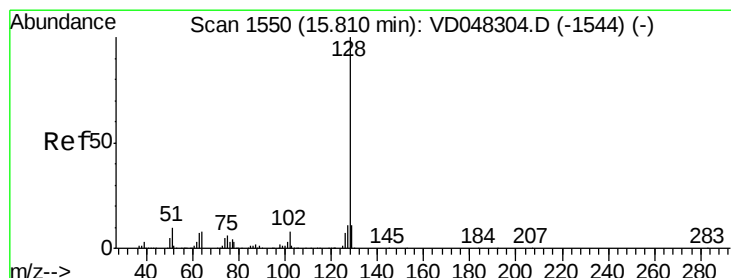
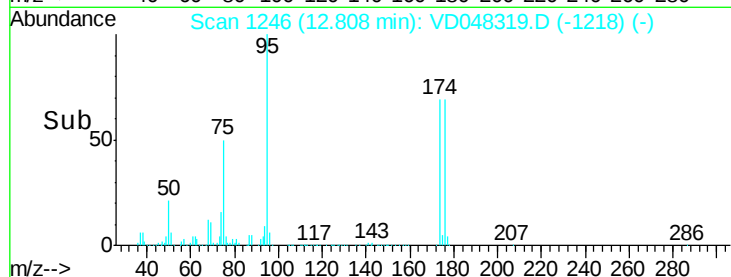
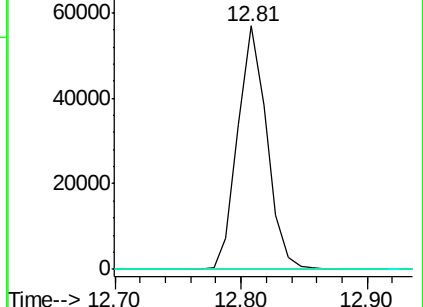
89 0.0 32.6 49.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V



#94

Naphthalene

Concen: 3.69 ug/l

RT: 15.78 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048319.D

Acq: 6 Jan 2016 14:01

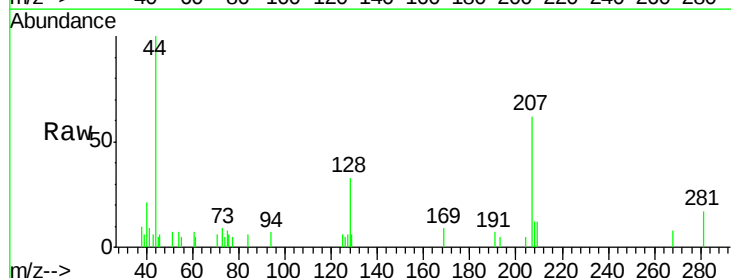
Tgt Ion: 128 Resp: 777

Ion Ratio Lower Upper

128 100

127 19.4 9.7 14.5#

129 17.4 8.2 12.2#



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

